BUNZL

safety & lifting

FOR SAFE
WORKING LIVES

SAFETY PRODUCTS

SERVICING THE INDUSTRY FOR OVER 50 YEARS

VOL 2



PPE | WORKWEAR | SAFETY FOOTWEAR | LIFTING & MATERIALS HANDLING | LOAD RESTRAINT/ VEHICLE RECOVERY | HEIGHT SAFETY | SITE SAFETY | TESTING & TECHNICAL SERVICES









We believe in better



Bunzl Safety & Lifting is proud to be using 100% recycled paper stock in our 2nd edition of our Product Catalogue. Careful consideration has gone into all elements of this catalogue, with the use of vegetable inks and non-coated paper, ensuring it is 100% recyclable.

SUSTAINABILITY

RECYCLED 100% CONTENT

SERVICING THE INDUSTRY FOR OVER 50 YEARS

When you think safety from head to toe, or when lifting, hoisting or working from heights, think… Bunzl Safety & Lifting.

Bunzl Safety & Lifting was formed with the merging of two strong Australian safety businesses, Robertsons Lifting & Rigging and Worksense Workwear & Safety – with over 50 years combined experience in servicing organisations within most sectors across Australia.

The business has grown to become one of the largest suppliers of workplace safety equipment in Australia and is part of the world leading Bunzl Group, established in 1854, and now a FTSE 100 listed company operating in 34 countries globally.

Bunzl Safety & Lifting offer an integrated approach to the selection, supply, service, and replacement of safety products, resulting in our ability to manage the complete life cycle of your personal and workplace safety requirements.

The business encompasses the very best offering of: workwear, footwear, PPE, lifting, rigging, materials handling, and height safety equipment to ensure your workplace and the people within it, have access to the latest and most suitable safety products available – for safe working lives.

Our focus on developing and accessing leading brands of product is also complemented by the many related technical and business support services we offer our customers in order to provide a tailored 'fit for purpose' safety solution.

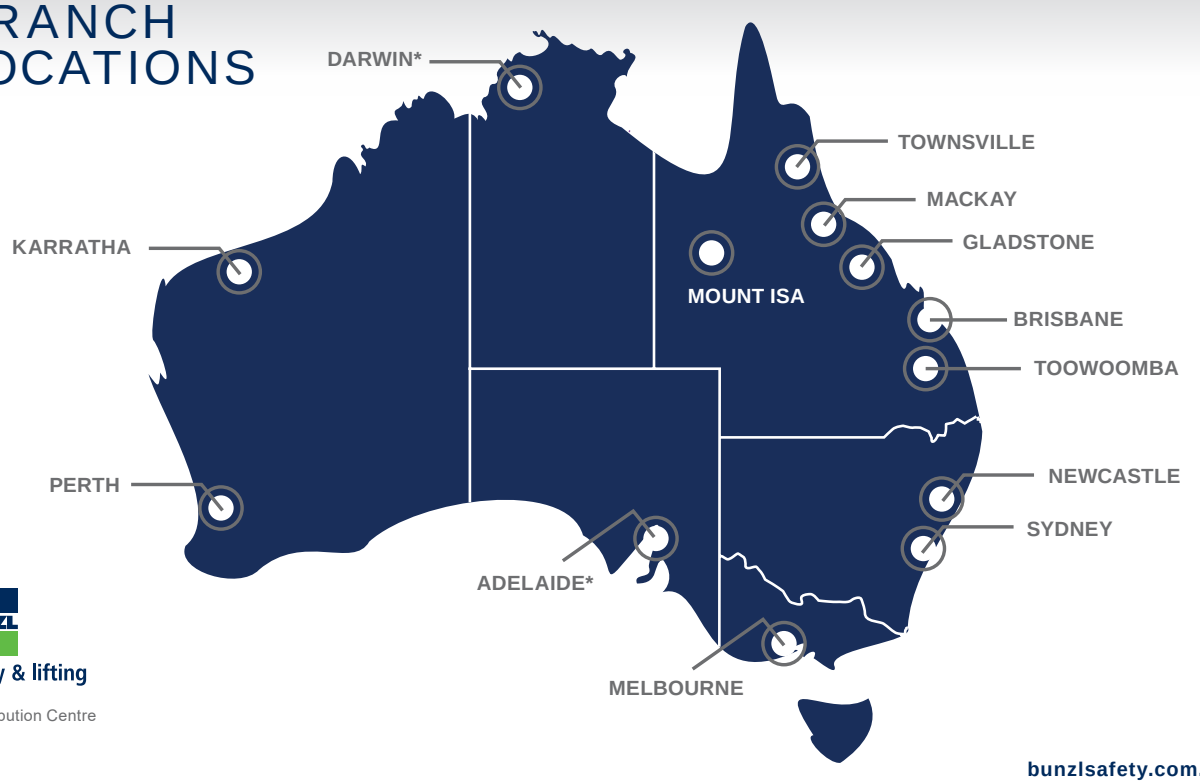
Our team of expert staff can help with selecting, sourcing and consolidating your site safety needs to not only achieve cost savings and efficiencies, but ensure you exceed duty of care and safe work guidelines – resulting in safer workplaces.

With a national network of branches and distribution centres and the latest e-commerce solutions to order off the shelf and customised products online, we're confident we can supply all your workplace safety needs.

As part of the worldwide Bunzl Group of companies we leverage global ethical sourcing capabilities and strategic partnerships with leading brands and suppliers to source the best products at competitive prices.

We are proud to present our general catalogue of products manufactured by us and our many valued suppliers. Please note that it does not represent all the products we can supply, or have in stock, within each of our branches, so if you are after a specific product within one of our categories, please contact us on **1800 967 573** and we will do our best to assist.

BRANCH LOCATIONS



BUNZL safety & lifting

* Distribution Centre

OUR BUSINESS SUPPORT SERVICES



While Bunzl Safety & Lifting can provide a significant product range in each of our core product categories, we also provide effective business solutions for selecting, sourcing and consolidating your site safety needs to not only achieve cost savings and efficiencies, but ensure you exceed duty of care and Safe Work guidelines resulting in safer workplaces.

SITE & PERSONAL SAFETY ASSESSMENTS

Because we understand the need for workplaces to have 'fit for purpose' safety gear, and consistency amongst different sites, our team can assist with the following assessments:

- **Hearing and Noise Level Testing**
- **Respiratory Fit Testing**
- **Hand Protection Audits**
- **Safety Footwear Audits**





VENDOR MANAGED INVENTORY SOLUTIONS

Bunzl Safety and Lifting offers many ways to manage your safety equipment securely on-site.

Providing supplies and safety equipment at the point of use provides several benefits:

- Productivity increases due to less walking time to central stores and warehouses
- Software captures all transactions, providing business intelligence and reducing manual paperwork
- Machines offer configurable, accessible storage easily
- Auto-replenishment saves order processing expense and keeps items in stock

Just some of the solutions we have offered to customers, to ensure convenient and immediate access to workwear and safety equipment includes the following:

- **On-site Container Shops**
- **On-site Vending Machines**
- **Equipment Storage Cages**



CUSTOM EMBROIDERY & BRANDING

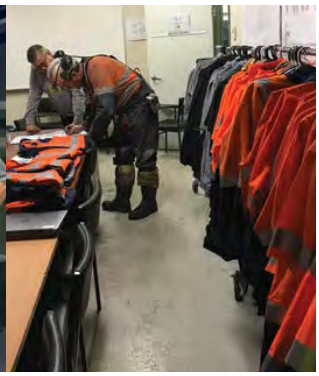
Our experienced customer service and embroidery staff provide embroidery, screen printing, additional taping and alterations to your uniform orders according to your individual company needs. We will co-ordinate all aspects of this service, from logo and employee name set up, through to artwork approvals, required customisations and order delivery. We can also provide custom branded* PPE items such as hard hats, safety eyewear and gloves. Our fast turnaround times and quality embroidery / screen printing services ensure you and your staff are safe and looking professional in no time!



UNIFORM MANAGEMENT AND ON-SITE FITOUTS

Your staff presentation says a lot about your company and a large part of this is ensuring their uniforms fit correctly. With our free onsite fitting service for larger customers, we will go to site and co-ordinate individual clothing fit-outs with staff to ensure correct fit and selection relevant to the job task and environment. Our expert staff can also advise on necessary safety workwear guidelines and standards, as well as garment maintenance.





E-COMMERCE SOLUTIONS

Bunzl Safety & Lifting is the market leader in custom online ordering of PPE, workwear and safety equipment, and have invested in the latest technologies to ensure our customers have control over uniform and site safety expenditure. We also have the capability to offer full 'punchout' integration to our customer's computer system if desired.

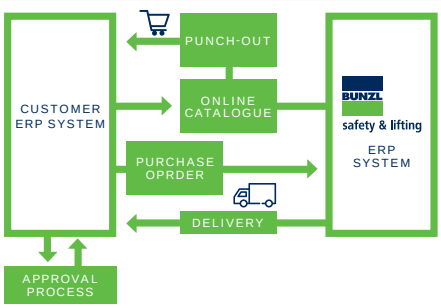
Our cutting edge e-commerce technology allows you to seamlessly add online ordering to your business, so that employees can order online from a mobile, tablet or PC. Our fully integrated custom online catalogues/portals can display required products with a tailored user interface including custom embroidery and approval processes. We also streamline the order and dispatch process to ensure your staff are not wasting valuable time with uniform and size selections, order recording, submitting requisitions and so on.

WE OFFER:

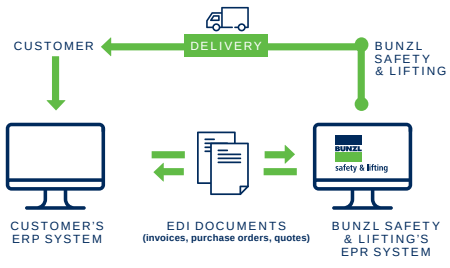
- Custom Online Catalogues/Portals
- EDI (Electronic Data Interchange) Integration
- Full Punchout Capabilities - many large organisations with multiple staff and locations utilise our e-commerce capabilities to ensure faster, more efficient and cost effective ordering capability, particularly for their PPE and uniform requirements.



PUNCHOUT PROCESS



EDI PROCESS



LIFTING EQUIPMENT TESTING & TECHNICAL SERVICING



While Bunzl Safety & Lifting offers an integrated approach to the selection, supply, service, and replacement of Lifting, rigging and height safety equipment.

NATA ACCREDITED FOR COMPLIANCE WITH ISO/IEC 17025 TESTING

LEEA

ON-SITE LIFTING EQUIPMENT INSPECTION SERVICES

Using the latest electronic inspection and asset management technology, our inspectors can come to your site to perform the necessary monthly, quarterly or yearly inspections. Alternatively, lifting equipment can be dropped in to select Bunzl Safety & Lifting branches for the required inspection.

Just some of the equipment our inspectors can inspect and test include:

- **Hoists & wire rope**
- **Chain & synthetic slings**
- **Rigging hardware & lifting beams**
- **Work boxes and goods cages**
- **Harnesses, lanyards & confined space equipment**

Accreditations

WE CURRENTLY HOLD THE FOLLOWING ACCREDITATIONS

- NATA ISO17025 for Mechanical Testing
- full LEEA (Lifting Equipment Engineers Association) Membership and Accreditation.

NATA ACCREDITED TESTING, REPAIR & ENGINEERING SERVICES

With NATA accredited testing capacity to 1,000 tonnes in-house and 35 tonne capacity mobile test machines, our experienced technical team have the knowledge and capacity to offer the following, to Australia Standards:

- In-House or Mobile Testing & Repairs of Lifting Equipment
- Engineered & Manufactured Lifting Solutions - including spreader bars, specialised lifting slings and customised lifting devices.

ADDITIONAL TECHNICAL SERVICES

For added support, our technical team can also undertake other services to ensure all on-site safety compliances and maintenance needs are met:

- **Height Safety Systems - Installation & Re-certification**
- **Pallet Racking Inspections**
- **BA & Gas Detection Servicing**
- **Fire Extinguisher Testing**
- **Solar Panel Cleaning**









LIFTING EQUIPMENT ASSET MANAGEMENT CYCLE



For over 50 years, our Technical Division, has provided expert lifting equipment services to industries throughout Australia.

All technical services comply with current Australian Standards and we employ fully trained and certified inspectors, technicians, and installers to ensure safety compliance and fast turnaround times.

THE ASSET MANAGEMENT CYCLE
TOTAL ASSET MANAGEMENT OF YOUR LIFTING AND RIGGING NEEDS

IN OUR NATA CERTIFIED LABS ITEMS ARE:

- ✔ TESTED
- ✔ CERTIFIED
- ✔ ENGINEERED
- ✔ REPAIRED

LIFTING EQUIPMENT IN SERVICE

WE CONTACT YOU WHEN INSPECTIONS ARE DUE

- 1, 3 or 6 monthly inspections are scheduled

SCHEDULE BOOKING

- Our LEEA qualified inspectors perform the inspection using tablet or smart device
- Items are passed, failed or recorded when missing
- The results are synced in real time!

INSPECTION & CERTIFICATION OF ASSETS

CUSTOMERS CAN ACCESS THEIR REPORTS ONLINE:

- ✔ Summary Report
- ✔ Detailed Asset Report
- ✔ Certificates
- Customers can also access the database via smart devices such as iPads or iPhones

ASSET REPORTING

REPAIR, TEST, ENGINEER OR REPLACE EQUIPMENT

OUR SUSTAINABILITY STRATEGY



Our position at the centre of the value chain means we are ideally placed to deliver meaningful, sustainable outcomes where it matters most – on the ground. By working with customers, suppliers, and beyond, we believe we can help overcome the challenges in pursuit of a better world.

'We believe in better', brings together our initiatives into an overarching sustainability strategy that demonstrates our commitment to finding better ways of doing things.







Our Goals

Embedding ethical supply chains

- **90% of our spend on products from high-risk regions will be sourced from assessed and compliant suppliers by 2025.**

Ensuring everyone counts

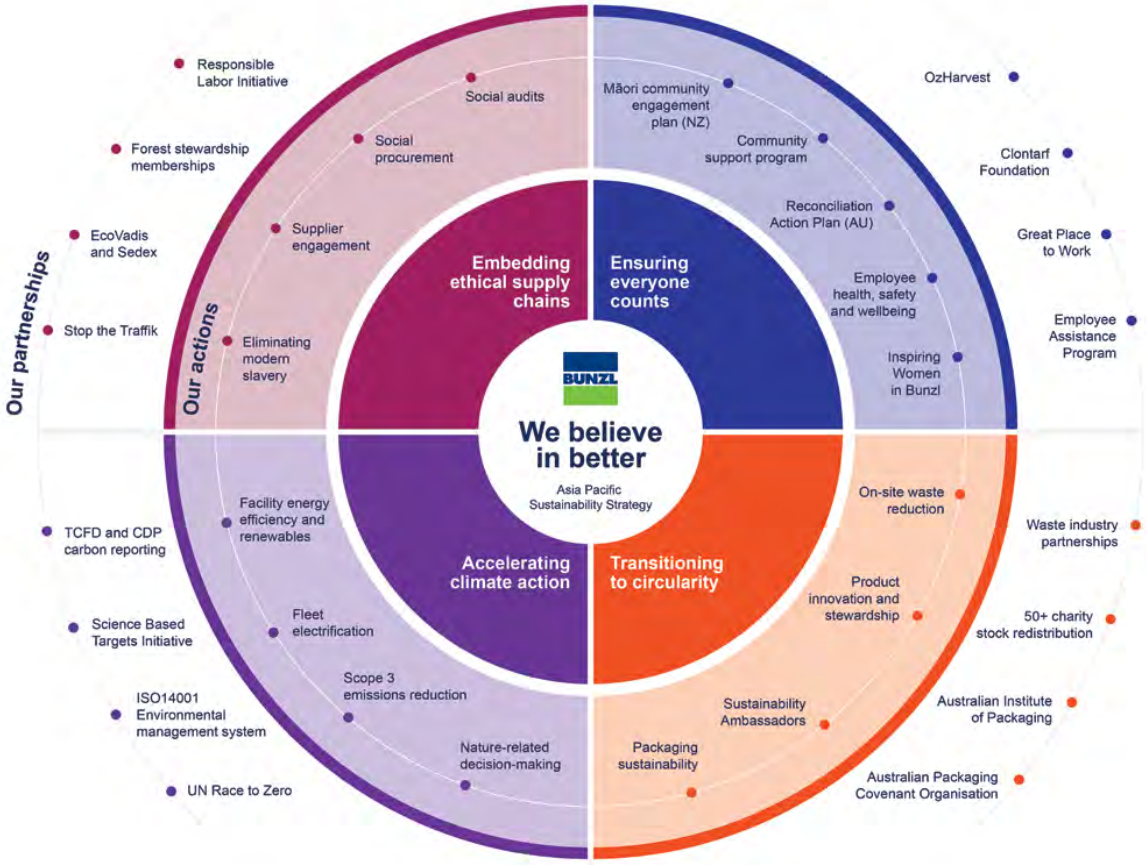
- **Champion initiatives that promote reconciliation, gender equity, and cultural inclusion across our workforce and communities for growth.**

Transitioning to circularity

- **More than 50% of operational waste is recycled.**
- **Committed to the phase out of problematic and unnecessary single-use plastics packaging.**
- **Continuing to source reusable, recyclable or compostable packaging where possible.**

Accelerating climate action

- **Net Zero 2030 for scope 1 & 2 Asia-Pacific emissions.**
- **80% of suppliers to have science-based targets by 2027.**
- **Net Zero across scope 1, 2, & 3 emissions by 2050.**



Our Affiliations

Proud to be a Sedex Member

CDP DRIVING SUSTAINABLE ECONOMIES

APCO MEMBER

clontarf foundation

OZHARVEST

RECONCILIATION AUSTRALIA

TCFD TASK FORCE ON CLIMATE-RELATED FINANCIAL DISCLOSURES

RACE TO ZERO

AIP AUSTRALIAN INSTITUTE OF PACKAGING

SCIENCE BASED TARGETS DRIVING AMBITIOUS CORPORATE CLIMATE ACTION

SILVER | Top 15% ecovadis Sustainability Rating NOV 2024

ISO 14001 SYSTEM CERTIFICATION SGS

Great Place To Work. Certified

Our Partnerships

Embedding ethical supply chains

- We're EcoVadis and Sedex members. We share our responsible and ethical business practices with customers who are members.
- Several of our products and packaging are made from Forest Stewardship Council® certified material.

Ensuring everyone counts

- Bunzl is a certified Great Place to Work.
- We have an Innovate Reconciliation Action Plan (RAP) verified by Reconciliation Australia.
- We donate to OzHarvest (to address food waste) and the Clontarf Foundation to support First Nations youth.

Transitioning to circularity

- We are members of the Australian Packaging Covenant Organisation (APCO).
- We engage with waste management companies to identify and develop circular solutions.

Accelerating climate action

- Our carbon reduction targets are independently validated by the Science Based Targets Initiative (SBTi).
- We are committed to the UN's Race to Zero.
- We report publicly to meet TCFD (Task Force on Climate - related Financial Disclosures) and CDP (Carbon Disclosure Project) requirements.
- We are certified with ISO 14001 Environmental.

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HEAD & FACE PROTECTION 1

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BUNZL SAFETY AND LIFTING IS PROUD TO OFFER AN EXTENSIVE RANGE OF HARD HATS AND ACCESSORIES CERTIFIED TO THE HIGHEST AUSTRALIAN STANDARDS.

Our hard hats are suited to all applications and include printable versions for easy company and personal identification.

HEAD & FACE PROTECTION

BUNZL SAFETY & LIFTING'S MISSION IS TO PROTECT WORKING LIVES BY PROVIDING HIGH QUALITY SAFETY SOLUTIONS AND GIVING BOTH EMPLOYERS AND WORKERS PEACE OF MIND.

Industries such as mining, construction and forestry legally requires head protection that complies with Australian Standards.

Our head & face protection category consists of a wide range of solutions suited to various industrial applications and environments, all of which meet AS/NZS 1801:1997.

Bunzl Safety & Lifting's range can be fitted and customised with a wide array of accessories and options such as logo printing, reflective tapes, miners' lamps and chin straps.

In addition, safety helmets can be integrated with other personal protective equipment PPE such as earmuffs and face shields.

AS/NZS 1801:1997
The objective of this Standard is to specify protective helmets that are to be worn in a variety of occupations, in order to reduce the severity of head injury from hazards associated with such activities.

The Standard specifies requirements for occupational protective helmets to protect wearer's heads from falling objects in building and construction, quarrying, shipbuilding, forestry and other occupations with similar hazards. These requirements include the construction and material of the helmet shell and head harness, mechanical strength of the shell and finish of the helmet.

Three types of occupational protective helmets are specified on AS/NZS 1801:1997 as per below:

- TYPE 1 General Industry Safety Helmets - ABS plastic
- TYPE 2 Designed for high temperature applications - Polycarbonate
- TYPE 3 Designed for bush fire fighting - Polycarbonate with bush fire applications



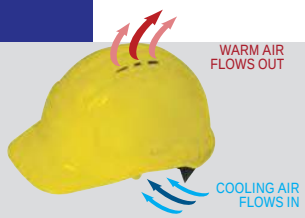
SAFETY HELMETS VARIATIONS

STANDARD HAT

Featuring a front short brim, the standard cap style is great for attaching accessories such as earmuffs with ease.

VENTED

Vents in the top of the hard hat provide air flow in hot environments.



NON-VENTED

Suitable for most environments, particularly those with dust or chemicals.



FULL BRIM

The full brim provides added protection from falling objects, sun and rain. This style can however limit the options on attachable accessories.



BUMP CAPS

Bump caps are adequate for protecting the head from light scrapes and knocks, however should not be used in place of hard hats (and where head protection is mandatory) as they do not comply to Australian Standards.

SNAP BRIMS

Providing protection from the sun, snap brims are sturdy and easily fit on to safety helmets.



FACE SHIELDS & VISORS

Clear polycarbonate face shields are high impact visors that attach to safety helmets and are used in many industries to protect workers against flying particles, liquid, chemical and molten splashes, radiated heat and glare.



SAFETY HELMET WORKING LIFE AND REPLACEMENT

Information pertaining to the selection, care and use of safety helmets is specified in the AS/NZS 1800:1998. The Standard states that the average service life of a safety helmet is three years from the time of issue or earlier if the helmet has changed in colour, exhibits any signs of wear or damage due to impact or deterioration. Head harnesses should be changed at least every two years of use.

CHECKLIST		
✔		All compliant safety helmets should have an issue date sticker on the inside of the shell for wearers to record name and date of issue
✔		They should have the year and month of manufacture stamp
✔		A helmet material stamp must be visible – e.g. ABS, polycarbonate
✔	The safety helmet should be inspected regularly to ensure the harness is correctly fitted and secure	
✔	The safety helmet shell should be visually examined for cracks, fading and damage caused by impact	
✔	If deemed unfit for use, remove from service and replace the item	
✔	Accessories and attachments must be compatible with Australian Standards	

REPLACE SAFETY HELMET IF	
✔	The shell shows signs of wear or degradation e.g. colour faded or stained
✔	There are any dents, cracks, nicks or gauges in the inner or outer shell
✔	The shell feels stiff or brittle, or appears dull or chalky

REPLACE HARNESS IF	
✔	One or more of the points is damaged
✔	The harness is brittle, worn or damaged
✔	The suspension no longer holds the helmet on securely and comfortably

CARE AND MAINTENANCE

To maximise the time your safety helmet will last, follow these tips:

CHECKLIST	
✔	Clean the safety helmet with soap and water and dry with soft cloth. (Never clean with cleaning agents or abrasive substances).
✔	When storing safety helmets, it is important to store the item away from direct sunlight and chemicals.
✔	Ensure you never modify or alter the helmet or harness, and never place anything between the shell and harness as this will compromise the effectiveness of it.
✔	Inspect your helmet at least once a week. By conducting regular checks, you can inspect abrasions and scuffing. If abrasions are more than cosmetic damage, you should replace the safety helmet immediately.

It is the wearer's responsibility however, to ensure all accessories fitted to safety head gear be fully compatible and according to Australian Standards.

CUSTOMISATION

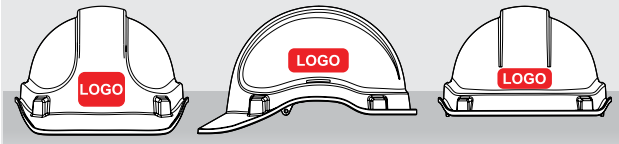
Corporate branding and reflective tape options are available across the range to help create and maintain company image and visibility on site.

There are various logo printing positions and colours available on orders as low as 20 units.

Safety helmets fitted with reflective tape have been tested to ensure that the adhesive is fully compatible with ABS (Acrylonitrile Butadiene Styrene) and polycarbonate materials.

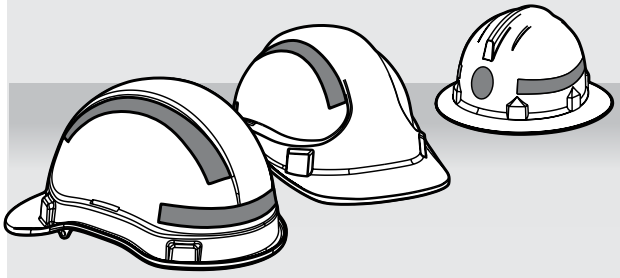
The different shapes and patterns have been designed to fit the helmets and enhance the day and night-time visibility of the wearer. Most patterns have been designed to also fit around safety helmet accessories such as hearing protection, lamp brackets and company logo.

LOGO PRINTING & BRANDING SHOWN ON TA500 SERIES



The logo dimension depends on:

1 Shape of logo/artwork 2 Style of cap 3 Printing position



Reflective tapes shown on TA500 Series. More styles and options available.

STANDARD HARD HATS

COLOURS AVAILABLE



VENTED HARD HAT PINLOCK HARNESS - TYPE 1

FEATURES AND BENEFITS

- Vented
- High impact ABS construction
- Terylene 6 point pinlock harness
- Adjustable 6 point webbed harness for comfort and fit
- Takes 25 and 30mm accessories (cap attachable ear muffs)
- Pad printing available

STANDARDS
Complies to AS/NZS 1801:1997

CODE	COLOUR	PACK QTY	CTN QTY
FRTG57VTDWW0000	White	1	20
FRTG57VTDYY0000	Yellow	1	20
FRTG57VTDGG0000	Green	1	20
FRTG57VTDBL0000	Blue	1	20
FRTG57VTDRR0000	Red	1	20
FRTG57VTDOO0000	Orange	1	20





COLOURS AVAILABLE



VENTED HARD HAT RATCHET HARNESS - TYPE 1

FEATURES AND BENEFITS

- Vented
- High impact ABS construction
- Terylene 6 point ratchet harness
- Adjustable ratchet harness for comfort and fit
- Takes 25 and 30mm accessories (cap attachable ear muffs)
- Pad printing available

STANDARDS
Complies to AS/NZS 1801:1997

CODE	COLOUR	PACK QTY	CTN QTY
FRTG57VRHBB0000	Black	1	20
FRTG57VRHBL0000	Blue	1	20
FRTG57VRHGG0000	Green	1	20
FRTG57VRHOO0000	Orange	1	20
FRTG57VRHWW0000	White	1	20
FRTG57VRHYY0000	Yellow	1	20

COLOURS AVAILABLE



VENTED MINERS CAP METAL LAMP BRACKET HARD HAT - TYPE 1

FEATURES AND BENEFITS

- Vented
- High impact ABS construction
- Terylene 6 point pinlock harness
- Adjustable 6 point webbed harness for comfort and fit
- Takes 25 and 30mm accessories (cap attachable ear muffs)
- Metal lamp bracket

STANDARDS
Complies to AS/NZS 1801:1997

CODE	COLOUR	PACK QTY	CTN QTY
FRTG57VTDWWMLBR	White	1	20

COLOURS AVAILABLE



PRINTED VENTED HARD HAT PINLOCK HARNESS - TYPE 1

FEATURES AND BENEFITS

- Vented
- High impact ABS construction
- Terylene 6 point pinlock harness
- Adjustable 6 point webbed harness for comfort and fit
- Takes 25 and 30mm accessories (cap attachable ear muffs)
- Pad printing available

STANDARDS
Complies to AS/NZS 1801:1997

CODE	DESCRIPTION	COLOUR	PACK QTY	CTN QTY
FRTG57VTDGG00FA	First Aid	Green	1	20
FRTG57VTDRRWARD	Warden	Red	1	20
FRTG57VTDWWCWRD	Chief Warden	White	1	20
FRTG57VTDWWDCWD	Deputy Chief Warden	White	1	20

COLOURS AVAILABLE



NON-VENTED HARD HAT PINLOCK HARNESS - TYPE 1

FEATURES AND BENEFITS

- Non-vented
- High impact ABS construction
- Terylene 6 point pinlock harness
- Adjustable 6 point webbed harness for comfort and fit
- Takes 25 and 30mm accessories (cap attachable ear muffs)
- Pad printing available

STANDARDS
Complies to AS/NZS 1801:1997

CODE	COLOUR	PACK QTY	CTN QTY
FRTG56NV0BL0000	Blue	1	20
FRTG56NV0FY0000	HV Yellow	1	20
FRTG56NV0YY0000	Yellow	1	20
FRTG56NV0GG000	Green	1	20
FRTG56NV0OO0000	Orange	1	20
FRTG56NV0RR0000	Red	1	20
FRTG56NV0WW0000	White	1	20

STANDARD HARD HATS

COLOURS AVAILABLE



PRODUCT CERTIFICATION
BSI CERTIFIED PRODUCT
AS/NZS 1801:1997 LIC, BMP 749955

AUSTRALIAN MADE AND OWNED

CLEARVIEW VENTED HARD HAT PINLOCK HARNESS - TYPE 2

FEATURES AND BENEFITS

- Vented
- Terylene 6 point pinlock harness
- High heat rated polycarbonate construction

STANDARDS
Complies to AS/NZS 1801:1997

CODE	COLOUR	PACK QTY	CTN QTY
FRCLRVIEWBL0000	Blue	1	20
FRCLRVIEWCR0000	Clear	1	20
FRCLRVIEWGG0000	Green	1	20
FRCLRVIEWOO0000	Orange	1	20
FRCLRVIEWPK0000	Pink	1	20
FRCLRVIEWRD0000	Red	1	20
FRCLRVIEWSM0000	Smoke	1	20
FRCLRVIEWYY0000	Yellow	1	20

SAFETY WITH A CLEAR VIEW

NEW GENERATION FRONTIER CLEARVIEW SAFETY HELMETS

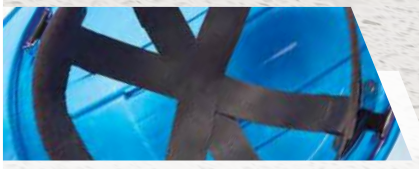


- UV400 stabilised suitable for indoor and outdoor use
- Unique clear view through helmet peak



- High impact polycarbonate
- Vented for increased wearer comfort
- Available in a large range of colours

As their name suggests the new generation Frontier Clearview range offer enhanced peripheral vision for additional awareness of possible hazards. The translucent shell allows wearers to look upwards without tilting the head back, and although see-through, the shell provides UV400 protection.



- Adjustable 6 point head harness
- Accepts most helmet attachments





TERRY TOWELLING REPLACEMENT SWEAT BAND

FEATURES AND BENEFITS

- Terry towelling replacement sweat band
- Easy to fit to head protection
- Ideal for long working periods and hot work environments
- Made from all cotton material to increase comfort

CODE	COLOUR	PACK QTY	CTN QTY
RSB	Black	1	20



REPLACEMENT HARD HAT HARNESS

FEATURES AND BENEFITS

- 6 point terylene head gear replacement
- Adjusts easily
- Light weight and durable
- Moulded for comfort

CODE	COLOUR	PACK QTY	CTN QTY
RWH	White	1	10



HARD HAT CHIN STRAP REPLACEMENT

FEATURES AND BENEFITS

- Chin strap replacement
- Comfortable and easily adjustable
- Fits most hard hats

CODE	COLOUR	PACK QTY	CTN QTY
FRTGCHNST000000	Black	20	200

Snap Brim™

COLOURS AVAILABLE



SNAP BRIM

FEATURES AND BENEFITS

- To suit a wide range of hard hats
- Provides added protection from the dangers of the sun
- Range of colour combinations
- Sturdy, high quality brims with fabric edging
- Removable neck flap. Attaches with velcro strip
- Easy to fit and remove

CODE	DESCRIPTION	COLOUR	PACK QTY	CTN QTY
FRSNAPBRMOO1000	Snap Brim Orange Compatible with MSA Advantage	Orange	1	20
FRSNAPBRMOO1002	Snap Brim Orange Compatible Protector HC600/HC600V	Orange	1	20
FRSNAPBRMOO1003	Snap Brim Orange Compatible with Frontier Hard Hat	Orange	1	20


FALL ARREST ATTACHMENT POINT
B-Safe

3M

TYPE 1



TA560 NON-VENTED SAFETY HELMET - ABS TYPE 1

FEATURES AND BENEFITS

- Design incorporates multiple branding & reflective tape options
- ABS Type 1 safety helmet - Australian made
- 6 point terylene harness with adjustable headband
- 25mm moulded slots accept all 3M™ helmet accessories & hearing
- Polycarbonate & metal lamp bracket options available
- Replaceable terry towel sweatband

STANDARDS
Complies to AS/NZS 1801:1997 - Type 1

CODE	COLOUR	CTN QTY
TA560.WH	White	20
TA560.BL	Blue	20
TA560.FLOR	Fluoro Orange	20
TA560.FLYE	Fluoro Yellow	20
TA560.GN	Green	20
TA560.OR	Orange	20
TA560.RD	Red	20
TA560.YE	Yellow	20

3M

TYPE 1



MINERS HELMET NON-VENTED & METAL LAMP BRACKET - ABS TYPE 1

FEATURES AND BENEFITS

- Helmet design incorporates multiple branding & reflective tape option positions
- 25mm moulded slots accept all 3M™ helmet accessories and hearing
- 6 point terylene harness with adjustable headband
- Metal lamp bracket. Polycarbonate option also available.

STANDARDS
Complies to AS/NZS 1801:1997

CODE	COLOUR	CTN QTY
TA560M.WH	White	20
TA560M.FLYE	Fluoro Yellow	20



VENTED + NON-VENTED HELMET



TA570 VENTED SAFETY HELMET - ABS TYPE 1

FEATURES AND BENEFITS

- Design incorporates multiple branding & reflective tape options
- ABS Type 1 vented safety helmet
- Unique crown cooling vents for outdoor/indoor use
- 6 point terylene harness with adjustable headband
- 25mm moulded slots accept all 3M™ helmet accessories & hearing
- Polycarbonate & metal lamp bracket options available

STANDARDS
Complies to AS/NZS 1801:1997 - Type 1

CODE	COLOUR	CTN QTY
TA570.WH	White	20
TA570.BL	Blue	20
TA570.FLOR	Fluoro Orange	20
TA570.FLYE	Fluoro Yellow	20
TA570.GN	Green	20
TA570.OR	Orange	20
TA570.RD	Red	20
TA570.YE	Yellow	20



HH40 FULL BRIM NON-VENTED HARD HAT - ABS TYPE 1

FEATURES AND BENEFITS

- Durable & light weight
- Full brim for extra sun or splash protection
- Six point 25mm webbing harness with injection moulded adjustable headband
- Optional model: helmet with miners lamp brackets (metal or polycarbonate) available on request*

STANDARDS
Complies to AS/NZS 1801:1997

CODE	COLOUR	PACK QTY
3MHH401WBWW0000	White	1
3MHH401WBOO0000	Orange	1



MINERS HELMET VENTED & METAL LAMP BRACKET

FEATURES AND BENEFITS

- 25mm nylon webbing - 6 point
- Provides shock absorption
- Penetration resistant

STANDARDS
Complies to AS/NZS 1801:1997

CODE	COLOUR	CTN QTY
TA570M.WH	White	20
TA570M.OR	Orange	20

3M

TYPE 2



UNVENTED POLYCARBONATE SAFETY HELMET - TYPE 2

FEATURES AND BENEFITS

- Australian made
- Type 2 polycarbonate shell for higher temperature work applications
- Comfortable 6 point terylene head harness
- Terry towel sweatband absorber (replaceable)
- 25mm moulded slots accept all safety helmet accessories (cap attach earmuffs and visors)

STANDARDS
PPE combinations have been tested as an approved combination under AS/NZS 1801:1997, AS/NZS 1337:1992, AS/NZS 1270:2002

CODE	COLOUR	CTN QTY
TA580.WH	White	20
TA580.YE	Yellow	20
TA580.RD	Red	20
TA580.OR	Orange	20
TA580.GN	Green	20
TA580.BL	Blue	20
TA580.FLOR	Fluoro Orange	20
TA580.FLYE	Fluoro Yellow	20

3M

TYPE 2



VENTED POLYCARBONATE SAFETY HELMET - TYPE 2

FEATURES AND BENEFITS

- Australian made
- Type 2 polycarbonate shell for higher temperature applications
- Top venting ensures cooler and more comfortable protection
- Comfortable 6 point terylene head harness
- Terry towel sweatband absorber (replaceable)
- 25mm moulded slots accept all safety helmet accessories (cap attach earmuffs and visors)

STANDARDS
PPE combinations have been tested as an approved combination under AS/NZS 1801:1997, AS/NZS 1337:1992, AS/NZS 1270:2002

CODE	COLOUR	CTN QTY
TA590.WH	White	20
TA590.YE	Yellow	20
TA590.RD	Red	20
TA590.OR	Orange	20
TA590.GN	Green	20
TA590.BL	Blue	20
TA590.FLOR	Fluoro Orange	20
TA590.FLYE	Fluoro Yellow	20

3M

TYPE 2

CUSTOM OPTIONS AVAILABLE
LOGO & REFLECTIVE TAPE

Australian Standard AS/NZS 1801:1997 SAI Global Certified Product



HH44 NON-VENTED FULL BRIM SAFETY HELMET - TYPE 2

FEATURES AND BENEFITS

- Type 2 polycarbonate for high temperature applications
- Full brim for extra sun or splash protection
- Six point 25mm webbing harness with injection moulded adjustable headband
- Optional model: helmet with miners lamp brackets (metal or polycarbonate) available on request*

STANDARDS
Complies to AS/NZS 1801:1997

CODE	COLOUR	PACK QTY
3MHH442WBWW0000	White	1
3MHH442WBOO0000	Orange	1

* Minimum order quantities may apply



BUSH FIRE HELMETS

3M

TYPE 3

CUSTOM OPTIONS AVAILABLE



Australian Standard AS/NZS 1801:1997 SAI Global Certified Product

HF46 BUSH FIREMAN'S HELMET - TYPE 3

FEATURES AND BENEFITS

- Type 3: polycarbonate heat resistant material
- Slimline brim for reduced weight & added comfort
- Flame resistant neck flap offers protection from naked flame, radiant heat & solar radiation
- Reflective tape for increased visibility
- Chinstrap for additional security & hanging hook for easy storage

STANDARDS
Complies to AS/NZS 1801:1997 - Type 3

CODE	COLOUR	PACK QTY
3MHF46BFHWW0000	White	1

3M

TYPE 3

CUSTOM OPTIONS AVAILABLE



Australian Standard AS/NZS 1801:1997 SAI Global Certified Product

HF44 BUSH FIREMAN'S HELMET - TYPE 3

FEATURES AND BENEFITS

- Type 3: lightweight polycarbonate heat resistant wide-brim helmet
- Wide brim for added ember & splash protection
- Flame resistant neck flap offers protection from embers & radiant heat
- Fitted with neck flap, elastic chin-strap & reflective tape as standard
- Available with or without visor

STANDARDS
Complies to AS/NZS 1801:1997 - Type 3

CODE	COLOUR	PACK QTY
3MHF44BFHWW0000	White	1

3M



YELLOW FLAME RESISTANT NECK FLAP

FEATURES AND BENEFITS

- Flame resistant
- Safety yellow
- Extra slots to suit 4 point chin strap
- Fit type 3 bushfire helmet

STANDARDS
Complies to ASNZS2755.1

CODE	COLOUR	PACK QTY
3MHXNFPC4YY0000	Yellow	1



NYLON VISOR HOLDER FOR TA500 HELMET

FEATURES AND BENEFITS

- General purpose cap attached visor holder
- Low to high impact resistance and excellent heat resistance
- Nylon Visor Holder for TA500 Helmet Visor
- Pivoting system provides three positions and one hand operation
- Fits all 3M™ peaked safety caps

STANDARDS
Complies to AS/NZS 1337.1:2010

CODE	COLOUR	PACK QTY
VH500	Grey	1



NYLON PEAKED VISOR HOLDER FOR TA500 HELMET

FEATURES AND BENEFITS

- General purpose cap attached visor holder
- Low to high impact resistance and excellent heat resistance
- Nylon Peaked Visor Holder for TA500
- Pivoting system provides three positions and one hand operation
- Fits all 3M™ peaked safety caps

STANDARDS
Complies to AS/NZS 1337.1:2010

CODE	COLOUR	PACK QTY
VH500P	Grey	1



ALUMINUM VISOR HOLDER FOR TA500 HELMETS

FEATURES AND BENEFITS

- Suitable for very high temperatures
- Available in two sizes to fit 3M™ TA500 or TA400 Safety Helmets
- Ideal for radiant heat applications and are hinged to allow the lifting of the visor when needed

STANDARDS
Complies to AS/NZS 1337.1:2010

CODE	COLOUR	PACK QTY
3MVV765	Grey	1



SWEATBAND TERRY TOWELING

FEATURES AND BENEFITS

- Terry towelling is non-allergenic, comfortable & not skin sensitive
- Absorbent material
- Replaceable
- Economical and hygienic
- Fits all 3M series safety helmet head harnesses

CODE	COLOUR	PACK QTY
TA094	Black	1



SWEATBAND LAMBSWOOL FOR HELMETS

FEATURES AND BENEFITS

- Replaceable sweatband for comfort
- Prevents moisture obstructing vision
- Absorbent

CODE	COLOUR	PACK QTY
TA095	White	1



COTTON NECK FLAP FOR HARD HAT

FEATURES AND BENEFITS

- Provides added protection from the sun for outdoor workers
- Easily clips into all 3M Series Safety Helmets
- Ideal for outdoor workers

CODE	COLOUR	PACK QTY
TA170	White	1



CHINSTRAPS FOR 3M™ SAFETY HELMETS

FEATURES AND BENEFITS

- Chinstrap for 3M™ safety helmets
- Elasticised chinstrapfor added security in windy conditions
- Fitted to the small lower attachment hole on each side of the safety helmet

STANDARDS
Complies to AS/NZS 1337.1:2010

CODE	COLOUR	PACK QTY
TA175	Black	1



BALACLAVA HARD HAT - UNISIZE

FEATURES AND BENEFITS

- Hook and loop attachment lugs - easy fitting to helmet harness
- Integrated neck flap design for added warmth
- Rotates with helmet for improved safety and stability
- Suitable for forestry, construction, plant operators, cold storage, freezer or cold weather workers

STANDARDS
Complies to AS/NZS 1337.1:2010

CODE	COLOUR	PACK QTY
TA179BK	Black	1



CANVAS BRIM WITH NECKFLAP

FEATURES AND BENEFITS

- Provides sun protection for the face and neck
- Ideal for outdoor workers
- Available in a range of colours

STANDARDS
Complies to AS/NZS 1337.1:2010

CODE	COLOURS	PACK QTY
TA173	Black, Green, Orange, White, Yellow, Navy	1



FACE SHIELD VV230

FEATURES AND BENEFITS

- Medium impact protection
- Economical Face shield
- Polycarbonate visor
- Resistant to medium impact particles and water-based liquids e.g. biological, acids, weak solvents
- Suitable for general use or for school laboratories or medical purposes

STANDARDS
Complies to AS/NZS 1801:1997 - Type 3

CODE	DESCRIPTION	PACK QTY
VV230	Blue brow guard, clear visor, 300mm x 200mm	1



BROWGUARD HEADGEAR AND VISOR COMPLETE KIT

FEATURES AND BENEFITS

- The Australian made 3M™ VC105 is a head mounted face protection solution. The VC105 features a high impact brow guard for forehead and brow protection
- Ratchet headgear adjustment
- 1mm High Impact polycarbonate visor - 300mm x 200mm
- Splash resistance©

STANDARDS
Complies to AS/NZS 1337.1:2010 and carries (V) marking

CODE	DESCRIPTION	PACK QTY
VC105	Complete kit	1



FACESHIELD POLYCARBONATE VISOR WITH RATCHET HEADGEAR

FEATURES AND BENEFITS

- The Australian made 3M™ VC107 is a head mounted face protection solution. The VC107 features a high impact brow guard for forehead and brow protection
- Ratchet adjustable headband
- Friction pivoting system for lifting & lowering
- 1mm polycarbonate visor - 400mm x175mm

STANDARDS
Complies to AS/NZS 1337.1:2010

CODE	DESCRIPTION	PACK QTY
VC107	High Impact, Clear/Blue, 400 mm x 175 mm	1


BSX

MSA The Safety Company

TYPE 1



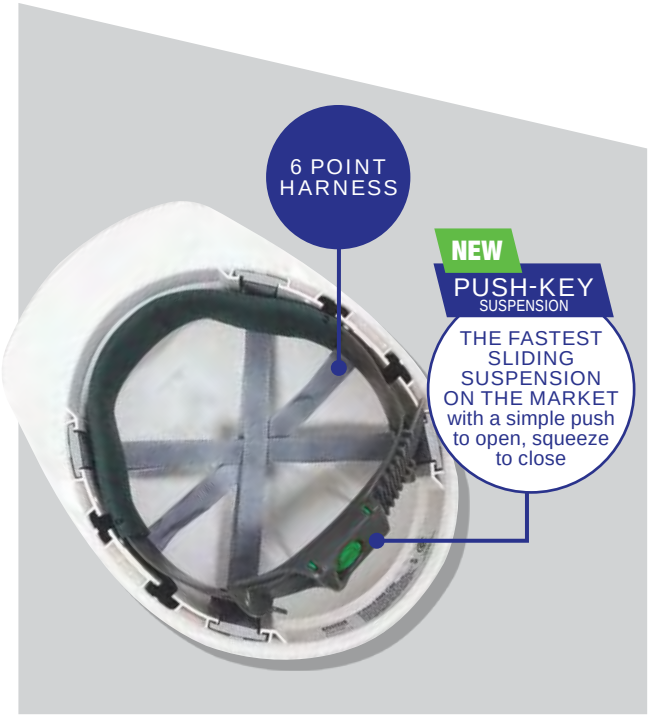
V-GARD™ 500 VENTED HARD HAT

FEATURES AND BENEFITS

- Sweat-wicking chamois feel/bamboo like replaceable foam sweatbands offer the 'Coolest yet' user experience
- ABS helmet shell offers good resistance to scratches
- Provides lateral crushing protection
- 6 point woven polyester textile suspension provide height & length adjustment
- Glaregard® textured underside of peak reduces glare & eye strain
- Rain gutter for wet conditions - prevents water running down the neck
- Earmuff & visor attachment slots are compatible with all of the V-Gard range

STANDARDS
Complies to AS/NZS 1801:1997 - Type 1

CODE	COLOUR	PACK QTY	CTN QTY
MS229700PWW0000	White	1	20
MS229700PYY0000	Yellow	1	20
MS229700PRR0000	Red	1	20
MS229700POO0000	Orange	1	20
MS229700PLE0000	Light Blue	1	20
MS229700PPK0000	Pink	1	20
MS229700PGG0000	Green	1	20
MS229700PFL0000	Fluro Lime (Yellow)	1	20



MSA The Safety Company

TYPE 1



V-GARD™ 500 NON-VENTED HARD HAT

FEATURES AND BENEFITS

- Sweat-wicking chamois feel/bamboo like replaceable foam sweatbands offer the 'Coolest yet' user experience
- ABS helmet shell offers good resistance to scratches
- Provides lateral crushing protection
- 6 point woven polyester textile suspension provide height and length adjustment
- Glaregard® textured underside of peak reduces glare & eye strain
- Rain gutter for wet conditions - prevents water running down the neck
- Earmuff & visor attachment slots are compatible with all of the V-Gard range

STANDARDS
Complies to AS/NZS 1801:1997 - Type 1

CODE	COLOUR	PACK QTY	CTN QTY
MS229700UWW0000	White	1	20
MS229700UYY0000	Yellow	1	20

WHY MSA PUSH-KEY IS THE BEST IN CLASS!

Premium harness with one hand operation open and close whilst on the head

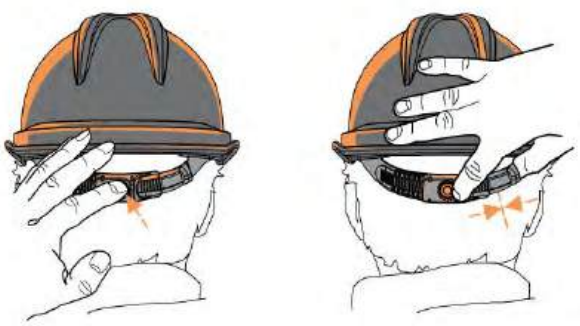
Ability to retro-fit existing cap mounted ear-muffs to a new MSA cap

The trajectory of the light is now at 70 degree's for universal cap lamps

The suspension harness, has the ability to fit the head in the right position easily and safely

MSA's the only product globally that has the universal suspension that fits just about every head size!

The 'chamois feel/bamboo like' sweatband absorbs 10 x's its own weight in liquid v 4 x's with the terry towelling whilst feeling dry on the head facing shell and is easy to dry in 10 seconds!



PUSH-KEY ADJUSTMENTS

Content courtesy of MSA The Safety Company

STANDARD HARD HATS



V-GARD™ FULL BRIM HARD HAT

FEATURES AND BENEFITS

- Sweat-wicking chamois feel/bamboo like replaceable foam sweatbands offer the 'Coolest yet' user experience
- Polyethylene shell provides superior impact protection
- Self-adjusting crown straps ensure a comfortable fit
- Earmuff and visor attachment slots are compatible with all V-Gard accessories

STANDARDS
Complies to AS/NZS 1801:1997 - Type 1

CODE	COLOUR	PACK QTY	CTN QTY
MS220925PWW0000	White	1	20
MS220925PYY0000	Yellow	1	20
MS220925PRR0000	Red	1	20
MS220925POO0000	Orange	1	20
MS220925PLE0000	Light Blue	1	20
MS220925PGG0000	Green	1	20
MS220925PFO0000	Fluoro Orange	1	20



V-GARD™ ELITE NON-VENTED HARD HAT

FEATURES AND BENEFITS

- Sweat-wicking chamois feel/bamboo like replaceable foam sweatbands offer the 'Coolest yet' user experience
- Robust design, durable shell construction
- Extended peak for greater visibility & extra protection from the sun & rain
- Glaregard® Surface underbrim to reduce reflective glare
- Custom imprinting & striping options
- Earmuff & visor attachment slots are compatible with all V-Gard accessories

STANDARDS
Complies to AS/NZS 1801:1997 - Type 1

CODE	COLOUR	PACK QTY	CTN QTY
MS226025PWW0000	White	1	20
MS226025PYY0000	Yellow	1	20
MS226025PRR0000	Red	1	20
MS226025POO0000	Orange	1	20
MS226025PLE0000	Light Blue	1	20
MS226025PGG0000	Green	1	20
MS226025PFL0000	Fluoro Lime	1	20



V-GARD™ 500 MINERS VENTED HARD HAT WITH METAL LAMP BRACKET

FEATURES AND BENEFITS

- Sweat-wicking chamois feel/bamboo like, replaceable foam sweatbands offer the 'Coolest yet' user experience
- Robust design, durable shell construction
- Extended peak for greater visibility & extra protection from the sun & rain
- Glareguard surface underbrim to reduce reflective glare
- Rain gutter for wet conditions - prevents water running down the neck
- Earmuff & visor attachment slots are compatible with all V-Gard accessories

STANDARDS
Complies to AS/NZS 1801:1997 - Type 1

CODE	COLOUR	PACK QTY	CTN QTY
MS229355PWW0000	White	1	20
MS229355PYY0000	Yellow	1	20
MS229355PRR0000	Red	1	20
MS229355POO0000	Orange	1	20
MS229355PLE0000	Light Blue	1	20
MS229355PPK0000	Pink	1	20
MS229355PGG0000	Green	1	20
MS229355PFL0000	Fluoro Lime	1	20



V-GARD™ ELITE NON-VENTED HARD HAT WITH METAL LAMP BRACKET

FEATURES AND BENEFITS

- Sweat-wicking chamois feel/bamboo like, replaceable foam sweatbands offer the 'Coolest yet' user experience
- Robust design, durable shell construction
- Extended peak for greater visibility & extra protection from the sun & rain
- Glareguard surface underbrim to reduce reflective glare
- Earmuff & visor attachment slots

STANDARDS
Complies to AS/NZS 1801:1997 - Type 1

CODE	COLOUR	PACK QTY	CTN QTY
MS226065PWW0000	White	1	20
MS226065PYY0000	Yellow	1	20
MS226065PRR0000	Red	1	20
MS226065POO0000	Orange	1	20
MS226065PLE0000	Light Blue	1	20
MS226065PGG0000	Green	1	20
MS226065PFL0000	Fluoro Lime	1	20



CHIN STRAP ELASTIC

FEATURES AND BENEFITS

- Elastic chin strap suits all MSA caps and hats

CODE	COLOUR	PACK QTY	CTN QTY
220553	Black	10	1000



TERRY TOWELLING SWEATBANDS

FEATURES AND BENEFITS

- Breathable foam helps keep workers cool, dry and comfortable
- Velcro or loop closure makes replacement easier

CODE	DESCRIPTION	COLOUR	PACK QTY	CTN QTY
224047	Velcro closure	Black	1	10
765550	Lug style loop closure	Black	20	800



SWEAT-WICKING REPLACEABLE FOAM SWEATBANDS

FEATURES AND BENEFITS

- Sweat-wicking chamois feel/bamboo like replaceable foam sweatbands offer the 'Coolest yet' user experience
- Unique smooth texture that is kind to the forehead and the most comfortable sweatband to date
- For use exclusively with the Push-Key range of V-Gard's

CODE	COLOUR	PACK QTY	CTN QTY
MS3335612	Black/Grey	1	1



V-GARD™ VISOR FRAME

FEATURES AND BENEFITS

- Unique 'V' shaped alignment guides with 3-point visor loading to fit and remove visors quickly
- Unique 'Debris control rubber gasket overlay' prevents debris falling in users face and eyes
- Sliding adjustment rails to allow space for other PPE items like eyewear and respiratory protection
- Non-metal for use in electrical applications
- Stowable slot adapters allow for use with or without earmuffs

CODE	COLOUR	PACK QTY	CTN QTY
10115730	Grey	1	1



V-GARD™ WINTER LINER KNIT CAP

FEATURES AND BENEFITS

- Delivers extra warmth & protection under safety helmets
- Certified under AS/NZS 1901 to be worn under a V-Gard hard hat

CODE	COLOUR	PACK QTY	CTN QTY
10118417	Black/Grey	1	1

V-GARD™ VISOR FLAT PC

FEATURES AND BENEFITS

- Designed for use with V-Gard frames and headgear
- Wider design for improved resistance to impact and splash hazards
- Maximum UV protection
- High impact protection rated under AS/NZS

CODE	DESCRIPTION	COLOUR	PACK QTY	CTN QTY
10115836	Flat, 190 X 432 X 1MM	Clear	1	1





HEARING PROTECTION 1

EARMUFFS	36-40
EARPLUGS	41-45
ELECTRONIC EARMUFFS	46-49

NOISE INDUCED HEARING LOSS IS PERMANENT, YET CAN BE LARGELY PREVENTABLE

When coupled with effective noise control measures, appropriate and correctly fitted hearing protection devices can help prevent hearing loss. At Bunzl Safety & Lifting we supply the latest ear muffs, earplugs and dispensers suited to low and high noise environments - from all the leading brands you can trust.

UNDERSTANDING HEARING PROTECTION

HEARING DAMAGE IS GRADUAL, OFTEN HAPPENS WITHOUT WORKERS KNOWLEDGE AND ONCE DETERIORATION OCCURS, IT IS IRREVERSIBLE.

LONG TERM DAMAGE IS NOT USUALLY APPARENT UNTIL 10 TO 20 YEARS AFTER EXPOSURE.

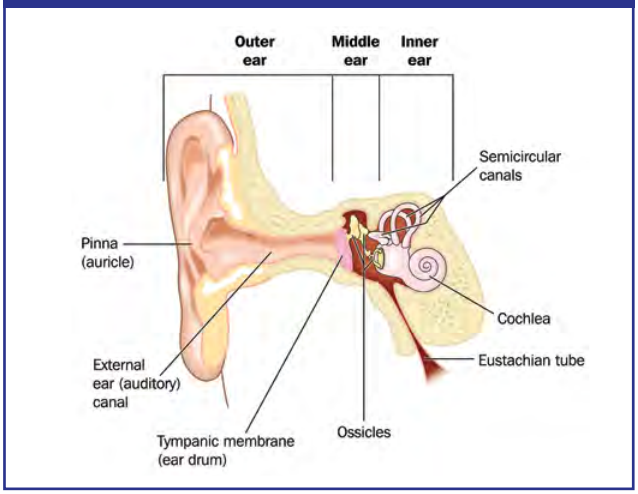
Although induced hearing loss is largely preventable, in Australia and New Zealand industrial hearing loss represents one of the major areas of compensation.

Awareness and preventative measures are essential for hearing conservation, and with the appropriate solutions noise induced hearing loss is largely avoidable.

Contributing factors to workplace noise are often compounded by secondary sources including traffic, machinery, electrical equipment and music. These are just some examples that are very predominant in today's environment.

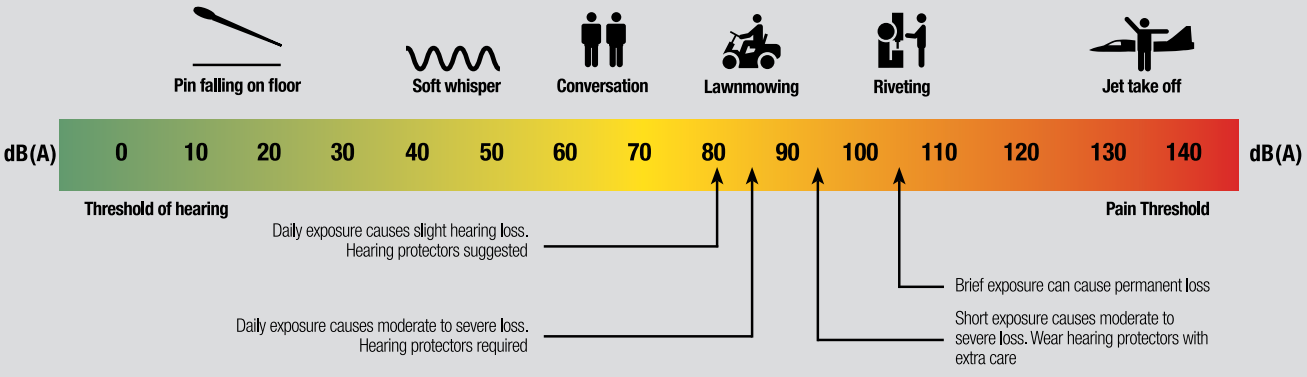
INJURIES ARE LIFELONG

The human ear is designed to pick up natural sounds. Many workplace processes and applications can generate noise levels that are potentially harmful to hearing. When the tiny sensory hair cells are repeatedly exposed to excessive doses of noise, they break. The surviving sensory hair cells can only process a fraction of the usual information transfer, thus leading to permanent hearing damage.



UNDERSTANDING EAR PROTECTION

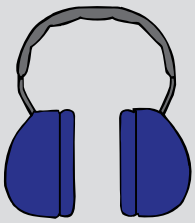
EASY TO DAMAGE - EASY TO PROTECT



100% USAGE

Damage to hearing depends not only on the actual noise level but also exposure time. Just five minutes of carelessness during an eight-hour day can potentially lead to lifelong hearing loss.

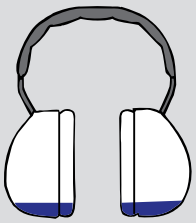
That's why 100% usage is critical in noisy environments if you are to get the adequate protection from your chosen hearing protector. Choose a comfortable hearing protector that suits your needs.



100% USAGE. Gives the expected protection



99% USAGE. Just five minutes carelessness per day significantly reduces the effect of the hearing protector



90% USAGE. Virtually no protection

Content courtesy of 3M

THE CLASS SYSTEM FOR NOISE LEVEL PRODUCTION

Under the Standard AS/NZS 1270, there is a classification method for the selection of hearing protectors. Once the extent of the noise hazard has been determined by a noise level survey, the user simply applies this to the classification table below to select an appropriate hearing protector. The class system is a simple way to select hearing protection appropriate to the noise exposure.

CLASS	AVERAGE EXPOSURE dB(A) OVER 8 HOURS	SLC80 dB(A) RANGE
1	Less than 90	10 to 13
2	90 to less than 95	14 to 17
3	95 to less than 100	18 to 21
4	100 to less than 105	22 to 25
5	105 to less than 110	26 or Greater

WHAT IS SLC80?

SLC stands for Sound Level Conversion; it is a rating defined as the difference between the sound level of the environment in which the hearing protection device is worn, and the sound level reaching the wearer's ears. The SLC value includes a correction to ensure that the stated degree of noise reduction is obtained on 80% of occasions hence the SLC80 rating.

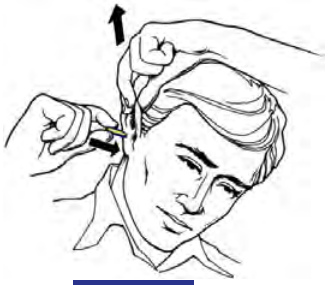
EARPLUG FITTING INSTRUCTIONS



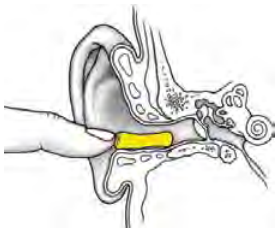
STEP 1



STEP 2



STEP 3



STEP 4

HEARING PROTECTION STANDARDS

AS/NZS 1270:2002 ACOUSTICS - HEARING PROTECTORS

This Standard specifies requirements for the design, materials, and performance of conventional hearing protectors. It also provides guidance on the general requirements for, and the physical and acoustic testing of, specialist hearing protectors.

Under Standard AS/NZS 1270 hearing protectors are tested across a range of noise frequencies where a SLC80 rating is mathematically calculated. The results are stated as Class which is determined by the SLC80 rating obtained. The test results are found on the packaging of the hearing protector.

Content courtesy of 3M



CLASS 4 & 5 EARMUFFS



OVERHEAD EARMUFF

FEATURES AND BENEFITS

- High quality robust hearing protection - high noise use
- Hi vis colour for increased visibility
- Hi vis padded headband for comfort
- Stainless steel wire headband construction

STANDARDS
AS/NZS 1270:2002

CODE	CLASS	RATING	PACK QTY	CTN QTY
FREARMUFFYY00C5	5	SLC80 30dB	1	24



PELTOR OPTIME I EARMUFF

FEATURES AND BENEFITS

- Modern, low profile headband design helps maintain constant pressure providing protection confidence
- Space inside cup helps reduce moisture and heat build-up
- Easy to replace cushions and inserts
- Soft wide cushions helps reduce pressure around the ears and improves comfort
- Helmet mounted style includes two helmet adapters to accommodate common helmet slots

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	CLASS	RATING	PACK QTY	CTN QTY
3MH510A	Headband	5	SLC80 28dB	1	10
3MH510B	Neckband	4	SLC80 25dB	1	10
3MH510F	Foldable Headband	5	SLC80 28dB	1	10
3MH510P3GSE	Helmet Attach	5	SLC80 28dB	1	10



PELTOR OPTIME II EARMUFF

FEATURES AND BENEFITS

- Modern, low profile headband design helps maintain constant pressure providing protection confidence
- Space inside cup helps reduce moisture and heat build-up
- Replacable soft wide cushions helps reduce pressure around the ears and improves comfort
- Helmet mounted earmuffs includes two helmet adapters to accommodate common helmet slots
- Easy to understand attenuation symbol on neckband to help ensure correct product selection

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	CLASS	RATING	PACK QTY	CTN QTY
3MH520A	Headband	5	SLC80 32dB	1	10
3MH520B	Neckband	5	SLC80 27dB	1	10
3MH520FHV	Foldable Headband	5	SLC80 32dB	1	10
3MH520P3GSE	Helmet Attach	5	SLC80 29dB	1	10



PELTOR OPTIME III EARMUFF

FEATURES AND BENEFITS

- Modern, low profile headband design helps maintain constant pressure providing protection confidence
- Space inside cup helps reduce moisture and heat build-up
- Replaceable soft wide cushions helps reduce pressure around the ears and improves comfort
- Helmet mounted style includes two helmet adapters to accommodate common helmet slots
- Easy to understand attenuation symbol on neckband to help ensure correct product selection

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	CLASS	RATING	PACK QTY	CTN QTY
3MH540AHV	Headband	5	SLC80 33dB	1	10
3MH540A	Headband	5	SLC80 33dB	1	10
3MH540B	Neckband	5	SLC80 34dB	1	10
3MH540FHV	Foldable Headband	5	SLC80 33dB	1	10
3MH540P3GSE	Helmet Attach	5	SLC80 30dB	1	10

Honeywell



VERISHIELD VS120 PASSIVE EARMUFF

FEATURES AND BENEFITS

- Comfortably fits wide range of head sizes. Ideal for those with larger ears or who wear hearing aids
- Lightweight cushioned headband: Steel-wire construction with padded headband and micro adjustments for great fit
- New unique memory foam for greater comfort and attenuation

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	CLASS	RATING	PACK QTY	CTN QTY
HO1035145	Headband	5	SLC80 27dB	1	10
HO1035103	Headband	5	SLC80 26dB	1	10
1035146-VS	Neckband	5	SLC80 25dB	1	10
1035120-VS	Helmet Attach	5	SLC80 24dB	1	10

Honeywell



VERISHIELD VS120 PASSIVE EARMUFF

FEATURES AND BENEFITS

- Comfortably fits wide range of head sizes. Ideal for workers with larger ears or who wear hearing aids
- Lightweight cushioned headband: Steel-wire construction with padded headband and precision micro adjustments for great fit
- New unique memory foam for greater comfort and attenuation
- Air flow control technology provides higher attenuation across noise frequencies (especially low frequencies)

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	CLASS	RATING	PACK QTY	CTN QTY
HO1035105	Headband	5	SLC80 30dB	1	10
HO1035141	Headband	5	SLC80 31dB	1	10
1035107VS	Headband	5	SLC80 31dB	1	10
HO1035115	Neckband	5	SLC80 27dB	1	10
HO1035123VS	Helmet Attach	5	SLC80 28dB	1	10

Honeywell



VERISHIELD VS130 PASSIVE EARMUFF

FEATURES AND BENEFITS

- Comfortably fits wide range of head sizes. Ideal for workers with larger ears or who wear hearing aids
- Lightweight cushioned headband: Steel-wire construction with padded headband and precision micro adjustments for great fit
- New unique memory foam for greater comfort and attenuation
- Air flow control technology provides higher attenuation across noise frequencies (especially low frequencies)

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	CLASS	RATING	PACK QTY	CTN QTY
HO1035109	Headband	5	SLC80 32dB	1	10
1035111-VS	Headband	5	SLC80 32dB	1	10
1035117VS	Neckband	5	SLC80 31dB	1	10
HO1035126	Helmet Attach	5	SLC80 30dB	1	10
HO1035129HV	Helmet Attach	5	SLC80 30dB	1	10

Honeywell



VERISHIELD VS100D PASSIVE EARMUFF (CLASS 4)

FEATURES AND BENEFITS

- Dielectric headband, durable non-deforming plastic headband for electrical environments
- Sound Management Technology SMT that improves employee safety by blocking harmful noise while allowing voice and signals heard more naturally
- Comfortably fits a wide range of head sizes and ideal for workers with larger ears or who wear hearing aids

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	CLASS	RATING	PACK QTY	CTN QTY
HO1035196VS	Headband	4	SLC80 24dB	1	10
HO1035203VS	Helmet Attach	4	SLC80 22dB	1	10

CLASS 4 & 5 EARMUFFS

Honeywell



1035189-VS 1035185-VS

VERISHIELD VS110D PASSIVE EARMUFF (CLASS 5)

FEATURES AND BENEFITS

- Dielectric headband, durable non-deforming plastic headband for electrical environments
- New unique memory foam that combines denser and softer foam than previous models, for greater comfort and attenuation
- Air Flow Control technology provides higher attenuation across all noise frequencies, especially in low frequencies

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	COLOUR	PACK QTY	CTN QTY
1035189-VS	Headband	Black	1	10
1035199-VS	Headband	Black	1	10
HO1035185VS	Headband	Black	1	10

Honeywell



1035191-VS 1035204-VS

VERISHIELD VS120D PASSIVE EARMUFF (CLASS 5)

FEATURES AND BENEFITS

- Dielectric headband, durable non-deforming plastic headband for electrical environments
- New unique memory foam that combines denser and softer foam than previous models, for greater comfort and attenuation
- Air Flow Control technology provides higher attenuation across all noise frequencies, especially in low frequencies

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	COLOUR	PACK QTY	CTN QTY
HO1035191VS	Headband	Black	1	10
HO1035204VS	Helmet Attach	Black	1	10

Honeywell



1035194-VS 1035205-VS

VERISHIELD VS130D PASSIVE EARMUFF (CLASS 5)

FEATURES AND BENEFITS

- Dielectric headband, durable non-deforming plastic headband for electrical environments
- New unique memory foam that combines denser and softer foam than previous models, for greater comfort and attenuation
- Air Flow Control technology provides higher attenuation across all noise frequencies, especially in low frequencies

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	COLOUR	PACK QTY	CTN QTY
1035194-VS	Headband	Black	1	10
1035188-VS	Headband	Black	1	10
HO1035205VS	Helmet Attach	Black	1	10




70251
310



RETAIL PACKS





UNCORDED FOAM EAR PLUGS (CLASS 5)

FEATURES AND BENEFITS

- SLC80 27dB (Class 5)
- Soft PU memory foam for comfort
- Hi vis colour to identify wearer compliance

STANDARDS
AS/NZS 1270:2002

CODE	COLOUR	PACK QTY	CTN QTY
FREARPLUGYY00C5	Yellow	200	2000
FREARPLUGYY0C5R	Yellow	10	320





CORDED FOAM EAR PLUGS (CLASS 5)

FEATURES AND BENEFITS

- SLC80 27dB (Class 5)
- Soft PU memory foam for comfort
- Hi vis colour to identify wearer compliance

STANDARDS
AS/NZS 1270:2002

CODE	COLOUR	PACK QTY	CTN QTY
FRPLUGCRDYY00C5	Yellow	100	1000
FRPLUGCRDYY0C5R (Retail Pack)	Yellow	5	320





PU METAL DETECTABLE EARPLUGS (CLASS 5)

FEATURES AND BENEFITS

- SLC80 27dB (Class 5)
- Easy to discernible metal detection system
- Soft PU memory foam for comfort
- Bright blue colour for easy compliance checks
- 100% PVC free

STANDARDS
AS/NZS 1270:2002

CODE	COLOUR	PACK QTY	CTN QTY
FRDTECPLGBL00C5	Blue	100	1000



SKULL SCREWS™ EARPLUGS 26dB (CLASS 5)

FEATURES AND BENEFITS

- Slow-recovery foam
- No touch insertion, perfect for wearers with dry hands
- No roll-down required
- Testable with the 3M™ E-A-Rfit™ validation system
- High attenuation, metallic look

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	COLOUR	PACK QTY	CTN QTY
P1300	Uncorded	Grey	120 Pairs	4 Boxes
P1301	Corded	Grey	120 Pairs	4 Boxes



E-A-RSOFT™ FX UNCORDED EARPLUGS 26dB (CLASS 5)

FEATURES AND BENEFITS

- Slow-recovery foam
- Soft, pliable foam offers dependable protection and comfort
- Easy removal (bell shape)
- Testable with the 3M™ E-A-Rfit™ validation system

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	COLOUR	PACK QTY	CTN QTY
312-1261	Uncorded	Yellow	200 Pairs	10 Boxes



E-A-R™ CLASSIC EARPLUGS 23dB (CLASS 4)

FEATURES AND BENEFITS

- Pillow pack, uncorded
- Moisture resistant
- Proprietary soft energy absorbing polymer foam
- Platinum is 7% smaller than Classic
- Firm material with slow recovery time helps achieve good fit
- Testable with the 3M™ E-A-Rfit™ validation system

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	COLOUR	PACK QTY	CTN QTY
3M3121201	Pillow Pack, Uncorded	Yellow	200 Pairs	10 Boxes
310-4002	Platimum (Small) Pillow Pack, Uncorded	Yellow	200 Pairs	10 Boxes
3M393200750	Classic Platinum (Small) Probed Validation Disposable Test Plug	Yellow	50 Pairs	



E-A-R™ PUSH-INS™ CORDED EARPLUGS 23dB (CLASS 4)

FEATURES AND BENEFITS

- E-A-Rform™ foam tip
- Heat activated foam molds foam to the ear canal
- No roll-down required
- Testable with the 3M™ E-A-Rfit™ validation system

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	COLOUR	PACK QTY	CTN QTY
318-1003*	Corded	Yellow/Blue	200 Pairs	10 Boxes

*To be replaced by 318-1001



E-A-RSOFT™ SUPERFIT REGULAR CORDED EARPLUGS 24dB (CLASS 4)

FEATURES AND BENEFITS

- Slow-recovery foam
- Red line provides a visible indication of correct fit
- Tapered design provides high protection levels
- Testable with the 3M™ E-A-Rfit™ validation system

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	COLOUR	PACK QTY	CTN QTY
311-1254	Corded	Yellow/Orange	200 Pairs	10 Boxes



E-A-RSOFT™ YELLOW NEONS UNCORDED EARPLUGS 23dB (CLASS 4)

FEATURES AND BENEFITS

- Slow-recovery foam
- Testable with the 3M™ E-A-Rfit™ validation system
- Two sizes available

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	COLOUR	PACK QTY	CTN QTY
312-1250-B	Uncorded	Yellow Neon	200 Pairs	10 Boxes

REUSABLE



E-A-R™ ULTRAFIT™ CORDED EARPLUGS 18dB (CLASS 3)

FEATURES AND BENEFITS

- Premoulding delivers performance in a variety of work environments
- Reusable triple flange design ensures high protection levels
- Soft polymer is washable and reusable, reducing both waste and costs
- Testable with the 3M™ E-A-Rfit™ validation system

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	COLOUR	PACK QTY	CTN QTY
340-4002	Corded (case)	Yellow/Blue	200 Pairs	4 Boxes
340-4004	Corded (polybag)	Yellow/Blue	100 Pairs	4 Boxes



E-A-R™ EXPRESS POD-PLUGS 19dB (CLASS 3)

FEATURES AND BENEFITS

- Slow-recovery foam
- No roll-down required
- Testable with the 3M™ E-A-Rfit™ validation system

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	COLOUR	PACK QTY	CTN QTY
321-2115	Corded	Yellow	100 Pairs	4 Boxes
321-3200	Uncorded	Yellow	100 Pairs	4 Boxes



Honeywell



MAXIMUM EARPLUGS SLC80 26dB

FEATURES AND BENEFITS

- The world's most used polyurethane foam earplug
- Improved shape for easy insertion and a better fit
- Bell shape for maximum in-ear comfort
- Smooth, soil-resistant skin prevent dirt build-up

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	COLOUR	PACK QTY	CTN QTY
MAX-1BOX	Uncorded	Red	200 Pairs	10 Boxes
H-MAX-30	Polycord	Red	100 Pairs	10 Boxes
MAX-1-D	Uncorded	Red	500 Pairs	4 Boxes

Honeywell



MAXIMUM LITE EARPLUGS SLC80 30dB

FEATURES AND BENEFITS

- Ideal size for people with smaller ear canals
- Low-density foam expands gently for ultra-comfortable long-term wear
- Contoured T-shape for easy handling and fit
- Smooth, soil-resistant skin prevents dirt build-up

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	COLOUR	PACK QTY	CTN QTY
H-LPF-1	Uncorded	Green	200 Pairs	10 Boxes
H-LPF-30	Polycord	Green	100 Pairs	10 Boxes
LPF-1-D	Uncorded	Green	500 Pairs	4 Boxes

Honeywell



LASER LITE SINGLE USE EARPLUGS SLC80 25dB

FEATURES AND BENEFITS

- Bright colours make the Laser Lite earplugs visible and appealing
- The foam expands to mould to the shape of virtually every ear
- Contoured T-shape for easy insertion and removal
- Smooth, soil-resistant skin prevents dirt build-up

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	COLOUR	PACK QTY	CTN QTY
LL-1-B	Uncorded	Yellow/Red	200 Pairs	10 Boxes
LL-30	Corded	Yellow/Red	100 Pairs	10 Boxes
LL-1-D	Uncorded	Yellow/Red	500 Pairs	4 Boxes

Honeywell



X-TREME™ DISPOSABLE EARPLUGS SLC80 32dB

FEATURES AND BENEFITS

- Comfortable earplug with high SLC80 ratings
- Brightly coloured offering high visibility and worker compliance
- Smooth tapered shape for easy insertion and removal
- Corded version helps to guard against the earplugs falling onto the floor

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	COLOUR	PACK QTY	CTN QTY
1006716	Uncorded	Red	200 Pairs	10 Boxes
1006717	Corded	Red	100 Pairs	10 Boxes

MOLDEX



SPARKPLUG™ UNCORDED EARPLUGS SLC80 29dB

FEATURES AND BENEFITS

- Extra soft, low pressure foam for comfortable fit
- Tapered shape for easy insertion and removal - fits small ear canals
- Non-irritating smooth surface
- 100% PVC-Free

STANDARDS
AS/NZS 1270:2002

CODE	COLOUR	PACK QTY	CTN QTY
6604	Multi	200	10 Boxes

MOLDEX



SPARKPLUG™ CORDED EARPLUGS SLC80 29dB

FEATURES AND BENEFITS

- Extra soft, low pressure foam for comfortable fit
- Tapered shape for easy insertion and removal - fit small ear canals
- Non-irritating smooth surface
- 100% PVC free

STANDARDS
AS/NZS 1270:2002

CODE	COLOUR	PACK QTY	CTN QTY
6654	Multi	100	20

MOLDEX



PLUGSTATION™ WITH SPARKPLUGS™ 500 PAIRS UNCORDED SLC80 29dB

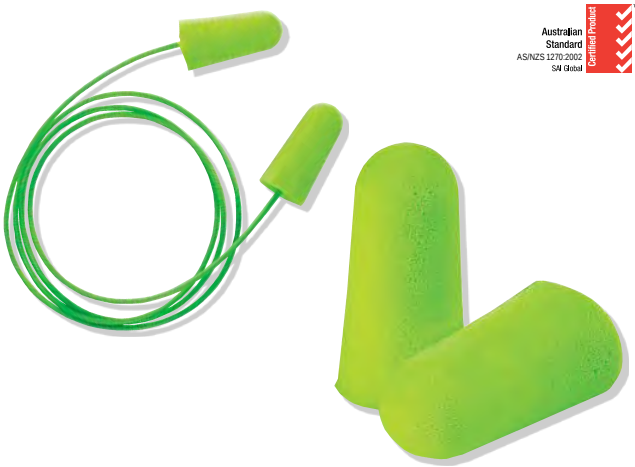
FEATURES AND BENEFITS

- High visibility PlugStation™
- Increased compliance and less waste
- Dispenses SparkPlugs™
- Mounts to wall or stands as table-top dispenser with balanced footing

STANDARDS
AS/NZS 1270:2002

CODE	COLOUR	PACK QTY	CTN QTY
6645	Multi	500/Dispenser	4

MOLDEX



PURAFIT EARPLUGS SLC80 26dB

FEATURES AND BENEFITS

- Extra soft foam for maximum comfort
- Longer length for easy fitting and removal
- Non-irritating smooth surface
- Available in uncorded and corded styles

STANDARDS
AS/NZS 1270:2002

CODE	STYLE	COLOUR	PACK QTY	CTN QTY
6800	Uncorded	Fluro Green	200 Pairs	10 Boxes
6900	Corded	Fluro Green	100 Pairs	20 Boxes

CLASS 4 & 5 ELECTRONIC EARMUFFS



3M™ PELTOR™ PROTAC III MT13H220P3E SLIM HEADSET, HELMET ATTACHED, 24 dB (CLASS 4)

FEATURES AND BENEFITS

- Built-in level-dependent function allows the wearer to hear ambient sounds, such as conversations, machine sounds and warning signals
- 3.5 mm listen-only stereo input (limited to 82 dB) for connection to external devices (e.g. mobile phone, radio, two-way radio and iPod)
- Voice-guided menu system avoids the need to remove the headset for setting changes

STANDARDS
AS/NZS 1270:2002

CODE	COLOUR	PACK QTY	CTN QTY
3MMT13H220P3E	Black	1	10



3M™ PELTOR™ PROTAC III MT13H221P3E HEADSET, HELMET ATTACHED, 30 dB (CLASS 5)

FEATURES AND BENEFITS

- Built-in level-dependent function allows the wearer to hear ambient sounds, such as conversations, machine sounds and warning signals
- 3.5 mm listen-only stereo input (limited to 82 dB) for connection to external devices (e.g. mobile phone, radio, two-way radio and iPod)
- Voice-guided menu system avoids the need to remove the headset for setting changes

STANDARDS
AS/NZS 1270:2002

CODE	COLOUR	PACK QTY	CTN QTY
3MMT13H221P3E	Black	1	10



3M™ PELTOR™ PROTAC III MT13H220A SLIM HEADBAND HEADSET, 26 dB (CLASS 5)

FEATURES AND BENEFITS

- Built-in level-dependent function allows the wearer to hear ambient sounds, such as conversations, machine sounds and warning signals
- 3.5 mm listen-only stereo input (limited to 82 dB) for connection to external devices (e.g. mobile phone, radio, two-way radio and iPod)
- Voice-guided menu system avoids the need to remove the headset for setting changes

STANDARDS
AS/NZS 1270:2002

CODE	COLOUR	PACK QTY	CTN QTY
3MMT13H220A	Black	1	10



3M™ PELTOR™ PROTAC III MT13H221A HEADBAND HEADSET, 32 dB (CLASS 5)

FEATURES AND BENEFITS

- Built-in level-dependent function allows the wearer to hear ambient sounds, such as conversations, machine sounds and warning signals
- 3.5 mm listen-only stereo input (limited to 82 dB) for connection to external devices (e.g. mobile phone, radio, two-way radio and iPod)
- Voice-guided menu system avoids the need to remove the headset for setting changes

STANDARDS
AS/NZS 1270:2002

CODE	COLOUR	PACK QTY	CTN QTY
3MMT13H221A	Black	1	10



3M™ PELTOR™ CH-3 FLX2 LISTEN ONLY HEARING PROTECTOR HT52A-112, HEADBAND, 31 dB (CLASS 5)

FEATURES AND BENEFITS

- Protective solution for clear communication in noisy environments
- Uses the speech frequency-optimised CH-3 speaker system for clear audio reception in noisy environments
- FLX2 connection jack allows for easy and reliable connection to a wide assortment of handheld devices
- -112 FLX2 Cables ONLY

STANDARDS
AS/NZS 1270:2002

CODE	COLOUR	PACK QTY	CTN QTY
3MCH3HT52A112	Bright Yellow	1	N/A



3M™ PELTOR™ CH-3 FLX2 LISTEN ONLY HEARING PROTECTOR HT52B-112, NECKBAND, 30 dB (CLASS 5)

FEATURES AND BENEFITS

- Protective solution for clear communication in noisy environments
- Uses the speech frequency-optimised CH-3 speaker system for clear audio reception in noisy environments
- FLX2 connection jack allows for easy and reliable connection to a wide assortment of handheld devices
- -112 FLX2 Cables ONLY

STANDARDS
AS/NZS 1270:2002

CODE	COLOUR	PACK QTY	CTN QTY
3MCH3HT52B112	Bright Yellow	1	N/A



3M™ PELTOR™ CH-3 FLX2 LISTEN ONLY HEARING PROTECTOR HT52P3E-112, HELMET ATTACHED, 29 dB (CLASS 5)

FEATURES AND BENEFITS

- Protective solution for clear communication in noisy environments
- Uses the speech frequency-optimised CH-3 speaker system for clear audio reception in noisy environments
- FLX2 connection jack allows for easy and reliable connection to a wide assortment of handheld devices
- -112 FLX2 Cables ONLY

STANDARDS
AS/NZS 1270:2002

CODE	COLOUR	PACK QTY	CTN QTY
3MCH3HT52P3E112	Bright Yellow	1	N/A



3M™ PELTOR™ CH-3 HEADSET WITH PTT MT74H52A-111 HEADBAND, FLX2, 31 dB (CLASS 5)

FEATURES AND BENEFITS

- Protective solution for clear communication in noisy environments
- Uses the speech frequency-optimised CH-3 speaker system for clear audio reception in noisy environments
- FLX2 connection jack allows for easy and reliable connection to a wide assortment of handheld devices
- -111 FLX2 Cables ONLY

STANDARDS
AS/NZS 1270:2002

CODE	COLOUR	PACK QTY	CTN QTY
3MCH3MT74H52A111	Bright Yellow	1	10

CLASS 4 & 5 ELECTRONIC EARMUFFS



3M™ PELTOR™ CH-3 HEADSET WITH PTT MT74H52B-111 NECKBAND, FLX2, 30 dB (CLASS 5)

FEATURES AND BENEFITS

- Protective solution for clear communication in noisy environments
- Uses the speech frequency-optimised CH-3 speaker system for clear audio reception in noisy environments
- FLX2 connection jack allows for easy and reliable connection to a wide assortment of handheld devices
- -111 FLX2 Cables ONLY

STANDARDS
AS/NZS 1270:2002

CODE	COLOUR	PACK QTY	CTN QTY
3MMT74H52B111	Bright Yellow	1	10



3M™ PELTOR™ CH-3 HEADSET WITH PTT MT74H52P3E-111, HELMET ATTACHED, FLX2, 29 dB (CLASS 5)

FEATURES AND BENEFITS

- Protective solution for clear communication in noisy environments
- Uses the speech frequency-optimised CH-3 speaker system for clear audio reception in noisy environments
- FLX2 connection jack allows for easy and reliable connection to a wide assortment of handheld devices
- -111 FLX2 Cables ONLY

STANDARDS
AS/NZS 1270:2002

CODE	COLOUR	PACK QTY	CTN QTY
3MMT74H52P3E-111	Bright Yellow	1	N/A



3M™ PELTOR™ WS™ PROTAC XPI MT15H7AWS6 HEADSET, HEADBAND, 32 dB (CLASS 5)

FEATURES AND BENEFITS

- Protective communication solution for hands-free, clear communication in noisy environments
- Helps provide hearing protection when exposed to hazardous noise
- Bluetooth® multipoint technology for simultaneous, wireless connection to two devices
- No FLX2 Cable Option

STANDARDS
AS/NZS 1270:2002

CODE	COLOUR	PACK QTY	CTN QTY
3MMT15H7AWS6	Black	1	10



3M™ PELTOR™ WS™ PROTAC XPI MT15H7P3EWS6 HEADSET, HELMET ATTACHED, 27 dB (CLASS 5)

FEATURES AND BENEFITS

- Protective communication solution for hands-free, clear communication in noisy environments
- Helps provide hearing protection when exposed to hazardous noise
- Bluetooth® multipoint technology for simultaneous, wireless connection to two devices
- No FLX2 Cable Option

STANDARDS
AS/NZS 1270:2002

CODE	COLOUR	PACK QTY	CTN QTY
3MMT15H7P3EWS6	Bright Yellow	1	10



3M™ PELTOR™ WS™ PROTAC XPI MT15H7AWS6-111 HEADBAND HEADSET, FLX2, 32 dB (CLASS 5)

FEATURES AND BENEFITS

- Protective communication solution for hands-free, clear communication in noisy environments
- Helps provide hearing protection when exposed to hazardous noise
- Bluetooth® multipoint technology for simultaneous, wireless connection to two devices
- -111 FLX2 Cables ONLY

STANDARDS
AS/NZS 1270:2002

CODE	COLOUR	PACK QTY	CTN QTY
3MMT15H7AWS6111	Bright Yellow	1	10



3M™ PELTOR™ WS™ PROTAC XPI MT15H7BWS6-111 NECKBAND HEADSET, FLX2, 29 dB (CLASS 5)

FEATURES AND BENEFITS

- Protective communication solution for hands-free, clear communication in noisy environments
- Helps provide hearing protection when exposed to hazardous noise
- Bluetooth® multipoint technology for simultaneous, wireless connection to two devices
- -111 FLX2 Cables ONLY

STANDARDS
AS/NZS 1270:2002

CODE	COLOUR	PACK QTY	CTN QTY
3MMT15H7BWS6111	Bright Yellow	1	10



3M™ PELTOR™ WS™ PROTAC XPI MT15H7P3EWS6-111 HEADSET, HARD HAT ATTACHED, FLX2, 27 dB (CLASS 5)

FEATURES AND BENEFITS

- Protective communication solution for hands-free, clear communication in noisy environments
- Helps provide hearing protection when exposed to hazardous noise
- Bluetooth® multipoint technology for simultaneous, wireless connection to two devices
- -111 FLX2 Cables ONLY

STANDARDS
AS/NZS 1270:2002

CODE	COLOUR	PACK QTY	CTN QTY
3MT15H7P3EWS6111	Bright Yellow	1	10



3M™ PELTOR™ WS™ LITECOM PLUS LPD 433MHZ WITH BLUETOOTH

FEATURES AND BENEFITS

- Helps provide hearing protection
- Range of up to 2km depending on conditions
- Bluetooth® connection

STANDARDS
AS/NZS 1270:2002

CODE	DESCRIPTION	CLASS	RATING	PACK QTY	CTN QTY
3MMT73H7A4310WS6	Headband	5	SLC80 32dB	1	5
3MMT73H7B4310WS6	Neckband	5	SLC80 30dB	1	5
3MMT73H7P3	Helmet Attach	5	SLC80 29dB	1	5

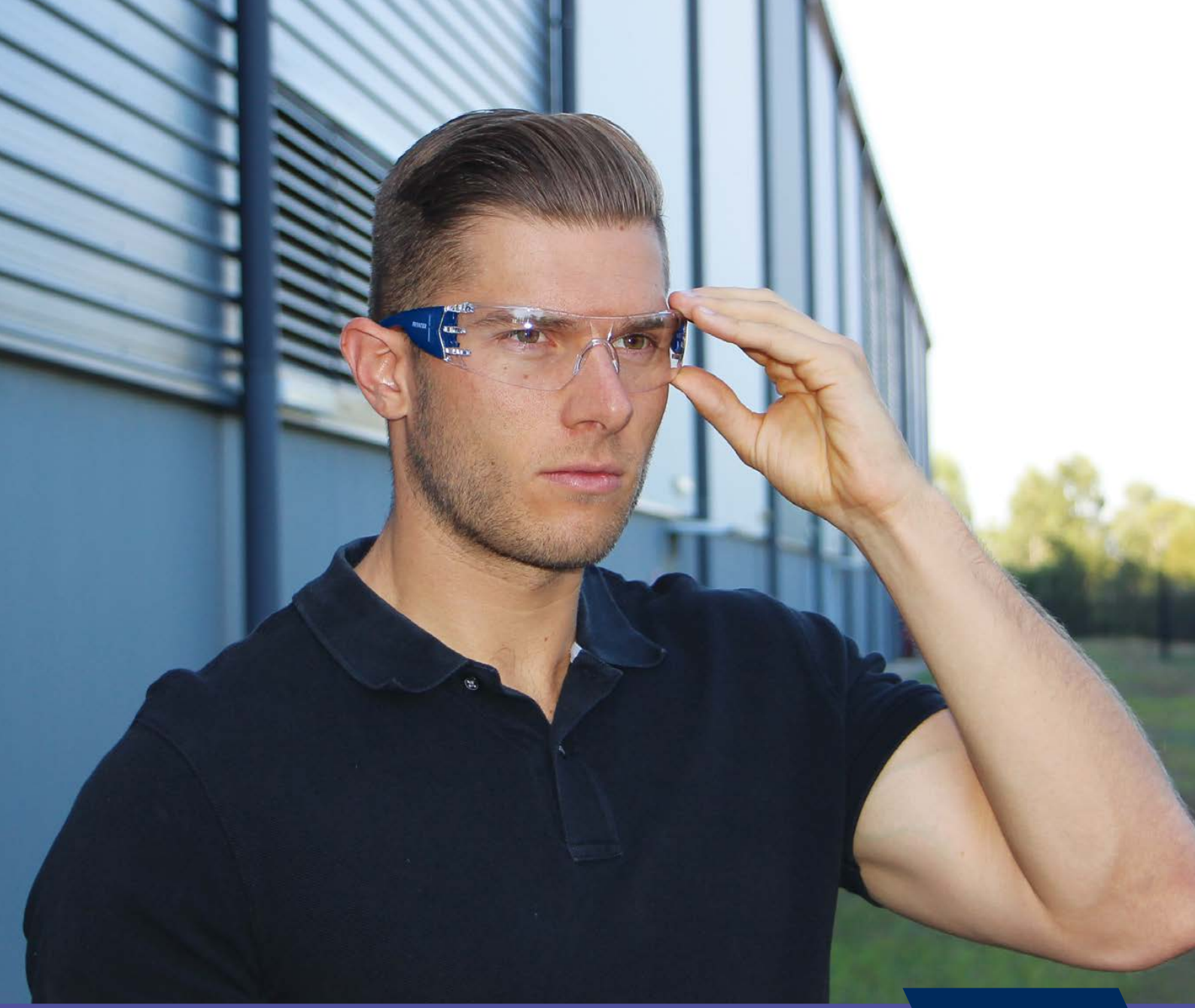
3M PELTOR®

3M™ PELTOR™ FLX2 COILED PU CABLES (KEVLAR® REINFORCED)

CODE	DESCRIPTION	PACK QTY	CTN QTY	HEADSET MODEL	
UU009731140	3M™ PELTOR™ FLX2 Cable J11, FLX2-200	1	120	-110	
UU010325718	3M™ PELTOR™ FLX2 Airline Cable FLX2-201	1	200	-110	N/A
UU010126348	3M™ PELTOR™ FLX2 Cable FLX2-111, Hytera PD7 Series	1	120	-111	
UU010124293	3M™ PELTOR™ FLX2 Cable FLX2-35, Icom 2-Pin Angled	1	120	-111	
UU010124301	3M™ PELTOR™ FLX2 Cable FLX2-44, Icom Multipin S8	1	120	-111	
UU010126330	3M™ PELTOR™ FLX2 Cable FLX2-64, Icom F34/F44	1	120	-111	
UU010054110	3M™ PELTOR™ FLX2 Cable FLX2-36, Kenwood 2-Pin	1	N/A	-111	
UU009731132	3M™ PELTOR™ FLX2 Cable Kenwood Multipin, FLX2-107	1	120	-111	
UU009898113	3M™ PELTOR™ FLX2 Cable FLX2-21, Motorola CP200/2-Pin	1	N/A	-111	
UU009879477	3M™ PELTOR™ FLX2 Cable FLX2-32, Motorola HT Series	1	N/A	-111	
UU010126322	3M™ PELTOR™ FLX2 Cable FLX2-65, Motorola ex500/ex600	1	N/A	-111	
UU010126314	3M™ PELTOR™ FLX2 Cable FLX2-18, Motorola XTS Series	1	120	-111	
UU009731124	3M™ PELTOR™ FLX2 Cable Motorola DP4000, FLX2-63	1	120	-111	
UU010123584	3M™ PELTOR™ FLX2 Cable FLX2-101, Sepura 800/900 Series	1	200	-111	
UU009898071	3M™ PELTOR™ FLX2 Cable FLX2-28, Mobile/DECT Phone	1	120	-111	
UU010902672	3M™ PELTOR™ FLX2 Cable FLX2-69, Motorola M9 Plug	1	120	-111	
UU009898089	3M™ PELTOR™ FLX2 Cable FLX2-202, 3.5mm Stereo	1	200	-112	
UU009731157	3M™ PELTOR™ FLX2 Cable 2,5mm Mono Ex Approved, FLX2-203-50	1	120	-112	
UU009898097	3M™ PELTOR™ FLX2 Cable FLX2-204, 1/4" Stereo	1	200	-112	
UU009731165	3M™ PELTOR™ FLX2 Cable 3,5mm Mono Ex Approved, FLX2-205-50	1	1	-112	







EYE PROTECTION 1

MACK EYE PROTECTION	58-60
FRONTIER EYE PROTECTION	61-62
BOLLÉ EYE PROTECTION	65-69
UVEX EYE PROTECTION	70-76

OUR COMPREHENSIVE EYE PROTECTION RANGE OFFERS OUR CUSTOMERS THE LATEST STYLES

along with the highest level of protection for wearers.
Our entire range is compliant with AS/NZ 1337:1:2010.

Australian Standard AS/NZS 1337.1:2010 SAI Global Certified Product

EYE PROTECTION

EYE INJURY AND DAMAGE IS A REAL AND ALL TOO COMMON WORKPLACE RISK, PARTICULARLY IN INDUSTRIAL ENVIRONMENTS WHERE THE INSTANCE OF CHEMICAL SPLASH, FLYING DEBRIS, PROTRUDING OBJECTS OR WORKPLACE MISADVENTURE IS RELATIVELY HIGH.

Eye strain and ocular damage from ultraviolet (UV) radiation is also of significant concern, and as a result a minimum of 99% protection against harmful UV radiation should be worn.

Selection of 'fit for purpose' eyewear with the correct type of lens is based upon the employers' workplace assessment.

Our safety eyewear offering includes a comprehensive range of frame styles, lens shapes and coatings that mitigate risk and increase safety in most work application areas. All safety eyewear products we sell are manufactured and certified to the most recent Australian Standards AS/NZS 1337 and comply with all identity marking requirements.

OCCUPATIONAL HAZARDS

Eye injuries, whatever the source, can result in anything from simple irritation to total blindness.

HAZARD	TASK	
MECHANICAL Foreign objects (dust and solids), impact of flying fragment, solid particles	Chipping, drilling, grinding, riveting, crushing, woodworking, masonry & general dusty conditions	
THERMAL Hot Liquids splash, flame, extreme cold	Fire department & emergency services	
OPTICAL RADIATION Glare/Visible light	Working outdoors in bright sun & driving	
OPTICAL RADIATION - UV Ultraviolet, infrared, visible light, laser	Electric arc welding, gas welding, cutting, torch brazing	
HEAT - IR Hot sparks, molten, metal	Electric arc welding, furnace operations, pouring, casting	
ELECTRICAL Direct contact, electric arcs caused by short circuits	Working on power distribution plants & electrical work	
CHEMICAL Splash and irritating mists, acids, lyes	Acid and chemical handling, degreasing, plating, pouring & spraying	
BIOLOGICAL Bacteria, viruses and spores	Healthcare industry, labs & pandemic	

EYE PROTECTION STANDARDS

The Australian Eye Protection Standard considers the risks of injury and provides guidelines to mitigate against them. Selecting the wrong type of safety glasses or goggles in handling the application hazard can have serious consequences. It is important to consider possible risks including velocity, size and the nature of the hazard when evaluating the right eyewear. The Standards for protective eyewear provides an excellent source of information and assistance.

AS/NZS 1336:1997 RECOMMENDED PRACTICES FOR OCCUPATIONAL EYE PROTECTION

This Standard sets out recommended practices for the protection of the eyes of persons at work, against hazards such as flying particulates, dust, splashing materials and molten metals, harmful gases, vapours and aerosols, high-intensity radiation generated during welding operations and furnace work. Guidance is given on the selection of eye protectors appropriate to the use of particular lasers. Additional guidance is provided for manufacturers and dispensers of prescription lenses on the requirements for production of prescription personal eye protectors.

AS/NZS 1337.1:2010 PERSONAL EYE PROTECTION

– Eye and face protectors for occupational applications

*PLEASE NOTE: This new Standard supersedes the previous Standard AS/NZS 1337:1992

This Standard specifies minimum requirements for non-prescription eye and face protectors and associated oculars. They are designed to provide protection for the eyes and faces of persons against common occupational hazards such as flying particles and fragments, dusts, splashing materials and molten metals, harmful gases, vapours and aerosols. Requirements for optical qualities and low, medium, high and very high impact resistance are given and appendices describing appropriate test methods are included in this Standard. Requirements for prescription-eye protectors against low and medium impact are given in AS/NZS 1337.6. Requirements for eye protectors against laser radiation are given in AS/NZS 1337, Parts 4 and 5.

The aim of this Standard is to assist in the provision of safe, efficient and comfortable vision in the occupational situation, including consideration of the need for protection against sun glare and optical radiation in the natural environment. The Standard does not apply to filter oculars for protection against optical radiations generated by industrial processes, which are dealt with in AS/NZS 1338.

AS/NZS 1338.1:1992 FILTERS FOR EYE PROTECTORS

- Filters for protection against radiation generated in welding and allied operations

AS/NZS 1338.2:1992 FILTERS FOR EYE PROTECTORS

- Filters for protection against ultraviolet radiation

AS/NZS 1338.3:1992 FILTERS FOR EYE PROTECTORS

- Filters for protection against infra-red radiation

IMPACT PROTECTION RATING

Impact protection is described as metres per second at which a particulate travels as described by Standard AS/NZS 1337.1:2010.

LOW IMPACT - Tested front on at 12m/sec

MEDIUM IMPACT - Tested front on, as well as side-on at 45m/sec

HIGH IMPACT - Tested front on, as well as side-on at 120m/sec

VERY HIGH IMPACT - Tested front on, as well as side-on at 190m/sec

WAVELENGTHS AND UV LIGHT

We receive wavelengths through two organs; we see light through our eyes and we capture sound through our ears. From radio waves to gamma rays, wavelengths gradually constrict, causing their frequency to increase and making them consume more and more energy. Hence, waves gradually increase in intensity and therefore are more dangerous for the eyes.

The sun emits three types of light waves and without the correct eye protection each in its own way can seriously affect the eye.

ULTRAVIOLET LIGHT RAYS:

5% of the sun's energy reaches the earth in this form. UV rays (invisible "tanning" rays) can cause serious damage to the unprotected eye including the development of cataracts and corneal blistering.

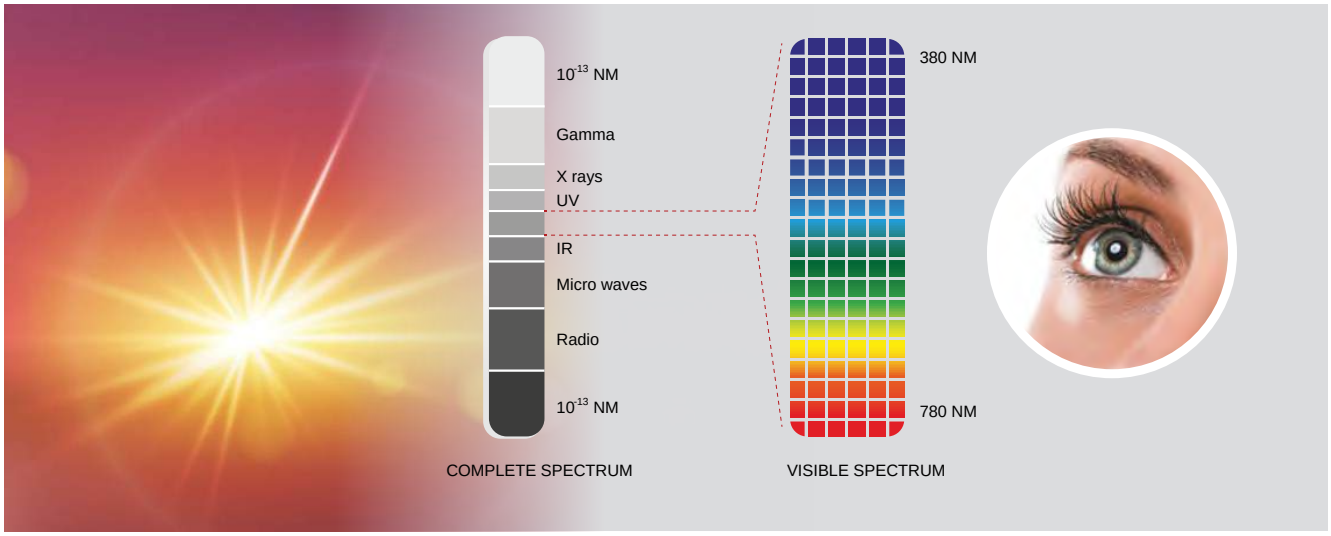
INFRARED LIGHT RAYS:

50% of the sun's energy reaches the earth as heat or infrared. Some IR rays will be absorbed by the cornea creating a drying effect – an issue of importance to contact lens wearers.

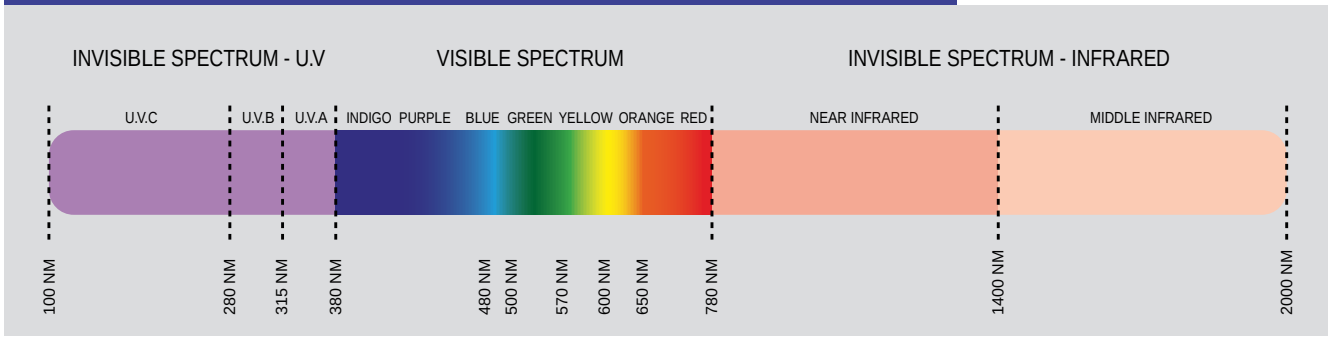
VISIBLE LIGHT RAYS:

45% of the sun's energy reaches the earth in what the eye perceives as colour. Blue light waves are the most difficult to see. When the unprotected eye strains to focus on it, all other colours can be distorted. After two to three hours in bright sunlight, eyes can have trouble adjusting to night vision.

The human eye is not able to identify the various elements of a ray – it only sees the results, which are a function of the different wavelengths and their respective light intensity. The human eye can only see wavelengths within the "visible spectrum" (between 380 and 780 nanometres).



CONSEQUENCES OF VISIBLE U.V AND I.R RADIATION ON THE EYE



	UVC 100 - 280 nm	UVB 280 - 315 nm	UVA 315-380 nm	BLUE LIGHT 380 - 480 nm	VISIBLE LIGHT 380 - 780 nm	NEAR IR 780 - 1400 nm	MIDDLE IR 1400 - 2000 nm
CORNEA	Conjunctivitis Partial blindness	Conjunctivitis Partial blindness	Conjunctivitis Partial blindness				
LENS	Conjunctivitis	Cataract Premature ageing	Cataract Premature ageing			Cataract	Conjunctivitis Partial blindness
RETINA	Conjunctivitis			Partial blindness Photoretinitis	Vision problems Discontinuous vision	Retinitis pigmentosa	

LENS TYPES AND POLARISATION

POLARISED		
	GREEN	An injection moulded lens, grey/green in colour, providing the ultimate in 'comfort' vision, soothing the eyes against harsh glare and bright sun. It also provides excellent depth and colour perception.
	GREY	An injection moulded lens, grey in colour, providing the ultimate in 'comfort' vision, soothing the eyes against harsh glare and bright sun. It also provides excellent depth and colour perception.
LENS SHADES		
	CLEAR	Approved for use indoors.
	AMBER	A high definition lens designed for use in low light situations. Approved for use indoors.
	SMOKE	Excellent protection against damaging UV rays and glare.
	BROWN	A neutral density brown lens that provides true colour definition by fighting glare and enhancing colour contrast.
MIRROR (FLASH) SHADES		
	SMOKE/ SILVER MIRROR 14%	Ideal for everyday, all purpose outdoor wear. Neutral density grey lens with metallic silver mirror finish designed to reflect harmful solar rays before they enter the lens. Provides true colour definition.
	LIGHT SMOKE /SILVER MIRROR 29%	For everyday, all purpose outdoor wear. Medium tint clear lens. Silver metallic finish.
	BLUE MIRROR 15%	Ideal for everyday, all purpose outdoor wear. Neutral density blue lens with metallic silver mirror finish designed to reflect harmful solar rays before they enter the lens. Provides true colour definition.

EYEWEAR MARKINGS

AS/NZS MARKINGS	DEFINITION
I	Medium impact
C	Splashproof
D	Dustproof
G	Gastight
H	High temperature
O	Outdoor use, untinted

Any certified safety eyewear product sold in Australia must carry markings either etched or impressed into the frame and lenses indicating the relevant approval. For a single lens product (like a goggle or eye shield) the markings need only appear once. On a dual lens spectacle, the markings must be on each lens.

OCULAR CATEGORIES

CATEGORY	LENS
O	Clear/Leans
1	Limited sun glare reduction and UV protection. Not suitable for driving at night. Visible light transmittance of 43% - 80%
2	Sun glare reduction and good UV protection. Visible light transmittance of 18% - 43%
3	High sun glare protection and good UV protection. Visible light transmittance of 8% - 18%
Photo-Chromatic	Lens adapts to the UV light intensity, darkening automatically in sunlight, then fading back indoors. Lens colours will shift the ocular category between 0 – 3.



FITTING & MAINTENANCE TIPS

- Protective eyewear should completely cover the wearer's eyes, without lateral gaps.
- Damaged eyewear should be replaced immediately.
- Nose pads, if available, should be properly adjusted to ensure a snug, comfortable fit.
- Eyewear should be cleaned regularly with lens cleaner. Some cleaning products can remove lens coating e.g. anti-fog.
- Temple arms, if available, should be adjusted to a length appropriate to the wearer.
- Eyewear should be stored correctly to prevent scratches and other damage.



BOOMERANG



PPE CLEANING WIPES

FEATURES AND BENEFITS

- Anti-fog pre moistened cleaning wipes
- Streak-free
- Suitable for respirator and earmuff hygiene
- Individually wrapped and sealed for convenience
- Non woven, biodegradable tissue

CODE	DESCRIPTION	COLOUR	UOM
CWSPCWIPE000300	300 Sachets per box	White	300/Box



FENDER

FEATURES AND BENEFITS

- Ultra lightweight frame - only 23g
- Soft TPR padded arms for superior comfort
- 99% UV protection
- 9.5 base curve lens for supreme wraparound protection
- Adjustable nose bridge
- Anti-fog coating for use in humid environments (except blue mirror)
- Anti-scratch coating to reduce marking and dirt build up
- Available in small and standard size

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	SIZE	PACK QTY MOQ	CARTON QTY
MKFENDERCR00ST	Clear	Standard	12	144
MKFENDERSM00ST	Smoke	Standard	12	144
MKFENDERA200ST	Amber	Standard	12	144
MKFENDERBL00ST	Blue Mirror	Standard	12	144
MKFENDERCR00SM	Clear	Small	12	144
MKFENDERSM00SM	Smoke	Small	12	144
MKFENDERA200SM	Amber	Small	12	144
MKFENDERBL00SM	Blue Mirror	Small	12	144



FENDER GASKET

FEATURES AND BENEFITS

- Anti-fog and Anti-scratch
- 99% UV protection
- 9.5 base curve lens for supreme wraparound protection
- Clip on foam gasket
- Adjustable nose bridge
- Ultra lightweight frame
- Soft TPR padded arms for superior comfort

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	SIZE	PACK QTY MOQ	CARTON QTY
MKFENDERCR00ST	Clear	Standard	12	144
MKFENDERSM00ST	Smoke	Standard	12	144
MKFENDERA200ST	Amber	Standard	12	144
MKFENDERBL00ST	Blue Mirror	Standard	12	144
MKFENDERCR00SM	Clear	Standard	12	144
MKFENDERSM00SM	Smoke	Standard	12	144
MKFENDERA200SM	Amber	Standard	12	144
MKFENDERBL00SM	Blue Mirror	Standard	12	144



MONTEREY PHOTOCHROMATIC

FEATURES AND BENEFITS

- Variable tint - automatic protection that is convenient and effortless
- Offers the right tint at the right time in changing light
- Block 100& UVA and UVB harmful rays
- Performs well in hot climates
- Reduces painful discomforting glare
- Reduces eye fatigue
- Improves contrast
- Virtually as clear as regular hard coated lenses
- Fast to activate - 18 sec
- Wearer does not need a separate pair of sun glasses

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
MKMNTEREYPC0000	Photochromatic Grey	12	240



MONTEREY POLARISED

FEATURES AND BENEFITS

- Polarised lenses completely eliminates glare
- Anti-scratch coated lenses
- Blocks 100% UVA and UVB harmful rays
- Reduces eye fatigue
- Improved contrast and general vision

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
MKMNTEREYBR00PZ	Polarized Green	12	120
MKMNTEREYPB3R00	Polarised Smoke Retail Pack	1	125



DUO

FEATURES AND BENEFITS

- Anti-scratch coating to reduce marking and dirt build up
- Superior anti-fog coating for use in humid environments
- 99% UV protection
- Padded side arms for extra comfort around the temple
- Removable/adjustable nose pads for comfort and reduce slipping
- Ultra lightweight 25gm
- Mining and food safe with no metal parts

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
MKDUOSPECBR0000	Brown	12	144
MKDUOSPECSM0000	Smoke	12	144



FLYER

FEATURES AND BENEFITS

- Anti-scratch coating to reduce marking and dirt build up
- 99% UV protection
- Polarised lens

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
MKFLYER00BK0000	Polar Grey	12	144



B-DOUBLE

FEATURES AND BENEFITS

- Anti-scratch coating to reduce marking and dirt build up
- Medium impact protection with shatterproof lens
- 99% UV protection
- Polarised outdoor smoke and brown lens for ultimate glare protection and clarity
- Soft TPR nose bridge and side arms for comfort

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
MKBDOUBLESM0000	Smoke	12	120



LONGHAUL

FEATURES AND BENEFITS

- Polarised lenses completely eliminates glare
- Anti-scratch coated lenses
- Blocks 100% UVA and UVB harmful rays
- Reduces eye fatigue
- Improved contrast and general vision

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
MKLNGHAULBR0000	Brown	12	120

SAFETY GLASSES



PILBARA

FEATURES AND BENEFITS

- Anti-scratch coating to reduce marking and dirt build up
- Anti-fog coating for use in humid environments
- Medium impact protection with shatterproof lens
- 99% UV protection
- Clear lens with anti-glare mirror finish
- Ratchet adjustable side arms for fit and comfort
- EVA positive face seal to protect from dust and particles

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
MKPILBARASM0000	Smoke	12	240
MKPILBARACR0000	Clear	12	240



VX2

FEATURES AND BENEFITS

- Anti-scratch coating to reduce marking and dirt build up
- Anti-fog coating for use in humid environments (except mirror lens)
- Medium impact protection with shatterproof lens
- 99% UV protection
- Mining and food safe with no metal parts
- Soft flexible nose bridge for comfort
- Crystal clear vented side arms

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
MKVX2PC0CM0000	Clear Mirror	12	120
MKVX2PC0CR0000	Clear	12	120
MKVX2PCGSM0000	Smoke	12	120
MKVX2PCLBR0000	Brown	12	120



HAZZARD

FEATURES AND BENEFITS

- Anti-scratch coating to reduce marking and dirt build up
- Medium impact protection with shatterproof lens
- 99% UV protection
- Green mirror lens
- Wrap around sport design with increased side protection
- Soft TPR nose bridge and side arms for comfort

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
MKHAZZARDGM0000	Green Mirror	12	120



CONVOY

FEATURES AND BENEFITS

- Anti-scratch coating to reduce marking and dirt build up
- Medium impact protection with shatterproof lens
- 99% UV protection
- Wrap around sport design with increased lateral protection
- Soft TPR nose bridge and side arms for comfort
- Premium blue Revo outdoor lens with mirror finish for reducing harsh glare and refining colours

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
MKCONVOYRBL	Blue Mirror	12	120



X-CALIBER

FEATURES AND BENEFITS

- Not just a wrap-around frame but a lens cut to follow the contours of your cheek bones for effective coverage of the entire ocular orbit
- One piece polycarbonate combining super lightweight/super tough properties (22gm)
- Super thin side arm for minimal hold pressure and minimal impedance to earmuff use
- Anti-scratch / anti-fog coatings
- Removable clip-on gasket for extra dust exclusion on FRXCALWGDCR and FRXCALWGDSM
- 99% UV protection

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
FRXCALSPCCR0000	Clear	12	240
FRXCALWGDCR0000	Clear c/w Dust Guard	12	240
FRXCALWGDSM0000	Smoke c/w Dust Guard	12	240
FRXCALSPCSM0000	Smoke	12	240
FRXCALSPCL30000	Lite Mirror	12	240
FRXCALSPCBR0000	Brown	12	240



KOKODA

FEATURES AND BENEFITS

- Anti-fog lens (except Blue Mirror)
- Anti-scratch lens
- Smooth streamlined finish
- 99.9% UV protection
- Moulded nose bridge
- Tough polycarbonate construction
- Ultra lightweight for increased comfort
- Rubber temple arm tips for pressure dispersion

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
FRKODASPCCR0000	Clear	12	144
FRKODASPCSM0000	Smoke	12	144
FRKODASPCBL0000	Blue Mirror	12	144



VISION X

FEATURES AND BENEFITS

- Anti-scratch lens
- Smooth streamlined finish
- 99.9% UV protection
- Moulded nose bridge
- Tough polycarbonate construction
- Ultra lighweight for increased comfort

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
FRVISXSPCCR0000	Clear	12	144
FRVISXSPCSM0000	Smoke	12	144
FRVISXSPCA20000	Amber	12	144



OSPX VISITOR OVER SPEC

FEATURES AND BENEFITS

- Effective and comfortable over specs for wearers of prescription glasses
- Fits most styles of prescription frames
- May be used as standard and visitor's safety glasses
- Anti-scratch and anti-fog coatings

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
FROVERSPXCL0000	Clear	12	144
FROVERSPXSM0000	Smoke	12	144

SAFETY GOGGLES & FACE SHIELDS



MARATHON SAFETY GOGGLE

FEATURES AND BENEFITS

- Anti-fog and anti-scratch coatings
- Clear and smoke shades for indoor/sunlight
- Vented for cooling/airflow

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
FRMARATHNCR0000	Clear	6	60



CLARITY SAFETY GOGGLE

FEATURES AND BENEFITS

- Chemical splash resistant
- Anti-fog and anti-scratch coatings
- Medium impact rated

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
FRCLARGGLCR0000	Clear	1	50



FACE SHIELD - HIGH IMPACT

FEATURES AND BENEFITS

- High impact visor suitable for grinding, cutting and splash
- Ratchet adjustable brow guard
- Chin guard attachment included
- Lighweight impact resistant shell
- Absorbent terry towelling headband
- Wide vision
- Anti-scratch
- 99.9% UV protection

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	DESCRIPTION	COLOUR	PACK QTY MOQ	CARTON QTY
FRFSHIELDCR0000	Face Shield High Impact	Clear	1	12
FRFSVISORCR0000	Visor Replacement	Clear	1	200


FRONTIER
SAFETY
MACK


bollé

bollé SAFETY



SWIFT

FEATURES AND BENEFITS

- Crystal-clear vision with PLATINUM Lite: anti-scratch & anti-fog coating
- Thin and flexible temples for enhanced comfort and retention
- Recyclable mono-material design comprising 31% recycled polycarbonate

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	LENS COATING	UOM
BOSWIFTN10A	Clear	Anti-scratch/Anti-fog	10/Bx, 120/CTN
BOSWIFTN20A	Smoke	Anti-scratch/Anti-fog	10/Bx, 120/CTN

bollé SAFETY



RUSH & RUSH SEAL

FEATURES AND BENEFITS

- Ultra lightweight
- Built in brow protection
- Fully recyclable all polycarbonate frame
- Adjustable PVC nose bridge plus comfort bars in the temple arms
- Single piece, optically correct, 9 base and distortion free lens
- EVA 'Positive Seal' to maximise protection in dusty environments

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	LENS COATING	UOM
1652301	Clear	Anti-scratch/Anti-fog	10/Bx, 120/CTN
1652302	Smoke	Anti-scratch/Anti-fog	10/Bx, 120/CTN
1652310	Bronze (Twilight)	Anti-scratch/Anti-fog	10/Bx, 120/CTN
1652318	Positive Seal Gasket		20/Bx, 240/CTN

bollé SAFETY
+PLATINUM



RUSH + & RUSH + SEAL

FEATURES AND BENEFITS

- Ultra lightweight
- Built in upper brow protection
- Platinum coating: anti-scratch & anti-fog
- Co-injected, ultra-flex two colour temples
- Adjustable, non-slip bridge

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	LENS COATING	UOM
1662301	Clear	Anti-scratch/Anti-fog +P	10/Bx, 120/CTN
1662302	Smoke	Anti-scratch/Anti-fog +P	10/Bx, 120/CTN
1662310	Bronze Twilight	Anti-scratch/Anti-fog +P	10/Bx, 120/CTN
1662318	Gradient Bronze (Contrast)	Anti-scratch/Anti-fog	10/Bx, 120/CTN
RUSHPCSP	Copper (CSP)	Anti-scratch/Anti-fog +P	10/Bx, 120/CTN
1662320	Gasket + Strap Kit		10/Bx, 120/CTN

bollé SAFETY
+PLATINUM



CONTOUR

FEATURES AND BENEFITS

- Ultra lightweight frame
- Non-slip nose bridge
- Thin TIPGRIP temples for better support
- Platinum coating: anti-scratch & anti-fog
- Polarized technology

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	LENS COATING	UOM
1615501	Clear	Anti-scratch/Anti-fog +P	10/Bx, 120/CTN
1615502	Smoke	Anti-scratch/Anti-fog +P	10/Bx, 250/CTN
1615503	Amber	Anti-scratch/Anti-fog +P	10/Bx, 250/CTN
PSSCONTC10	Copper (CSP)	Anti-scratch/Anti-fog +P	10/Bx, 250/CTN
1615504	Copper Flash (ESP)	Anti-fog inside	10/Bx, 250/CTN
1615505	Quartz (Bronze)	Anti-scratch/Anti-fog +P	10/Bx, 250/CTN
1652107	Polarised	Anti-scratch	10/Bx, 250/CTN











HURRICANE

FEATURES AND BENEFITS

- Lightweight, contoured frame
- Velvet finish and nylon frame
- Thin, flexible temples
- Polarized technology

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	LENS COATING	UOM
1662201	Clear	Anti-Scratch/Anti-fog	10/Bx, 120/CTN
1662202	Smoke	Anti-Scratch/Anti-fog	10/Bx, 120/CTN
1662203	Silver Flash	Hard Coat	10/Bx, 120/CTN
1662204	Cobalt Flash (Blue Flash)	Hard Coat	10/Bx, 120/CTN
1662215	Polarised	Hard Coat	10/Bx, 120/CTN









STKS 420

FEATURES AND BENEFITS

- Crafted with over 65% recycled polycarbonate
- Platinum coating: anti-scratch & anti-fog
- Stylish design with integrated clear side-shields
- Available in prescription

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	LENS COATING	UOM
BOSTK42N0CR0BGF	Clear	Anti-scratch/Anti-fog +P	10/Bx, 120/CTN
BOSTK42N0SM00GF	Smoke	Anti-scratch/Anti-fog +P	10/Bx, 120/CTN
BOSTK42N0CR00CF	Clear	Anti-scratch/Anti-fog +P	10/Bx, 120/CTN
BOSTK42NPSM0BGF	Polarised	Anti-scratch	10/Bx, 120/CTN
BOSTK42N0CR00GF	Clear	Anti-scratch/Anti-fog +P	10/Bx, 120/CTN
BOSTK42NPCT0BGF	Cobalt Mirror Polarised	Anti-scratch	10/Bx, 120/CTN
BOSTK42N0SM0BGF	Smoke	Anti-scratch/Anti-fog +P	10/Bx, 120/CTN
BOSTK42NPSM00CF	Polarised	Anti-scratch	10/Bx, 120/CTN
BOSTK42N0SM00CF	Smoke	Anti-scratch/Anti-fog +P	10/Bx, 120/CTN
BOSTK42NPSM00GF	Polarised	Anti-scratch	10/Bx, 120/CTN









TRYON

FEATURES AND BENEFITS

- Platinum coating: anti-scratch & anti-fog
- Eco-friendly design crafted from 52% recycled materials in lenses, frame and temples
- Enhanced comfort and fit with co-injected Flex160° temples, adapting to all heads while reducing pressure points
- Adjustable non-slip nose bridge for optimal retention

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	LENS COATING	UOM
BOTRYON00CR0000	Clear	Anti-scratch/Anti-fog +P	10/Bx, 120/CTN
BOTRYON00SM0000	Smoke	Anti-scratch/Anti-fog +P	10/Bx, 120/CTN
BOTRYON00BR0000	Copper	Anti-scratch/Anti-fog +P	10/Bx, 120/CTN
BOTRYO000BL0000	Cobalt Flash	Anti-scratch/Anti-fog +P	10/Bx, 120/CTN





bollé SAFETY

PLATINUM LITE



GLOBE

FEATURES AND BENEFITS

- Lightly translucent frame
- Panoramic vision
- User-friendly colour code

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	LENS COATING	UOM
BOGLOBENWCR	Clear	Platinum Lite	5/Bx, 40/CTN
GLOBEN11W	Clear	Platinum Lite	5/Bx, 40/CTN

bollé SAFETY

PLATINUM



CLEAR



CLEAR + FOAM MOUTH GUARD



SMOKE + FOAM



WELDING 5 GREY

UNIVERSAL

FEATURES AND BENEFITS

- Optimal fit thanks to its Wave technology
- PC/TPR co-injected frame with overflow chute
- Easy-fix pivoting faceguard

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	LENS COATING	UOM
BOUNIVGN10W	Clear	Platinum	5/Bx, 40/CTN
BOUNIVGN11W	Clear	Platinum	5/Bx, 40/CTN
BOUNIVGN12W	Clear + Foam Mouth Guard	Platinum	5/Bx, 40/CTN
BOUNIVGN13W	Clear + Neoprene Strap	Platinum	5/Bx, 40/CTN
BOUNIVGN14W	Clear + Foam	Platinum	5/Bx, 40/CTN
BOUNIVGN15W	Clear + Foam	Platinum	5/Bx, 40/CTN
BOUNIVGN20W	Smoke + Foam	Platinum	5/Bx, 40/CTN
BOUNIVGN21W	Smoke + Foam	Platinum	5/Bx, 40/CTN
BOUNIVGN30W	Copper + Foam	Platinum	5/Bx, 40/CTN
BOUNIVGN80W	Welding 5 Grey	Platinum	5/Bx, 40/CTN

bollé SAFETY

PLATINUM LITE



CLEAR -YELLOW



CLEAR - GREEN



CLEAR + FOAM



SMOKE

SPECTRUM

FEATURES AND BENEFITS

- PC/TPR co-injected frame for extra comfort & fit
- Optimal panoramic vision
- Fits over prescription glasses

STANDARDS
Complies to AS/NZS 1337.1 2010

CODE	COLOUR	LENS COATING	UOM
BOSPECTN10W	Clear	Platinum	5/Bx, 40/CTN
BOSPECTN11W	Clear	Platinum	5/Bx, 40/CTN
BOSPECTN12W	Clear	Platinum Lite	5/Bx, 40/CTN
BOSPECTN13W	Clear	Platinum Lite	5/Bx, 40/CTN
BOSPECTN14W	Clear + Foam	Platinum	5/Bx, 40/CTN
BOSPECTN15W	Clear + Foam	Platinum	5/Bx, 40/CTN
BOSPECTN20W	Smoke	Platinum	5/Bx, 40/CTN





B-CLEAN

FEATURES AND BENEFITS

- Complete and efficient cleaning solutions range
- Alcohol and silicone free
- Water-based formula is suitable for all lenses - except AR coated lenses for the B200
- Anti-static, anti-reflective

CODE	DESCRIPTION	UOM
PACW100	B100 Dispenser - with 100 Cleaning Tissues	25/Bx, 50/CTN
PACS250	B411 - 250ml Lens Cleaner Spray	10/CTN
PACS050	B412 - 50ml Lens Cleaner Spray	10/CTN
PACD500	B600 - Plastic cleaning station + 500ml Lens Cleaner (spray) + 2 x 200 Tissues	1/Bx, 6/CTN
PACMPCT	B401 - 200 Multi-function Dry Cleaning Tissues for B400/B600	1/Bx, 36/CTN
PACS500	**Lens Cleaner (spray) Anti-bacteria/Reflective 500ml**	15/Bx, 30/CTN
PACF030	B200 - Anti-Fog Kit + 30ml Anti-Fog Solution & 1 **Microfiber Cloth**	10/CTN

CASES, CORDS AND LENS CLOTHS

CODE	DESCRIPTION	UOM
BO1650415	Semi-Hard Goggle Case	12/Bx, 120/CTN
ETUIB	Semi-Hard Spec Case	10/Bx, 120/CTN
3209927	Black Soft Draw String Pouch	10/Bx, 120/CTN
CORDC	Power Cord - Adjustable	10/Bx, 100/CTN

uvex


9198-301


9198-202


9198-300


UVCX29198CR


UVCX29198SM


9198-065

UVEX PHEOS CX2

FEATURES AND BENEFITS

- Soft component connected directly with the lens
- Modern wraparound style offers wide field of vision
- Dual injection soft grip side arms for slip free, stable fit
- Innovative brow guard provides additional protection from flying particles or dust

AVAILABLE IN THREE LENS COATINGS

- Supravision excellence coating - anti-fog on the inside, extremely scratch resistant on the outside
- Supravision ETC coating - superior anti-fog coating on both sides
- Supravision sapphire coating - extremely scratch resistant on both sides

STANDARDS

Complies to AS/NZS 1337.1

CODE	COLOUR	LENS COATING	UOM
9198-202	Clear	uvex supravision excellence	10/Pk, 160/CTN
9198-300	Clear	uvex supravision sapphire	10/Pk, 160/CTN
9198-301	Grey 14% VLT	uvex supravision sapphire	10/Pk, 160/CTN
UVCX29198CR	Clear	uvex supravision ETC	10/Pk, 160/CTN
UVCX29198SM	Grey 14% VLT	uvex supravision ETC	10/Pk, 160/CTN
UV9198-065	CBR65 65% VLT	uvex supravision excellence	10/Pk, 160/CTN

uvex


9192-081


9192-085


9192-200G

UVEX PHEOS SMALL

FEATURES AND BENEFITS

- Smaller version for an optimum fit for those with smaller heads
- Excellent peripheral vision
- Arms with advanced ventilation system works with head movement
- No metal parts

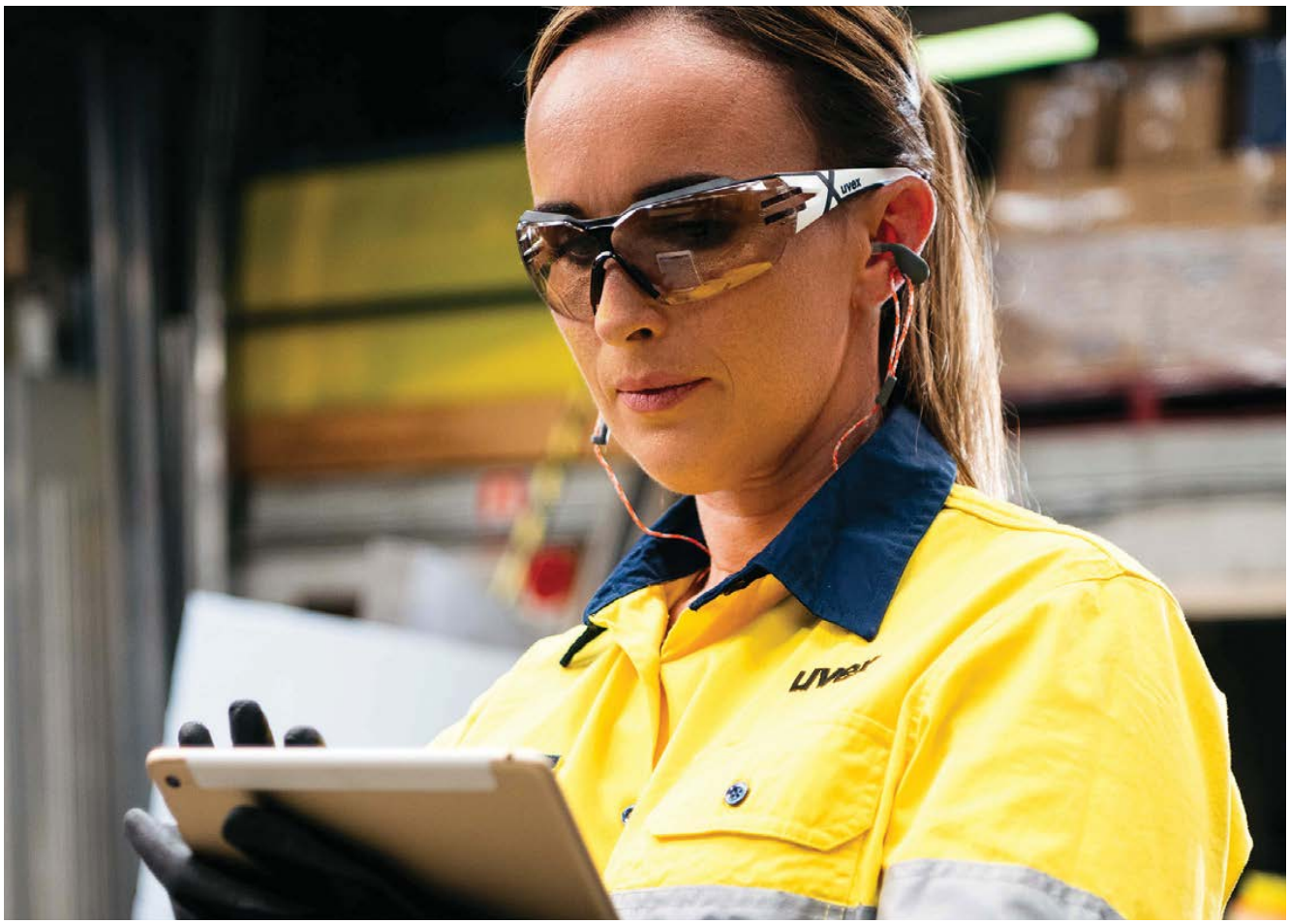
AVAILABLE IN TWO LENS COATINGS

- Uvex supravision sapphire coating extremely scratch resistant on both sides
- Available with guard for additional dust protection

STANDARDS

Complies to AS/NZS 1337.1

CODE	COLOUR	LENS COATING	UOM
9192-081	Clear	uvex supravision sapphire	10/Pk, 160/CTN
9192-085	Grey 14% VLT	uvex supravision sapphire	10/Pk, 160/CTN
9192-200	Clear	uvex supravision sapphire	10/Pk, 160/CTN
9192-200G	Clear	uvex supravision excellence	10/Pk, 160/CTN
9192-201	Grey	uvex supravision sapphire	10/Pk, 160/CTN



uvex





UVEX SPORTSYLE

FEATURES AND BENEFITS

- Featherlight (just 23g)
- Supravision sapphire coating - extremely scratch-resistant on both sides
- Soft, adjustable nose piece and soft, non-slip ear pieces ensure a secure, pressure-free fit

STANDARDS
Complies to AS/NZS 1337.1

CODE	COLOUR	LENS COATING	UOM
UV9193075	Clear	uvex supravision sapphire	10/Pk, 160/CTN
UV9193076	Grey 14% VLT	uvex supravision sapphire	10/Pk, 160/CTN

uvex







UVEX PHEOS

FEATURES AND BENEFITS

- Excellent peripheral vision
- Arms with advanced ventilations system works with head movement
- No metal parts

AVAILABLE IN THREE LENS COATINGS

- Supravision excellence coating - anti-fog on the inside, extremely
- scratch resistant on the outside
- Supravision THS coating - superior anti-fog coating on both sides
- Supravision sapphire coating - extremely scratch resistant on both sides

STANDARDS
Complies to AS/NZS 1337.1

CODE	COLOUR	LENS COATING	UOM
9192-302	Clear	uvex supravision excellence	10/Pk, 160/CTN
9192-304	Grey 23% VLT	uvex supravision excellence	10/Pk, 160/CTN
9192-306	Amber	uvex supravision excellence	10/Pk, 160/CTN
9192-310	Clear	uvex supravision THS	10/Pk, 160/CTN
9192-310G	Clear	uvex supravision THS	10/Pk, 160/CTN
9192-061	Clear	uvex supravision sapphire	10/Pk, 160/CTN
9192-065	Grey 14% VLT	uvex supravision sapphire	10/Pk, 160/CTN



uvex


9199-200


9199-202


9199-300

uvex


9101-060


9101-063

UVEX X-FIT

FEATURES AND BENEFITS

- Feather-light with a weight of only 23g
- No metal parts
- Excellent peripheral vision

AVAILABLE IN TWO LENS COATINGS

- Supravision sapphire coating - extremely scratch resistant on both sides

STANDARDS

Complies to AS/NZS 1337.1

CODE	COLOUR	LENS COATING	UOM
9199-200	Clear	uvex supravision excellence	10/Pk, 160/CTN
9199-202	Grey 14% VLT	uvex supravision excellence	10/Pk, 160/CTN
9199-300	Clear	uvex supravision sapphire	10/Pk, 160/CTN

UVEX WARRIOR

FEATURES AND BENEFITS

- Straight rubberised flexible arms
- Soft-grip nose pads
- Lightweight sports inspired style

STANDARDS

Complies to AS/NZS 1337.1

CODE	COLOUR	LENS COATING	UOM
9101-063	Grey 14% VLT - Polarised	Anti-scratch	5/Pk, 100/CTN
9101-060	Clear	Anti-fog both sides	5/Pk, 100/CTN
9101-062	Grey 14% VLT	Anti-fog both sides	5/Pk, 100/CTN



uvex



UVEX SONIC

FEATURES AND BENEFITS

- Close fit for extra protection
- Innovative arms
- Stylish frame, made of soft flexible material

STANDARDS
Complies to AS/NZS 1337.1

CODE	COLOUR	LENS COATING	UOM
SN185	Grey 20% VLT	Anti-scratch	5/Pk, 100/CTN
SN085	Clear	Anti-scratch	5/Pk, 100/CTN

uvex



UVEX RALLY MKII

FEATURES AND BENEFITS

- Stylish two piece lens
- Innovative and fashionable straight moulded arms
- Unique high tech frame
- With grey polarised lens for clear and comfortable vision in high glare environments

STANDARDS
Complies to AS/NZS 1337.1

CODE	COLOUR	LENS COATING	UOM
9220-137	Grey 12% VLT - Polarised	Anti-scratch	5/Pk, 100/CTN

uvex





UVEX SUPER F OTG

FEATURES AND BENEFITS

- Fits over most prescription glasses
- Compatible with other PPE
- Panoramic lens with integrated side protection for optimum eye coverage
- Side arms graduate to soft, flexible material for added comfort and grip
- Uvex supravision sapphire coating - extremely scratch resistant on both sides

STANDARDS
Complies to AS/NZS 1337.1

CODE	COLOUR	LENS COATING	UOM
9169-945	Clear	uvex supravision sapphire	10/Pk, 160/CTN
9169-946	Grey	uvex supravision sapphire	10/Pk, 160/CTN



UVCX29309CR


UVCX29309SM


UVCX29309RS

UVEX PHEOS CX2 SONIC

FEATURES AND BENEFITS

- Sporty, compact and extremely lightweight safety goggle
- Very soft and flexible, ergonomic face seal for a custom fit and ultimate comfort
- Indirect ventilation system increases air circulation
- Very light, length-adjustable textile headband for a secure fit and individual adaptability
- Robust polycarbonate lens with uvex's proven supravision coating technology permanent anti-fog and scratch-resistant lens

STANDARDS
Complies to AS/NZS 1337.1

CODE	COLOUR	LENS COATING	UOM
UVCX29309CR	Clear	uvex supravision extreme	10/Pk, 160/CTN
UVCX29309SM	Grey	uvex supravision extreme	10/Pk, 160/CTN
UVCX29309RS	CBR 65	uvex supravision extreme	10/Pk, 160/CTN


9302-345


9302-346

UVEX ULTRASONIC

FEATURES AND BENEFITS

- Combination of hard and soft components for reliable protection with maximum wear comfort
- Fits over most prescription spectacles
- Sophisticated ventilation system
- Quick and easy lens replacement
- Wide adjustable headband for comfort
- Uvex supravision excellence coating – anti-fog on the inside, extremely scratch resistant on the outside

STANDARDS
Complies to AS/NZS 1337.1

CODE	COLOUR	LENS COATING	UOM
9302-345	Clear	uvex supravision excellence	4/Pk, 72/CTN
9302-346	Grey 20% VLT	uvex supravision excellence	4/Pk, 72/CTN
9302-615F	Clear	uvex supravision excellence	4/Pk, 72/CTN


9301-614


9301-614


9301-613

UVEX ULTRAVISION

FEATURES AND BENEFITS

- Comfortable and ergonomic design
- Offers unrestricted side visibility
- Suitable for use as overspecs
- Available with cellulose acetate or polycarbonate lenses
- Quick and easy lens replacement
- Soft face liners guarantee close and pressure free fit

STANDARDS
Complies to AS/NZS 1337.1

CODE	DESCRIPTION	LENS COATING	UOM
9301-614	Clear Acetate	Anti-fog both sides	1/Bx, 40/CTN
9301-618	Grey Acetate 30% VLT	Anti-fog both sides	1/Bx, 40/CTN
9301-628	Grey Acetate open cell foam 30%	Anti-fog both sides	1/Bx, 40/CTN
9301-304	Clear PVC open cell foam	uvex supravision excellence (HC-AF)	1/Bx, 40/CTN
9301-305	Clear PVC	uvex supravision excellence (HC-AF)	1/Bx, 40/CTN
UVCX29301613	Clear 80%+ VLT	uvex supravision excellence (HC-AF)	1/Bx, 40/CTN
9301-323	Clear PVC closed cell foam	uvex supravision excellence (HC-AF)	1/Bx, 40/CTN
9301-624	Clear Acetate open cell foam	Anti-fog both sides	1/Bx, 40/CTN
9301-626	Clear Acetate closed cell foam	Anti-fog both sides	1/Bx, 40/CTN
9301-820	Clear Acetate	Anti-fog both sides	1/Bx, 40/CTN


9301-382


9301-383F

UVEX ULTRAVISION LOWER FACE GUARD

FEATURES AND BENEFITS

- Adjustable headband
- Fits over most prescription spectacle
- Quick and easy lens replacement
- Lower face guard - offers same level of impact as the lens
- Lower face guard vents/foam allows for easy communication, airflow, keeps dust away

STANDARDS
Complies to AS/NZS 1337.1

CODE	DESCRIPTION	LENS COATING	UOM
9301-382	Clear Acetate	anti-fog both sides with lower face guard	1/Pk, 25/CTN
9301-383	Clear Acetate open cell foam	anti-fog both sides with lower face guard	1/Pk, 25/CTN
9301-383F	Face Guard		1/Pk, 36/CTN
9300-605F	Clear PC	uvex supravision excellence	10 Pairs
9301-393F	Clear	Flip up lower face guard	1/Pk, 36/CTN


uvex



1007


1009


1015



1008



1003



1005

LENS CLEANING STATION & REFILLS

FEATURES AND BENEFITS

Lens Cleaning Station Contains:

- 4 boxes of 1008 (450 tissues each)
- 1 bottle of 1009 lens cleaning solution
- Wall mountable - screws included
- Can be equipped with 1005 towelettes

CODE	DESCRIPTION	UOM
1007	Lens Cleaning Station	1/Bx, 1/CTN
1008	Replacement Tissues to suit 1007 - Box of 450	1/Bx, 36/CTN
1009	Replacement Fluids - 500ml Spray Bottle to suit 1007	12/Pk, 10/CTN
1015	Cleaning Fluid - 225ml Spray Bottle	12/Pk, 10/CTN

LENS CLEANING TOWLETTES

CODE	DESCRIPTION	UOM
1003	500 Towelettes - Wall Dispenser	1/Bx, 10/CTN
1005	100 Towelettes - Wall or Desk Top Dispenser	1/Bx, 10/CTN



1065
1061
1066



UVEX1086
1082
1089

CORDS/STRAPS

CODE	DESCRIPTION	UOM
UVEX1061	Black Headband with Neoprene Strap	100/Pk, 100/CTN
1065	Black Knitted Eyewear Cord - Breakaway Safety Clip	100/Pk, 100/CTN
1066	Adjustable Knitted Cord with Foam Sleeve	100/Pk, 100/CTN

BAG/CASES

CODE	DESCRIPTION	UOM
1082	Eyewear Case with Belt Loop and Zipper	10/Pk, 250/CTN
1085	**Soft Microfibre Bag with Draw String**	10/Pk, 100/CTN
UVEX1086	**Soft Microfibre Goggle Bag with Draw String**	10/Pk, 100/CTN
1089	Eyewear Hard Case - with Zip Up Clip	10/Pk, 250/CTN


FRONTIER
TAKT
MACK


MACK
P2
AS/NZS 1716:2012



RESPIRATORY PROTECTION 1

DISPOSABLE RESPIRATORS	84-86
REUSABLE RESPIRATORS	88-93
POWERED AIR PURIFYING RESPIRATORS (PAPR)	94-101

IN AUSTRALIA AND NEW ZEALAND WORKPLACE STRATEGIES TO ENSURE WORKERS SAFETY

are an important part of an employers duty of care for all employees. Respiratory hazards in the workplace are considered serious business and knowing how to use adequate protection is crucial for all.

THE IMPORTANCE OF RESPIRATORY PROTECTION

INHALING HAZARDOUS MATERIALS CAN DAMAGE THE DELICATE STRUCTURES OF THE RESPIRATORY SYSTEM, AND IF HAZARDOUS PARTICULATES REACH THE LUNGS, THEY CAN DAMAGE TISSUE AND CAUSE SERIOUS ILLNESSES.

Each workplace will have its own safety challenges and hazards, and as a result will require an assessment to determine whether respiratory protective equipment is needed. Ideally, control methods should also be in place to ensure exposure to harmful substances is kept to a minimum.

RESPIRATORY PROTECTIVE EQUIPMENT SELECTION

When selecting the correct respiratory protection, the first step is to determine the level of hazard that is posed by the environment.

HARMFUL SUBSTANCES MAY PRESENT ITSELF IN MANY FORMS INCLUDING:

TYPE	DESCRIPTION
DUSTS	Formed whenever solid material is broken down into smaller particulates. Dust may be generated by mechanical means. E.g. drilling, sawing and grinding
MISTS AND SPRAYS	Very small droplets of liquid materials suspended in the air
SMOKE	Particulates of low vapour pressure suspended in the air, produced by the incomplete combustion of any material that has carbon in it
FUMES	Particulates forming an airborne suspension. Fuming is usually caused whenever a metal, plastic or polymer is subjected to a high heat e.g. welding and soldering operations
GAS	A substance which is like air – it is neither a solid or liquid, they are materials that become airborne at room temperature. Gases may have an odour, but many do not, and can travel long distances undetected
VAPOUR	A substance that is created when a solid or liquid material evaporates, at room temperature e.g. solvents and gasoline

RESPIRATORY STANDARDS

AS/NZS 1716:2012 RESPIRATORY PROTECTIVE DEVICES

This Standard specifies requirements for Respiratory Protective Devices (Respirators) intended to provide protection against atmospheres containing substances that may be harmful if breathed and atmospheres that may be deficient in oxygen.

There are two major categories of respirators. Supplied Air Respirators (SAR's) and Air Purifying Respirators (APR's). The most commonly used are of the type that purifies the air, called Air Purifying Respirators (APR's) .

APR's are most commonly known as:



DISPOSABLE RESPIRATORS

Single use, designed to be discarded after use. Disposable respirators are maintenance free and have no spare parts. They provide protection against dusts, mists and fumes. Application includes sawing, grinding, welding fume and bushfire smoke. Available in **P1** (particulates generated by mechanical processes e.g. grinding, sanding) or **P2** (particulates generated by mechanical and thermal processes e.g. welding).



REUSABLE RESPIRATORS

Available in half and full-face styles and come with a range of colour coded filters for different application. Half face masks provide protection against dusts, mists, fumes, gases and vapours by using specific filters. Applications include: painting, grinding, printing and mining. Full face respirators provide higher levels of respiratory protection and/or where eye or face protection is required. Industries where full face respirators are commonly used include the chemical, petroleum, steel and pharmaceutical industries.



PAPR (POWERED AIR PURIFYING) RESPIRATORS

These are an air purifying respirator (ARP), however there is a positive pressure through a continuous flow of filtered ambient air. PAPR's are used when extended wear times are necessary. Industries commonly using PAPR's include pharmaceutical, food manufacturing and foundries.

NOTE: APR's are not suitable for use in oxygen deficient atmospheres, confined spaces or atmospheres that are immediately dangerous to life or health (IDLH). Only SCBA's or Combination SCBA/airline can be used in an IDLH environment.



AIR SUPPLIED RESPIRATORS

Respirators that provide the user with clean air from a source independent of the ambient atmosphere, either via a compressor through a filtering system or stored as high-pressure air in cylinders. These types of respirators include: airline respirators; Emergency Escape Breathing Apparatus, and Self-contained breathing apparatus (SCBA).

FILTERING THE ENVIRONMENT

Contaminants are encountered in different forms, presenting either a particulate or gaseous/vapour hazard or both.

Depending on the combination of cartridge/filter and respirator, different levels of protection may be achieved. The higher the protection factor, the greater the reduction in exposure to airborne contaminants for the wearer.

Different filters are required to protect against particulates, specific gases or a combination of both.



TYPES OF PARTICULATE FILTERS

CLASS	COLOUR	APPLICATION
P1	White	Particulates generated by mechanical processes e.g. grinding, sanding
P2	White	Particulates generated by mechanical and thermal processes e.g. welding
P3	White	All particulates including highly toxic materials. Used when a higher protection factor is required, however only used in combination with a full-face respirator

Particulate filters should not be worn when oxygen levels are not guaranteed to be > 19.5%; for capture of gases and vapours; when the airborne particulate contaminant concentrations are very high, and when Government regulations require use of airline or other specific type of respirator for specific applications.

GAS & VAPOUR FILTERS

FILTER	COLOUR	MAIN FIELD OF APPLICATION
AX		Organic Vapours (boiling point < 65°C)
A		Organic Vapours (boiling point > 65°C)
B		Acid Gases
E		Inorganic Gases
K		Ammonia
Hg		Mercury
G		Organic Compounds with low vapour pressure

Gas and vapour filters must not be used when oxygen level are not guaranteed to be > 19.5%, for capture of particulate e.g. dusts, mists fumes or fibres, when airborne gas and vapour contaminant concentrations are very high, when spraying materials contains isocyanates, where the contaminants present cannot be captured by the gas and vapour filter, when regulations require use of airline or specific type of respirator for certain applications.

FIT TESTING

The biggest contributor to reduced respiratory protection is poor fit. Checking that a respirator, with a tight fitting facepiece provides an adequate seal to the wearer's face has long been considered best practice as part of a general Respiratory Protection Program covered under AS/NZS 1715:2009 section 2.6. Respirators with tight fitting facepieces include disposable respirators, half and full-face respirators, including those that form part of a powered or air-fed respirator.

Fit testing should be carried out before the respirator is issued, and on all wearers of respirators with tight fitting facepieces where fit testing has previously not been performed.

FIT TESTING SHOULD BE REPEATED AT APPROPRIATE TIMES SUCH AS:

- If the wearer significantly loses or gains weight, has major dental work or sustain a major facial injury
- If a different size or model of Respiratory Protective Equipment (RPE) is specified
- At least annually or when specified by the company policy e.g. during a health surveillance check
- Fit testing is in addition to performing a self-fit check prior to each use as a determination of suitable fit

FIT TESTING METHODS:

QUALITATIVE FIT TESTING – Pass or fail assessment conducted to ensure that a respirator with a tight fitting facepiece provides an adequate seal to the Wearer's face.

QUANTITATIVE FIT TESTING – An assessment of adequacy of respirator fit that uses numerical measurements of the amount of leakage into the respirator.



Bunzl Safety & Liftingcan provide advice and support on the use of 3M Respirator Fit Check Test Kits.

CARE AND MAINTENANCE

ALL RESPIRATORY PROTECTION EQUIPMENT NEEDS TO BE IN GOOD CONDITION TO WORK SAFELY AND EFFECTIVELY. CORRECT CLEANING AND MAINTENANCE OF RESPIRATORS IS AN IMPORTANT AREA THAT IS COMMONLY OVERLOOKED.

After using a respirator, you should clean and inspect it. Be sure to look for: cracks, chips or holes in the breathing tube or airlines, worn or frayed straps; worn or damaged fittings, bent or corroded buckles, or improperly seated valves. If you notice any of these abnormalities, have it repaired or replaced immediately.

WHY CHANGE YOUR CARTRIDGE AND FILTERS?

Continuous use of cartridges when the filter has reached their capacity, will hinder protection. Gases and vapours can pass immediately to lungs, and from there, they can be absorbed into your bloodstream, causing internal damage.

Particulate filters will keep removing contaminants, but will become harder to breathe through, increasing discomfort. Dusts, fumes and mists can irritate the nose, throat and upper respiratory system. Some particulates, depending on their size and type, can pass through to your lungs, where they can damage tissue and increase chances of a more serious health hazard.

QUICK GUIDE FOR CLEANING REUSABLE RESPIRATORS

STEP 1

Remove cartridges or filters

STEP 2

Disassemble and immerse the respirator in warm water less than 50°C. You may also use a neutral detergent.

STEP 3

Wipe or scrub with a soft brush until clean.

STEP 4

If required, disinfect the respirator by soaking in household bleach for two minutes (30ml of bleach in 7.5L of water).

STEP 5

Rinse in fresh warm water and air dry in a clean area.

STEP 6

Check the respirator components prior to reassembly. A respirator with any damaged or deteriorated components must be repaired or discarded.

STEP 7

Store the respirator and cartridges or filters in an airtight container to avoid further moisture and contaminant exposure.



FITTING INSTRUCTIONS

FOR DISPOSABLE RESPIRATORS

For correct fitting instructions for re-useable respirators, please refer to the manufacturer's data sheets.

STEP 1

Hold the respirator in one hand **with nose-piece at your fingertips,** allowing the head straps to hang freely below your hands.



STEP 2

Place the respirator against your face with the nose-piece on the bridge of your nose.



STEP 3

Place the top strap high on the back of your head. Move the bottom strap over your head and position it below your ears.



STEP 4

Use both hands to mould the nose-piece to the shape of your nose for a **secure, comfortable fit.**

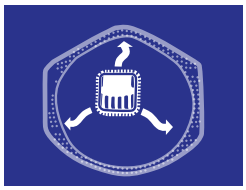


STEP 5

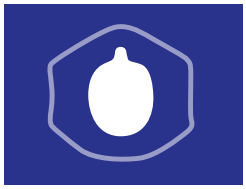
Test to fit. Cup your hands over the respirator and exhale strongly. If air **flows around your nose, tighten the** nose-piece. If air escapes around the edges, reposition the straps for **a better fit.**



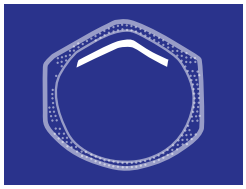
ADDITIONAL FEATURES GUIDE



FRONTIER MODELS WITH VALVE:
The 360° exhalation valve considerably reduces breathing resistance and build-up of heat and moisture in the mask.



COMFORT SEALING LIP
The soft sealing lip guarantees a secure, comfortable sealed positioning of the mask.



COMFORT NOSE CLIP
The mask is fitted with a high-quality nose clip making it individually adjustable.



CARBON INSIDE OUR FRONTIER CARBON ACTIVATED MASK
The additional activated carbon layer incorporated in the filter material reduces unpleasant odours.



DOUBLE NON-LATEX HEADBAND
For a secure, allergy free fit on all models except the nuisance mask.



DISPOSABLE RESPIRATORS



FRP2CNV FRP2CV



P2 CUP RESPIRATORS

FEATURES AND BENEFITS

- Industrial quality grade materials
- Provides P2 protection against mechanically and thermally generated particles
- Twin elastic headband and adjustable straps for a secure fit
- Cup structure provides strength and resistance to flattening
- Lightweight disposable single use
- Adjustable nose bridge allows snug fit

STANDARDS
AS/NZS 1716:2012

CODE	CLASS	STYLE	PACK QTY	CTN QTY
FRP2CNV	P2	Non-Valved	20	240
FRP2CV	P2	Valved	10	120

P2 MOULDED CUP RESPIRATOR

FEATURES AND BENEFITS

- Industrial quality grade materials
- Provides P2 protection
- Pre-shaped nose cushion, adjustable nose bridge and contoured face seal provides a comfortable and secure fit
- Highly efficient exhalation valve for improved breathing
- Twin elastic headband and adjustable straps for a secure fit
- Ultrasonic bonded headbands (no staples)

STANDARDS
AS/NZS 1716:2012

CODE	CLASS	STYLE	PACK QTY	CTN QTY
FRP2MCV	P1	Valved	10	120



FRP2FNV FRP2FV



3M8210 3M8822

P2 FLAT FOLD RESPIRATORS

FEATURES AND BENEFITS

- Lightweight disposable single use mask
- Cup structure provides strength and resistance to flattening
- Bonded head bands - no staples
- Full face seal - adjustable nose bridge allows snug fit
- Valve offers cooling in warm hot conditions

STANDARDS
AS/NZS 1716:2012

CODE	CLASS	STYLE	PACK QTY	CTN QTY
FRP2FNV	P2	Non-Valved	20	400
FRP2FV	P2	Valved	10	200

P2 CUP RESPIRATORS 8000 SERIES

FEATURES AND BENEFITS

- Welded straps for use in industries that must comply with staple-free respirators
- Made from 3M™ Advanced Electret Filter Material for effective filtration with low breathing resistance
- Lightweight construction for added comfort
- Moulded nose clip helps reduce eyewear fogging and a better seal and fit
- Proprietary 3M™ Cool Flow™ exhalation valve helps remove hot exhaled air

STANDARDS
AS/NZS 1716:2012

CODE	CLASS	STYLE	PACK QTY	CTN QTY
3M8210	P2	Non-Valved	20	8
3M8822	P2	Valved	10	24



P2 CUP RESPIRATOR 8300 SERIES

FEATURES AND BENEFITS

- Proprietary 3M™ Cool Flow™ exhalation valve helps remove hot exhaled air
- Made from 3M™ Advanced Electret Filter Material for effective filtration with low breathing resistance
- Coloured straps for easy identification of protection class (blue for P2)
- Does not contain components made from natural rubber latex
- Moulded nose clip helps reduce eyewear fogging and a better seal and fit

STANDARDS
AS/NZS 1716:2012

CODE	CLASS	STYLE	PACK QTY	CTN QTY
3M8322	P2	Valved	10	8



P2 & GP2 CUP RESPIRATORS ORGANIC VAPOURS

FEATURES AND BENEFITS

- Activated carbon layer reduces exposure to nuisance levels* of organic vapours and odours, e.g. diesel particulate matter and unburned fuel vapour
- Type 'G' class rating suitable for low vapour pressure (below 1.3 Pa @ 25°C) of many agricultural chemicals
- Proprietary 3M™ Cool Flow™ exhalation valve helps remove hot exhaled air
- Adjustable, non-aluminium nose clip specifically for use in flammable atmosphere e.g. coal mines
- Individually wrapped for protection from contamination prior to use

STANDARDS
AS/NZS 1716:2012

CODE	CLASS	STYLE	PACK QTY	CTN QTY
3M9923V	P2	Valved	10	6
3M8577	GP2	Valved	10	6
3M9542V	P2	Valved	25	10

* Nuisance levels are those levels below the Safe Work Australia Exposure Standards



P2 CUP RESPIRATOR ACID GAS

FEATURES AND BENEFITS

- Activated carbon layer helps reduce exposure to nuisance levels* of acid gas, such as, sulphur dioxide and hydrogen fluoride
- Proprietary 3M™ Cool Flow™ exhalation valve helps remove hot exhaled air
- Moulded nose clip helps reduce eyewear fogging and a better seal and fit
- Dual straps for even pressure on neck, face and head that improves comfort

STANDARDS
AS/NZS 1716:2012

CODE	CLASS	STYLE	PACK QTY	CTN QTY
3M9926ANZ	P2	Valved	10	6

* Nuisance levels are those levels below the Safe Work Australia Exposure Standards



P2 CUP WELDING RESPIRATOR

FEATURES AND BENEFITS

- Activated carbon layer filters out ozone, welding fumes and nuisance odours
- Deep loading and flame retardant (not a substitute for a face shield)
- Cake resistant filter reduces particulates on filter surfaces
- Fully adjustable heavy duty head straps

STANDARDS
AS/NZS 1716:2012

CODE	CLASS	STYLE	PACK QTY	CTN QTY
3M8214	P2	Valved	10	8

DISPOSABLE RESPIRATORS



3M9320A 3M9322A



P2 FLAT FOLD RESPIRATORS 9300A+ AURA SERIES

FEATURES AND BENEFITS

- Three panel design, sculpted nose panel, and soft inner cover moulds comfortably to face
- Low breathing resistance filter technology for easier breathing
- Flat fold is easy to store when not in use
- Embossed top panel helps reduce fogging of eyewear
- Proprietary 3M™ Cool Flow™ exhalation valve helps remove hot exhaled air

STANDARDS
AS/NZS 1715 Respiratory Protection / AS/NZS 1716:2012

CODE	CLASS	STYLE	PACK QTY	CTN QTY
3M9320A+	P2	Non-Valved	20	12
3M9322A+	P2	Valved	10	12



RTCFFP2 RTCFFP2V

P2 FLAT FOLD RESPIRATORS

FEATURES AND BENEFITS

- Three panel design provides structural integrity, form fit seal and optimal comfort
- Multilayer technology provides protection against mechanically and thermally generated particulates including: dusts, mists, fumes and smoke
- Proprietary adjustable foam nose pad to ensure consistent optimum facial seal and reduced fogging of eyewear
- Specialised TRIDENT® respirator seal attains unrivalled PortaCount® fit testing results

STANDARDS
Certified P2 / AS/NZS 1716:2012 / ID No. BMP 732382
EN 149:2001 + A1:2009 / ID No. BMP 754423
AS 4381:2015 Level 3 / ID No. BMP 737354 (non valved only)

CODE	CLASS	STYLE	PACK QTY	CTN QTY
RTCFFP2	P2	Non-Valved	20	24
RTCFFP2V	P2	Valved	20	12



P2 CARBON FLAT FOLD RESPIRATOR

FEATURES AND BENEFITS

- Activated carbon filters and reduces exposure to nuisance* level organic vapours and odours
- Fibrous activated carbon maintains lower breathing resistance while providing effective filtration enhancing wearer comfort
- Three panel design provides structural integrity, form fit seal and optimal comfort
- Proprietary adjustable foam nose pad to ensure consistent optimum facial seal and reduced fogging of eyewear

STANDARDS
Certified P2 / AS/NZS 1716:2012 / BMP 732382

CODE	CLASS	STYLE	PACK QTY	CTN QTY
RTCFFPC	P2	Valved	20	12

* Nuisance levels are those levels below the Workplace Exposure Standard


3M

REUSABLE RESPIRATORS



HALF FACE RESPIRATOR 7500 SERIES

FEATURES AND BENEFITS

- Soft, silicone facepiece for comfort and durability
- Drop down feature for added convenience during breaks
- Thin nose bridge area for reduced pressure and improved comfort
- 3M™ Cool Flow™ exhalation valve offers reduced breathing resistance

STANDARDS
AS/NZS 1716:2012

CODE	SIZE	PACK QTY	CTN QTY
3M7501	Small	1/Box	10
3M7502	Medium	1/Box	10
3M7503	Large	1/Box	10



HALF FACE RESPIRATOR 6000 SERIES

FEATURES AND BENEFITS

- Simple and lightweight reusable respirator
- Cradle head harness and easy to fasten neck strap
- Thermoplastic Elastomer (TPE) facepiece
- Flexible system for use with 3M™ gas, vapour and particulate cartridges and filters

STANDARDS
AS/NZS 1716:2012

CODE	SIZE	PACK QTY	CTN QTY
3M6100	Small	1/Box	8
3M6200	Medium	1/Box	8
3M6300	Large	1/Box	8



HALF FACE RESPIRATOR 6500QL SERIES QUICK LATCH

FEATURES AND BENEFITS

- Quick latch drop down mechanism for easy on and off
- No need to remove your safety helmet or facehshield when lowering or raising respirator
- Resilient silicone faceseal helps provide comfort, durability, and stability with a soft but firm seal
- Exhalation valve cover helps direct exhaled breath and moisture downward to reduce fogging of eyewear/shields

STANDARDS
AS/NZS 1716:2012

CODE	SIZE	PACK QTY	CTN QTY
3M6501QL	Small	1/Box	10
3M6502QL	Medium	1/Box	10
3M6503QL	Large	1/Box	10



SECURE CLICK™ HF-800SD HALF FACE REUSABLE RESPIRATOR

FEATURES AND BENEFITS

- Greater breathability and comfort provided by quad flow cartridge system
- Push button seal check helps ensure respirator is properly sealed to the face
- Speaking diaphragm helps provide easier communication
- Secure Click™ connection provides confidence that filters and cartridges are installed properly

STANDARDS
AS/NZS 1716:2012

CODE	SIZE	PACK QTY	CTN QTY
3MHF801SD	Small	1/Box	10
3MHF802SD	Medium	1/Box	10
3MHF803SD	Large	1/Box	10


3M D3138

REUSABLE RESPIRATORS



FULL FACE RESPIRATOR 6000 SERIES

FEATURES AND BENEFITS

- Lightweight, reliable and easy to use
- Soft, silicone face seal
- Large lens for excellent field of vision
- Four strap head suspension makes it easy to put on and take off

STANDARDS
AS/NZS 1716:2012

CODE	SIZE	PACK QTY	CTN QTY
3M6700	Small	1/Box	4
3M6800	Medium	1/Box	4
3M6900	Large	1/Box	4



SECURE CLICK™ FF-800 REUSABLE FULL FACE MASK

FEATURES AND BENEFITS

- Push button seal check helps ensure respirator is properly sealed to the face
- Greater breathability and comfort provided by quad flow cartridge system
- Large lens for excellent field of vision
- Six-strap harness helps provide a secure comfortable fit

STANDARDS
AS/NZS 1716:2012

CODE	SIZE	PACK QTY	CTN QTY
FF-801	Small	1/Box	4
FF-802	Medium	1/Box	4
FF-803	Large	1/Box	4





3M2125 3M2135 3M2128 3M2138 3M6035 3M6038



3M5925N

PARTICULATE FILTERS

FEATURES AND BENEFITS

- Made from 3M™ high performance filter media for effective filtration efficiency
- Suitable for use with 3M™ 6000/6500QL/7500 Series Half Face Respirators and 3M™ 6000/7000 Series Full Face Respirators
- 3M™ Bayonet Connection System ensures precise and secure locking

STANDARDS
AS/NZS 1716:2012

CODE	DESCRIPTION	CLASS	PACK QTY	BOX QTY	CTN QTY
3M2125	P2 Particulate Filter	P2	1 Pair		50
3M2128	P2 Dust / Mist / Nuisance Level Ov / Ag Disk Filter	GP2*	1 Pair		50
3M2135	P3 Dust/Mist Particulate Filter	P2/P3**	1 Pair		50
3M2138	P3 Dust / Mist / Nuisance Level Ov / Ag Disk Filter	GP2/GP3**	1 Pair		50
3M6035	P2 / P3 Premium Filter	P2/P3**	1 Pair/Tray	10 Trays	4 Boxes
3M6038	P2 / P3 Particulate Filter Nuisance Org / Vapour & Acid Gas	P2/P3**(HF)	1 Pair/Pack	10 Packs	4 Boxes
3M5925N	P2 Particulate Filter 3M 5925 10 Pr/Box	P2	1 Pair/Pack	10 Packs	4 Boxes
3M5935	Filter P3 pair	P3**	1 Pair/Pack	10 Packs	4 Boxes



REUSABLE RESPIRATORS



3M6051 3M6055 3M6054 3M6057 3M6059 3M6075

GAS & VAPOUR CARTRIDGES

FEATURES AND BENEFITS

- 3M™ Bayonet Connection System ensures precise and secure locking
- Suitable for use with 3M™ 6000/6500QL/7000 Series Half Face Respirators and 3M™ 6000/FF-400 Series Full Face Respirators



3M6096 3M6098 3M6099

STANDARDS
AS/NZS 1716:2012

CODE	DESCRIPTION	CLASS	PACK QTY	CTN QTY
3M6051	Organic Vapours (b.pt.>65°C)	A1	1 Pair	30
3M6055	Organic Vapours (b.pt.>65°C)	A2	1 Pair/4pk	8
3M6054AMN	Ammonia And Methylamine	K1	1 Pair/4pk	8
3M6057	Organic Vapours (b.pt.>65°C), Inorganic and Acid Gases	A1B1E1	1 Pair	30
3M6059	Multi-Gas; Organic Vapours (boiling point >65°C), Inorganic And Acid Gases, Ammonia And Methylamine	A1B1E1K1	1 Pair	30
3M6075	Organic Vapours (b.pt.>65°C) and Formaldehyde	A1+Formaldehyde	1 Pair	30
3M6096	Organic Vapours (b.pt.>65°C) Mercury Vapour, Sulphur Dioxide & Particulates	A1E1HgP3**	1 Pair/2pk	8
3M6098	Low Boiling Point, Organic Vapour (b.pt.<65°C) And Toxic Particulates for use with full facepieces only	AXP3**	1 Pair/2pk	2
3M6099	Organic Vapours (b.pt.>65°C), Inorganic Gases, Acid Gases, Ammonia, Methylamine, Mercury And Particulates for use with full facepieces only	A2B2E2K2HgP3**+-Formaldehyde	1 Pair/2pk	8



3MD8055A2 3MD8059A1 3MD8094A1 3MD8095P3 3MD9035P3 3MD9038P3

SECURE CLICK™ FILTERS, CARTRIDGES AND SPARE PARTS

FEATURES AND BENEFITS

- Simple, quick Secure Click™ connection provides confidence that filters and cartridges are installed correctly
- Dual flow design of the cartridges allows for easier breathing
- Secure Click™ filters and cartridges can protect against a variety of contaminants, including particulates, organic vapours, and acid gases
- Lightweight with low breathing resistance
- Suitable for use with 3M™ HF-800SD Series Half Face Respirator and 3M™ FF-800Series Full Face Respirator



3M3138P3 3MD701SFR 3MD7925P2 3MD7935P1 3MD8051A1



3MFF806 3MXA0006514674 3M504 3MD3125P2 3MD3135P3

CODE	DESCRIPTION	PACK QTY	CTN QTY
3MFF80006	3M™ Secure Click™ FF-800-06 Quantitative Fit Test Adapter includes head harness assembly	1	1
3MXA0006514674	3M 102 Universal Spectacle Kit for 3M™ Full Facepieces FF-800, FF-400 and 6000 series	1	1
3M504	3M 504 Respirator Cleaning Wipes	1/Box	5
3MD3125P2000000	D3125 3M Secure Click™ Particulate Filter P2	1/Pair	10 Pairs
3MD3135P3000000	D3135 3M Secure Click™ Particulate Filter P3	1/Pair	10 Pairs
3MD3138P3000000	D3138 3M Secure Click™ Particulate Filter P3 With Nuisance Level OV/AG	1/Pair	10 Pairs
3MD701SFR000000	D701 3M Secure Click™ Filter Retainer	1	100
3MD7925P2000000	D7925 3M Secure Click™ Particulate Filter P2	1/Pair	10 Pairs
3MD7935P1000000	D7935 3M Secure Click™ Particulate Filter	1/Pair	10 Pairs
3MD8051A1000000	D8051 3M Secure Click™ Cartridge A1 With Dual Flow	1/Pair	10 Pairs
3MD8055A2000000	D8055 3M Secure Click™ Cartridge A2 with Dual Flow	1/Pair	10 Pairs
3MD8059A1000000	D8059 3M Secure Click™ Cartridge A1B1E1K1 With Dual Flow	1/Pair	10 Pairs
3MD8094A1000000	D8094 3M Secure Click™ Cartridge A1B1E1K1P3 With Dual Flow	1/Pair	10 Pairs
3MD8095P3000000	D8095 3M Secure Click™ Cartridge A2P3 with Dual Flow	1/Pair	10 Pairs
3MD9035P3000000	D9035 3M Secure Click™ Hard cover Particulate Filter P3	1/Pair	40
3MD9038P3000000	D9038 3M Secure Click™ Hard Case Particulate Filter P3 R, with Nuisance Level Organic Vapour/Acid Gas Relief	1/Pair	40



TRIDENT® HEXHALE® SILICONE HALF FACE RESPIRATOR

FEATURES AND BENEFITS

- Medical grade silicone tested to ISO 10993 for vitro cytotoxicity and skin sensitisation
- Optimum fit and comfort with three size adjustable head harness
- Lightweight with baseline of 118 grams (medium)
- Low profile design for use under face shields and welding helmets
- Easy positive seal check to ensure respirator seal

STANDARDS
Complies to AS/NZS 1716:2012 / BMP 795804

CODE	DESCRIPTION	SIZE	PACK QTY
RTC3000	Respirator TRIDENT® HEXHALE® Silicone Half Face	S-L	Each



TRIDENT® HEXHALE® SILICONE FULL FACE RESPIRATOR

FEATURES AND BENEFITS

- High impact visor compliant to AS/NZS 1337.1:2010
- Optimum comfort with 6 point silicone harness
- External and internal anti-fog coating
- Exceptional peripheral vision due to large lens
- Speaking diaphragm for clearer communication
- Medical grade silicone tested to ISO 10993 for vitro cytotoxicity and skin sensitisation

STANDARDS
Complies to AS/NZS 1716:2012 / AS/NZS 1337.1:2010 / BMP 795804

CODE	DESCRIPTION	SIZE	PACK QTY
RTC3100	Respirator TRIDENT® HEXHALE® Silicone Full Face	Unisize	Each



RTC3001 RTC3002 RTC3003 RTC3004 RTC3005



RTC3006

TRIDENT® HEXHALE® RESPIRATOR FILTERS

STANDARDS
BSI Certified AS/NZS 1716:2012 BMP: 795804

CODE	DESCRIPTION	PACK QTY
RTC3001	Respirator TRIDENT® HEXHALE® Hard Case P2/P3 Particulate with Nuisance Level Organic Vapour and Acid Gas Relief Filter	Pair
RTC3002	**Respirator TRIDENT® HEXHALE® P2/P3 Prefilter Retainer (20 pieces/10pair)**	Pair
RTC3003	Respirator TRIDENT® HEXHALE® P2/P3 Particulate with Nuisance Level Organic Vapour Relief Filter	Pair
RTC3004	Respirator TRIDENT® HEXHALE® Organic Vapour A2 Filter	Pair
RTC3005	Respirator TRIDENT® HEXHALE® Multi Gas Vapour A1B1E1K1 Filter	Pair
RTC3006	Respirator TRIDENT® HEXHALE® P2 Particulate PreFilter (10 pieces/5 pair)	10 pieces / 5 Pair

3M™ VERSAFLO™ POWERED AIR PURIFYING RESPIRATOR (PAPR) SYSTEMS

Many users of half and full facepiece respirators are taking a second look at powered and supplied air systems for reasons that go beyond mere compliance. 3M™ Versaflo™ Respirator Systems are a comprehensive approach to worker protection systems based on comfortable-to-wear modules.



INTEGRATED PROTECTION

Safety managers can configure modules and accessories to help protect users from a variety of combined hazards.

FLEXIBILITY

Each system has three easy-to-select modules - Select Headtop, Select Starter Kit and Select Filter. It is the ultimate in flexibility for handling changing user environments, needs, and comfort preferences.

ALL-DAY COMFORT

The benefits of a PAPR are:

- Protection factors up to 100+, based on the headtop and filter/ cartridge being used
- Good option if using for long periods by reducing the weight of a filter carried on a facepiece
- Helps prevent user fatigue with air moving around the head and face cooling the wearer
- Available with a wide range of open and closed head tops (hoods & facepieces).
- Respirators that rely upon positive air flow through a loosefitting headtop do not require face fit testing.

EXCELLENT AIRFLOW

3M™ Versaflo™ Head tops direct a comfortable stream of flowing air to where workers need it most: the head and face. The moving airflow can make hot environments more tolerable while greatly reducing visor fogging. And, when using the appropriate 3M™ Versaflo™ Supplied Air Regulator, the airflow can also be made cooler or warmer when working in hot or cold environments.

EASY-TO-MAINTAIN

Most replacement parts can be installed by hand or with common tools (like a screwdriver) in a matter of moments.

FOUR STEPS TO THE RIGHT RESPIRATOR

STEP 1
Choose your Air Delivery Unit

STEP 2
Choose your Headtop

STEP 3
Choose the appropriate Breathing Tube

STEP 4
Choose your options and accessories

PROTECTION AGAINST MULTIPLE HAZARDS

RESPIRATORY PROTECTION



EYE, FACE AND HEARING PROTECTION



HEAD PROTECTION, NECK/SHOULDER COVERAGE





VERSAFLO™ TRM-207C TR-300+ PAPR KIT

FEATURES AND BENEFITS

- TR-302E+ air filter unit
- M-207 headtop with flame resistant faceseal
- BT-30 breathing tube
- TR-970 air flow indicator
- TR-332 battery pack
- TR-341A single station battery charger
- TR-3712E PAPR-P3 particulate filter
- TR-371+ filter cover
- TR-3600 prefilter
- TR-362E spark arrestor
- TR-325 standard waist belt
- S1303-0166 padded bag

CODE	DESCRIPTION	PACK QTY	CTN QTY
3MTRM207C	**Versaflo**™ TRM-207C TR-300+ PAPR Kit	1	1



VERSAFLO™ TRM-307C TR-300+ PAPR KIT

FEATURES AND BENEFITS

- TR-302E+ air filter unit
- M-307 headtop with flame resistant faceseal
- BT-30 breathing tube
- TR-970 air flow indicator
- TR-332 battery pack
- TR-341A single station battery charger
- TR-3712E PAPR-P3 particulate filter
- TR-371+ filter cover
- TR-3600 prefilter
- TR-362E spark arrestor
- TR-325 standard waist belt
- S1303-0166 padded bag

CODE	DESCRIPTION	PACK QTY	CTN QTY
TRM-307C	**Versaflo™ TRM-307C TR-300+ PAPR Kit**	1	1



VERSAFLO™ CAPM-307C TR-300+ PAPR KIT

FEATURES AND BENEFITS

- TR-302E+ air filter unit
- M-307 headtop with flame resistant faceseal and reflective tape
- M-940 cap lamp bracket
- BT-30 breathing tube
- TR-970 air flow indicator
- TR-332 battery pack
- TR-341A single station battery charger
- TR-3712E PAPR-P3 particulate filter
- TR-371+ filter cover
- TR-3600 prefilter
- TR-362E spark arrestor
- TR-325 standard waist belt
- S1303-0166 padded bag

CODE	DESCRIPTION	PACK QTY	CTN QTY
3MCAPM306	**Versaflo**™ CAPM-307C TR-300+ PAPR Kit	1	1



VERSAFLO™ TRM-407C TR-300+ PAPR KIT

FEATURES AND BENEFITS

- TR-302E+ air filter unit
- M-407 headtop with flame resistant shroud
- BT-30 breathing tube
- TR-970 air flow indicator
- TR-332 battery pack
- TR-341A single station battery charger
- TR-3712E PAPR-P3 particulate filter
- TR-371+ filter cover
- TR-3600 prefilter
- TR-362E spark arrestor
- TR-325 standard waist belt
- S1303-0166 padded bag

CODE	DESCRIPTION	PACK QTY	CTN QTY
3MCAPM306	**Versaflo**™ TRM-407C TR-300+ PAPR Kit	1	1



VERSAFLO™ TR-315A TR-300+ STARTER KIT

FEATURES AND BENEFITS

- TR-302E+ air filter unit
- BT-30 breathing tube
- TR-970 air flow indicator
- TR-332 battery pack
- TR-341A single station battery charger
- TR-3712E PAPR-P3 particulate filter
- TR-371+ filter cover
- TR-3600 prefilter
- TR-362E spark arrestor
- TR-325 standard waist belt
- Does not include a headtop/hood which is required to be purchased separately

CODE	DESCRIPTION	PACK QTY	CTN QTY
3M315ATKIT	**Versaflo**™ PAPR TR-315A Kit (no head top)	1	1



VERSAFLO™ TR-302E AIR FILTER UNIT

FEATURES AND BENEFITS

- Protection from a range of airborne particles
- Slim, lightweight and well-balanced design for use in tight spaces
- 10hr battery capacity with recharge time of less than 3.5 hrs
- Two use selectable flow rates 185 & 205 l/min
- Ingress Protection rated IP53

CODE	DESCRIPTION	PACK QTY	CTN QTY
3MTR302E	**Versaflo**™ Air Filter Unit TR-302E	1	1





3MTR332



3M6054



3MTR325

PAPR ACCESSORIES

CODE	DESCRIPTION	PACK QTY	CTN QTY
3MTR332	High Capacity Battery TR-332 - rechargeable lithium-ion battery pack	1	1
3MTR341A	902-04-00 Charger Single station TR-341A - delivers rapid charge to 90% battery capacity	1	1
3MTR325	Standard Waist Belt Replacement TR-325	1	1


TR-3710E


3MTR3802E


3MHEPFVP3


3MFCV6710


UU008996223


3MTR6310A1P3


3MTR3822E


TR-3600


3MTR371PLUS


3MTR6600F


3MTR662


3MTR630


3MTR632

PAPR FILTER SYSTEMS AND EXTRAS

CODE	DESCRIPTION	PACK QTY	CTN QTY
TR-3710E	Filter PAPR-P3 Particulate only TR-3712E	1	1
3MTR3802E	Filter PAPR-P3 with Nuisance O/V TR-3802E	1	1
3MTR3822E	Filter PAPR-P3 Particulate, Nuisance Level, Acid Gas, TR-3822E	1	1
TR-3600	**Respirator pre-filter TR-3600**	1	10
3MTR371PLUS	Filter Cover TR-371+	1	1
3MHEPFVP3	**TR-6710ANZ High Efficiency P3 filter**	1	5
3MFCV6710	**TR-6700FC filter cover - to Suit Versaflo™ TR-6710ANZ**	1	1
7100021252 70071622073	**TR-6500FC 3M™ Versaflo™ Filter Cover TR-6500FC, for TR-6580ANZ filter**	1	1
7100135784 UU008996215	**TR-6310ANZ 3M™ Versaflo™ Filter TR-6310ANZ, PAPR-A1P3 Organic Vapour & Particulate**	1	5
3MTR6600F	**TR-6600 Pre-filter**	1	10
3MTR662	TR-662 Spark Arrestor to suit TR-600	2 per bag	1 bag per case
3MTR630	TR-630 Standard battery - recharges in less than 4 hours	1	1
3MTR632	TR-632 High Capacity Battery	1	1



POWERED AIR PURIFYING RESPIRATORS



FACE SHIELD INCLUDES COMFORT FACE SEAL

FEATURES AND BENEFITS

- Eye, face and respiratory protection
- M-206 with comfort face seal
- Coated lens provides chemical and scratch resistance
- Face shield has flexible application, use with any 3M™ Versaflo™ system

STANDARDS
AS/NZS 1337.1:2010 - High impact eye protection
AS/NZS 1716:2012 - When used with 3M™ approved respiratory protection systems and devices

CODE	DESCRIPTION	PACK QTY	CTN QTY
3MM206	Face shield with comfort face seal M-206	1	1



FACE SHIELD INCLUDES FLAME RESISTANT FACE SEAL

FEATURES AND BENEFITS

- Eye, face and respiratory protection
- M-207 with flame resistant face seal
- M-150 head suspension and M-154 forehead seal replacements are available
- Coated lens provides chemical and scratch resistance
- Deflector allows users to direct airflow inside face shield for increased control and comfort

STANDARDS
AS/NZS 1337.1:2010 - High impact eye protection
AS/NZS 1716:2012 - When used with 3M™ approved respiratory protection systems and devices

CODE	DESCRIPTION	PACK QTY	CTN QTY
M-207	**M-207 Face shield with flame resistant face seal**	1	1



HELMET INCLUDES COMFORT FACE SEAL

FEATURES AND BENEFITS

- Respiratory, head, eye and face protection
- M-306 with comfort face seal
- Coated lens provides chemical and scratch resistance
- Deflector allows users to direct airflow inside helmet for increased control and comfort
- Visor design combines excellent peripheral and downward vision with exceptional optical clarity

STANDARDS
AS/NZS 1337.1:2010 - High impact eye protection
AS/NZS 1801:1997 - Type 1 industrial safety helmet
AS/NZS 1716:2012 - When used with 3M™ approved respiratory protection systems and devices

CODE	DESCRIPTION	PACK QTY	CTN QTY
3MM306	M-306 Helmet with comfort face seal	1	1



HELMET INCLUDES FLAME RESISTANT FACE SEAL

FEATURES AND BENEFITS

- Respiratory, head, eye and face protection
- M-307 with flame resistant face seal
- Coated lens provides chemical and scratch resistance
- Deflector allows users to direct airflow inside helmet for increased control and comfort
- Visor design combines excellent peripheral and downward vision with exceptional optical clarity

STANDARDS
AS/NZS 1337.1:2010 - High impact eye protection
AS/NZS 1801:1997 - Type 1 industrial safety helmet
AS/NZS 1716:2012 - When used with 3M™ approved respiratory protection systems and devices

CODE	DESCRIPTION	PACK QTY	CTN QTY
3MM307	**M-307 Helmet with flame resistant face seal**	1	1



HELMET INCLUDES HIGH DURABILITY SHROUD

FEATURES AND BENEFITS

- Simultaneous respiratory, head, eye, face, neck and shoulder protection
- M-406 with high durability shroud
- Coated lens provides chemical and scratch resistance
- Deflector allows users to direct airflow inside helmet for increased control and comfort
- Helmet suitable for use with all 3M approved air delivery systems

STANDARDS
AS/NZS 1337.1:2010 - High impact eye protection
AS/NZS 1801:1997 - Type 1 industrial safety helmet
AS/NZS 1716:2012 - When used with 3M™ approved respiratory protection systems and devices

CODE	DESCRIPTION	PACK QTY	CTN QTY
3MM406	M-406 Helmet with high durability shroud	1	1



HELMET INCLUDES FLAME RESISTANT FACE SHROUD

FEATURES AND BENEFITS

- Simultaneous respiratory, head, eye, face, neck and shoulder protection
- M-407 with flame resistant shroud
- Coated lens provides chemical and scratch resistance
- Deflector allows users to direct airflow inside helmet for increased control and comfort
- Helmet suitable for use with all 3M approved air delivery systems

STANDARDS
AS/NZS 1337.1:2010 - High impact eye protection
AS/NZS 1801:1997 - Type 1 industrial safety helmet
AS/NZS 1716:2012 - When used with 3M™ approved respiratory protection systems and devices

CODE	DESCRIPTION	PACK QTY	CTN QTY
3MM407	**M-407 Helmet with flame resistant face shroud**	1	1



POWERED AIR PURIFYING RESPIRATORS



3MUU003085113



3MBT20L



3MBT30



3MM937



M-957

3MM927



M-928



3MM936

BREATHING TUBES

FEATURES AND BENEFITS

- Delivers powered airflow, varying from light to heavy duty
- QRS (Quick Release Swivel) breathing tubes allow fast and easy connection
- Ensures clean air reaches the head top reliably and with unrestricted airflow
- Component of AS/NZS 1716 respiratory protection systems

STANDARDS
AS/NZS 1716:2012

CODE	DESCRIPTION	PACK QTY	CTN QTY
3MBT20L	Breathing tube standard BT-20L - compatible with all 3M PAPR units. L=965mm	1	1
3MBT30	Self adjustable polyurethane breathing tube BT-30 - compatible with all 3M PAPR units. L=525-850mm	1	1
3MUU003085113	Fixed length heavy duty neoprene breathing tube BT-40 - compatible with all 3M PAPR units. L=840mm	1	1

M-SERIES ACCESSORIES

FEATURES AND BENEFITS

- Versatile 3M™ Versaflo™ M-Series accessories to help adapt the head top to a particular environment
- Further options are available to offer protection from flames and sparks, splashes, noise and more

STANDARDS
AS/NZS 1716:2012

CODE	DESCRIPTION	PACK QTY	CTN QTY
3MM927	M-Series coated visor M-927	1	5
M-928	M-Series peel off visor covers M-928	1	40
3MM936	M-200/M-300 Comfort face seal M-936	1	1
3MM937	M-100/M-300 Flame resistant face seal M-937	1	5
M-957	M-Series Forehead comfort pad M-957	1	20



VERSAFLO™ TR-619A POWERED AIR TURBO STARTER KIT

FEATURES AND BENEFITS

- Suitable for environments with hazardous particles, and some nuisance level gases and vapours
- Ready-to-use complete PAPR kit with battery and charger (excludes filter, filter cover and head top)
- Lightweight and easy to use
- Compatible with all M-Series and S-Series head tops, a range of breathing tubes and compliant to be used with a select range of full and half face respirators with BT-63 and BT-64 hoses

STANDARDS
AS/NZS 1716:2012

CODE	DESCRIPTION	PACK QTY	CTN QTY
70071697000	**TR-619A Versaflo™** Powered Air Turbo Starter Kit	1	1





TR-819A IS PAPR STARTER KIT

FEATURES AND BENEFITS

- Ready-to-use complete PAPR kit with battery and charger (excludes filter, filter cover and head top)
- Slim, lightweight, well-balanced and ergonomically designed to fit close to the body and allows for greater movement in tight work spaces
- Compatible with all M-Series and S-Series head tops, a range of breathing tubes and compliant to be used with a select range of full face and half face respirators with BT-63 and BT-64 hoses
- SIMTARS certified for use in Queensland coal mining operations. Classified according to EN 60079-11 as Non-Mining Gas Atmoshperes (Group II) ia - Intrinsic safety for equipment protection level Ga IIB - Gas apparatus group T4 - Max. surface temperature

STANDARDS
AS/NZS 1716:2012

CODE	DESCRIPTION	PACK QTY	CTN QTY
3MTR819AK	TR-819A IS PAPR Starter Kit	1	1



TR-802E TURBO UNIT

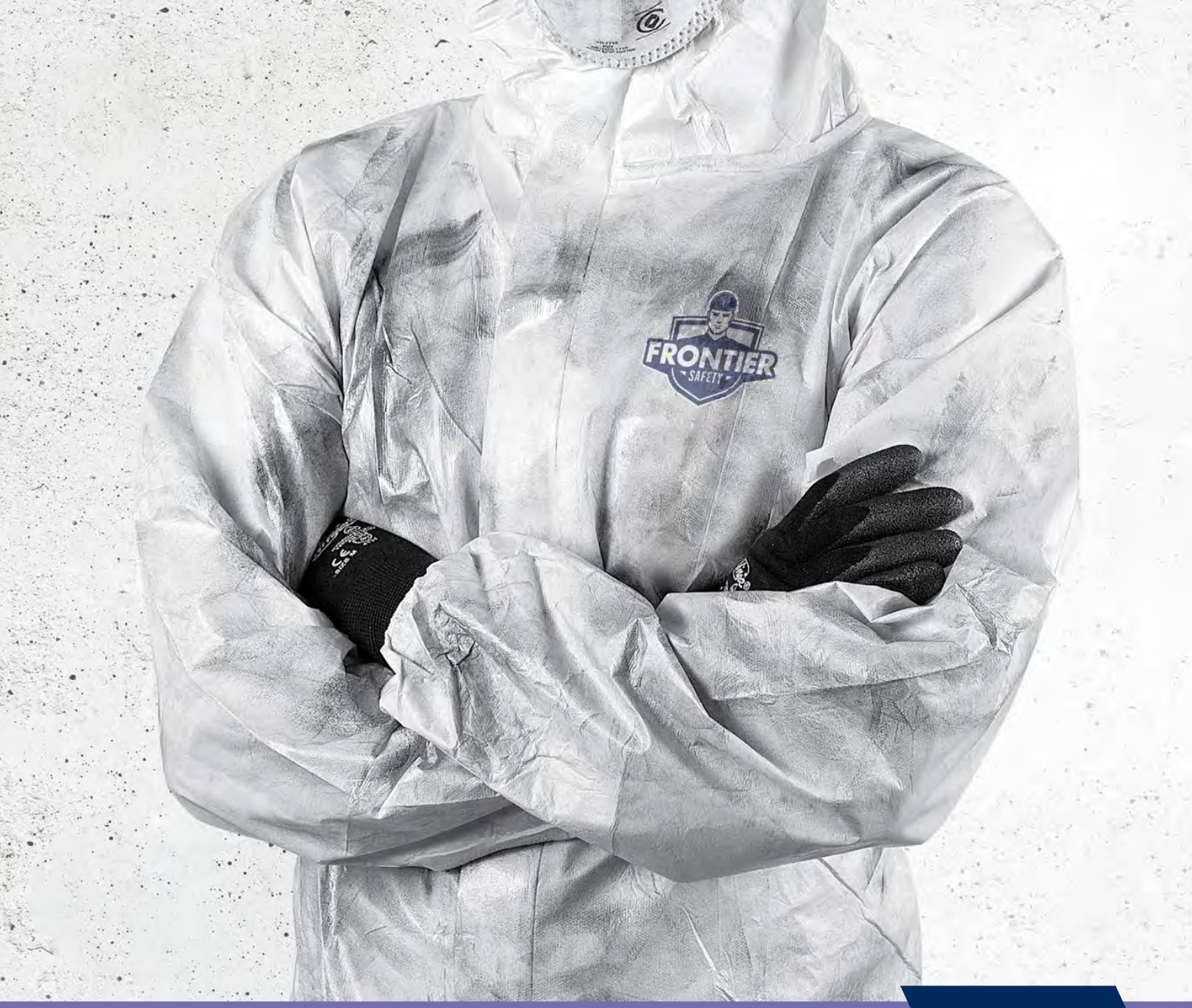
FEATURES AND BENEFITS

- Approved against the latest Electrical Standards
- Approved to Zone O requirements. It may be suitable for areas where potentially explosive atmospheres are expected and permanent in normal operations
- Comfort is maximised with three user selectable flow rates and controlled airflow
- Easy to identify and differentiate from non-IS versions thanks to bright yellow touchpoints

STANDARDS
AS/NZS 1716:2012

CODE	DESCRIPTION	PACK QTY	CTN QTY
3MTR802E	TR-802E Turbo Unit	1	1


Tychem
2000



BODY PROTECTION 1

FRONTIER COVERALLS	106-107
FRONTIER BODY PROTECTION ACCESSORIES	108-109
DUPONT COVERALLS	110-112
DUPONT BODY PROTECTION ACCESSORIES	113

OUR FULL RANGE OF SINGLE AND LIMITED USE

coveralls, protective sleeves, hair nets, aprons, gowns and shoe covers are of the highest quality and have been tested to meet all required Standards. From industrial and pharmaceutical manufacturing through to protection from biological, chemical and infective hazards, our range suits most industry applications.

THE 8-STEP GUIDE TO GARMENT SELECTION

BOTH EMPLOYERS AND INDIVIDUALS NEED TO ENSURE THE BODY IS ADEQUATELY PROTECTED FROM HAZARDS AND CONTAMINANTS FOR A SAFE, COMFORTABLE WORK ENVIRONMENT.

All protective clothing and body protection equipment should also meet the necessary CE Certification.



Using the simplified **STEP BY STEP** guide below as part of the risk assessment process will assist in selecting the correct protective clothing.

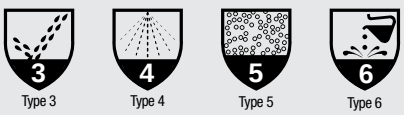
STEP 1 HAZARD IDENTIFICATION

What is the chemical hazard? Is it gas, liquid, vapour or particle? Can the hazard change state during use (e.g. from liquid to vapour)? What are the levels of concentration, humidity, temperature and pressure? Are there any additional hazards e.g. risk of explosion, heat and flame, biological risk, etc.?



STEP 2 DETERMINE MINIMUM LEVELS OF PROTECTION NEEDED

When choosing protective clothing, take into account the nature of the exposure and identify the corresponding Type classification. Then examine the results obtained from both the whole suit Type, material and seam tests as indicated in the manufacturer's product documentation.



STEP 3 ASSESS HAZARD TOXICITY

Knowing the toxicity or consequences of short or long-term exposure to the hazard is essential. Assess whether a suit that just passes a certain type is sufficient protection.



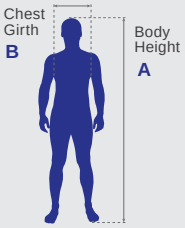
STEP 4 DETERMINE PROTECTIVE PERFORMANCE REQUIREMENTS OF THE FABRIC & SEAM

Consider that liquid chemical penetration tests are conducted over a time period of just 60 seconds. In order to assess whether a fabric protects the wearer for longer exposure periods, the permeation data (gathered from tests lasting up to 8 hours) must be consulted.



STEP 5 DETERMINE MECHANICAL PERFORMANCE REQUIREMENTS

An excellent barrier is only worthwhile if it withstands working conditions and remains intact for the duration of the task. In addition, selecting the right size is essential to ensuring proper protection. Avoid oversized or undersized suits, and ensure correct sizes are available. Please see instructions for use.



SIZE	HEIGHT A		CHEST B	
S	64 - 67 in	164 - 170 cm	33 - 36 in	84 - 92 cm
M	66 - 69 in	167 - 176 cm	36 - 39 in	92 - 100 cm
L	69 - 71 in	174 - 181 cm	39 - 43 in	100 - 108 cm
XL	70 - 74 in	179 - 187 cm	43 - 45 in	108 - 115 cm
2XL	73 - 76 in	186 - 194 cm	45 - 49 in	115 - 124 cm
3XL	76 - 78 in	194 - 200 cm	49 - 52 in	124 - 132 cm
4XL	78 - 81 in	200 - 206 cm	52 - 55 in	132 - 140 cm

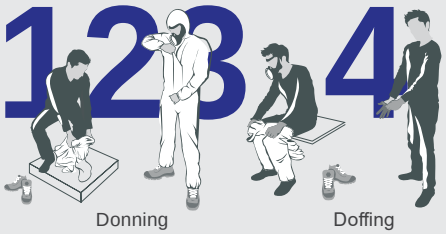
STEP 6 COMFORT CONSIDERATIONS

Protection is important, and so is comfort. Identifying the appropriate protective and mechanical performance, while also maximising wearer comfort, can contribute to wearer satisfaction and productivity.



STEP 7 IDENTIFY THE CORRECT USAGE OF THE PRODUCT

Be aware of product limitations, as these can be a useful source of information on the correct use of the product. They may also raise important questions, such as whether additional taping is required, whether grounding requirements should be considered, performance when exposed to temperatures, and whether a doffing procedure is required that necessitates training to avoid contamination.



STEP 8 WEAR TEST

Testing selected garment is an important step in the selection process.



Content courtesy of DUPONT

GARMENT SELECTION: A LIFE SAVING CHOICE

There are many different chemical protective suits commercially available, and although they are CE certified, there are very wide ranging performance differences for products meeting the same certification 'Types'. Faced with a bewildering choice and the complexity of the certification information, what criteria should be used to select the right protective clothing? A short summary of the European standards for chemical protective clothing and a chemical protective clothing selection guide is provided to assist you in this task.



CE MARKING

To facilitate the choice of garment, the European Union has defined harmonised product standards for six levels of protection (referred to as 'Types') within Category III Chemical Protective Clothing (see table below). The certification of a suit to a particular protection type represents its overall tightness against a particular form of exposure (gas, pressurised liquids, sprays and dust). It should be noted that its certification does not necessarily mean that the suit is 100% impervious to this type of exposure. It only means that the suit meets the minimum requirements of the specific product standard. The manufacturer is also obliged to state the performance levels of the constituent materials and seams, known as performance 'Classes'.

CHEMICAL PROTECTIVE CLOTHING, CATEGORY III		
PICTOGRAM	**DEFINITION AND EXPOSURE LEVEL**	**PRODUCT STANDARD & YEAR OF PUBLICATION**
 Type 3	LIQUID TIGHT Protective clothing against liquid chemicals. Exposure to pressurised jet of liquid.	EN 14605:2005/A1:2009
 Type 4	SPRAY TIGHT Protective clothing against liquid chemicals. Exposure to a liquid spray aerosol (unpressurised).	EN 14605:2005/A1:2009
 Type 5	SOLID PARTICULATES Protective clothing against solid-airborne particulates.	EN ISO 13982-1:2004/A1:2010
 Type 6	LIMITED PROTECTIVE PERFORMANCE AGAINST LIQUID CHEMICALS Potential exposure to small quantities of fine spray/mist or accidental low volume splashes and where wearers are able to take timely adequate action in case of contamination.	EN 13034:2005/A1:2009

OTHER RELEVANT STANDARDS		
PICTOGRAM	**DEFINITION**	**STANDARD AND YEAR***
EN 1149-5 ** 	Protective Clothing with Electrostatic properties – material performance and design requirements.	EN 1149-5:2008
EN 1073-2 *** 	Protective clothing against radioactive contamination.	EN 1073-2 :2002
EN ISO 14116**  Index 1	Protective Clothing with protection against heat and flame-Limited flame spread materials, material assemblies and clothing. Three 'Index' (levels) of protection are defined Index 1/0/0 Index 1 performance, single use and no pre-cleaning or laundering. Index 1 materials limit the flame spread, but will melt and must always be worn on top of Index 2 or 3 garments.	EN ISO 14116:2008
EN 14126 	Protective clothing (fabrics) against infective agents (indicate by a 'B' e.g. Type 3-B) and comprising several fabric protection test methods.	EN 14126:2003

* As standards are continuously revised the year of publication is subject to change.
** Antistatic treatments on DuPont Chemical Protective Clothing are only effective in relative humidity >25% and when the garment and wearer are continuously and correctly grounded.*** Does not protect against ionizing radiation.

Content courtesy of DUPONT

COVERALLS

POLYPROPYLENE COVERALL

FEATURES AND BENEFITS

- Economical
- Lightweight 40gsm single layer 100% polypropylene
- Elasticated hood, ankles, cuff and back
- 2 way zipper at front with 1 ply storm cover flap
- Breathable and cool
- Individually packaged

APPLICATIONS

- Suitable for general industrial protection
- Food processing and handling
- Cleaning
- Dirty environments

NOTE

- Not suitable for use in hazardous areas
- Not suitable for Asbestos or other toxic dusts



CODE	DESCRIPTION	COLOUR	SIZE	PACK QTY MOQ	CARTON QTY
FRCVRALPPBL	SPP Disposable Coverall	Blue	M-3XL	1	50
FRCVRALPPOO	SPP Disposable Coverall	Orange	M-3XL	1	50
FRCVRALPPWW	SPP Disposable Coverall	White	M-3XL	1	50

TYPE 5/6 SMS DISPOSABLE SHIELD COVERALL

One-piece 55gsm chemical coverall made from breathable, durable, and antistatic triple layer polypropylene SMS material.

FEATURES AND BENEFITS

- Lightweight and breathable, ideal for applications in warmer environments
- Three panel elasticised hood designed for PPE compatibility
- Elasticised hood, wrist, back and ankles
- Zipper with storm flap for added protection
- Anti-static/electrostatic treatment
- Protection against radioactive particles

APPLICATIONS

- Painting and Spraying
- Mining, wood and metal processing
- Construction
- Industrial manufacturing and general maintenance
- Asbestos removal, stripping, clear-up or handling



EN13034 Type 6 | EN 1149-5

EN13982-1 Type 5 | EN 1073-2:2002

CODE	DESCRIPTION	COLOUR	SIZE	PACK QTY MOQ	CARTON QTY
FRCVRLSMSBL	Type 5/6 SMS Disposable Coverall	Blue	S-3XL	1	50
FRCVRLSMSOO	Type 5/6 SMS Disposable Coverall	Orange	S-3XL	1	50
FRCVRLSMSWW	Type 5/6 SMS Disposable Coverall	White	S-3XL	1	50

TYPE 5/6 MICROPOROUS COVERALL

Made of non woven laminated film, this coverall offers comfort whilst providing protection against hazardous particles and liquid splashes.

FEATURES AND BENEFITS

- Microporous 55gsm fabric
- Type 5 rated: hazardous dust and dry particles
- Type 6 rated: liquid repellent, light spray and splash
- Low linting and white colour for increased coolness

APPLICATIONS

- Working with airborne particles, insulation installation, wood and metal production, General maintenance and cleaning, asbestos removal and handling



EN13982-1 Type 5 | EN13034 Type 6 | EN 1149-5

CODE	DESCRIPTION	COLOUR	SIZE	PACK QTY MOQ	CARTON QTY
FRCVRLWMPWW	Type 5/6 Microporous Coverall	White	S-3XL	1	50

TYPE 4/5/6 SUPER SUIT

Type 4/5/6 Super Suit made of non woven laminated microporous film to protect against hazardous particles, spray and liquid splashes.



FEATURES AND BENEFITS

- Excellent chemical protection - splash and spray
- Laminated 65gsm microporous
- Elasticised waist, cuffs and ankles
- Bound stitched seams for increased particle and liquid protection
- Protection against infective and biological agents
- Protection against radioactive particles
- Anti-static treatment
- Low linting

APPLICATIONS

- Construction
- Mining
- Medical and Pharmaceutical
- Painting
- Asbestos removal
- Waste control
- Pesticide spraying

EN14605 Type 4 | EN13982-1 Type 5 | EN13034 Type 6

EN 1073-2 | EN 14126 | EN 1149-5

CODE	DESCRIPTION	COLOUR	SIZE	PACK QTY MOQ	CARTON QTY
FRCVRT456WW	Supersuit Type 4/5/6 Disposable Coverall	White	S-4XL	1	50





DISPOSABLE MEDICAPS

FEATURES AND BENEFITS

- Light weight non-woven paper for comfort, hygiene and cleanliness
- Excellent breathability
- Durable and germ free
- Generous sizing

APPLICATIONS

- Food Processing

CODE	COLOUR	SIZE	PACK QTY	CTN QTY
FRMEDICAPWW	White	One	1000	1000
FRMEDICAPBL	Blue	One	1000	1000



DISPOSABLE PE WATERPROOF ARM SLEEVE

FEATURES AND BENEFITS

- Waterproof
- Elasticated at both ends and heat sealed
- Light weight polyethylene (LDPE) for excellent splash protection
- Provides wrist to above elbow protection

CODE	COLOUR	SIZE	PACK QTY	CTN QTY
FRARMSLVEWW	White	One	2000	2000



DISPOSABLE DOUBLE/SINGLE LOOP BEARDCOVER

FEATURES AND BENEFITS

- Hygienic facial hair cover
- Light weight non-woven material
- Generous sizing
- Double or single loop options available

CODE	COLOUR	SIZE	PACK QTY	CTN QTY
FRBRDDOUBWW	White	One	500	500
FRBRDSGLEWW	White	One	500	500



DISPOSABLE NON-SKID SHOE COVER

FEATURES AND BENEFITS

- Premium dust protection
- Non-slip pattern for safety
- Sealed-in elastic edge for a secure fit
- Prevents contamination

CODE	COLOUR	SIZE	PACK QTY	CTN QTY
FRSHCOVNSWW	White	One	500	500
FRSHCOVNSBL	Blue	One	500	500





FRLABCOATWW0000 FRLABCOATBL0000

DISPOSABLE LABCOAT WITH GRIP TAB

FEATURES AND BENEFITS

- No pockets - ideal for food processing area
- Made from non woven polypropylene for good breathability
- Features elastic cuffs and velcro closures
- Provides comfortable protection in dry areas from dust and grime

CODE	COLOUR	SIZE	PACK QTY	CTN QTY
FRLABCOATWW	White	One	50	50
FRLABCOATBL	Blue	One	50	50



DISPOSABLE APRON 1350 x 810MM

FEATURES AND BENEFITS

- Light weight and comfortable to wear
- Size 1350mm x 810mm
- Easy tie off
- Splash resistant

CODE	COLOUR	SIZE	PACK QTY	CTN QTY
FRDISAPRNWW	White	One	500	500

PROSHIELD® 20



FEATURES AND BENEFITS

- SMS fabric technology
- Limited particle and liquid splash protection
- High comfort level due to high air and water vapour permeability
- Available in blue and white

CODE	COLOUR	SIZE	PACK QTY	CTN QTY
NN0D14591WW	White	S-3XL	1	50

Note: Also available in blue and size 4XL.

Cat. III | EN13982-1 Type 5 | EN13034 Type 6 | EN 1073-2 Class 1 | EN 1149-5

PROSHIELD® 60



FEATURES AND BENEFITS

- Microporous film fabric technology
- Protection against low-medium concentrated water-based chemicals
- Good liquid repellency

CODE	COLOUR	SIZE	PACK QTY	CTN QTY
DUD155195WW	White	S-4XL	1	50

Cat. III | EN13982-1 Type 5 | EN13034 Type 6 | EN 1073-2 Class 1 | EN 1149-5

TYVEK® 400 DUAL



FEATURES AND BENEFITS

- Tyvek® protection at the front of the garment where you need it most
- Large breathable SMS back panel from head to ankle for increased comfort
- External stitched seams for enhanced protection against penetration of hazards

CODE	COLOUR	SIZE	PACK QTY	CTN QTY
D148096	White	S-3XL	1	100

Cat. III | EN13982-1 Type 5 | EN13034 Type 6 | EN 1073-2 Class 1 | EN 1149-5

TYVEK® 500 XPERT

FEATURES AND BENEFITS

- High liquid and particulate protection with 99% particle hold out (compared to 85% stipulated in the EN ISO 13982-1 Type 5 standard)
- Good breathability thanks to air and moisture vapour permeability of Tyvek® fabric technology
- Exceptional ergonomic design and comfort
- Very low linting

CODE	COLOUR	SIZE	PACK QTY	CTN QTY
DUD155195WW	White	S-4XL	1	50
DUD146639WW	White	S-4XL	1	100



Cat. III | EN13982-1 5 Type 5-B | EN13034 6 Type 6-B | EN 1073-2 Class 2 | EN 1149-5 | EN 14126

TYVEK® 500 SAFETY ORANGE

FEATURES AND BENEFITS

- Fluorescent orange for hi-vis during the day. Rated to the EN ISO 20471 high visibility clothing standard, for both chromaticity and luminance
- High visibility that doesn't wash out: no laundry, no effect on colour, no need to monitor it
- Can replace your reusable high visibility clothing

CODE	COLOUR	SIZE	PACK QTY	CTN QTY
DUD155640OO	Orange	S-4XL	1	50



Cat. III | EN13982-1 5 Type 5-B | EN13034 6 Type 6-B | EN 1073-2 Class 1 | EN 1149-5 | EN 14126

TYVEK® 500 HV

FEATURES AND BENEFITS

- Rated to EN ISO 20471 (High Visibility Clothing, Class 3), RIS-3279-TOM Issue 1 (day/night)
- High visibility fluorescent orange (to the highest class) with grey reflective tape
- All-in-one solution: high visibility chemical, biological and antistatic protections in one coverall
- Ideal when working in dangerous environments, darkness or poor weather conditions

CODE	COLOUR	SIZE	PACK QTY	CTN QTY
DUD154529OO	Orange	M-3XL	1	25



EN ISO 20471 | EN13982-1 5 Type 5-B | EN13034 6 Type 6-B | EN 1073-2 Class 1 | EN 1149-5 | EN 14126



Tyvek
DUPONT

Cat. III | EN13982-1
Type 3-B | Type 4-B | Type 5-B
EN13034 | EN 1073-2 | EN 1149-5 | EN 14126
Type 6-B | Class 2

TYVEK® 800J

FEATURES AND BENEFITS

- The breathable Type 3 garment for protection against water-based inorganic chemicals under pressure
- Effective barrier against small-sized hazardous particles and oils
- Bright, over-taped seams aid wearer identification
- Soft and lightweight fabric that is permeable to both air and water vapour

CODE	COLOUR	SIZE	PACK QTY	CTN QTY
DUD154416WW	White with orange tape	S-4XL	1	25



Tychem
DUPONT

Cat. III | EN13982-1
Type 3-B | Type 4-B | Type 5-B
EN13034 | EN 1073-2 | EN 1149-5 | EN 14126
Type 6-B | Class 1

TYCHEM® 2000 C

FEATURES AND BENEFITS

- Protection against numerous concentrated inorganic chemicals and biohazards
- Protective seams, stitched and over-taped with barrier-tape, providing barrier performance equal to that of the fabric
- Double self-adhesive zipper flap and thumb loops provides a high level of protection

CODE	COLOUR	SIZE	PACK QTY	CTN QTY
DUD134949YY	Yellow	S-4XL	1	25



Tychem
DUPONT

Cat. III | EN13982-1
Type 3-B | Type 4-B | Type 5-B
EN13034 | EN 1073-2 | EN 1149-5 | EN 14126
Type 6-B | Class 1

TYCHEM® 2000 C PLUS

FEATURES AND BENEFITS

- Protection against numerous concentrated inorganic chemicals and biohazards
- Double zipper and double cuff system offers an enhanced level of protection

CODE	COLOUR	SIZE	PACK QTY	CTN QTY
DUD153340YY	Yellow	S-4XL	1	20



Tychem
DUPONT

Cat. III | EN13982-1
Type 3-B | Type 4-B | Type 5-B
EN13034 | EN 1073-2 | EN 1149-5 | EN 14126
Type 6-B | Class 1

TYCHEM® 6000 F PLUS

FEATURES AND BENEFITS

- Protection against numerous toxic industrial organic chemicals, highly concentrated inorganic chemicals and biohazards
- Double zipper and double cuff system offers an enhanced level of protection

CODE	COLOUR	SIZE	PACK QTY	CTN QTY
NN006000FGY	Grey	M-3XL	1	10



TYVEK® 500 ACCESSORIES

- Assorted Tyvek® 500 Accessories for any scenario
- Boot cover and Shoe cover with slip retardant sole
- Sleeves with elastic opening
- Labcoat with zipper, elasticised cuffs and 2 x pockets
- Apron with neck and waist ties

CODE	DESCRIPTION	COLOUR	SIZE	PACK QTY	CTN QTY
TYVPOSASWH	Shoe cover	White	42-46	1	200
TYPOBASWH00	Boot cover	White	One size	1	200
TYVPS32SWH	Sleeves	White	One size	1	200
TYVPL30SWH	Labcoat	White	S-2XL	1	50
TYVPA30SWH	Apron	White	One size	1	100



TYCHEM® 2000 C ACCESSORIES

- Assorted Tychem® 2000 Accessories for any scenario
- Knee length boot cover with ties and slip retardant sole
- Sleeves 50cm with elasticised cuff and arm and taped seams
- Gown with rear closure and double cuff
- Apron with neck and waist ties

CODE	DESCRIPTION	COLOUR	SIZE	PACK QTY	CTN QTY
TYCPOBASYL	Boot cover	Yellow	One size	1	50
TYCPS32SYL	Sleeves	Yellow	One size	1	50
TC290TYL	Gown	Yellow	M-2XL	1	25
TYCPA30SYL	Apron	Yellow	One size	1	25



TYCHEM® 6000 F ACCESSORIES

- Assorted Tychem® 6000 Accessories for any scenario
- Knee length boot cover with ties and slip retardant sole
- Sleeves 50cm with elasticised cuff and arm and taped seams
- Apron with neck and waist ties

CODE	DESCRIPTION	COLOUR	SIZE	PACK QTY	CTN QTY
TYFPOBASGY	Boot cover	Grey	One size	1	50
TYFPS32SGY	Sleeves	Grey	One size	1	50
TF290TGY	Gown	Grey	M-2XL	1	25
TYFPA30SGY	Apron	Grey	One size	1	25




FRONTIER
TAKT
Cat.II
EN388
4131X
SIZE:XL
CE



HAND PROTECTION 1

NINJA SMART TECHNOLOGY · FRONTIER SAFETY · Ansell · uvex · MACK · Contego TOUGH GLOVES · BOOMERANG

SELECTION OF THE RIGHT TYPE OF GLOVE IS ESSENTIAL IN PROTECTING USERS FROM HAZARDS THAT THEY MAY ENCOUNTER DURING THEIR WORK.

Hazards can include chemicals, biological hazards, heat, extreme cold, abrasive surfaces and mechanical hazards. Gloves can protect against chemical exposure, infections, burns, cuts, punctures and other damage to skin tissue, but may even guard against bone and cartilage trauma of the hand.

CUT RESISTANT GLOVES	124-128
INDUSTRIAL PUNCTURE RESISTANT GLOVES	129
GENERAL HANDLING GLOVES	131-134
MECHANICS / ANTI-IMPACT & VIBRATION RESISTANT GLOVES	136-139
COLD RESISTANT GLOVES	140
HEAT RESISTANT & WELDING GLOVES	142-144
ELECTRICAL SAFETY GLOVES	145
CHEMICAL RESISTANT GLOVES & GAUNTLETS	146-149
GENERAL PURPOSE COTTON & LEATHER GLOVES	151-153
SINGLE USE DISPOSABLE GLOVES & ACCESSORIES	154-155

HEALTH AND SAFETY
FOR YOUR HANDS

HANDS AT WORK ARE EXTREMELY VULNERABLE TO A WIDE RANGE OF HAZARDS WHICH INCLUDE CUTS, BLOWS, CHEMICAL ATTACK AND TEMPERATURE EXTREMES. YOUR HANDS ARE YOUR MOST IMPORTANT TOOLS, SO WE WANT TO PROTECT THEM WITH THE BEST.

WHAT GOES INTO GREAT GLOVES?

With our wide range of work gloves you can count on the ultimate combination of functionality, durability, economy and protection to match your specific job requirements. Today, industry has increasingly complex, sensitive and often hazardous manufacturing and handling processes. Hence our offering helps identify your safest “fit for purpose” options.

THE IMPORTANCE OF GLOVE MAINTENANCE

Wearers must take careful note of the condition of their gloves and replace them as soon as any degradation, contamination or damage has taken place that renders the gloves ineffective for their intended function. This is especially important for chemical-resistant gloves that offer the wearer protection from serious hazards.

Check for gloves that have become brittle or cracked, softened excessively, or show signs of becoming abnormally porous. Effective protection is maintained by regular replacement of the gloves.



Protective gloves must be worn

CARE BEFORE USING GLOVES IN CHEMICAL ENVIRONMENTS

BEFORE USE

- Make sure gloves are dry both inside and out before reusing
- Thoroughly wash and dry your hands before donning the gloves.

DURING USE

- Slightly folding the sleeve of the glove over itself will help prevent unwanted substances from coming into contact with the arms
- Frequently check that the gloves are not displaying any signs of degradation or becoming porous
- DO NOT use gloves beyond the recommended exposure time, as highlighted within a COSHH (Control of Substances Hazardous to Health) assessment.

REMOVAL

- Always follow user instructions when removing gloves
- Heavily contaminated gloves should be disposed of safely and should be removed from the hand by easing each glove off with the other until they can be safely dropped into a suitable container.

CLEANING

- Remove excess contaminant. If safe to do so, gloves may then be washed with mild detergent in warm water (provided that the contaminant does not have an adverse reaction to water) and left to dry.



GLOVE STANDARDS AND RECENT CHANGES TO EN388

THE EN388 STANDARD HAS CHANGED IN MANY FACETS. PREVIOUSLY, THE EN388 WAS A COMPILATION OF FOUR TESTS (ABRASION, CUT, TEAR, PUNCTURE) USED FOR DETERMINING THE MECHANICAL PROTECTION LEVELS OF PPE MATERIALS.

Used in European markets, this test has been making its way globally as a widely accepted standard for measuring protective properties of industrial PPE. Even the Australian Standard has this test embedded in its regulations.

The main changes revolve around cut testing. It's a topic that's been talked about in the hand safety industry over the past several years regarding cut testing: how accurate is EN388's old Coup Test when it comes to high cut resistance materials? To be clear, this is the test that determined that a glove was Cut 5 or 3 etc.

The Coup Test measures the amount of cut resistance using a circular blade that travels back and forth (like a pizza cutter) across the palm section of the product being tested under a fixed weight of 500 grams.

When testing materials have a high amount of cut resistance, the blade dulls over time, which can skew the results. This, along with other aspects of the test, makes it hard for safety managers and users alike to gauge the true cut resistance of their PPE.

Now, with the revised standard, the Coup Test is limited to a maximum number of 60 rotations, whether the blade has cut through the material sample or not. If the test reaches 60 rotations, the material is required to be tested using the ISO 13977 Cut Resistant Method, also commonly known as the TDM 100 Test.

The result of the TDM Test is used to determine the actual cut resistance of the glove material and assesses how much force is needed to cut the material over a 20mm stroke using a straight blade. Cut levels in this test are characterized by letters A to F.

The addition of the ISO 13977 Cut Test Method and the TDM Test will help ensure that cut materials are receiving accurate scores, which in turn will help workers make more informed decisions about their safety. With these changes, manufacturers can now opt out of performing the Coup Test and perform only the TDM 100 test if desired.

ADDITIONAL EN388 CHANGES

ABRASION RESISTANCE TESTING

The revised EN388 Standard also calls for a new type of abrasive paper to be used during abrasion resistance testing. The original test method will remain the same –a sample from the glove's palm will be rubbed with abrasive paper to determine how long it takes for a hole to wear through the material. While not a significant modification, the updated method may change some abrasion resistance test scores.

IMPACT PROTECTION

If gloves have impact protection on the back of the hand, they have the option to be tested to verify their protective properties. EN 388:2016 contains a test for impact resistance where testing is carried out in accordance with clause 6.9 of EN 13594. Gloves must meet the requirement of level 1 of EN 13594:2015.

The impact test consists of placing the (back-of-hand/knuckle) impact resistant material from the glove over a domed anvil (basically a block of metal with a flattened circular top surface) and dropping a 2.5kg flat face surface striker from a sufficient height to provide an impact energy of 5 joules. (Joules are the derived unit used to measure the force of one newton in the direction of its motion through a distance of one-newton meter.)

The peak force is detected and recorded by a sensor that's beneath the anvil. This test is done four times in each area of protection taken from four different gloves. This helps ensure the results are consistent across the board. To pass the test, the transmitted force needs to be less than or equal to 7 kilonewtons with no single results greater than 9 kilonewtons.



If TDM Cut Test has not yet been performed - **X** will be added to marking

If Glove passes Impact protection standard - **P** can be added to marking

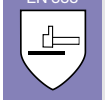
3X43EP

- **NEW!** Impact Protection
- **NEW!** (TDM Test) Cut
- (N) Puncture
- (N) Tear
- (Couple Test) Cut
- (Cycles) Abrasion

	LOW Cut protection level	MEDIUM Cut protection level	HIGH Cut protection level		EXTRA HIGH Cut protection level	
Performance level rating	A	B	C	D	E	F
Cut resistance (Newton)	> 2	> 5	> 10	> 15	> 22	> 30
Suggested applications	Light material handling without sharp edges objects, part assembly, automotive maintenance, construction, multipurpose...	Packaging, warehouse, light metal stamping, automotive and white goods parts assembly...	Light duty sheet metal and glass handling, metal stamping, plastics, tyre production, automotive and white goods industries...	Sheet metal and glass/bottle handling, metal stamping, light duty meat and poultry handling, carpentry, printing...	Heavy duty sheet metal handling. Plate glass handling, metal recycling, waste management, meat and poultry handling, printing...	Heavy duty sheet metal handling, metal recycling, waste management, heavy duty meat processing, slaughterhouses...

COMPLIANCE AND TEST STANDARDS

WHAT THE SYMBOLS REPRESENT



EN 388:2016
This Standard applies to all kinds of protective gloves giving protection from mechanical risks, in respect of physical problems caused by abrasion, blade cut, tearing or puncture.



EN 374
This Standard specifies the capability of gloves to protect the user against chemicals and/or micro-organisms.



CHEMICAL RESISTANCE
The letter code applies to the chemicals the glove is resistant to.



Low chemical resistance to unspecified chemicals.



EN 511
This Standard applies to gloves which protect the hands against convective and contact cold.



EN 407
This Standard specifies thermal performance for protective gloves against heat and/or fire.



EN 659
This Standard defines performance requirements for gloves designed to protect fire fighters against heat and flames.



EN 421
This Standard lays down test methods and performance criteria for gloves offering protection against ionising radiation and radioactive contamination.



EN 455
Medical gloves for single use. If a glove is to be used for food handling, it is required to carry either the words 'for food use' or this symbol.

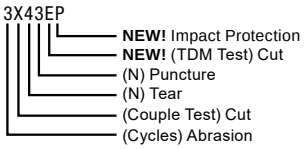
WHAT THE NUMBERS REPRESENT

EN 388:2016



If TDM Cut Test has not yet been performed - **X** will be added to marking

If Glove passes Impact protection standard - **P** can be added to marking



EN 511: COLD



	PERFORMANCE LEVEL		
(a) Resistance to convection cold	0-4		
(b) Resistance to contact cold	0-4		
(c) Permeability to water	0-12	250	>15
	3	350	>15
	4	500	>15

EN 407: THERMAL HAZARDS



	PERFORMANCE LEVEL
(a) Burning behaviour	0-4
(b) Contact heat	0-4
(c) Convective heat	0-4
(d) Radiant heat	0-4
(e) Small splashes of molten metal	0-4
(f) Large splashes of molten metal	0-4

CONTACT HEAT

A sample is taken from the palm area of a glove. The outside of the glove is put on a hot surface and the temperature of the inside of the glove is then monitored. The temperature on the inside of the glove must take 15 seconds or more to rise by 10°C from room temperature.



EN 407 PERFORMANCE LEVEL	CONTACT TEMP. °C	THRESHOLD TIME SECONDS
1	100	>15
2	250	>15
3	350	>15
4	500	>15

THE IMPORTANCE OF GLOVE MAINTENANCE

Wearers must take careful note of the condition of their gloves and replace them as soon as any degradation, contamination or damage has taken place that renders the gloves ineffective for their intended function. This is especially important for chemical-resistant gloves that offer the wearer protection from serious hazards.

Check for gloves that have become brittle or cracked, softened excessively, or show signs of becoming abnormally porous. Effective protection is maintained by regular replacement of the gloves.

CARE BEFORE USING GLOVES IN CHEMICAL ENVIRONMENTS

BEFORE USE

- Make sure gloves are dry both inside and out before reusing
- Thoroughly wash and dry your hands before donning the gloves.

DURING USE

- Slightly folding the sleeve of the glove over itself will help prevent unwanted substances from coming into contact with the arms
- Frequently check that the gloves are not displaying any signs of degradation or becoming porous
- DO NOT use gloves beyond the recommended exposure time, as highlighted within a COSHH (Control of Substances Hazardous to Health) assessment.

REMOVAL

- Always follow user instructions when removing gloves
- Heavily contaminated gloves should be disposed of safely and should be removed from the hand by easing each glove off with the other until they can be safely dropped into a suitable container.

CLEANING

- Remove excess contaminant. If safe to do so, gloves may then be washed with mild detergent in warm water (provided that the contaminant does not have an adverse reaction to water) and left to dry.

GLOVE SIZES

Poorly fitting gloves can cause injury due to the glove slipping and the user lacking dexterity if the glove are too loose. Use the guide below to assist with choosing the right sized glove.

WHAT'S MY GLOVE SIZE?

Measure the circumference of your hand in inches or centimetres between thumb and knuckle, then locate your size in the chart.



SIZE ALPHA	SIZE NUMERIC	HAND IN CENTIMETERS	HAND IN INCHES
XXS	5	12.7 - 15.2	5" - 6"
XS	6	15.2 - 17.7	6" - 7"
S	7	17.7 - 20.3	7" - 8"
M	8	20.3 - 22.8	8" - 9"
L	9	22.8 - 25.4	9" - 10"
XL	10	25.4 - 27.9	10" - 11"
2XL	11	27.9 - 30.4	11" - 12"

THE ART OF PERFORMANCE

THE SYMBOLS APPEARING NEXT TO NINJA GLOVES INDICATE THE COATING TECHNOLOGIES USED UNLESS OTHERWISE STATED

NFT NEW FOAM TECHNOLOGY™
Unmatched Comfort and Durability

PFT PREMIUM FOAM TECHNOLOGY
Excellent Dry and Oil Grip

NFT™ - UNMATCHED COMFORT AND DURABILITY

The New Foam and Premium Foam Technology is a unique proprietary technology offering the most technologically advanced, lightweight, breathable, comfortable and durable gloves that feel like a second skin. Rigorously engineered to give outstanding grip, abrasion resistance and dexterity for precision handling in oily, greasy and dry environments. It is one of Ninja®'s next-generation technologies.



HPT HYDROPELLENT TECHNOLOGY™
Superior Grip and Dexterity

HPT™ - SUPERIOR GRIP AND DEXTERITY

The Hydropellent Technology is a unique proprietary coating that repels liquid and provides excellent grip in wet, dry and oily conditions. The HPT™ offers secure handling gloves that are extremely lightweight and dexterous with superior grip features for maximum control in wet environments. Furthermore, this unique coating has "encapsulated air pockets" which absorb and mitigate the effects of light vibrations enhancing its grip performance.





GLOVE SELECTION GUIDE

GLOVE TYPE	PHOTO	USE TYPE	ADVANTAGES	DISADVANTAGES
NITRILE, DISPOSABLE		• Incidental chemical contact use only • General lab chemical use • Commonly used in the medical field	• Good general lab use glove, adequate protection from many organic solvents, oils, greases, and some acids and bases • Good protection from blood, cell lines, and tissue • Clear indication of tears and breaks • Excellent dexterity • Non-allergenic	• Not effective for direct contact use • Not effective for use with many halogenated solvents
LATEX, DISPOSABLE		• Incidental chemical contact use only • Commonly used in the medical field • Not suitable for many lab settings	• Good protection from many biological agents, including blood, cell lines, and tissue • Provides good protection from some acids and bases • Excellent dexterity	• Not effective for direct contact use • Not effective for use with many organic solvents • Allergenic • Difficult to detect tears and breaks
NEOPRENE RUBBER		• Suitable for direct contact with some chemicals	• Good protection from many ketones, esters, gases, vapours, acids, and bases • Can be decontaminated / reused • Puncture and tear resistant	• Not effective for use with gasoline, aliphatic, aromatic, and halogenated hydrocarbons • Poor dexterity
PVC		• Suitable for direct contact with some chemicals	• Good protection from many acids, bases, oils, fats peroxides, and amines • Can be decontaminated / reused • Puncture and tear resistant	• Not effective for use with many organic solvents • Average dexterity
GENERAL PURPOSE NITRILE COATED		• Incidental chemical contact use only	• Good all-purpose work glove where very minor chemical contamination is possible; provide minimal chemical resistance • Can be decontaminated / reused • Puncture and tear resistant • Good dexterity and grip	• Not effective for direct and/or prolonged exposure to chemicals
CUT-RESISTANT		• Used when handling sharp objects • Incidental chemical contact use only	• Excellent cut resistance to sharp objects such as razor blades and pipette tips • Some provide minimal chemical resistance • Can be decontaminated / reused • Good dexterity and grip	• Not effective for direct and/or prolonged exposure to chemicals
LEATHER		• Non-hazardous material handling; not to be used with chemicals	• Good all-purpose work glove for non-hazardous material handling • Puncture and tear resistant	• Not effective for use with hazardous chemicals as leather absorbs liquids • Poor dexterity
HEAT RESISTANT GLOVES		• Used when handling hot surfaces	• Excellent protection from hot surfaces such as autoclaves and drying ovens • Designed to be reused for long periods of time	• Not effective for use with hazardous chemicals as leather absorbs liquids • Poor dexterity
IMPACT RESISTANT GLOVES		• Used when there is risk of blunt trauma to palm, back of hand or both	• Reduces extent of injury by absorbing impact force. • Reduces the effect of vibration and therefore the risk of nerve compression and tendon inflammation in the hand and wrist	• Some dexterity may be lost in to achieve additional safety


Contego
Contego
Contego
TOUGH GLOVES

YOUR GUIDE TO GLOVE TYPES

TO MAKE IT EASIER TO CHOOSE THE APPROPRIATE GLOVE FOR THE REQUIRED TASK(S), PLEASE USE THIS GUIDE BELOW.



CUT RESISTANT GLOVES
Protects hands from sharp tools or objects in dry environments

PAGE 124-128



INDUSTRIAL PUNCTURE RESISTANT GLOVES
Protects hands from sharp tools or objects in wet and oily environments

PAGE 129



GENERAL HANDLING GLOVES
Protects hands when performing general tasks in dry environments

PAGE 131-134







MECHANICS / ANTI-IMPACT AND VIBRATION RESISTANT GLOVES
Protects hands from impact damage and vibration

PAGE 136-139



COLD RESISTANT GLOVES
Protects hands when handling cold objects

PAGE 140



HEAT RESISTANT AND WELDING GLOVES
Protection when handling hot objects

PAGE 142-144



ELECTRICAL SAFETY GLOVES
Protects hands when performing general tasks in wet and oily environments

PAGE 145



CHEMICAL RESISTANT GLOVES & GAUNTLETS
Protection from harmful chemicals/substances

PAGE 146-149



LEATHER & COTTON GLOVES
Protects hands in general assembly environment

PAGE 151-153



SINGLE USE DISPOSABLE GLOVES
Protects against cross-contamination

PAGE 154-155



SLASH-TEC BA2 - CUT B

FEATURES AND BENEFITS

- Cut Level B 18 gauge HPPE, glass, nylon/spandex plaited composite knitted liner
- Outstanding cut resistance, high performance engineered liners made from high tensile yarns made in Ninja®'s own manufacturing facilities, for outstanding cut resistant quality
- The most lightweight liner and coating for maximum comfort and cut resistance
- Re-enforcement between thumb and forefinger greatly extends the life of the glove
- Excellent grip in oily, dry and wet conditions
- NFT coating enables air diffusion to release heat for 360° breathability

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
NIMAXIMC3GG	S-2XL	Green	12	144 pairs



SLASH-TEC BA2 - CUT B OIL

FEATURES AND BENEFITS

- Cut Level B, 18 gauge HPPE, glass, nylon/spandex plaited composite knitted liner
- Outstanding cut resistance, high performance engineered liners made from high tensile yarns made in Ninja®'s own manufacturing facilities, for outstanding cut resistant quality
- The most lightweight liner and coating for maximum comfort and cut resistance
- Re-enforcement between thumb and forefinger greatly extends the life of the glove
- Excellent grip in oily, dry and wet conditions
- NFT coating enables air diffusion to release heat for 360° breathability

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
NIMXOILC3BL	S-2XL	Blue	12	144 pairs



SLASH-TEC CA3 - CUT C

FEATURES AND BENEFITS

- Cut Level C 15 gauge HPPE, glass nylon/spandex plaited composite knitted liner
- High performance engineered liners made from high tensile yarns made in Ninja®'s own manufacturing facilities, for outstanding cut resistant quality
- The most lightweight liner and coating for maximum comfort and cut resistance
- Re-enforcement between thumb and forefinger greatly extends the life of the glove
- Excellent grip in oily, dry and wet conditions
- NFT coating enables air diffusion to release heat for 360° breathability
- Hi-vis liner and coating option for compliance visibility

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
NIMAXIMC5BL	S-2XL	Blue	12	144 pairs
NIMAXIMC5FY	S-2XL	Fluro Yellow	12	144 pairs



SLASH-TEC DIAMOND DA3 - CUT D

FEATURES AND BENEFITS

- Cut Level D 15 gauge Dyneema® Diamond, nylon/spandex knitted liner
- Soft PU coating offering excellent grip as well as superb flexibility and comfort
- The dramatically thin fibre of Dyneema® Diamond technology allows for increased cut resistance without the fibreglass discomfort. It allos for better feel and control and radiates heat away from hands for 360° breathability

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
NIDIAMNC5S5	S-2XL	Light Green	12	144 pairs

NINJA RAZR



NFT NEW FOAM TECHNOLOGY

CERTIFIED PRODUCT
AUSTRALIA & NZ STANDARDS
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
AS/NZS 2161.4:1999
BMP 757224

EN388:2016
4X21D
MECHANICAL

EN388 Cut D Cut

EN407:2004
X1XXXX

SLASH-TEC DA4 - CUT D

FEATURES AND BENEFITS

- Excellent Cut D resistance, made from para-aramid steel composite yarn
- Extremely lightweight 18 gauge liner offers high dexterity and tactile sensitivity
- Touchscreen compatible
- Highest level oil grip and excellent dry and wet grip
- NFT™ coating enables air diffusion to release heat for 360° breathability
- Extreme durability and abrasion resistance plus thumb crotch reinforcement

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
NIRZRSTDOBBB0XS	XS-3XL	Black	12	120 pairs

NINJA RAZR



NFT NEW FOAM TECHNOLOGY

CERTIFIED PRODUCT
AUSTRALIA & NZ STANDARDS
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
AS/NZS 2161.4:1999
BMP 757224

EN388:2016
4X42F
MECHANICAL

EN388 Cut F Cut

EN407:2020
X1XXXX
HEAT

SLASH-TEC FA6 - CUT F

FEATURES AND BENEFITS

- Superior Cut F resistance, made from Kevlar® 360° protection
- Proprietary fine 18 gauge liner feels like a second skin
- Touchscreen compatible
- Superior grip in oily, dry and wet conditions
- NFT coating enables air diffusion to release heat for 360° breathability
- Full thumb and forefinger reinforcement plus NFT™ coating for high abrasion resistance

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
NIRZRSTFEBBB	XS-3XL	Black	12	120 pairs

Contego™ TOUGH GLOVES



EN388:2016
4X42CP

HYBRIDZ - CUT C IMPACT

FEATURES AND BENEFITS

- Anti-Impact: Padded palm insert for effective damping of impacts to the hand and vibrations
- 360° Cut C resistance
- Impact Protection: Soft and flexible TPR protects against blows or crush injury to the backs of hand and fingers
- Breathable foam nitrile palm with extra flexibility for optimal fit and dexterity

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
COHYBRIDZGY	M-2XL	Grey	6	72 pairs

NINJA RAZR



NFT NEW FOAM TECHNOLOGY

CERTIFIED PRODUCT
AUSTRALIA & NZ STANDARDS
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
AS/NZS 2161.4:1999
BMP 757224

EN388:2016
4X42FP
MECHANICAL

EN388 Cut F Cut

EN407:2020
X1XXXX
HEAT

SLASH-TEC FA6 - CUT F IMPACT

FEATURES AND BENEFITS

- Superior Cut F resistance, made from Kevlar® 360° protection
- Solid impact protection on the back of hand and fingers
- Proprietary fine 18 gauge liner feels like a second skin
- Touchscreen compatible
- Superior grip in oily, dry and wet conditions
- NFT coating enables air diffusion to release heat for 360° breathability
- Full thumb and forefinger reinforcement plus NFT™ coating for high abrasion resistance

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
NIRZRSTFIBB	XS-3XL	Black	12	120 pairs



IGUANA PU - CUT C

FEATURES AND BENEFITS

- Cut Level C protection
- Puncture Level 2 protection
- Seamless 13 gauge shell for enhanced dexterity
- PU coat for wet, oily and dry enhanced grip
- Hi vis yellow for increased visibility

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRCLTPUC5FY	S-2XL	Fluro Yellow	12	120 pairs



RHINO WITH LEATHER PALM - CUT C

FEATURES AND BENEFITS

- Cut C Level 5 protection
- Leather palm on 10g seamless shell for extra resistance to cuts and punctures
- Heavy duty with high dexterity
- Resistance to contact heat rated to level 1
- Excellent abrasion resistance
- Effective wet grip

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRRHINOC5GY	M-2XL	Grey	12	120 pairs



IGUANA NITRILE - CUT C

FEATURES AND BENEFITS

- Cut C Level 5 protection
- Puncture Level 3 protection
- Seamless 13 gauge shell for enhanced dexterity
- Micro foam nitrile coat for superior wet and oily grip
- Air capillaries provide enhanced padding and vibration

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
FRIGUANC5BK	Black	12	120 pairs
FRIGUANC5FL	Fluro Lime	12	120 pairs



MAARAKA NITRILE - CUT C

FEATURES AND BENEFITS

- Cut resistance Level C protection
- Puncture Level 3 protection
- 360° cut resistance
- Micro foam nitrile coating for superior wet and oily grip
- Breathable foam nitrile palm with extra flexibility for optimal fit and dexterity
- Extra thumb crotch reinforcement provides extreme durability in high wear areas
- Air capillaries provide enhanced padding and vibration

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
CWMAARAC5FY	XS-3XL	Fluro Yellow	6	120 pairs


iguana
FRONTIER
iguana
EN 388
4X42C
SIZE: XL



Ansell

EN 388:2016
4X42C



HYFLEX 11-561 NITRILE - CUT C

FEATURES AND BENEFITS

- Ultra-lightweight design
- Excellent durability and abrasion resistance
- Dermatest® and Oeko-Tex® certification for skin-friendliness
- Touchscreen compatible

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
AN011561IBY	5-12	Blue Grey	12	12 pairs

Ansell

EN 388:2016
4X43D
EN 16350



HYFLEX 11-571 - CUT D

FEATURES AND BENEFITS

- Ultra-lightweight design
- Superior resistance using Next Generation single HPPE yarn
- Excellent durability and abrasion resistance
- Touchscreen compatible
- Part of the Ansell Earth sustainably made range

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
AN0011571GY	6-12	Grey	12	144 pairs

uvex



EN 388:2016
4X43F

HEXARMOR POINTGUARD ULTRA 9032 - CUT F NITRILE & LEVEL 5 NEEDLESTICK

FEATURES AND BENEFITS

- Highest needlestick and cut resistance available on noted enhanced areas, with EN388 Cut Level F and needlestick Level 5 (tested to ANSI/ISEA 105-2016 ASTM F2878 Hypodermic Needle Puncture Test)
- 15-gauge hi-vis polyester shell enhances visibility and worker compliance
- Sandy nitrile three-quarter knuckle palm coating provides superior grip and abrasion resistance
- Knit wrist helps prevent dirt and debris from entering the glove
- Seamless construction for enhanced comfort and breathability while maintaining dexterity and tactility

CODE	SIZE	COLOUIR	PACK QTY MOQ	CARTON QTY
UVPG90320BL	7-10	Blue	1	36 pairs

uvex



EN 388:2016
4X12F

HEXARMOR HERCULES NSR 3041 - CUT F & LEVEL 5 NEEDLESTICK

FEATURES AND BENEFITS

- Three layers of needlestick SuperFabric® brand material in the palm and back-of-hand provides EN388 Cut Level F and needlestick Level 5 (tested to ANSI/ISEA 105-2016 ASTM F2878 Hypodermic Needle Puncture Test)
- Two layers of SuperFabric® brand material in the fingertips and fourchettes/finger side walls provides needlestick Level 2
- Specialised silicone gripping surface on palm
- Full coverage design and pre-curved shape for maximum comfort and ultimate protection
- SlipFit® cuff assists a quick on and off between tasks

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
NNHEX3041BB	7-11	Black	1	36 pairs



NINJA® MAXIM
GRIPX
NINJA

NINJA MAXIM



EN388:2016
4121A
MECHANICAL

Complies to
Australian Standard
AS/NZS 2161.2:2005
AS/NZS 2161.3:2005

MAXIM DEXTEC - CUT A

FEATURES AND BENEFITS

- Fine gauge synthetic liner offers a snug fit and feels like a second skin
- Low particulate shedding, great for contamination sensitive applications
- Soft, 360° breathable, flexible coating offers all day comfort
- Excellent grip in dry, wet and oily conditions
- High abrasion resistance

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
NIMXDTNFTGY	XS-2XL	Grey	12	12 pairs

NINJA MAXIM

INGENIA ECO-FRIENDLY YARN

PFT PREMIUM FOAM TECHNOLOGY



EN388:2016
4121A
MECHANICAL

EN407:2004
X1XXXX
HEAT

Complies to
Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
AS/NZS 2161.4:1999

MAXIM EVOLUTION - CUT A

FEATURES AND BENEFITS

- Lightweight liner fits like a second skin
- Eco-friendly Ingenia™ performance yarn is highly durable & moisture wicking to keep hands dry
- Touchscreen compatible
- Low-particulate shedding, great for contamination and sensitive applications
- Seamless, ventilated liner and PFT™ coating provides 360° breathability
- Provides good wet grip & excellent dry & oil grip
- Excellent durability against abrasion

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
NIMXEVOLUGY	XS-3XL	Grey	12	144 pairs

NINJA MAXIM

HPT HYDROPELLANT TECHNOLOGY



EN388:2016
3131X
MECHANICAL

Complies to
Australian Standard
AS/NZS 2161.2:2005
AS/NZS 2161.3:2005

MAXIM GRIPX

FEATURES AND BENEFITS

- 15 gauge nylon/spandex knitted liner
- Soft, flexible HPT™ (Hydropellent Technology) coating provides highest level of wet, oily and dry grip
- Anti-wet liner wicks liquids from back of hand for 360° breathability
- Encapsulated air pockets mitigate effects of light vibrations
- Approved to AS/NZS 2161.3:2005

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
BNGRPXHPTBK	Black	12	144 pairs
BNGRPXHPTFY	Fluro Yellow	12	144 pairs

NINJA MAXIM

NFT NEW FOAM TECHNOLOGY



EN388:2016
4131A
MECHANICAL

EN407:2004
X1XXXX

Complies to
Australian Standard
AS/NZS 2161.2:2020
AS/NZS 2161.3:2020
AS/NZS 2161.4:1999

MAXIM COOL - CUT A

FEATURES AND BENEFITS

- 15 gauge nylon/spandex knitted liner fits like a second skin
- Seamless, ventilated liner and NFT™ coating provides 360° breathability, keeping hands cool
- Excellent durability against abrasion
- Ergonomic design allows minimum hand fatigue, increasing productivity and comfort
- NFT™ coating provides superior grip in oily, dry and wet conditions

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
NIMXCLNFTGY	Grey	12	144 pairs
NIMXCLNFTFY	Fluro Yellow	12	144 pairs

GENERAL HANDLING

NINJA MAXIM



EN388:2016
3121X
MECHANICAL

Complies to
Australian Standard
AS/NZS 2161.2:2005
AS/NZS 2161.3:2005

MAXIM MULTI LITE - PU

FEATURES AND BENEFITS

- 18 gauge skin tight athletic grade nylon shell acts as a second skin to provide tactile sensitivity
- Lightweight PU coating provides 360° breathability
- PU coating conceals dirt & grime
- Provides excellent wet, dry and light oil grip
- PU coating conceals dirt and grime

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
NIMLTLITEBL	Blue	12	144 pairs

NINJA MAXIM



EN388:2016
2131X
MECHANICAL

Complies to
Australian Standard
AS/NZS 2161.2:2005
AS/NZS 2161.3:2005

MAXIM MULTI FLEX - LATEX

FEATURES AND BENEFITS

- 15 gauge nylon/spandex knitted liner feels like a second skin
- Ultra-light latex coated palm provides excellent grip in both wet and dry environments
- Elasticised wrist provides a secure fit

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
NIMLTFLEXRR	Red	12	144 pairs

FRONTIER SAFETY



EN388
4132

TAKT - NITRILE MICRO FOAM

FEATURES AND BENEFITS

- 13 gauge seamless nylon shell for enhanced dexterity
- Micro foam nitrile coat for excellent wet and dry grip
- Coating provides vibration absorption for added comfort

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
FRFNITGLVBK	Black	12	144 pairs
FRFNITGLVGW	Grey / White	12	144 pairs

FRONTIER SAFETY



EN388
4132

TAKT - PU

FEATURES AND BENEFITS

- 13 gauge seamless nylon shell for enhanced dexterity
- PU coat for excellent wet and dry grip
- Coating provides vibration absorption for added comfort
- Dark colouring to hide dirt

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
FRNYLONPUBK	Black	12	144 pairs



SPLENDOR - LATEX COATED

FEATURES AND BENEFITS

- Seamless polyester cotton liner
- Roughened latex coating for excellent wet and dry grip
- Ergonomic design, snug fitting
- Excellent abrasion and puncture resistance
- Washable at 42°C

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
NISPLENDRGB	Grey / Blue	12	144 pairs



GLAZR GLASS GRIPPER - LATEX

FEATURES AND BENEFITS

- 100% cotton jersey lining for comfort
- Natural latex coat for enhanced grip
- 100% cotton knit wrist
- Knuckle coated open back
- Washable at 42°C for extended use
- Economy option

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
FRGLSGRPRYY	Yellow	12	144 pairs



HYFLEX 11-818 ULTRA LITE NITRILE FOAM

FEATURES AND BENEFITS

- Soft, snug 18 gauge nylon and spandex liner
- Ultrathin FORTIX™ nitrile patent pending foam coating
- ZONZ™ Comfort Fit Technology
- Breathable nitrile patent pending foam
- Clean & skin friendly

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
11-818	Blue	12	144 pairs



HYLFLEX 11-842 NITRILE RECYCLED

FEATURES AND BENEFITS

- Sustainable design: Made with 90% recycled nylon yarn
- Excellent durability and abrasion resistance
- Certified skin friendly
- Touchscreen compatible
- Part of the Ansell Earth sustainably made range

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
AN1184200GB	Green / Black	12	144 pairs



HYFLEX 11-801 FOAM NITRILE

FEATURES AND BENEFITS

- Suited for slightly oily or dirty environments
- Foam coating provides breathability
- Independently certified as skin friendly by the Oeko-Tex® system

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
AN1180100BB	Black	12	144 pairs



HYFLEX 11-840 NITRILE

FEATURES AND BENEFITS

- Abrasion resistance technology delivery 2x more grip
- Heat protection up to 100°C
- ERGOFORM™ Ergonomic Design: Reduced strain, better ergonomics

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
AN1184000BB	Black	12	12 pairs



HYFLEX 11-939 OIL REPELLENT - CUT B

FEATURES AND BENEFITS

- EN ISO B/ANSI A2 cut protection
- Reinforced thumb crotch
- Ultra-light 18 gauge design and superb dexterity
- Enhanced grip
- Comfort fit knitting and stitch design reduces hand fatigue

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
AN0011939BB	Black	12	144 pairs


11-840
HyFlex®
Ansell
EN407
EN388
4131A
XLXXXX
UK
CA
Made in Sri Lanka
10
CE 0493
EAC
TP TC 019/2011
MM.YYYY

MECHANICS / ANTI IMPACT & VIBRATION RESISTANT



ISA MECHANICS (FORMERLY 'THE ORIGINAL')

FEATURES AND BENEFITS

- 0.8 mm premium breathable synthetic leather palm
- Neoprene padded palm for vibration reduction and comfort
- Perforated forchettes for increased coolness and air flow
- Four way stretch spandex for full movement
- Grip tab closure for increased comfort and improved fit

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
COORIGINLBB	Black	12	72 pairs
COORGNLHV	HV Yellow	12	72 pairs



ISA MECHANICS FINGERLESS

FEATURES AND BENEFITS

- 0.8 mm premium breathable synthetic leather palm
- Neoprene padded palm for vibration reduction and comfort
- Perforated forchettes for increased coolness and air flow
- Four way stretch spandex for full movement
- Grip tab closure for increased comfort and improved fit
- Fingerless for ultimate dexterity

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
COORGNLNFBB	M-2XL	Black	12	72 pairs



VERSADEX

FEATURES AND BENEFITS

- Slim cut design for even light duty, sensitive work
- PU impregnated material on palm offers great tactility
- Thumb crotch for extreme durability
- Palm and knuckle padding for comfort, impact protection and anti vibration
- Stretch spandex with fourchettes for great fit and breathability
- Slip on/off cuff design
- Reinforced pull tab for easy donning

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
COVDEXMEKGY	S-2XL	Grey	12	72 pairs
COVDEXMEKBK	S-2XL	Black	12	72 pairs
COVDEXPK3GL	S-2XL	Grey / Blue / Red	4	24 pairs



GOLDEN EAGLE - LUXURY DEER

FEATURES AND BENEFITS

- Curved fingers with perforated fourchettes for a snug fit and air circulation and air circulation
- Black neoprene knuckle protection
- Grip closure for improved fit and comfort
- High abrasion resistance
- Wing thumb allows better open hand pulling

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
COGLDEAGLYB	S-2XL	Yellow / Black	6	72 pairs



BLACKWATER - CUT D IMPACT

FEATURES AND BENEFITS

- Stretch spandex shell with fourchettes provides breathability, easy movement and a comfortable fit
- TPR impact finger / knuckle strap plus back guard provides extra protection
- Neoprene wrist with impact resistance for extra protection
- Synthetic leather palm with Cut 5 palm resistance according to EN388:2003
- Thumb crotch reinforcement provides extreme durability
- Reinforced textured palm pads and fingertips for grip and durability
- Adjustable closure for a perfect fit

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
COBLKMECHFL	M-2XL	Grey / Orange	6	72 pairs



JABIRU - CUT D IMPACT

FEATURES AND BENEFITS

- Reflective material for high visibility conditions
- Impact finger / knuckle strap / back guard provide extra protection
- Stretch Spandex material provides breathability and a comfortable fit
- Neoprene cuff - snug fit, easy to remove
- EN388 Cut D level back liner provides 100% cut resistance coverage
- Reinforced textured palm pads and fingertips for grip / durability
- ID badge and pull tab provides security and easy donning

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
COJABMECHBG	M-2XL	Black / Orange	6	72 pairs

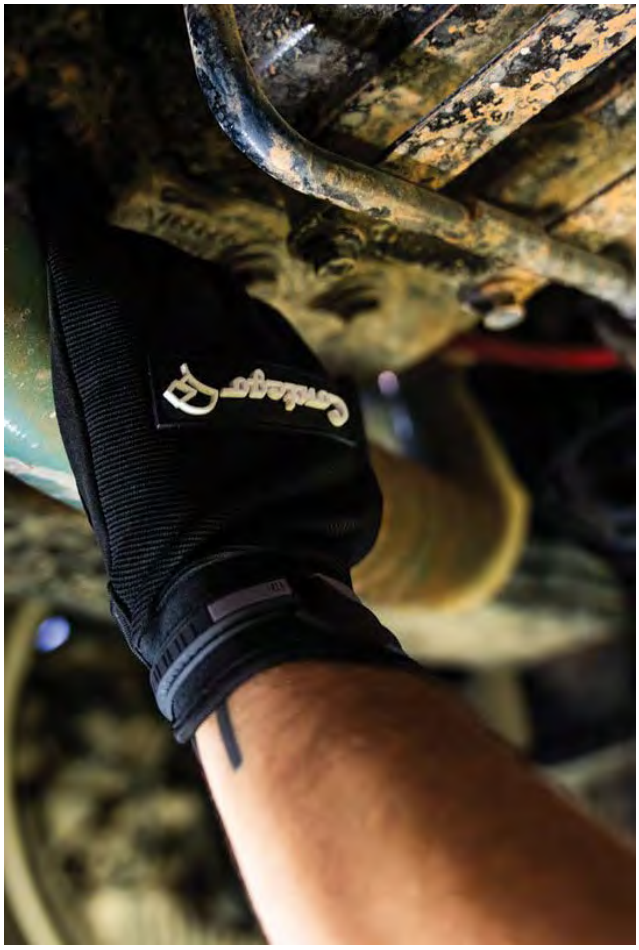


ANTI-VIBRATION

FEATURES AND BENEFITS

- 'A' grade premium cowhide leather
- Cut Level 3 protection
- Neoprene cuff with grip tab closure for comfort and protection
- 2.75mm full gel padded palm and fingers for vibration absorption and comfort

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
COANTIVIBBB	M-XL	Blue / White	6	72 pairs



MECHANICS / ANTI IMPACT & VIBRATION RESISTANT

BOOMERANG



RIGGER - CUT E IMPACT

FEATURES AND BENEFITS

- 360° Cut Level E
- Flexible TPR (Thermoplastic rubber) finger & knuckle impact protection
- Goatskin leather for a soft, luxurious feel, movement and extra comfort
- Kevlar® thread stitching for strength and heat resistance
- Winged thumb for increased flexibility and comfort
- Shirred elastic wrist and grip tab for a secure fit

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
CWCUTPRIGWW	M-3XL	White / Black / Green	6	72 pairs

BOOMERANG



RIGGER - CUT E

FEATURES AND BENEFITS

- 360° Cut Level E resistance
- Kevlar® stitching for strength and heat resistance
- Shirred elastic wrist for a secure fit
- Adjustable grip tab for a secure, slip-free fit
- Extended thumb reinforcement provides extreme durability
- Goatskin leather for a soft, luxurious feel, movement and extra comfort
- Winged thumb (no seam between palm and thumb) for increased flexibility and comfort

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
CWCUTRIGEWW	M-3XL	White	6	72 pairs



BOOMERANG



MOORDITJ MAAR MECHANICS

FEATURES AND BENEFITS

- 0.8 mm premium breathable synthetic leather palm
- Neoprene padded palm for vibration reduction and comfort
- Perforated forchettes for increased coolness and air flow
- Four way stretch spandex for full movement
- Grip tab closure for increased comfort and improved fit

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
NMOORD202BB	S-2XL	Black	6	72 pairs

Ansell



RINGERS R065 CUT RESISTANT IMPACT

FEATURES AND BENEFITS

- Breathable knit shell offers cut resistance
- TPR impact protection and half-dipped nitrile palm
- High-visibility design, with touchscreen-compatible thumb tips, index and middle fingers
- Sandy finish palm for superior grip in wet & dry environments

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
NN000065T	8-13	Black / Yellow / Red	12	72 pairs

Ansell



RINGERS R169 MEDIUM-DUTY IMPACT & CUT RESISTANT

FEATURES AND BENEFITS

- Excellent TPR impact protection to knuckles, thumb & full length of fingers
- Hook and loop TPR pull tab closure, for a more secure fit
- Seamless index finger design further protects areas prone to wear and tear
- Superior Level F cut resistance and ANSI/ISEA 138 Level 2 impact protection
- Premium synthetic leather palm enhances durability

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
NN000R16900	8-13	Yellow / Red	5	50 pairs

Ansell



RINGERS TURBO R133 AUTOMOTIVE

FEATURES AND BENEFITS

- Hook and loop TPR pull tab closure, for a more secure fit
- Touchscreen compatible thumb tips, index and middle fingers
- Excellent comfort and flexibility
- Excellent grip and durability from synthetic leather split-palm construction and wraparound index finger design

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
RI0000133BB	8-13	Black	5	120 pairs

Ansell



RINGERS R840 LIGHT DUTY IMPACT RESISTANT

FEATURES AND BENEFITS

- Excellent TPR impact protection to knuckles, thumb & full length of fingers
- Thumb crotch reinforcement for improved durability
- Enhanced ergonomic design
- Comfort fit technology
- Guaranteed skin friendly

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
AN000R840	6-11	Black / Yellow	4	48 pairs



EN388
3X42C
02X

COLD FIGHTER 3/4 DIPPED INSULATED - CUT C

FEATURES AND BENEFITS

- Dyneema Cut Level C protection
- Contact Cold Level 2 protection
- 3/4 dip HPT foam coating for assured water and oil repellent grip
- HPT foam coating ensures a soft, spongy grip with anti-vibration properties and flexibility to function in low temperatures
- Terry lining provides warmth and comfort for temperatures down to -50°C
- Sanitised with Actifresh® to kill bacteria and promote freshness

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRCOLDFC5BJ	M-2XL	Black / Green	6	72 pairs



EN388:2016
3231X
MECHANICAL
EN511:2006
X2X
COLD

Complies to
Australian Standard
AS/NZS 2161.2:2005
AS/NZS 2161.3:2005

CELSIUS ICE - INSULATED

FEATURES AND BENEFITS

- Nylon and acrylic double knitted liner provides comfort and high dexterity like a second skin
- HPT™ coated palm & fingertips remain soft and flexible in temperatures as low as -20°C
- Soft, durable HPT™ (Hydropellent) coating provides flexibility and repels liquid ensuring an excellent wet, dry and oil grip

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
NIICEFRZRBK	Black	6	72 pairs
NIICEFRZRFY	Fluro Yellow	6	72 pairs



EN 388
2132

WINTER LUX - DEER SKIN INSULATED

FEATURES AND BENEFITS

- Curved fingers with perforated fourchettes for a snug fit and air circulation
- Black neoprene knuckle bar protection
- Grip tab closure for improved fit and comfort
- High abrasion resistance
- Wing thumb allows better open hand pulling
- 3M™ Thinsulate™ lining for warmth

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
COGLDEGLWYB	S-2XL	Yellow / Black	6	72 pairs



EN 388
3142

CHILLAGOE WINTER INSULATED - IMPACT

FEATURES AND BENEFITS

- Synthetic leather palm with ultra grip palm for better grip and durability
- Impact finger / knuckle strap / back guard provide extra protection
- Water repellent fabric back and outside thumb
- Neoprene cuff - snug fit, easy to remove
- Water barrier insert keeps hands dry
- Extra thumb reinforcement provides more protection
- 3M™ Thinsulate™ C100 with fleece insulation keeps you warm
- ID badge and pull tab provides security and easy donning

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
COCHLMECHBB	M-2XL	Black	6	72 pairs


NINJA® CELSIUS®
ICE
EN388:2016
EN511:2006
4231X
X2X
Size: 9/L
NINJA®



SAFEGUARD THERMAL - CUT E

FEATURES AND BENEFITS

- Cut Level E protection
- Aramid fibres contact heat: Level 2 (250°C <15s)
- Puncture Level 4 protection
- Seamless 10 gauge shell for heavy duty protection and glass fibre blend shell
- Crinkle cut latex coat for assured grip and flexibility
- Excellent abrasion resistance for longevity

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRSAFEGRDYB	M-2XL	Beige / Blue	12	120 pairs



BLACK & GOLD WELDER GAUNTLET - 40CM

FEATURES AND BENEFITS

- 40cm black cowsplit leather
- Gold half welts and self hemmed
- Full jersey sock lining
- Resistance to burning rated to Level 4
- Resistance to contact heat rated to Level 1
- Resistance to convective heat rated to Level 4
- Resistance to small drips of molten metal rated to Level 4
- Kevlar® stitched

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRWELDDRBGB	**One size fits all**	Black / Gold	12	60 pairs



WELDER GAUNTLET - 40CM

FEATURES AND BENEFITS

- 40cm red & blue cowsplit leather
- Gold half welts
- Self hemmed
- Full jersey sock lining
- Kevlar® stitched

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRWELDGLVBL	**One size fits all**	Blue	12	60 pairs
FRWELDGLVRR	**One size fits all**	Red	12	60 pairs



BLUE WELDER GAUNTLET - 40CM REINFORCED PALM

FEATURES AND BENEFITS

- 40cm blue cowsplit leather
- Gold half welts
- Self hemmed
- Full jersey sock lining
- Reinforced palm, fingers and thumb for high wear areas
- Kevlar® stitched

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRWELDGRPBL	**One size fits all**	Blue / Orange	12	60 pairs



EN 388 3144
EN 407 414X4X

LEFTIE WELDER GAUNTLET - 40CM

FEATURES AND BENEFITS

- 40cm green cowsplit leather
- Red half welts and self hemmed
- Full jersey sock lining
- Left hand only x 2
- Resistance to burning rated to Level 4
- Resistance to contact heat rated to Level 1
- Resistance to convective heat rated to Level 4
- Resistance to small drips of molten metal rated to Level 4
- Kevlar® stitched

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRWLDLEFTGG	**One size fits all**	Green	12	60 pairs



EN 388 3144
EN 407 414X4X

ULTIMATE WELDER GAUNTLET - 36CM

FEATURES AND BENEFITS

- 36cm split cowsplit leather
- Kevlar® thread to resist burning
- Tilted wing thumb allows better open hand pulling and grabbing
- No-gap full welts
- Double in-sewn elastic
- Yellow flame resistant jersey lining
- 4mm foam socked lining
- Black flame resistant drill cuff lining

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRWLDULTIRR	**One size fits all**	Red	12	60 pairs



EN 388 2122

POWER TOUCH TIG GAUNTLET - 40CM GOAT SKIN

FEATURES AND BENEFITS

- Super fine goat's skin
- Inseam clute back
- Natural split leather cuff

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRTIGWELDG7	Large	Grey / Orange	12	120 pairs



EN 388 3144P
EN 407 413X4X

FOUNDRY CHIEF GAUNTLET - 450MM IMPACT

FEATURES AND BENEFITS

- 450mm extended cuff for forearm protection
- Impact protection
- 1.4mm select shoulder cowsplit leather
- Kevlar® stitching
- Finger tip and palm patch in high wear high heat area
- Full jersey sock lining for comfort and protection
- Resistance to burning rated to Level 4

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRFNDRCXIGY	**One size fits all**	Grey	6	72 pairs



SMELTER KING GAUNTLET

FEATURES AND BENEFITS

- Cut Level 3 protection
- Contact heat rated to Level 3
- Convective heat rated to Level 4
- Spark resistant terry cord material
- Gauntlet design for forearm protection

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRSMELTRKGY	**One size fits all**	Grey / Yellow	12	72 pairs



TERRICORD GAUNTLET

FEATURES AND BENEFITS

- Cut Level 3 protection
- 100% 26oz cotton terrycord
- Reversible for increased life
- Canvas cuff
- Good heat resistance
- Available in 15cm cuff (L)
- Available in 15cm cuff (XL)

CODE	CUFF	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRTERRYCD	15cm	L-XL	White	12	120 pairs



ACTIVARMR 80-813 FLAME RESISTANT

FEATURES AND BENEFITS

- Flame resistanct materials
- Superior arc-flash protection
- Cut resistant aramid yarn

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
AN0080813BJ	6-11	Black / Green	12	12 pairs

Ansell



RIG014B & RIG014Y CLASS 0 ACTIVARMR ELECTRICAL INSULATING

FEATURES AND BENEFITS

- Comply with CSA, NFPA and OSHA standards for electrical protection gloves
- Smooth finish makes for easy donning and doffing
- Generous flared cuff provides space for clothing and ventilation
- Arc flash certified as per IEC 614821-2:2014 and ATSM F2675:2021 standards
- Can withstand a touch voltage AC maximum of 1000 V (DC maximum 1500) and tolerate acid, ozone and very low temperatures

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
ANRIG014B	7-12	Black	1	10 pairs
ANRIG014Y	7-12	Yellow	1	10 pairs

Ansell

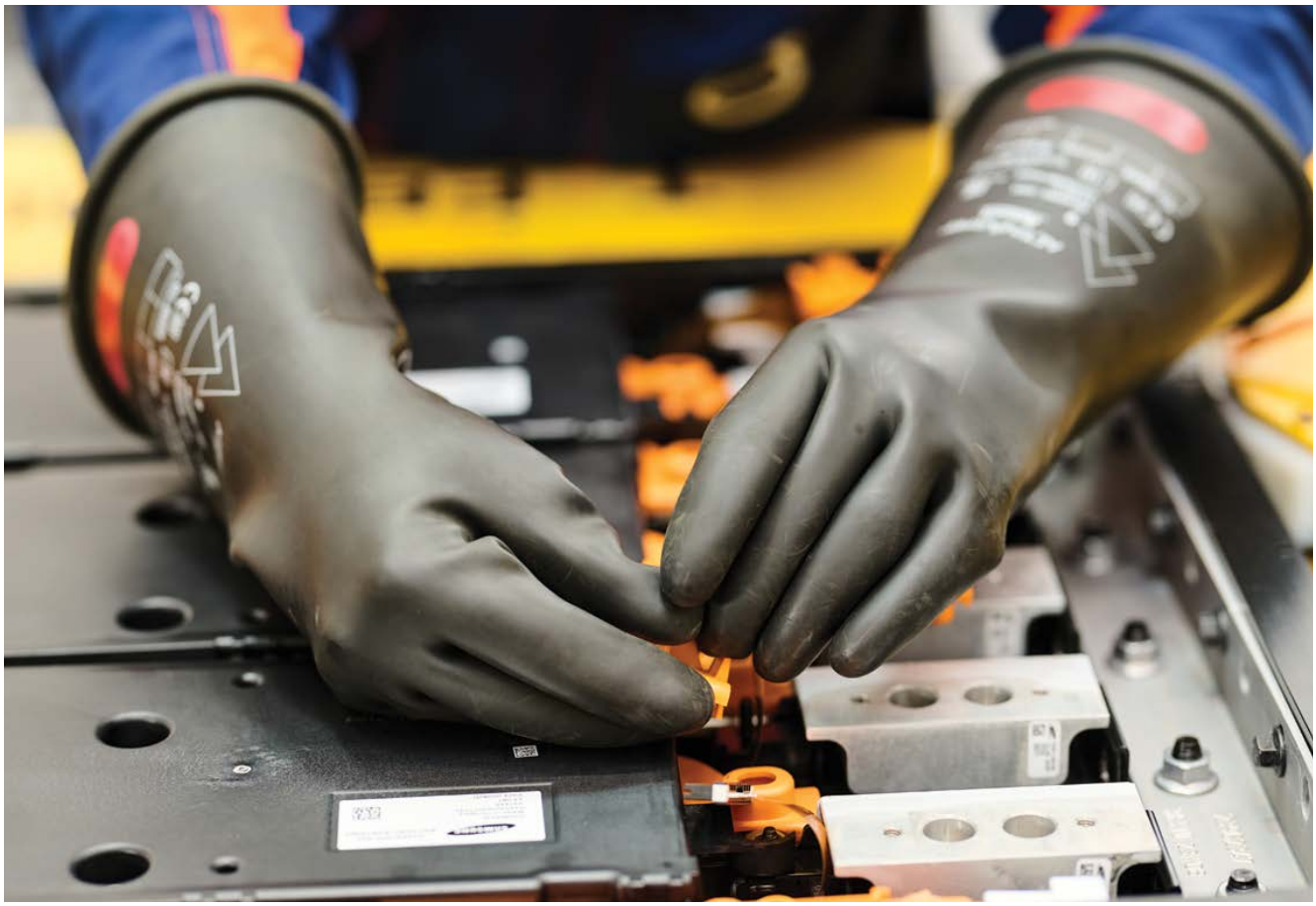


R0011BUL CLASS 00 ACTIVARMR ELECTRICAL INSULATING

FEATURES AND BENEFITS

- 30% thinner design compared to standard Class 00 gloves provides second skin like fit and feel
- Excellent dexterity
- Meet Class 00 requirements (500V AC/750V DC) protection, certified for resistance to acid (Category A), Ozone (Category Z) and very low temperatures (Category C)
- Silicone free

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
ANR0011BU	7-11	Black	1	10 pairs



FRONTIER SAFETY



EN 388
4121X

EN ISO 374-1:2016 + A1: 2018/ Type A
JKL

CHEMITOUCH - 35CM

FEATURES AND BENEFITS

- Tactile and ergonomic 18g nylon liner
- Triple coat nitrile / PU blend
- Sandy palm, flat back
- Resistance to oils, hydrocarbons, grease and abrasion
- Protection against chemicals and micro-organisms
- EN374-3 JKL

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRCHEMTC3GG	M-2XL	Green	12	120 pairs

NINJA MULTI-TECH



EN388:2016
4111X
MECHANICAL

EN ISO 374-5: 2016
VIRUS

EN ISO 374-1: 2016/Type A
JKLMPT
CHEMICAL

Complies to
Australian Standard
AS/NZS 2161.2:2005
AS/NZS 2161.3:2005

NITRACHEM - 65CM

FEATURES AND BENEFITS

- Chemsmart chemical resistance protects against dangerous chemicals
- Highly durable liner and coating
- Full nitrile coating provides effective long-lasting secure grip in damp or greasy environments
- Soft cotton interlock lining provides easy movement and continuous wear
- Eyelet for easy hanging
- Impermeable for working in damp or greasy environments, enabling you to grip objects securely

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
NINITRACMOO	M-XL	Orange	3	36 pairs

NINJA MULTI-TECH



EN388:2016
4X42D
MECHANICAL

EN ISO 374-5: 2016
VIRUS

EN ISO 374-1: 2016/Type A
AKLMPT
CHEMICAL

Complies to
Australian Standard
AS/NZS 2161.2:2005
AS/NZS 2161.3:2005

PREMIER CUT - CUT D

FEATURES AND BENEFITS

- The glove comes with heavy weight nitrile coating
- 6.5cm shoulder length model
- Flexible and robust offering great dexterity and tear resistance
- Long lasting grip protects the hand from oils, hydrocarbons, grease and abrasion, with effective long-lasting grip
- Impermeable for working in damp or greasy environments, enabling you to grip objects securely

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
NIPRECUTDBRB	XS-3XL	Black / Red	6	72 pairs

NINJA MULTI-TECH



EN388:2016
4X42DP
MECHANICAL

EN ISO 374-5: 2016
VIRUS

EN ISO 374-1: 2016/Type A
AKLMPT
CHEMICAL

Complies to
Australian Standard
AS/NZS 2161.2:2005
AS/NZS 2161.3:2005

ALCHEMY - CUT D IMPACT

FEATURES AND BENEFITS

- Chemsmart chemical resistance protects against dangerous chemicals
- Highly durable liner and coating
- Nylong composite liner provides Cut Level D protection
- Solid impact protection on the back of hand and fingers
- Double-dipped PVC coating for excellent grip and protection when working with oils, detergents and alcohols

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
NIALCCUTDFY	M-XL	Fluro Yellow	6	72 pairs



EN 388
3111X
374-2

27CM CUFF

RED PVC SINGLE DIPPED

FEATURES AND BENEFITS

- Single dipped PVC construction offering good dexterity
- 100% cotton interlock lining for ease of donning
- Good liquid protection
- Resistant to oils, greases and chemicals

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRPVCSGLDRR0027	27 cm	Red	12	72 pairs
FRPVCSGLDRR0035	35 cm	Red	12	72 pairs
FRPVCSGLDRR0045	45 cm	Red	12	72 pairs



EN388
4121X
EN ISO 374-1: 2016 TYPE A
JKLMPST
EN ISO 374-5: 2016
VIRUS

GREEN PVC TRIPLE DIPPED

FEATURES AND BENEFITS

- Triple dipped PVC construction
- Jersey lined for ultimate comfort and warmth
- Sandy grip for enhanced wet grip
- Excellent abrasion resistance for increased life cycle
- Resistant to oils, greases and chemicals

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRPVCDBLDGG0027	27 cm	Green	12	72 pairs
FRPVCDBLDGG0035	35 cm	Green	12	72 pairs
FRPVCDBLDGG0045	45 cm	Green	12	72 pairs



EN388
3101X
EN374
JKL

MERCURY NITRILE

FEATURES AND BENEFITS

- Resistant to many chemicals and solvents
- Premium nitrile glove
- Textured palm for enhanced wet and dry grip
- Cotton flocked liner for a comfortable fit
- 33cm forearm protection

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRMERCN33GG	S-2XL	Green	12	120 pairs



GLOVE CLIP

FEATURES AND BENEFITS

- Multi-purpose grip device
- Holds up to 5kgs
- Strong tension for heavier articles
- Unique centre safety break device in case object is caught in machinery
- Non-conductor of electricity

CODE	COLOUR	PACK QTY MOQ	CARTON QTY
FRGLVGRIPBK	Black	20	500
FRGLVGRIPFY	HV Orange	20	500
FRGLVGRIPFL	HV Yellow	20	500

Ansell



EN 388:2016
4102X
EN ISO 374-1:2016/ Type A
AGKKLPT
EN ISO 374-5: 2016

ALPHATEC SOLVEX 37-185 CHEMICAL RESISTANT

FEATURES AND BENEFITS

- Unequaled abrasion resistance
- Complies with FDA food handling requirements
- Provides superb comfort for the wearer
- Suitable for heavy-duty cleaning applications
- No inner cotton flocking & lower lint contamination risks

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
AN3718500	7-11	Green	1	12 pairs

Ansell



EN ISO 374-1/ Type C
EN 388:2016
1010X
EN ISO 374-5: 2016
EN ISO 374

ALPHATEC PINK 87-352 LATEX SILVERLINED

FEATURES AND BENEFITS

- Cotton lined Kevlar glove
- Wrist and arm protection from extended cuff
- Cut, tear and abrasion resistant
- 350°C heat protection

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
AN3520000	6.5-11	Pink	12	12 pairs

Ansell



EN 388:2016
3122A
EN ISO 374-1:2016/ Type A
AJKLOPT
EN 407
X1XXXX
EN ISO 374-5: 2016

ALPHATEC 58-535B CHEMICAL RESISTANT

FEATURES AND BENEFITS

- Ansell Grip™ technology for the handling of wet or oily parts
- Black acrylic liner provides comfort & ideal for outdoor use
- Bonded construction with polymer coating that doesn't penetrate the liner in manufacture, prevent liquid and chemical leakage
- Bonded construction also offers enhanced flexibility and dexterity
- Meets EN 407 contact heat Level 1 protection

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
AN58535B0GY	7-11	Grey / Green	6	72 pairs

Ansell



EN 388:2016
3121A
EN ISO 374-1:2016 Type A
JKLOPT
EN 374-5
VIRUS

ALPHATEC 58-270 CHEMICAL RESISTANCE NITRILE

FEATURES AND BENEFITS

- Designed for light to medium chemical applications
- Industry-leading grip with an enhanced dexterity and comfort
- Excellent tactility and flexibility

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
NN0058270	7-11	Grey / Green	12	144 pairs

Ansell



EN 388:2016
4X32C
EN 407
X1XXXX
EN ISO 374-1:2016 Type A
AJKLMNOPT
EN ISO 374-5: 2016

ALPHATEC 58-735 CHEMICAL & CUT RESISTANT

FEATURES AND BENEFITS

- INTERCEPT™ Cut Resistance Technology
- ANSELL GRIP™ Technology for the handling of wet or oily parts
- Nitrile barrier provides advanced chemical protection

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
AN5873500	7-11	Green / Black	6	72 pairs

Ansell



EN 388:2016
1111X
EN ISO 374-1:2016 Type A
ABCDEFGHIJKLMNOPST
EN 374-5
VIRUS
EN 421

ALPHATEC 53-002 HYBRID CHEMICAL RESISTANT

FEATURES AND BENEFITS

- Extreme chemical protection: advanced rubber polymer coating and plastic laminate technology improves chemical permeation, tactility and comfort
- Meet requirements of EN ISO 374:2016
- Form fitting design for comfort

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
AN0053002	7-11	Black	6	72 pairs




Makita DTD146
4.0Ah 18V LITHIUM-ION
FRONTIER SAFETY
PREMIUM RIGGER
COWHIDE
FRRIGPREMBEG0005



RIGGER - PREMIUM COWHIDE

FEATURES AND BENEFITS

- A/B grade beige cow grain
- Wing thumb allows better open hand pulling and grabbing
- Elasticised wrist
- 250mm length

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRRIGPREMBE	S-2XL	Beige	12	120 pairs



RIGGER - STANDARD COWGRAIN

FEATURES AND BENEFITS

- B grade grey/white cow grain
- Wing thumb allows better open hand pulling and grabbing
- Elasticised wrist
- 250mm length

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRRIGGSTDWW	S-2XL	White	12	120 pairs



RIGGER - SWAGGY LEATHER SUEDE

FEATURES AND BENEFITS

- Cow split back/cow grain palm
- Wing thumb allows better open hand pulling and grabbing
- Elasticised wrist
- 250mm length

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRRIGSWAGBR	S-2XL	Grey	12	120 pairs



RANCHER

FEATURES AND BENEFITS

- Shoulder split leather
- Knuckle bar protection
- Jersey lined for comfort and fit
- Rubberised safety cuff

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRDRLLTHRYY	**One size fits all**	Yellow / White	12	120 pairs



CANDY - ECONOMY PATCH PALM

FEATURES AND BENEFITS

- Cow split chrome leather
- Patch palm
- Knuckle bar protection
- Cotton back
- Economical version

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRCANDECO00	**One size fits all**	Multi	12	120 pairs



LATTICE

FEATURES AND BENEFITS

- Lattice nylon knitted glove
- Lattice style PVC webbing for enhanced grip
- Ambidextrious for extended wear

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRLATTICEBR	S-L	Brown	12	144 pairs



MENS GLOVE

COTTON DRILL - CUFF

FEATURES AND BENEFITS

- 80z cotton drill fabric
- Breathable
- Economical option
- Knitted cuff to repel debris

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRCOTDRILBL	Mens	White / Blue	12	300 pairs



COTTON VINYL

FEATURES AND BENEFITS

- Light weight
- Economy option
- Breathable cotton
- Vinyl impregnated palm

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRCOTVYNLGW	**One size fits all**	Grey / White	12	240 pairs



COTTON INTERLOCK - HEMMED CUFF

FEATURES AND BENEFITS

- 100% breathable cotton
- Bleached white for clean appearance
- Reversible for extended use
- Can be used as a glove liner
- Hemmed cuff

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRINTLKHMWW00LD	Ladies	White	12	600 pairs
FRINTLKHMWW00MN	Mens	White	12	600 pairs



DOT ON PALM

KNITTED POLYCOTTON - BRANDED POLKA DOT

FEATURES AND BENEFITS

- 7 gauge polyester cotton for ventilation and strength
- PVC dots for increased grip
- PVC dots on both sides for reversible use
- Navy colour to conceal dirt

CODE	SIZE	COLOUR	FEATURES	PACK QTY MOQ	CARTON QTY
FRCOTWDOTBY	S/M/L	Blue / Yellow	PVC Dots on Palm	12	240 pairs



KNITTED POLYCOTTON - POLKA DOT

FEATURES AND BENEFITS

- PVC dots on palm for excellent grip
- 7 gauge polyester cotton for ventilation and strength
- Bleached white for clean appearance

CODE	SIZE	COLOUR	FEATURES	PACK QTY MOQ	CARTON QTY
FRCOTWDOTWW	Large (Mens)	White / Yellow	PVC Dots on Palm	12	240 pairs



KNITTED POLYCOTTON

FEATURES AND BENEFITS

- 7 gauge polyester cotton for ventilation and strength
- Reversible for extended use
- Navy colour to conceal dirt
- Bleach white for clean appearance

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRPCOTKNTNN00MN	Mens	Navy	12	240 pairs
FRPCOTKNTWW00LD	Ladies	White	12	240 pairs
FRPCOTKNTWW00MN	Mens	White	12	240 pairs

SINGLE USE (DISPOSABLE)

FRONTIER SAFETY



NITRILE STANDARD CUFF - 3.5G

FEATURES AND BENEFITS

- 100% nitrile providing strength and good abrasion resistance
- Ambidextrous
- Industrial grade for chemical oil resistance
- Non-sterile
- Easy donning
- Textured grip for increased wet grip
- Bio-degradable
- Environmentally friendly
- Rolled cuff for extra strength
- 245mm standard length

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
FRDSPNIPFBL	S-XL	Blue	100	10 pairs

MACK



MACK TRACTION NITRILE - 8.5G

FEATURES AND BENEFITS

- Tough and durable, 100% high quality nitrile
- Slip resistant Diamond Grip difference: texture channels away liquids
- Excellent grip
- Touch screen friendly
- Chemical resistant
- Ambidextrous with beaded cuff
- Powder & latex free

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
MKGTRACTIBB	S-2XL	Black	50	500 pairs
MKGTRACTIOO	S-2XL	Orange	50	500 pairs

Ansell



TOUCH N TUFF 92-500 GREEN NITRILE DISPOSABLE

FEATURES AND BENEFITS

- Enhanced chemical splash protection
- Soft nitrile blend provides high levels of comfort
- Robust design and mechanical properties for added durability
- Powdered for easier donning and moisture absorption

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
92500	S-XL	Green	BOX OF 100	1000

Ansell



TOUCH N TUFF 92-670 BLUE NITRILE DISPOSABLE

FEATURES AND BENEFITS

- Superior chemical splash protection
- Soft, durable nitrile material for added comfort
- Textured fingertips provide reliable grip
- Complies with food handling requirements

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
NN0092670	S-XL	Blue	100	1000

Ansell



374-5
VIRUS

EN ISO 374-1:2016/
Type B
JKT

MICROFLEX 93-852 NITRILE EXAM

FEATURES AND BENEFITS

- Distinctive black colour hides stains
- Offers a higher tensile strength compared to ASTM D6319 and EN 455 standards, enable wearers to have a firm wet grip when handling objects.
- Contains no natural rubber latex and powder-free, helps protect wearers from allergies

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
93-852	XS-XS	Black	100	1000

Ansell



EN 16350

MICROFLEX 94-242 CHEMICAL RESISTANT DISPOSABLE

FEATURES AND BENEFITS

- Reduces the risk of electrostatic discharge, which can cause spontaneous combustion in atmospheric explosive environments
- Made with TNT™ Chemical Splash Resistance Technology for soft, durable protection against a wide range of chemicals
- Provides capacitive and resistive touchscreen capability when working with industrial electronics

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
AN0094242	S-XXL	Black	BOX OF 100	1000

Ansell



EN ISO 374-1
Type A
JKLOPST

EN ISO 374-5
VIRUS

EN 421

MICROFLEX 93-260 CHEMICAL RESISTANT DISPOSABLE

FEATURES AND BENEFITS

- Three layer design for superior protection against chemicals
- The thinnest chemical resistant disposable glove for enhanced tactility and dexterity
- Extra soft material and ergonomic design for outstanding fit, feel and flexibility
- Lower acceptable pinhole rate for reliable protection against hazardous substances

CODE	SIZE	COLOUR	PACK QTY MOQ	CARTON QTY
NN93260	XS-XXL	Green	50	5000




SQUINCHER
SQUINCHER



SUN PROTECTION & HYDRATION

1

SUNSCREEN	163
HARD HAT PROTECTION BRIMS	164-165
HYDRATION & ACCESSORIES	166-169

PREVENTION IS ALWAYS BETTER THAN CURE WHEN IT COMES TO THE EFFECT AND DAMAGE FROM SUN EXPOSURE

Our range of Cancer Council sunscreens and Frontier water coolers will protect against harmful UV rays and heat of the sun.

SUN PROTECTION & HYDRATION

STAYING UNDER SHADE OR INDOORS IS THE BODY'S BEST DEFENCE AGAINST THE EFFECTS OF THE SUN, HOWEVER WHEN YOUR WORK REQUIRES YOU TO BE OUTDOORS IN THE SUN, THERE IS NOTHING BETTER TO PROTECT YOU THAN OUR RANGE OF CANCER COUNCIL SUNSCREENS.

SKIN CANCER THE STATISTICS

Skin cancer occurs when skin cells are damaged, for example, by overexposure to ultraviolet (UV) radiation from the sun.

THERE ARE THREE MAIN TYPES OF SKIN CANCER:

1. Basal Cell Carcinoma
2. Squamous Cell Carcinoma
3. Melanoma - the most dangerous form of skin cancer

Both basal cell carcinoma and squamous cell carcinoma are known as non-melanoma skin cancer. Approximately, two in three Australians will be diagnosed with skin cancer by the time they are 70, with more than 750,000 people treated for one or more non-melanoma skin cancers in Australia each year. Non-melanoma skin cancer is more common in men, with almost double the incidence compared to women. Excluding non-melanoma skin cancer, melanoma is the third most common cancer in Australians. (Cancer Council, 2017)

THE IMPORTANCE OF SUNSCREEN

Sunscreen protects your skin from the sun's ultraviolet or UV rays. The predominant reason for its' use is the reduction of skin cancer risk which, as stated above, has a high incidence in Australia.

Two types of UV rays, known as UVA and UVB, trigger harmful changes in your skin. According to the most credible scientific sources, UVA rays account for up to 95 percent of the ultraviolet radiation that reaches the earth's surface.

SOME OTHER BENEFITS OF SUNSCREEN ARE:

- Prevents premature aging
- Prevents tanning
- Lowers blotchiness on face
- Enhances health of the skin
- Prevents sunburns
- A good cosmetic option

The Cancer Council is the leading independent funding body for cancer research in Australia. The Cancer Council sunscreen offer includes broad-spectrum sunscreens in a range of innovative formulations and packaging to suit the working environment.



BENEFITS OF BUYING THE TRUSTED CANCER COUNCIL PRODUCT RANGE

MARKET LEADING PRODUCT	Very high protection SPF50+ UVA/UVB Broad Spectrum 4 hours water and sweat resistant 3 year shelf life NO nano particles
SOCIAL RESPONSIBILITY	Proceeds help fund cancer research, patient support and education. “Every tube helps”
ENVIRONMENTALLY SENSITIVE	• Recyclable packaging • Low impact formulation
OHS COMPLIANT	• Approved by the Safety Institute of Australia • Easy to use and dispense • Rapid touch dry formulation • Dust and dirt won’t stick • Non-slip grip
PRICE COMPETITIVE AND AFFORDABLE	Corporate and Non Retail rates available
MULTITASK AND SURFACE COMPATIBILITY	No impact on industrial coated surfaces
LOCAL SOURCING	Australian Made and Owned

EXTRA PROTECTION FOR THE HEAD AND NECK

The Snap Brim is an easy attached rigid sunshade for hard hats. It provides superior sun protection with a minimum of effort for anyone working outdoors. The Snap Brim's sturdy construction shelters the wearer from the elements and shields from harmful UV rays, helping to minimise the risk of skin cancer and its effects.

For more information on our Snap Brims » see page 164.



STAYING HYDRATED

Working in the harsh Australian heat increases the risk of dehydration and heat stress for Australian workers. Most at risk are those working outdoors performing physically intensive labour and indoor workers who are exposed to high temperatures with poor ventilation. If you work in the heat, ensure you follow these tips to minimise your risk of heat illness and dehydration to stay safe and healthy.

1 DON'T WAIT UNTIL YOU ARE THIRSTY

Don't wait until you are thirsty to drink. If you are thirsty you are already dehydrated. Instead drink small amounts frequently at regular intervals. 250mls every 15-20 minutes is the recommendation for working in the heat.

2 CARRY A DRINK BOTTLE OR COOLER

KEEP IT IN A COOL PLACE

You are more inclined to drink when fluid is readily available. Keep your cooler with you and ensure it is well insulated like the Frontier JugRnaut, with an easy pour/refill spout and lid.

3 PRE-HYDRATE

Recent workplace studies have shown that many Australian workers show up to work already 2% dehydrated. Drink plenty of fluids in the hours before your shift so that you are not starting your work day with a fluid deficit.

4 MONITOR YOUR BODY FLUIDS

Monitor how much you are sweating and going to the toilet and ensure you are replacing these fluids.

EFFECTS OF ELECTROLYTE IMBALANCE

When dehydrated our bodies need more than water alone. We need to replace all the essential nutrients we lose through sweat. These nutrients are known as electrolytes. Blood pressure, fluid balance and muscle contractions are some of the key functions that electrolytes help regulate in our bodies. Having an adequate supply of electrolytes, such as Sqwincher® is an important factor to consider when developing a hydration program.

If electrolytes lost through perspiration are not replaced, effects of electrolyte imbalance may occur.

- When perspiring, if a person's sodium levels drop too low, they may experience muscle weakness, cramping and dizziness
- Similarly if a person's potassium levels drop too low, confusion, muscle weakness and paralysis may occur
- If sodium is not replaced, and blood concentrations of sodium fall below a critical maximum - hyponatremia may set in. Without treatment, hyponatremia may lead to swelling of the brain, seizure and death

Sqwincher® is Australia's leading electrolyte-enhanced beverage used for industrial applications.

WHY SQWINCHER® IS THE BEST CHOICE FOR ELECTROLYTE NEEDS

1 Trusted Brand in Hydration for 45 Years

Sqwincher® has a 45-year history and has been available in Australia and New Zealand since 1999. In that time Sqwincher has gained a reputation as a trusted and reliable brand for anyone who needs to stay hydrated and replenish their electrolytes. It really is hydration that works.

2 Low Sodium Content

The Heart Foundation recommends that no adult consumes over 2000mg of sodium per day. Many electrolyte drinks on the market are high in sodium. Sqwincher®, on the other hand, has a superior balance of sodium and electrolytes. To put this into perspective, a single Sqwincher® Qwik Stik only contains 138mg of sodium per 600ml.

3 Highest Quality & Low Cost Per Serve

Sqwincher® has a BRC Global Food Safety Certification and despite its high quality and superior taste, Sqwincher® is also affordable and cost-effective. In fact, it has one of the lowest costs per serve among leading electrolyte brands, making it a smart choice for people who need to replenish their electrolytes regularly.

4 Regular & Sugar-Free Options

Sqwincher® offers both regular and zero-sugar options, allowing people to choose the option that best suits their dietary preferences and needs. Sugar does assist the body in the uptake of electrolytes, but the sugar-free option is also a great choice for those who are watching their calorie and sugar intake.

5 Superior Taste & Palatability

In a blind taste test conducted against leading electrolyte brands, Sqwincher® came out on top in terms of preferred taste. This is important because when you're engaging in strenuous activities, you need an electrolyte drink that not only hydrates, but also tastes good enough to encourage you to keep drinking.

6 Wide Range of Delivery Formats

Sqwincher® is available in a wide range of delivery formats, including concentrates (Sqwincher® Concentrate / Sqwincher® Fast Packs) Qwik Stik powder packs and Sqweeze freezer pops.

In a study comparing 22 different electrolyte brands, Sqwincher® scored the highest on the number of delivery formats available, making it easy for people to find a format that suits their individual preferences.

7 Concentrate Made in Australia

Sqwincher® Concentrate is made in Australia, ensuring high quality and adherence to Australian manufacturing standards.


SQUINCHER


Cancer Council
Work
Dry Touch Sunscreen
50+
4 HOURS
Repel
30+



50+ ULTRA LIP BALM SUNSCREEN

FEATURES AND BENEFITS

- Those looking for a very high SPF50+ protection everyday
- Improved "better feeling formula" now with mineral silica
- Tested for 4 hours water resistance
- Our best selling formulation

CODE	SIZE	PACK QTY	CTN QTY
S-004-UL-50P	4 gm	24	96
SS-110-UL-50P	110 ml	4	24
SS-250-UL-50P	250 ml	4	24



50+ WORK PUMP PACK SUNSCREEN

FEATURES AND BENEFITS

- Dry touch formula: safe non-slip grip on tools, equipment and safety devices
- Oil and fragrance free
- Dry touch so dirt and dust won't stick
- Zinco oxide and titanium dioxide free to not react with coated metal
- Helps employers meet OH&S responsibilities

CODE	SIZE	PACK QTY	CTN QTY
SS-500-WK-50P	500 ml	4	12
SS-001-WK-50P	1 litre	1	6



50+ ACTIVE EZI CLIP SUNSCREEN

FEATURES AND BENEFITS

- Dual purpose sunscreen
- Effectively repels flies and mosquitoes
- Ideal for working outdoors, camping, hiking and other outdoor activities
- Repel SPF30+ is tested to meet SPF and repellent standards

CODE	SIZE	PACK QTY	CTN QTY
SS-050-IR-EC	50 ml	8	40
SS-110-IR-TU	110 ml	6	24

HARD HAT PROTECTION

Snap Brim™



SNAP BRIM

FEATURES AND BENEFITS

- To suit a wide range of hard hats
- Provides added protection from the dangers of the sun
- Range of colour combinations
- Sturdy, high quality brims with fabric edging
- Removable neck flap, attaches with velcro strip
- Easy to fit and remove

CODE	DESCRIPTION	COLOUR	PACK QTY	CTN QTY
FRSNAPBRMOO1000	Snap Brim Orange compatible with MSA Advantage	Orange	1	20
FRSNAPBRMOO1002	Snap Brim Orange compatible Protector HC600/HC600V	Orange	1	20
FRSNAPBRMOO1003	Snap Brim Orange compatible with Frontier Hard Hat	Orange	1	20



HARD HAT BRIM WITH SHADE

FEATURES AND BENEFITS

- 100% polyester fabric
- Universal design - elastic inner rim to fit most hard hats
- Hook & loop straps for hard hat connection
- Longer length to block UV rays

CODE	DESCRIPTION	COLOUR	CTN QTY
ER12640	Hard Hat Brim and Neck Shade	Lime	50
12641-OO	Hard Hat Brim and Neck Shade	Orange	50
ER1264300BL0000	Hard Hat Brim and Neck Shade	Blue	50


CHILLITS®

HYDRATION & ACCESSORIES



2.5 LITRE MINI JUGRNAUT COOLER

FEATURES AND BENEFITS

- Fully insulated body for optimal temperature retention
- Easy pour/refill spout on lid
- Large comfort carry handle with finger grip

CODE	COLOUR	PACK QTY	CTN QTY
FRMINIJUGBL2500	Blue	Each	12



5 LITRE JUGRNAUT COOLER

FEATURES AND BENEFITS

- Retractable push tap for better hygiene and avoids tap breakage
- Easy pour/refill spout on lid
- Fully insulated body for optimal temperature retention
- Stable wide bottom base resists tipping
- Large comfort carry handle
- Removable drinking cup with handle

CODE	COLOUR	PACK QTY	CTN QTY
FRCOOLJUGBL005L	Blue	1	4



QWIK STIKS

FEATURES AND BENEFITS

- ON THE GO USE, portion control sachets
- One Qwik Stik makes 600ml
- 99.5% sugar free
- Contains anti-oxidants
- Low sodium / low calorie

CODE	FLAVOUR	PACK QTY	CTN QTY
SQ0104-MF	Assorted Flavours	50	10
SQ0100-00	Orange	50	10
SQ0101-MB	Mixed Berry	50	10
SQ0103-LD	Lemonade	50	10
SQ0106-GP	Grape	50	10
SQ0107-LL	Lemon Lime	50	10
SQ0109	Cool Citrus	50	10
SQ0110-WM	Watermelon	50	10



FAST PACK

FEATURES AND BENEFITS

- Hygienic single serve, pack is the cup
- Add water to the pack and drink
- Portion control, perfect for mobile workers
- Essential electrolytes, for fast hydration and good health

CODE	FLAVOUR	PACK QTY	CTN QTY
SQ0097	Orange	50	4
SQ0098-TC	Tropical Cooler	50	4
SQ0099-WB	Wild Berry	50	4
SQ0066	Lemon Lime	50	4
SQ0090	Assorted Flavours - packs	10	20



SQWEEZE POPS

FEATURES AND BENEFITS

- Assorted flavours
- Help cool core body temperature fast
- Essential electrolytes, for fast hydration and good health

CODE	FLAVOUR	PACK QTY	CTN QTY
SQ159200201-5AST	Assorted Flavours	10	15



CONCENTRATE 2L

FEATURES AND BENEFITS

- One bottle makes 20L
- Sqwincher® 20L cooler will keep fluid cold for up to 12 hours
- Pump spouts for 2L concentrate bottle

Sqwincher 2L Concentrate Made in Australia from at least 90% Australian ingredients

CODE	FLAVOUR	PACK QTY	CTN QTY
SQ0028	Lime	6	1
SQ0042	Orange	6	1
SQ0046	Wild Berry	6	1
SQ0047	Tropical	6	1
SQ0050	Grape	6	1
SQ0052	Lemonade	6	1
SQ0051	Assorted Flavours	1	1



CONCENTRATE 500ML

FEATURES AND BENEFITS

- Assorted flavours - Orange, Wild Berry, Lemon Lime
- One bottle makes 5L
- Essential electrolytes, for fast hydration and good health
- Each mixed case contains 12 bottles

CODE	FLAVOUR	PACK QTY	CTN QTY
SQ0034	Assorted Flavours	1	12



ACCESSORIES

FEATURES AND BENEFITS

- Keeps cold Sqwincher® close to where the hot work is performed
- Strong rust proof plastic
- Replacement lids and spigots available
- BPA free

CODE	DESCRIPTION	CTN QTY
SQ01	Sqwincher Cooler 20L	1
SQ10	Sqwincher 20L Cooler Tap	1
SQ011	Replacement Lid	1
SQ0160	Pump Spouts	1


SQUINCHER
SQUINCHER



EVAPORATIVE COOLING VEST

FEATURES AND BENEFITS

- Super-absorbent material inside
- Water-repellent liner
- Lightweight, durable and washable
- Soak in cold water 2-5 minutes to activate
- Remains cool for up to 4 hours

CODE	DESCRIPTION	SIZES	CTN QTY
ERECV6665	Ergodyne Chill-its 6665 Cooling Vest	M-3XL	6



EVAPORATIVE COOLING BANDANA

FEATURES AND BENEFITS

- Tie closure headband
- Lightweight, cooling acrylic polymers
- Soak in cold water 2-5 minutes to activate
- Remains cool for up to 4 hours

CODE	DESCRIPTION	COLOURS	CTN QTY
12301	Ergodyne Chill-its 6700 Evaporative Cooking Bandana	Lime	24
12307	Ergodyne Chill-its 6700 Evaporative Cooking Bandana	Solid Blue	24



EVAPORATIVE COOLING HARD HAT PAD

FEATURES AND BENEFITS

- Lightweight, cooling acrylic polymers
- Soak in cold water 2-5 minutes to activate
- Hook & loop closures
- Conveniently attaches to hard hat suspension
- Remains cool for up to 4 hours

CODE	DESCRIPTION	SIZES	CTN QTY
12337	Ergodyne Chill-its 6715 Evaporative Cooling Hard Hat Pad	Blue	24



EVAPORATIVE COOLING TOWEL

FEATURES AND BENEFITS

- Advanced PVA cooling technology, 2mm thick
- Super-evaporative feels cooler than ambient air
- Activates fast and easy - run underwater
- Size: 33cm x 75cm
- Rinse before use, machine washable

CODE	DESCRIPTION	SIZES	CTN QTY
ERECT6602	Ergodyne Chill-its 6602 Evaporative Cooling Towel	Blue	6





WORKWEAR 2

WS Workwear

FRONTIER SAFETY

MACK

BOOMERANG

BIZ COLLECTION

BIZCORPORATES

JB's wear

BOOL Protective Technologies

KEEPING YOUR TEAM SAFE, COMPLIANT AND LOOKING GOOD IS EFFORTLESS

with our range of quality workwear, protective wear, corporate clothing and accessories suited to a variety of working conditions. Rationalising, ordering, customising and managing your workwear is also made easy with tried and tested online systems, expert technical advice and national distribution network.

HI-VIS SHIRTS	176-179
HI-VIS POLOS & T-SHIRTS	180-182
PANTS & SHORTS	183-186
DENIM JEANS	187-188
HI-VIS WOMENS SHIRTS & POLOS	190-191
WOMENS PANTS	192-193
HI-VIS MATERNITY WEAR	194
HI-VIS COVERALLS	195
HI-VIS JACKETS & VESTS	196-198
WET WEATHER / RAINWEAR	199-203
FLAME RESISTANT GARMENTS	204-213
FASHION BIZ CORPORATE WEAR	214-220
JB'S WORKWEAR	222-223
ACCESSORIES	224-225

BUNZL safety & lifting

For Safe Working Lives.

SAFE WORKWEAR IS NOT ONLY ABOUT BEING VISIBLE IN ALL CONDITIONS, BUT ENSURING THE BODY IS PROTECTED FROM EXPOSURE TO NATURAL ELEMENTS AND POTENTIAL WORKPLACE HAZARDS.

At Bunzl Safety & Lifting, we prioritise workplace safety and risk reduction. That's why we offer and recommend only products that meet the latest standards and the newest trends in workwear.

All of our high visibility workwear, fire resistant clothing and protective wear meets the necessary Australian and New Zealand Standards for safety garments.

WHAT ARE THE HI VIS STANDARDS?

All hi vis workwear used on a work site must be compliant with two Australian Standards:

- **AS/NZS 1906.4:2023** - Retroreflective materials and devices for road traffic control purposes
  Part 4: High-visibility materials for safety garments
  - Refers to the reflective or fluorescent materials used
- **AS 4602.1:2024** - Hi visibility safety garments
  Part 1: Garments for high risk applications
  - Covers all other aspects of design and tape position

HIGH VISIBILITY MATERIALS - AS/NZS 1906.4.2023

FOUR CLASSES COVER HIGH VISIBILITY SAFETY MATERIALS:

- **Class F:** Daytime flurorescent
- **Class R:** Retro reflective material
- **Class RF:** Retro reflective and fluorescent
- **Class NF:** High daytime visibility, non-fluoroescent

These classes are used to determine the day or night that a garment can be worn, and whether it is fluorescent or retroreflective.

HIGH VISIBILITY GARMENTS - AS 4602.1:2024

High visibility garments are categorised in classes and three levels, depending on whether they are intended for day or night use.

These are:

- **Class D:** Day Use Only
  (minimum 0.2m² of fluorescent fabric on the upper front/back torso)
- **Class N:** Night Use Only
  (reflective tape applied according to Standards)
- **Class D/N:** Day and Night Use (combination of the above two).



UV PROTECTION - AS 4399:2020

If employees are exposed to direct sunlight during their work day, they should be wearing garments with the required UV protection. These garments must comply with Australian Standard AS 4399:2020. For those employees who work in direct sunlight, the UPF rating of safety garments should be in the 50-50+ Excellent Category with arm and leg coverage.

This Standard specifies the requirements for determining the UPF level of protection from the sun for garments that are worn in close proximity to the skin.

THERE ARE THREE PROTECTION UPF RATINGS:

RATED UPF	CLASSIFICATION
15	MINIMUM PROTECTION
30	GOOD PROTECTION
50 - 50+	EXCELLENT PROTECTION

UPPER BODY - Minimum coverage of clothing should include the shoulders, torso and at least 3/4 of upper-arms.

LOWER BODY - Minimum coverage of clothing should include the hip line to at least halfway down the thighs.

ALL-IN-ONE COVERAGE - The recommended minimum coverage of clothing includes the shoulders, at least 3/4 of upper-arms, and reduced if the material is wet, stretched or from the effects of normal wear or exposure to chemicals.

FIRE RESISTANT CLOTHING

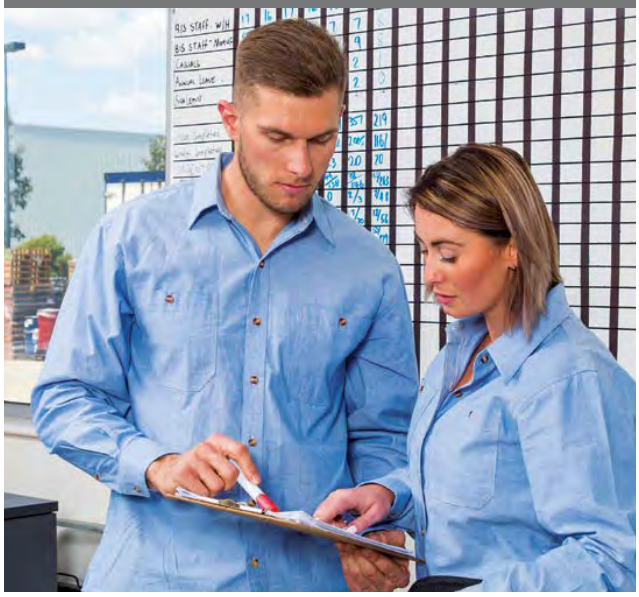
Fire Resistant (FR) clothing helps protect workers from short-term thermal incidents. In an industrial setting, the most serious burns typically aren't caused by the actual fire or explosion itself, but by standard work gear (made from non-FR cotton, nylon or polyester) igniting and continuing to burn even after the heat source has been removed. FR clothing helps combat this problem because it self-extinguishes when exposed to flame, dramatically reducing the severity of burn injuries. Minimising the percentage of the body that is injured by burns can greatly increase chances of survival.

STATIC CONTROL - AS/NZS 1020:2023

The Standard defines recommendations for the control of static electricity. l00% cotton and 50%/50% cotton blend products are defined as suitable fabrics to manage the risk of static build up. If the wearer is prone to dry skin, especially in winter months, we strongly recommend that 100% Cotton workwear is worn against the skin. Synthetic undergarments may counteract this advantage so, where possible, we recommend the wearing of natural fibre undergarments.

Invest in your team's presentation with our range of cost effective, versatile and smart corporate wear from our leading suppliers.

We believe that a garment should be worn with confidence, and that's why our range includes the latest corporate styles in quality fabrics, which are easy to care for and wear.



CUSTOMISED UNIFORMS & EMBROIDERY SERVICES

Our experienced customer service and embroidery staff can provide embroidery, screen printing, additional taping and alterations to your uniform orders according to your individual company needs.

We will co-ordinate all aspects of this service, from logo and employee name set up, through to artwork approvals, required customisations and order delivery.

Our fast turnaround times and quality embroidery / screen printing machines ensure you and your staff are looking professional and uniform in no time!



BOOMERANG

Supply Nation CERTIFIED

THE BOOMERANG® RANGE OF WORKWEAR, FIRE RESISTANT (FR) CLOTHING, AND PPE IS PROUDLY DESIGNED AND MANUFACTURED IN PARTNERSHIP WITH COLE SUPPLIES PTY LTD - A NOONGAR OWNED AND OPERATED INDIGENOUS AUSTRALIAN COMPANY AND A SUPPLY NATION-CERTIFIED BUSINESS.

Developed through extensive consultation with hundreds of mining companies, the Boomerang® range features high-quality cuts and designs, proudly displaying the distinctive Boomerang logo and tailored for Australian working environments.

As the exclusive distributor of the Boomerang® range, we help organisations meet their Indigenous supply quotas while fostering meaningful supply chain relationships with Aboriginal and Torres Strait Islander communities.



BOOL

Protective Technologies

For years, Australian industries have relied on Bool to provide the safest protection against onsite hazards, namely arc flash and flash fire.

A range designed to withstand low light sources, strong heat, open arcs, chemical and static hazards on Australia's most danger prone sites.

Our parvotex fabric is the cornerstone of the Bool brand offering a self-extinguishing, breathable inherent FR solution, the perfect solution for Australia's hot, humid environment. This is uncompromised protection against unforeseen open electric arc incidents and flash fire events.



PERFORMANCE SYSTEMS

*articulated*FIT™

A body design system to allow natural bio mechanical movement of the lower body enhancing zonal flexibility.



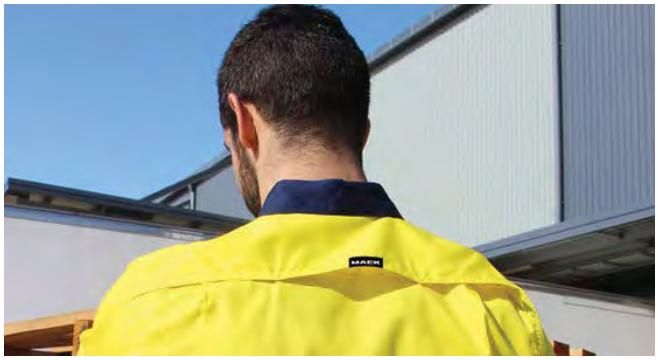




radiatorTECH™

Manufacturing and design principles which allow breathability and natural air movement keeping your body cooler while you work.





exoSHIELD

Designed to protect and reinforce hard wearing zones on your clothing giving long lasting durability.





ANTI-STATIC

Garments made from fabrics that minimise the static build up in volatile environments. This is a safety requirement for most electricians.

REFLECTIVE

Garment contains retro-reflective material to improve visibility in low light conditions.





LIGHTWEIGHT HI-VIS VENTED SHIRTS

MACK



MENS LIGHTWEIGHT RIPSTOP TAPED VENTED SHIRT

FEATURES AND BENEFITS

- Lightweight and breathable
- Double hoop tape configuration & single hoop at sleeves
- 50mm reflective tape
- Mack® radiatorTech™ Horizontal back yoke and underarm venting
- Left hand side pocket with pen partition

WEIGHT: 145GSM

CODE	FABRIC	SIZE
MK9186497	100% Cotton Ripstop	S - 6XL

BOOMERANG



MENS LIGHTWEIGHT RIPSTOP HOOP TAPED VENTED SHIRT

FEATURES AND BENEFITS

- Lightweight and breathable
- Double hoop tape configuration and single hoop at sleeves
- 50mm reflective tape
- Horizontal back and underarm venting
- Left hand side pocket with pen partition

WEIGHT: 145GSM

CODE	FABRIC	SIZE
CW9186497	100% Cotton Ripstop	S - 5XL

WS Workwear



MENS LIGHTWEIGHT KOOLFLOW HOOP TAPED VENTED SHIRT

FEATURES AND BENEFITS

- Lightweight and breathable
- Double hoop tape configuration & single hoop at sleeves
- Australian compliant retro reflective tape - 50mm
- Koolflow horizontal back venting and underarm mesh vents
- Twin mitred chest pockets with button closure

WEIGHT: 160GSM

CODE	FABRIC	SIZE
WS91864H8	100% Cotton Twill	2XS - 5XL

WS Workwear



MENS LIGHTWEIGHT KOOLFLOW SHORT SLEEVE HOOP TAPED VENTED SHIRT

FEATURES AND BENEFITS

- Double hoop tape configuration & single hoop at sleeves
- Australian compliant retro reflective tape - 50mm
- Koolflow horizontal back venting and underarm mesh vents
- Twin mitred chest pockets with button closure
- LHS pocket with pen partition

WEIGHT: 160GSM

CODE	FABRIC	SIZE
WS91864H5	100% Cotton Twill	S - 5XL



KOOLFLOW

HORIZONTAL VENTING SYSTEM

FEATURING

UNDERARM MESH VENTS
Keeping you cool on the inside,
while your body heat is released out

KOOLFLOW HORIZONTAL VENTING
Horizontal back venting system that provides maximum airflow entry with added cotton mesh panel for comfort across the back

HORIZONTAL

HI-VIS NON VENTED SHIRTS

WS Workwear

COOL LIGHT WEIGHT
CLASS D/N DAY OR NIGHT USE LEVEL 1
SUN PROTECTION
STATIC CONTROL
REFLECTIVE



MENS LIGHTWEIGHT HOOP TAPED SHIRT

FEATURES AND BENEFITS

- Breathable non vented 2Tone long sleeve shirt
- Full body coverage option
- Reflective tape - 50mm for extra visibility
- Twin mitred chest pockets with button closure

WEIGHT: 160GSM

CODE	FABRIC	SIZE
WS9186448	100% Cotton Drill Preshrunk	XS - 5XL

MACK

CLASS D/N DAY OR NIGHT USE LEVEL 1
SUN PROTECTION
STATIC CONTROL



MENS TAPED COTTON SHIRT

FEATURES AND BENEFITS

- Classic hard wearing long sleeve day/night shirt
- Double hoop tape configuration & single hoop at sleeves
- Reflective tape - 50mm for extra visibility
- Twin mitred chest pockets with button closure

WEIGHT: 190GSM

CODE	FABRIC	SIZES
MK9186441	100% Cotton Drill	XS - 6XL

BOOMERANG

CLASS D/N DAY OR NIGHT USE LEVEL 1
SUN PROTECTION
STATIC CONTROL
REFLECTIVE



MENS HOOP TAPED SHIRT

FEATURES AND BENEFITS

- Classic hard wearing long sleeve day/night shirt
- Double hoop tape configuration and single hoop at sleeves
- 50mm reflective tape
- Twin patch chest pockets with button closure
- Left hand side pocket with pen partition

WEIGHT: 190GSM

CODE	FABRIC	SIZE
CW9186441	100% Cotton Drill	XS - 6XL



WS Workwear

CLASS D/N DAY OR NIGHT USE LEVEL 1

SUN PROTECTION

STATIC CONTROL

REFLECTIVE



MENS HOOP TAPED CLASSIC SHIRT

FEATURES AND BENEFITS

- Classic full hi vis day/night shirt
- Double hoop tape configuration & single hoop at sleeves
- Reflective tape - 50mm for extra visibility
- Twin mitred chest pockets with button closure

WEIGHT: 190GSM

CODE	FABRIC	SIZE
WS0918441	100% Cotton Drill Preshrunk	XS - 5XL

WS Workwear

CLASS D/N DAY OR NIGHT USE LEVEL 1

SUN PROTECTION

STATIC CONTROL

REFLECTIVE



MENS CLOSED FRONT HOOP TAPED GUSSET SLEEVE SHIRT

FEATURES AND BENEFITS

- 2Tone long gusset sleeve shirt
- Closed front with button closure
- Double hoop tape configuration & single hoop at sleeves
- Reflective tape - 50mm for extra visibility
- Twin mitred chest pockets with button closure

WEIGHT: 190GSM

CODE	FABRIC	SIZE
WS9186442	100% Cotton Drill Preshrunk	XS - 6XL

WS Workwear

CLASS D/N DAY OR NIGHT USE LEVEL 2

SUN PROTECTION

STATIC CONTROL

REFLECTIVE



MENS H TAPED CLASSIC SHIRT

FEATURES AND BENEFITS

- 2Tone H tape shirt for extra over head visibility
- H tape configuration & single hoop at sleeves
- Reflective tape - 50mm for extra visibility
- Twin mitred chest pockets with touch tape

WEIGHT: 190GSM

CODE	FABRIC	SIZE
WS9586443	100% Cotton Drill Preshrunk	S - 5XL

WS Workwear

CLASS D/N DAY OR NIGHT USE LEVEL 2

SUN PROTECTION

STATIC CONTROL

REFLECTIVE



MENS H FRONT X BACK TAPED CLASSIC SHIRT

FEATURES AND BENEFITS

- Hi vis colour
- X back tape configuration with extra hem tape
- Reflective tape - 50mm for extra visibility
- Rail transport compliant tape configuration
- Twin mitred chest pockets with button closure

WEIGHT: 190GSM

CODE	FABRIC	SIZE
WS0938442	100% Cotton Drill Preshrunk	S - 5XL



SHORT SLEEVE H TAPED COTTON T-SHIRT

FEATURES AND BENEFITS

- 100% cotton jersey
- 50mm stretch retro-reflective tape in “H” body configuration
- Sleeve hoops - compliant to AS 4602.1.2011
- Left hand side patch pockets with pen partition

WEIGHT: 180GSM

CODE	FABRIC	SIZE
MK9586487	100% Cotton Jersey	XS-6XL



SHORT SLEEVE TAPED VENTED COTTON POLO

FEATURES AND BENEFITS

- Vented 2Tone cotton jersey polo
- Segmented “hoop” taped configuration & single hoop at sleeves
- Mack® radiatorTech™ - Back yoke and underarms venting
- Left hand side chest pocket
- 3 buttons placket
- Rib hem cuff with tipping

WEIGHT: 180GSM

CODE	FABRIC	SIZE
MK9186486	100% Cotton Jersey	XS-6XL



TAPED VENTED COTTON POLO

FEATURES AND BENEFITS

- Vented 2Tone cotton jersey polo
- Segmented “hoop” taped configuration & single hoop at sleeves
- Mack® radiatorTech™ Horizontal mesh back yoke venting
- Left hand side chest pocket
- 3 buttons placket
- Rib hem cuff with tipping

WEIGHT: 180GSM

CODE	FABRIC	SIZE
MK9186485	100% Cotton Jersey	XS-6XL



TAPED VENTED COTTON JERSEY POLO

FEATURES AND BENEFITS

- Vented 2Tone cotton jersey polo
- Segmented “hoop” taped configuration & single hoop at sleeves
- Underarms venting
- Horizontal mesh back yoke venting
- Left hand side chest pocket
- 3 buttons placket
- Rib hem cuff with tipping

WEIGHT: 180GSM

CODE	FABRIC	SIZE
CW9186485	100% Cotton Jersey	XS-5XL

WS Workwear

COOL LIGHT WEIGHT
EASY CARE
CLASS D DAY USE ONLY
SUN PROTECTION



SHORT SLEEVE MICROMESH POLO

FEATURES AND BENEFITS

- Lightweight, easy care fabric option and quick drying
- 2Tone micromesh short sleeve polo
- Contrast panel at front only
- Knitted collar and cuff (collar with 2x stripes)
- RHS chest pockets with pen partition

WEIGHT: 160GSM

CODE	FABRIC	SIZE
WS06473PS	100% Polyester Micromesh	XS - 5XL

WS Workwear

COOL LIGHT WEIGHT
EASY CARE
CLASS D DAY USE ONLY
SUN PROTECTION



MICROMESH POLO

FEATURES AND BENEFITS

- Lightweight, easy care fabric option
- Quick drying
- 2Tone micromesh long sleeve polo
- Knitted collar and cuff (collar with 2 x stripes)
- Right hand side chest pockets with pen partition

WEIGHT: 160GSM

CODE	FABRIC	SIZE
WS06471PS	100% Polyester Micromesh	S - 5XL

WS Workwear

COOL LIGHT WEIGHT
EASY CARE
CLASS D/N DAY OR NIGHT USE LEVEL 1
SUN PROTECTION
REFLECTIVE



HOOP TAPED MICROMESH POLO

FEATURES AND BENEFITS

- Lightweight, easy care fabric option
- Quick drying
- 2Tone micromesh long sleeve polo
- Double hoop tape configuration & single hoop at sleeves
- Reflective tape - 50mm for extra visibility

WEIGHT: 160GSM

CODE	FABRIC	SIZE
WS9186471	100% Polyester Micromesh	S - 6XL

WS Workwear

COOL LIGHT WEIGHT
EASY CARE
CLASS D DAY USE ONLY
SUN PROTECTION
VENTED



SHORT SLEEVE VENTED COTTON BACKED POLYESTER POLO

FEATURES AND BENEFITS

- Cool, breathable & moisture wicking
- Vented cotton back short sleeve polo
- Under sleeve and side mesh panels
- Right hand side chest pockets with pen partition

CODE	FABRIC	SIZE
WS0006486	55% Cotton, 45% Polyester Micromesh Cottonback	S - 5XL

WS Workwear



VENTED COTTON BACKED POLYESTER POLO

FEATURES AND BENEFITS

- Cool, breathable & moisture wicking
- 2Tone vented cotton back long sleeve polo
- Under sleeve & side mesh panels
- 3 buttons Placket
- Right hand side chest pockets with pen partition

CODE	FABRIC	SIZE
WS0006484	55% Cotton, 45% Polyester Micromesh Cottonback	S - 5XL

WS Workwear



HOOP TAPED COTTON BACKED POLO

FEATURES AND BENEFITS

- Cool, breathable & moisture wicking
- 2Tone cotton back long sleeve polo
- Double hoop tape configuration & single hoop at sleeves
- Reflective tape - 50mm for extra visibility

CODE	FABRIC	SIZE
WS9186481	55% Cotton, 45% Polyester Micromesh Cottonback	S - 5XL

WS Workwear



SHORT SLEEVE HOOP TAPED COTTON BACKED POLO

FEATURES AND BENEFITS

- Cool, breathable & moisture wicking
- 2Tone cotton back short sleeve polo
- Double hoop tape configuration & single hoop at sleeves
- Reflective tape - 50mm for extra visibility

CODE	FABRIC	SIZE
WS9186483	55% Cotton, 45% Polyester Micromesh Cottonback	S - 5XL



BOOMERANG

MODERN FIT

SUN PROTECTION

STATIC CONTROL



MENS LIGHTWEIGHT COTTON DRILL UTILITY PANTS

FEATURES AND BENEFITS

- Lightweight drill modern fit pant
- Mitred front side pockets
- Inseam back yoke pockets
- RHS back pocket with zipper & LHS back tool pocket

WEIGHT: 190GSM

CODE	FABRIC	R SIZES	S SIZES
CW0003316	100% Cotton Drill	82R - 112R	87S - 132S

BOOMERANG

MODERN FIT

CLASS N-E NIGHT USE ENSEMBLE LEVEL 2

SUN PROTECTION

STATIC CONTROL

REFLECTIVE



MENS LIGHTWEIGHT COTTON DRILL TAPED UTILITY PANTS

FEATURES AND BENEFITS

- Lightweight drill modern fit pant
- Single hoop 50mm reflective tape above knee
- Mitred front side pockets
- Inseam back yoke pockets
- RHS with zipper closure and LHS tool pocket only

WEIGHT: 190GSM

CODE	FABRIC	R SIZES	S SIZES
CW0008316	100% Cotton Drill	82R - 112R	87S - 132S

MACK

MODERN FIT

SUN PROTECTION

STATIC CONTROL



MENS CANVAS CARGO PANTS

FEATURES AND BENEFITS

- New modern canvas fit pant
- Angled Front side pockets with RHS coin pocket
- YKK nylon zipper
- Shaped back yoke
- Two back patch pocket
- Cargo pockets with pocket flaps and additional utility pockets

WEIGHT: 270GSM

CODE	FABRIC	R SIZES	S SIZES
MK0003338	100% Cotton Canvas, Preshrunk	82R - 112R	87S - 132S

MACK

MODERN FIT

CLASS N-E NIGHT USE ENSEMBLE LEVEL 2

SUN PROTECTION

STATIC CONTROL

REFLECTIVE



MENS TAPED CANVAS CARGO PANTS

FEATURES AND BENEFITS

- New modern canvas fit pant
- Single hoop Reflective tape 50mm above knees
- Angled Front side pockets with RHS coin pocket
- YKK nylon zipper
- Cargo pockets with pocket flaps and additional utility pockets

WEIGHT: 270GSM

CODE	FABRIC	R SIZES	S SIZES
MK0008338	100% Cotton Canvas, Preshrunk	72R - 112R	87S - 132S

BOOMERANG

MODERN FIT

CLASS N-E NIGHT USE ENSEMBLE LEVEL 2
SUN PROTECTION
STATIC CONTROL
REFLECTIVE



MENS COTTON CANVAS TAPED CARGO PANTS

FEATURES AND BENEFITS

- Modern fit cotton cargo with slimmer legs
- Single hoop - 50mm reflective tape AS/NZS 1906.4:2003
- Mitred back pockets
- Multi cargo pockets with pocket flap at right leg
- Right back ruler / tool pocket

WEIGHT: 270GSM

CODE	FABRIC	R SIZES	S SIZES	L SIZES
CW0008315	100% Cotton Canvas	82R - 112R	87S - 132S	79L - 94L

WS Workwear

MODERN FIT

SUN PROTECTION
STATIC CONTROL



MENS MODERN CANVAS CARGO PANTS

FEATURES AND BENEFITS

- Angled front side pockets with RHS coin pocket
- YKK nylon zipper
- Shaped back yoke
- Two back patch pocket
- Cargo pockets with pocket flaps & additional utility pockets

WEIGHT: 270GSM

CODE	FABRIC	R SIZES	S SIZES
WS0003338	100% Cotton Canvas	72R - 112R	87S - 132S

WS Workwear

DURABLE CANVAS

SUN PROTECTION
STATIC CONTROL



MENS MID WEIGHT CANVAS CARGO PANTS

FEATURES AND BENEFITS

- Flat front cargo canvas pant
- YKK zipper
- Angled front side pockets with RHS coin pocket
- Internal contrast waistband facing and pocket flap facings

WEIGHT: 270GSM

CODE	FABRIC	R SIZES	S SIZES	L SIZES
OW0003333	100% Cotton Canvas Preshrunk	72R - 112R	87S - 132S	79L - 94L

WS Workwear

DURABLE CANVAS

CLASS N-E NIGHT USE ENSEMBLE LEVEL 2
SUN PROTECTION
STATIC CONTROL
REFLECTIVE



MENS MID WEIGHT TAPED CANVAS CARGO PANTS

FEATURES AND BENEFITS

- Flat front cargo canvas pant
- Single hoop reflective tape - 50mm above knees
- Internal contrast waistband facing and pocket flap facings
- YKK zipper
- Angled front side pockets with RHS coin pocket

WEIGHT: 270GSM

CODE	FABRIC	R SIZES	S SIZES	L SIZES
OW0008333	100% Preshrunk Cotton Canvas	72R - 112R	87S - 132S	79L - 94L

WS Workwear

DURABLE CANVAS

SUN PROTECTION



MENS "TRADIES MATE" PANTS WITH CORDURA®

FEATURES AND BENEFITS

- Flat front pant
- Cordura® reinforced patches at cargo utility pockets and knee patches
- RHS double ruler pocket with utility loop and knee patches
- LHS cargo pocket with additional mobile phone pocket

WEIGHT: 260GSM

CODE	FABRIC	R SIZES	S SIZES	L SIZES
WS0003337	100% Preshrunk Cotton Canvas	72R - 112R	87S - 132S	79L - 94L

WS Workwear

DURABLE CANVAS

SUN PROTECTION

STATIC CONTROL



MENS MID WEIGHT CANVAS CARGO SHORTS

FEATURES AND BENEFITS

- Flat front cargo canvas short
- Internal contrast waistband facing and pocket flap facings
- Angled front side pockets with right hand side coin pocket
- YKK zipper

WEIGHT: 270GSM

CODE	FABRIC	R SIZE
OW0007773	100% Cotton Canvas Preshrunk	77R - 102R

WS Workwear

CLASSIC

SUN PROTECTION

STATIC CONTROL



MENS CLASSIC FRONT PLEAT DRILL PANTS

FEATURES AND BENEFITS

- Single pleat front pant
- Heavy weight drill trouser
- Concealed button closure
- YKK zipper
- Single right back hip pocket

WEIGHT: 310GSM

CODE	FABRIC	R SIZES	S SIZES	L SIZES
WS0003331	100% Cotton Drill Preshrunk	72R - 112R	87S - 132S	79L - 94L



WS Workwear

CLASSIC FIT

CLASS N-E NIGHT USE ENSEMBLE LEVEL 2

SUN PROTECTION

STATIC CONTROL

REFLECTIVE



MENS CLASSIC TAPED DRILL PANTS

FEATURES AND BENEFITS

- Single pleat front pant
- Heavy weight drill trouser
- Single hoop reflective tape - 50mm above knees
- Concealed button closure

WEIGHT: 310GSM

CODE	FABRIC	R SIZES	S SIZES	L SIZES
WS0008331	100% Cotton Drill Preshrunk	72R - 112R	87S - 132S	79L - 94L

WS Workwear

CLASSIC

SUN PROTECTION

STATIC CONTROL



MENS CLASSIC CARGO DRILL PANTS

FEATURES AND BENEFITS

- Flat front pant
- Heavy weight drill cargo trouser
- Waistband button extension
- YKK zipper
- Two back patch pockets with touch tape closure

WEIGHT: 310GSM

CODE	FABRIC	R SIZES	S SIZES	L SIZES
WS0003339	100% Cotton Drill Preshrunk	72R - 112R	87S - 132S	79L - 94L



MACK

NEW MODERN FIT

SUN PROTECTION

NEW



MENS DARK DENIM STRETCH JEANS

FEATURES AND BENEFITS

- New dark & durable cotton stretch denim in modern fit
- ArticulatedFIT™ feature including the shaped back yoke and knee panels to enhance body movements
- Traditional 5 pockets Jean for the required extra storage
- Wider belt loops for extra strength
- Triangle plastic key holder applied to right hand side belt loop

WEIGHT: 440GSM

CODE	FABRIC	R SIZES	S SIZES	L SIZES
MKIJN0001	98% Cotton, 2% Elastane Denim	82R - 112R	87S - 132S	79L - 94L

BOOMERANG

NEW MODERN FIT

SUN PROTECTION



MENS STRAIGHT LEG STRETCH JEANS

FEATURES AND BENEFITS

- Dark denim in traditional straight leg cut
- 5 pockets jean with coin pocket at RHS
- Knee darts
- Twin back patch pockets with detail stitching & seam
- Contrast tan colour twin needle stitching on side seams rises and pockets for extra reinforcement

WEIGHT: 440GSM

CODE	FABRIC	R SIZES	S SIZES
CW0003317	98% Cotton, 2% Elastane Denim	82R - 112R	87S - 132S

BOOMERANG

NEW MODERN FIT

CLASS N-E NIGHT USE ENSEMBLE LEVEL 2

SUN PROTECTION

REFLECTIVE



MENS TAPED STRAIGHT LEG STRETCH JEANS

FEATURES AND BENEFITS

- New dark denim in traditional straight leg cut
- Single hoop 50mm stretch reflective tape above knee
- Twin back patch pocket with detail stitching
- Knee darts
- Reinforced back hem

WEIGHT: 440GSM

CODE	FABRIC	R SIZES	S SIZES
CW0008317	98% Cotton, 2% Elastane Denim	77R - 112R	87S - 132S

WS Workwear

CLASSIC DENIM

SUN PROTECTION



MENS CLASSIC DENIM CUT JEANS

FEATURES AND BENEFITS

- Strong & durable
- Traditional straight leg cut
- Straight waistband with metal stud closure
- Front rounded side pocket with RHS coin pocket
- Metal YKK zipper
- Twin back patch pocket with detail stitching

WEIGHT: 460GSM

CODE	FABRIC	R SIZES	S SIZES	L SIZES
OW0003332	100% Cotton Denim	72R - 112R	87S - 132S	79L - 94L

DENIM JEANS

WS Workwear

CLASSIC DENIM

CLASS N-E NIGHT USE ENSEMBLE LEVEL 2

SUN PROTECTION

REFLECTIVE



MENS TAPED CLASSIC COTTON JEANS

FEATURES AND BENEFITS

- Traditional straight leg cut
- Single hoop reflective tape - 50mm above knees
- Straight waistband with metal stud closure
- Metal YKK zipper
- Twin back peak pocket with detail

WEIGHT: 460GSM

CODE	FABRIC	R SIZES	S SIZES	L SIZES
OW0008332	100% Cotton Denim	72R - 112R	87S - 132S	79L - 94L

WS Workwear

CLASSIC STRETCH DENIM

SUN PROTECTION



MENS CLASSIC COTTON STRETCH JEANS

FEATURES AND BENEFITS

- Comfort stretch traditional straight leg cut
- Shaped waistband with metal stud closure
- Front rounded side pocket with right hand side coin pocket
- Metal YKK Zipper
- Twin back patch pocket

WEIGHT: 450GSM

CODE	FABRIC	R SIZES	S SIZES	L SIZES
OW0003336	98% Cotton, 2% Elastane Denim	72R - 112R	87S - 132S	79L - 94L

WS Workwear

CLASSIC STRETCH DENIM

CLASS N-E NIGHT USE ENSEMBLE LEVEL 2

SUN PROTECTION

REFLECTIVE



MENS TAPED COTTON STRETCH JEANS

FEATURES AND BENEFITS

- Comfort stretch
- Traditional straight leg cut
- Single hoop reflective tape - 50mm above knees
- Shaped waistband with metal stud closure
- Metal YKK zipper

WEIGHT: 450GSM

CODE	FABRIC	R SIZES	S SIZES	L SIZES
OW0008336	98% Cotton, 2% Elastane Denim	77R - 112R	87S - 132S	79L - 94L

WS Workwear

CLASS N-E NIGHT USE ENSEMBLE LEVEL 3

SUN PROTECTION

STATIC CONTROL

REFLECTIVE



MENS BIO MOTION TAPED DRILL CARGO PANTS

FEATURES AND BENEFITS

- Flat front heavy weight drill cargo pant
- Bio motion - Dual hoop compliant reflective tape
- Waistband button extension
- YKK nylon zipper
- Twin cargo pockets with flaps and dart detail

WEIGHT: 310GSM

CODE	FABRIC	R SIZES	S SIZES
WS0004339	100% Cotton Drill	72R - 112R	87S - 132S


STORMWATER HD SN2 1702II 0036 2COSD ASNZS 1254

WOMENS VENTED SHIRTS & POLOS

MACK

CLASS D/N DAY OR NIGHT USE LEVEL 1
SUN PROTECTION
STATIC CONTROL
VENTED



WOMENS LIGHTWEIGHT TAPED RIPSTOP VENTED SHIRT

FEATURES AND BENEFITS

- Lightweight & breathable
- Double hoop tape configuration & single hoop at sleeves
- 50mm Reflective Tape
- Mack® radiatorTech™ Horizontal back and underarm venting
- Left hand side pocket with pen partition

WEIGHT: 145GSM

CODE	FABRIC	SIZES
MKL918697	100% Cotton Ripstop	6 - 22

BOOMERANG

CLASS D/N DAY OR NIGHT USE LEVEL 1
SUN PROTECTION
STATIC CONTROL
REFLECTIVE



WOMENS LIGHTWEIGHT HOOP TAPED VENTED SHIRT

FEATURES AND BENEFITS

- Lightweight and breathable
- Double hoop tape configuration and single hoop at sleeves
- 50mm Reflective tape
- Horizontal back and underarm venting
- Left hand side pocket with pen partition

WEIGHT: 145GSM

CODE	FABRIC	SIZE
CWL918697	100% Cotton Ripstop	6-22

WS Workwear

COOL LIGHT WEIGHT
CLASS D/N DAY OR NIGHT USE LEVEL 1
SUN PROTECTION
STATIC CONTROL
VENTED
REFLECTIVE



WOMENS LIGHTWEIGHT HOOP TAPED KOOLFLOW SHIRT

FEATURES AND BENEFITS

- Womens 2Tone long sleeve shirt
- Double hoop tape configuration & single hoop at sleeves
- Reflective tape - 50mm for extra visibility
- Koolflow venting (vertical back venting)
- Underarm mesh vents

WEIGHT: 160GSM

CODE	FABRIC	SIZE
LW9186498	100% Cotton Drill Preshrunk	8 - 22

MACK

CLASS D/N DAY OR NIGHT USE LEVEL 1
SUN PROTECTION
STATIC CONTROL
VENTED
REFLECTIVE



WOMENS LIGHTWEIGHT TAPED VENTED COTTON POLO

FEATURES AND BENEFITS

- Hi-visibility: Day/Night (D/N) class
- UPF50+ “Excellent” sun protection
- 50mm heat seal segmented retro-reflective tape in hoop configuration
- Anti static - 100% cotton
- 2Tone design across the body and sleeves
- Mack® radiatorTech™ feature - Back yoke venting for additional breathability and air flow management

WEIGHT: 180GSM

CODE	FABRIC	SIZES
MKL918685	100% Cotton Jersey	8 - 22

MACK

CLASS D/N
DAY OR NIGHT USE
LEVEL 1

SUN
PROTECTION

STATIC
CONTROL



WOMENS TAPED COTTON SHIRT

FEATURES AND BENEFITS

- Womens 2Tone long sleeve shirt
- Double hoop tape configuration & single hoop at sleeves
- Reflective Tape - 50mm for extra visibility
- Twin mitred chest pockets with button closure
- Left hand side pocket with pen partition

WEIGHT: 190GSM

CODE	FABRIC	SIZES
MKL918641	100% Cotton Drill Preshrunk	8 - 22

WS Workwear

CLASS D/N
DAY OR NIGHT USE
LEVEL 1

SUN
PROTECTION

STATIC
CONTROL

REFLECTIVE



WOMENS HOOP TAPED CLASSIC DRILL SHIRT

FEATURES AND BENEFITS

- Womens 2Tone long sleeve shirt
- Double hoop tape configuration & single hoop at sleeves
- Reflective tape - 50mm for extra visibility
- Twin mitred chest pockets with button closure
- LHS pocket with pen partition

WEIGHT: 190GSM

CODE	FABRIC	SIZE
LW9186441	100% Cotton Drill Preshrunk	8 - 22



WOMENS PANTS

WS Workwear

DURABLE CANVAS

SUN PROTECTION
STATIC CONTROL



WOMENS MID WEIGHT CANVAS CARGO PANTS

FEATURES AND BENEFITS

- Flat front cargo canvas pant
- Internal contrast waistband facing and pocket flap facings
- YKK zipper
- Angled front side pockets with coin pocket
- Twin cargo patch pockets with angled peak flaps and dart detail

WEIGHT: 270GSM

CODE	FABRIC	SIZES
LW0003333	100% Cotton Canvas Preshrunk	8 - 22

WS Workwear

DURABLE CANVAS

CLASS N-E NIGHT USE ENSEMBLE LEVEL 2
SUN PROTECTION
STATIC CONTROL
REFLECTIVE



WOMENS MID WEIGHT TAPED CANVAS CARGO PANTS

FEATURES AND BENEFITS

- Flat front cargo canvas pant
- Single hoop reflective tape - 50mm above knees
- YKK zipper
- Angled front side pockets with coin pocket
- Twin cargo patch pockets with angled peak flaps and dart

WEIGHT: 270GSM

CODE	FABRIC	SIZES
LW0008333	100% Cotton Canvas Preshrunk	8 - 22

WS Workwear

NEW MODERN FIT

SUN PROTECTION
STATIC CONTROL

IMPROVED FIT



WOMENS MODERN CANVAS CARGO PANTS

FEATURES AND BENEFITS

- NEW ladies modern fit cargo pant
- Angled front side pockets with RHS coin pocket
- YKK nylon zipper
- Shaped back yoke and two back patch pockets
- Cargo pockets with pocket flaps and additional utility pockets

WEIGHT: 270GSM

CODE	FABRIC	SIZE
LW0003338	100% Cotton Canvas, Preshrunk	8-22

WS Workwear

CLASSIC

SUN PROTECTION
STATIC CONTROL



WOMENS HEAVY WEIGHT COTTON DRILL PANTS

FEATURES AND BENEFITS

- Heavy weight drill trouser
- Concealed button closure
- YKK zipper
- Angled front side pockets
- Right hand side hidden coin pocket

WEIGHT: 310GSM

CODE	FABRIC	SIZES
LW0003331	100% Cotton Drill Preshrunk	6 - 22

WS Workwear

CLASSIC

CLASS N-E NIGHT USE ENSEMBLE LEVEL 2

SUN PROTECTION

STATIC CONTROL

REFLECTIVE



WOMENS HEAVY WEIGHT TAPED COTTON DRILL PANTS

FEATURES AND BENEFITS

- Heavy weight drill trouser
- Single hoop reflective tape - 50mm above knees
- Concealed button closure
- YKK zipper
- Angled front side pockets

WEIGHT: 310GSM

CODE	FABRIC	SIZES
LW0008331	100% Cotton Drill Preshrunk	6 - 24

MACK

NEW MODERN FIT

SUN PROTECTION



WOMENS DARK DENIM STRETCH JEANS

FEATURES AND BENEFITS

- UPF50+ “Excellent” sun protection
- MACK® articulatedFIT™ feature including the shaped back yoke and knee panels to enhance body movements
- Font side pocket with coin pocket at RHS
- Twin back patch pocket with detail stitching

WEIGHT: 440GSM

CODE	FABRIC	SIZES
MKL003337	98% Cotton, 2% Elastane Denim	6 - 22

BOOMERANG

NEW TAPERED FIT

SUN PROTECTION

IMPROVED FIT



WOMENS STRAIGHT LEG STRETCH JEANS

FEATURES AND BENEFITS

- Curved waistband with metal stud
- Front side pocket with coin pocket at RHS
- Metal rivets at each end of front pockets
- Twin back patch pocket with detail stitching
- Tan thicker thread
- Knee darts

WEIGHT: 430GSM

CODE	FABRIC	SIZE
CWL003337	98% Cotton, 2% Elastane Denim	8-22

WS Workwear

CLASSIC STRETCH DENIM

SUN PROTECTION

EASY FIT



WOMENS BOOT CUT COTTON STRETCH JEANS

FEATURES AND BENEFITS

- Women “boot cut” stretch jean
- Shaped waistband with metal stud closure
- Metal YKK zipper
- Front rounded side pocket with coin pocket
- Metal rivets at each end of front pockets

WEIGHT: 13.05oz 447GSM

CODE	FABRIC	SIZE
LW0003336	98% Cotton 2% Elastane Denim	8-22

MATERNITY WEAR



WOMENS TAPED MATERNITY SHIRT

FEATURES AND BENEFITS

- Vented underarms and back yoke
- Day/night use
- CSR reflective tape
- Front box pleats

WEIGHT: 155GSM

CODE	FABRIC	SIZES
NNWSL6010	100% Cotton Drill	6 - 24



MATERNITY CARGO COTTON DRILL PANTS

FEATURES AND BENEFITS

- Cargo pocket
- Reinforced stress points
- Double layer rib knit waist panel with wide elastic insert

WEIGHT: 245GSM

CODE	FABRIC	SIZES
NNWPL0810	100% Cotton Drill	6 - 24



WOMENS TAPED MATERNITY DRILL SHIRT

FEATURES AND BENEFITS

- Reflective taped hoop pattern
- Maternity fit with inverted front pleats
- Two button down chest pockets
- Pen division on left hand side chest pocket
- Two piece structured collar
- Two button adjustable sleeve cuff

WEIGHT: 190GSM

CODE	FABRIC	SIZE
BILM6456T	100% Cotton Preshrunk Drill	6-24



WOMENS TAPED MATERNITY DRILL WORK PANTS

FEATURES AND BENEFITS

- Reflective tape around lower leg
- Maternity fit with double layer soft knit fabric tummy band
- Two angled side pockets
- Two back patch pockets
- Mobile phone pocket on right hand side

WEIGHT: 240GSM / 88% Polyester, 12% Spandex 260GSM

CODE	FABRIC	SIZE
BILM6009T	100% Cotton Preshrunk Drill	6-25

WS Workwear

CLASSIC FIT

COOL LIGHT WEIGHT

CLASS D/N DAY OR NIGHT USE LEVEL 1

SUN PROTECTION

STATIC CONTROL

REFLECTIVE



MENS LIGHTWEIGHT HOOP TAPED COVERALLS

FEATURES AND BENEFITS

- Light weight coverall
- 2Tone lightweight coverall
- Raglan sleeve with contras lower body and sleeves
- Reflective tape - 50mm for extra visibility
- Full open front with concealed plastic studs closure

WEIGHT: 190GSM

CODE	FABRIC	R SIZES	S SIZES	L SIZES
WS9186124	100% Cotton Drill Preshrunk	77R - 112R	87S - 132S	84L - 94L

WS Workwear

CLASSIC FIT

SUN PROTECTION

REFLECTIVE



MENS H & X BACK TAPED COVERALLS

FEATURES AND BENEFITS

- 2Tone heavy weight action back overall
- V neck open front with concealed metal studs closure
- H tape configuration at front and X back at braces
- Leg tapes above knee patches

WEIGHT: 310GSM

CODE	FABRIC	COLOUR	R SIZES	S SIZES	L SIZES
WS6115PRT	100% Cotton Drill Preshrunk	ON	77R - 117R	87S - 132S	79L - 94L
		YN	77R - 112R	97S - 132S	84L - 94L











XENON POLYESTER FLEECE HOODIE

FEATURES AND BENEFITS

- Two tone high visibility fleece hoodie
- exo SHIELD has been incorporated in the design of this garment at shoulder panels to provide reinforcement in high abrasion areas
- Angled front yoke panel with reflective piping for additional visibility
- Secured hood cord to for safety when working with machinery
- Retro-reflective piping for additional visibility

WEIGHT: 280GSM

CODE	FABRIC	SIZES
MKALH0002	100% Polyester Fleece	S - 6XL















H TAPED WOOL BLUEY JACKET

FEATURES AND BENEFITS

- Soft and comfortable day/night wool blend
- 2Tone wool blend jacket
- “H” tape configuration with single hoop tape at sleeves
- Internal flannel lining
- Front nylon zip closure

WEIGHT: 465GSM (Orange & Yellow), 422GSM (Navy)

CODE	FABRIC	SIZES
OW9586551	90% Wool, 10% Polyester with AC & W/R coating on face	S - 6XL











2TONE H TAPED THOMO JACKET

FEATURES AND BENEFITS

- Waterproof 2Tone taped jacket
- Quilted padded lining
- Reflective taped jacket in hoop and connecting over the shoulder tape configuration with double hoop at sleeves
- Polar fleece collar with fold-away hood

WEIGHT: 150D

CODE	FABRIC	SIZE
OW9686580	100% Polyester Oxford with PU Coating	S-6XL



MACK

CLASS D/N DAY OR NIGHT USE LEVEL 1

SUN PROTECTION

REFLECTIVE



QUARTER ZIP RECYCLED POLYESTER FLEECE TAPED JUMPER

FEATURES AND BENEFITS

- 1/4 zip 2Tone jumper
- Reflective tape across the body and arms
- UPF50+ “Excellent” sun protection
- Kangaroo pocket with twin needle contrast stitching
- Contrast inner collar, lower body and sleeves

WEIGHT: 280GSM

CODE	FABRIC	SIZES
MK9186528	100% Polyester Fleece	S - 6XL

MACK

CLASS D/N DAY OR NIGHT USE LEVEL 1

SUN PROTECTION

SHOWER PROOF

REFLECTIVE



XENON TAPED RECYCLED SOFTSHELL JACKET

FEATURES AND BENEFITS

- 2Tone high visibility softshell jacket
- Adjustable cuff closure
- Shaped longer back tail
- Segmented heat seal reflective tape for additional flexibility in movement and high visibility

CODE	FABRIC	SIZES
MKXEJ0002	Outer Face: 100% Recycled Polyester Bonded Inner Face: 100% Recycled Polyester Micro Fleece	S - 6XL

MACK

CLASS D/N DAY OR NIGHT USE LEVEL 1

REFLECTIVE



XENON TAPED RECYCLED SOFTSHELL VEST

FEATURES AND BENEFITS

- 2Tone high visibility softshell vest
- Sew on reflective tape in hoop and over the shoulder configuration for additional high visibility

CODE	FABRIC	SIZES
MKXEV0002	Outer Face: 100% Recycled Polyester Bonded Inner Face: 100% Recycled Polyester Micro Fleece	XS - 6XL

SUSTAINABILITY

THE USE OF THE RECYCLED RAW MATERIAL IN THIS PRODUCT HAS BEEN INDEPENDENTLY VERIFIED AND CERTIFIED TO MEET THE INTERNATIONAL GLOBAL RECYCLED STANDARD

ASR-102-V3.0-2021.11.16
THE GRS CERTIFICATION GUARANTEES THE FABRIC USED MEETS

- The requirements of the Content Claim Standard
- % Of content for recycled materials
- Traceability in supply chain from recycling to final product
- Has ethical and responsible production

RECYCLED % CONTENT

WS Workwear

SHOWER PROOF
WET WEATHER
CLASS D/N DAY OR NIGHT USE LEVEL 1
REFLECTIVE
RECYCLED 100% CONTENT



BOSTON RECYCLED POLYESTER OXFORD REVERSIBLE H TAPED VEST

FEATURES AND BENEFITS

- Hi vis taped vest with reversible polar fleece lined inner vest
- Outer vest with ID chest pocket and dual entry waist patch pockets
- Inner vest with slanting waist pocket and longer back tail

CONSTRUCTION: 150D

CODE	FABRIC	SIZE
WS9785860	100% Recycled Polyester Oxford with PU coating	S-6XL

WS Workwear

CLASS D/N DAY OR NIGHT USE LEVEL 1
REFLECTIVE
RECYCLED 100% CONTENT



ZIP FRONT RECYCLED POLYESTER TAPED SAFETY VEST

FEATURES AND BENEFITS

- Hi vis taped vest with ID chest pocket
- Hi vis vest outer with combination of “Hoop” and over the shoulder tape configuration
- Australian compliant retro reflective tape - 50mm

WEIGHT: 120GSM

CODE	FABRIC	SIZE
WS0008240	100% Recycled Polyester Tricot	S-4XL

FRONTIER SAFETY

CLASS D DAY USE ONLY
100% RECYCLED CONTENT



RECYCLED POLYESTER DAY SAFETY VEST

FEATURES AND BENEFITS

- Safety vest day use
- Complies to AS 4602.1:2011 Class D
- Retail self hand packaging

WEIGHT: 120GSM

CODE	FABRIC	SIZES
FRDARVEST	100 % Recycled Polyester	S - 4XL

FRONTIER SAFETY

CLASS D/N DAY OR NIGHT USE LEVEL 1
REFLECTIVE
100% RECYCLED CONTENT



RECYCLED POLYESTER DAY/NIGHT TAPED SAFETY VEST

FEATURES AND BENEFITS

- Hi vis taped day/night safety vest
- “H” pattern reflective
- Reflective Tape - 50mm for extra visibility

WEIGHT: 120GSM

CODE	FABRIC	SIZES
FRDNRVEST	100 % Recycled Polyester Tricot	S - 4XL

WS Workwear

SHOWER PROOF
WET WEATHER
CLASS D DAY USE ONLY
RECYCLED 75% CONTENT



RECYCLED POLYESTER FLYING JACKET

FEATURES AND BENEFITS

- Waterproof 2Tone flying jacket
- Quilted padded lining
- Fold-away hood at internal neck seam
- Front closure with under storm flap
- Ribbed cuffs and waistband

CONSTRUCTION: 150D

CODE	FABRIC	SIZE
WS0006520	100% Recycled Polyester Oxford with PU coating	S-6XL

WS Workwear

SHOWER PROOF
WET WEATHER
CLASS D DAY USE ONLY
REFLECTIVE
RECYCLED 75% CONTENT



RECYCLED POLYESTER H TAPED FLYING JACKET

FEATURES AND BENEFITS

- Waterproof 2Tone flying jacket
- Quilted padded lining
- Reflective taped jacket in “H” tape configuration with single hoop at sleeves
- Fold-away hood at internal neck seam
- Front closure with under storm flap

CONSTRUCTION: 150D

CODE	FABRIC	SIZE
WS9586520	100% Recycled Polyester Oxford with PU coating	S-6XL

WS Workwear

WET WEATHER
CLASS D/N DAY OR NIGHT USE
REFLECTIVE
RECYCLED 75% CONTENT



THOMO RECYCLED POLYESTER H TAPED JACKET

FEATURES AND BENEFITS

- Quilted 3/4 length 2Tone waterproof jacket
- Australian compliant retro reflective tape
- Adjustable sleeve tab cuff with internal storm cuff in 2x2 rib 50mm

CONSTRUCTION: 150D

CODE	FABRIC	SIZE
WS9686580	100% Recycled Polyester Oxford with PU coating	S-6XL

WS Workwear

WET WEATHER
CLASS D/N DAY OR NIGHT USE
REFLECTIVE
RECYCLED 85% CONTENT



CHICAGO BIOMOTION RECYCLED POLYESTER TAPED RAIN JACKET

FEATURES AND BENEFITS

- Waterproof and breathable jacket
- Reflective tape - combined Hoop and H tape configuration at body with bio motion hoop tape at sleeves
- Mesh lining
- Fold-away hood

CONSTRUCTION: 150D

CODE	FABRIC	SIZE
WS0968509	100% Recycled Polyester Oxford with PU coating	S-6XL

WS Workwear

WET WEATHER

REFLECTIVE



CHICAGO RECYCLED POLYESTER TAPED RAIN PANTS

FEATURES AND BENEFITS

- Waterproof and breathable pant
- Reflective Tape - double hoop tape configuration at lower legs
- Elasticated waistband with drawcord and adjuster
- Front side entry pockets
- Legs cuff with zipper and press stud for adjustment

CONSTRUCTION: 150D

CODE	FABRIC	SIZES
WS0968309	100% Recycled Polyester Oxford with PU coating	S - 6XL

WS Workwear

4 IN 1 JACKET

WET WEATHER

CLASS D/N DAY OR NIGHT USE LEVEL 1

REFLECTIVE

RECYCLED 85% CONTENT





WORN IN 4 WAYS

1 Hi vis jacket with zip out polar fleece vest for complete package
2 Hi vis outer jacket with mesh lining
3 Hi vis sleeveless vest with polar fleece lining
4 Polar fleece sleeve vest (reversed) with hand warmer pockets

OXFORD 4 IN 1 RECYCLED POLYESTER HOOP TAPED JACKET

FEATURES AND BENEFITS

- Versatile 3/4 Length 2Tone outer waterproof jacket with reversible polar fleece lined inner vest
- Jacket in hoop tape configuration and single hoop at sleeves
- Reversible vest - full hi vis hoop and over the shoulders tape configuration at outer face and polar fleece inner lining
- Outer and inner vest with slanting waist pockets

CONSTRUCTION: 150D

CODE	FABRIC	SIZE
WS9186590	100% Recycled Polyester Oxford with PU coating	XXS-6XL



WS Workwear

WET WEATHER

CLASS D/N DAY OR NIGHT USE

REFLECTIVE



H TAPED CHICAGO WATERPROOF JACKET

FEATURES AND BENEFITS

- Waterproof and breathable jacket
- Reflective Tape - combined Hoop and H tape configuration at body with bio motion hoop tape at sleeves
- Mesh lining
- Fold-away hood

CONSTRUCTION: 150D

CODE	FABRIC	SIZES
OW0968509	100% Polyester	S - 6XL

WS Workwear

SHOWER PROOF

WET WEATHER



TAPED PVC WATERPROOF JACKET

FEATURES AND BENEFITS

- PVC hi vis waterproof rain jacket with welded/heat seal seams
- Heat seal genetic reflective tape with hoop tape configuration and single hoop at sleeves
- 2 x waist patch welded pockets

CODE	FABRIC	SIZE
WS0918515	100% PVC Polyester	S - 5XL

WS Workwear

SHOWER PROOF

WET WEATHER



WATERPROOF PVC RAIN JACKET

FEATURES AND BENEFITS

- PVC waterproof hi vis rain jacket with welded/heat seal seams
- Storm front with zipper and concealed plastic press stud closure
- Attached hood
- Adjustable press stud cuff

CODE	FABRIC	SIZES
OW0005515	100% PVC Polyester	S - 5XL

WS Workwear

SHOWER PROOF

WET WEATHER

CLASS D DAY USE ONLY

RECYCLED 100% CONTENT



TAPED CHICAGO WATERPROOF RAIN PANT

FEATURES AND BENEFITS

- Waterproof and breathable pant
- Reflective tape - double hoop tape configuration at lower legs
- Elasticated waistband with drawcord and adjuster
- Front side entry pockets
- Legs cuff with zipper and press stud for adjustment

CONSTRUCTION: 150D

CODE	FABRIC	SIZE
OW0968309	100% Polyester Oxford with PU coating	S-5XL

WS Workwear

SHOWER PROOF

WET WEATHER



WATERPROOF PVC RAIN TROUSER

FEATURES AND BENEFITS

- PVC waterproof pant with welded/heat seal seams
- Elasticated waistband with drawcord and adjuster
- Front side entry pockets
- Ankle press studs for hem adjustment
- Welted heat sealed seams

CODE	FABRIC	SIZES
OW0003315	100% PVC Polyester	S - 5XL



MENS FLAME RESISTANT SHIRTS

BOOMERANG



MENS LW FR LS 2TONE HOOP TAPED VENTED SHIRT - PPE 1

FEATURES AND BENEFITS

- Inherent light weight FR fabric
- Double hoop tape configuration and single hoop at sleeves
- FR reflective tape - 50mm
- Horizontal venting (horizontal back venting)
- Underarm mesh vents
- Gusset sleeve and concealed plastic press stud closure

WEIGHT: 160GSM

CODE	FABRIC	SIZES
CW918640F	Lenzing FR / Aramid / Antistatic Ripstop	S - 6XL

BOOMERANG



MENS LW FR HI VIS LS H & X BACK TAPED VENTED SHIRT - PPE 1

FEATURES AND BENEFITS

- Inherent light weight FR fabric
- Full open front hi vis shirt with concealed plastic press stud
- H and X back tape configuration and single hoop at sleeves
- FR reflective tape - 50mm
- Horizontal venting (horizontal back venting)
- Underarm mesh vents

WEIGHT: 160GSM

CODE	FABRIC	SIZES
CW093840F	Lenzing FR / Aramid / Antistatic Ripstop	2XS - 6XL

BOOMERANG



MENS FR HI VIS LS H & X BACK TAPED VENTED SHIRT - PPE 2

FEATURES AND BENEFITS

- Full open front hi vis shirt with concealed plastic press stud
- H and X back tape configuration and single hoop at sleeves
- FR reflective tape - 50mm
- Horizontal venting (horizontal back venting)
- Underarm mesh vents
- Gusset sleeve and concealed plastic press stud closure

WEIGHT: 215GSM

CODE	FABRIC	SIZES
CW093842F	Lenzing FR / Aramid / Antistatic Twill	2XS - 6XL

BOOMERANG



MENS FR LS 2TONE HOOP TAPED VENTED SHIRT WITH PATCH POCKETS - PPE 2

FEATURES AND BENEFITS

- Inherent FR fabric
- Double hoop tape configuration and single hoop at sleeves
- FR reflective tape - 50mm
- Horizontal vack venting and underarm mesh vents
- Twin patch pocket with touch tape closure

WEIGHT: 215GSM

CODE	FABRIC	SIZES
CW918642F	Lenzing FR / Aramid / Antistatic Twill	S - 6XL



MENS ULTRA LIGHTWEIGHT PPE 1 SHIRT WITH SEGMENTED FR REFLECTIVE TAPE

FEATURES AND BENEFITS

- 155gsm lightweight garment providing PPE 1 (5.9 cal/cm^2) protection
- Parvotex™ FR inherent fabric, with a blend of 32% cotton offers breathability and protection
- Strong reinforced ripstop fabric
- Lightweight FR segmented reflective tape tested to AS/NZS 1906.4:2010, ensures superior comfort
- Anti-static fabric dissipates electrostatic charge as per EN1149-3

WEIGHT: 155GSM

CODE	FABRIC	SIZES
BW2505T1	Parvotex™ FR / 32% Cotton / Antistatic Ripstop	S - 6XL



MENS ULTRA LIGHTWEIGHT PPE 2 SHIRT WITH SEGMENTED FR REFLECTIVE TAPE

FEATURES AND BENEFITS

- 197gsm regular weight garment providing PPE 2 (8.6 cal/cm^2) protection. 7% lighter than regular lightweight due to segmented FR reflective tape
- Parvotex™ FR inherent fabric, with a blend of 32% cotton offers breathability and protection
- Strong reinforced ripstop fabric
- Lightweight FR segmented reflective tape tested to AS/NZS 1906.4:2010, ensures superior comfort
- Anti-static fabric dissipates electrostatic charge as per EN1149-3

WEIGHT: 197GSM

CODE	FABRIC	SIZES
BW1595T1	Parvotex™ FR / 32% Cotton / Antistatic Ripstop	S - 6XL



MENS ULTRA LIGHTWEIGHT PPE 2 SHIRT WITH SEGMENTED FR REFLECTIVE TAPE

FEATURES AND BENEFITS

- 197gsm regular weight garment providing PPE 2 (8.6 cal/cm^2) protection. 7% lighter than regular lightweight due to segmented FR reflective tape
- Parvotex™ FR inherent fabric, with a blend of 32% cotton offers breathability and protection
- Strong reinforced ripstop fabric
- Lightweight FR segmented reflective tape tested to AS/NZS 1906.4:2010, ensures superior comfort
- Anti-static fabric dissipates electrostatic charge as per EN1149-3

WEIGHT: 197GSM

CODE	FABRIC	SIZES
BW2595T1	Parvotex™ FR / 32% Cotton / Antistatic Ripstop	S - 6XL



MENS LIGHTWEIGHT PPE 1 FR SHIRT WITH LOXY REFLECTIVE TAPE

FEATURES AND BENEFITS

- 155gsm lightweight shirt providing PPE 1 (5.9 cal/cm^2) protection
- Parvotex™ FR inherent fabric, with a blend of 32% cotton offers breathability and protection
- Strong reinforced ripstop fabric
- LOXY™ FR 9801 silver reflective tape tested to standard AS/NZS 1906.4:2010
- Anti-static fabric dissipates electrostatic charge as per EN1149-3

WEIGHT: 155GSM

CODE	FABRIC	SIZES
BW2500T1	Parvotex™ FR / 32% Cotton / Antistatic Ripstop	S - 6XL



BOOL Protective Technologies

CLASS D/N
DAY OR NIGHT USE
AS/NZ 4602.1

SUN PROTECTION

PPE 2

LOXY



BSI Certified Product
AS/NZS 1906.4:2010
AS/NZS 4602.1:2011
ASTM F1959/F1959M
NFPA 2112:2023

MENS REGULAR WEIGHT PPE 2 FR SHIRT WITH LOXY REFLECTIVE TAPE

FEATURES AND BENEFITS

- 197gsm regular weight garment providing PPE 2 (8.6 cal/cm^2) protection
- Parvotex™ FR inherent fabric, with a blend of 32% cotton offers breathability and protection
- Strong reinforced ripstop fabric
- LOXY™ FR 9801 silver reflective tape tested to standard AS/NZS 1906.4:2010
- Anti-static fabric dissipates electrostatic charge as per EN1149-3

WEIGHT: 197GSM

CODE	FABRIC	SIZES
BW1590T1	Parvotex™ FR / 32% Cotton / Antistatic Ripstop	S - 5XL

BOOL Protective Technologies

CLASS D/N
DAY OR NIGHT USE
AS/NZ 4602.1

SUN PROTECTION

PPE 2

LOXY



BSI Certified Product
AS/NZS 1906.4:2010
AS/NZS 4602.1:2011
ASTM F1959/F1959M
NFPA 2112:2023

MENS REGULAR WEIGHT PPE 2 TWO TONE FR SHIRT WITH LOXY REFLECTIVE TAPE

FEATURES AND BENEFITS

- 197gsm regular weight garment providing PPE 2 (8.6 cal/cm^2) protection
- Parvotex™ FR inherent fabric, with a blend of 32% cotton offers breathability and protection
- Strong reinforced ripstop fabric
- LOXY™ FR 9801 silver reflective tape tested to standard AS/NZS 1906.4:2010
- Anti-static fabric dissipates electrostatic charge as per EN1149-3

WEIGHT: 197GSM

CODE	FABRIC	SIZES
BW2590T1	Parvotex™ FR / 32% Cotton / Antistatic Ripstop	S - 5XL

BOOMERANG

QUANTUM GUARD

CLASS D/N
DAY OR NIGHT USE
LEVEL 1

SUN PROTECTION

PPE 2
PPE 2

LOXY



WOMENS LW FR LS 2TONE HOOP TAPED VENTED SHIRT - PPE 2

FEATURES AND BENEFITS

- 2Tone body and sleeve lower panels
- FR Reflective tape - 50mm
- Horizontal venting (horizontal back venting)
- Underarm mesh vents

WEIGHT: 185-215GSM

CODE	FABRIC	SIZES
CWL91864F	Lenzing FR / Aramid / Antistatic Twill	6 - 22

BOOL Protective Technologies

CLASS D/N
DAY OR NIGHT USE
AS/NZ 4602.1

SUN PROTECTION

PPE 2
PPE 2

BSI Certified Product
AS/NZS 1906.4:2010
AS/NZS 4602.1:2011
ASTM F1959/F1959M
NFPA 2112:2023



ALSO AVAILABLE

WOMENS ULTRA LIGHTWEIGHT PPE 2 FR SHIRT WITH SEGMENTED FR REFLECTIVE TAPE

FEATURES AND BENEFITS

- 197gsm regular weight garment providing PPE 2 (8.6 cal/cm^2) protection
- Parvotex™ FR inherent fabric, with a blend of 32% cotton offers breathability and protection
- Strong reinforced ripstop fabric
- Lightweight FR segmented reflective tape tested to AS/NZS 1906.4:2010, ensures superior comfort
- Anti-static fabric dissipates electrostatic charge as per EN1149-3

WEIGHT: 197GSM

CODE	FABRIC	SIZES
BWW1595T1	Parvotex™ FR / 32% Cotton / Antistatic Ripstop	6 - 22
BWW2595T1	Parvotex™ FR / 32% Cotton / Antistatic Ripstop	6 - 22

BOOL Protective Technologies

CLASS D/N
DAY OR NIGHT USE
AS/NZ 4602.1

SUN PROTECTION

PPE 2
PPE 2

BSI Certified Product
AS/NZS 1906.4:2010
AS/NZS 4602.1:2011
ASTM F1959/F1959M
NFPA 2112:2023



ALSO AVAILABLE

WOMENS LIGHTWEIGHT PPE 2 FR SHIRT WITH LOXY REFLECTIVE TAPE

FEATURES AND BENEFITS

- 197gsm regular weight garment providing PPE 2 (8.6 cal/cm^2) protection. 7% lighter than regular lightweight due to segmented FR reflective tape
- Parvotex™ FR inherent fabric, with a blend of 32% cotton offers breathability and protection
- Strong reinforced ripstop fabric
- LOXY™ FR 9801 silver reflective tape tested to standard AS/NZS 1906.4:2010
- Anti-static fabric dissipates electrostatic charge as per EN1149-3

WEIGHT: 197GSM

CODE	FABRIC	SIZES
BWW1590T1	Parvotex™ FR / 32% Cotton / Antistatic Ripstop	6 - 22
BWW2590T1	Parvotex™ FR / 32% Cotton / Antistatic Ripstop	8 - 22



BOOMERANG



MENS PPE 2 FR TAPED UTILITY PANTS

FEATURES AND BENEFITS

- Single hoop Reflective Tape - 50mm at legs
- Side elastic panel at waistband
- YKK zipper
- Knee darts

WEIGHT: 255GSM

CODE	FABRIC	R SIZES	S SIZES
CW008330F	Lenzing FR / Aramid / Antistatic Twill	82R - 107R	87S - 132S

BOOMERANG



MENS PPE 2 FR TAPED CARGO PANTS

FEATURES AND BENEFITS

- Single hoop Reflective Tape - 50mm at legs
- Twin cargo patch angled pockets and flaps and touch tape closure
- Left hand side cargo pocket with additional tool entry at touch tape closure flap
- Knee darts

WEIGHT: 255GSM

CODE	FABRIC	R SIZES	S SIZES	L SIZES
CW008331F	Lenzing FR / Aramid / Antistatic Twill	82R - 107R	87S - 132S	79L - 89L

BOOMERANG



MENS PPE 2 FR TREATED JEANS

FEATURES AND BENEFITS

- Straight waistband with button closure
- Traditional straight leg cut
- YKK zipper
- Knee darts

WEIGHT: 340GSM

CODE	FABRIC	SIZES
CW008333F	100% Cotton Denim FR Treated	77R - 112R

BOOL Protective Technologies



MENS REGULAR WEIGHT PPE 2 FR PANTS WITH LOXY REFLECTIVE TAPE

FEATURES AND BENEFITS

- 197gsm regular weight garment providing PPE 2 (8.6 cal/cm^2) protection
- Parvotex™ FR inherent fabric, with a blend of 32% cotton offers breathability and protection
- Strong reinforced ripstop fabric
- LOXY™ FR 9801 silver reflective tape tested to standard AS/NZS 1906.4:2010
- Anti-static fabric dissipates electrostatic charge as per EN1149-3

WEIGHT: 197GSM

CODE	FABRIC	R SIZES	S SIZES	L SIZES
BW1550T	Parvotex™ FR / 32% Cotton / Antistatic Ripstop	82R - 117R	82S - 132S	84L - 94L

BOOL Protective Technologies

SUN PROTECTION

PPE 2

LOXY



MENS REGULAR WEIGHT PPE 2 FR CARGO PANTS WITH LOXY REFLECTIVE TAPE

FEATURES AND BENEFITS

- 197gsm regular weight garment providing PPE 2 (8.6 cal/cm^2) protection
- Parvotex™ FR inherent fabric, with a blend of 32% cotton offers breathability and protection
- Strong reinforced ripstop fabric
- LOXY™ FR 9801 silver reflective tape tested to standard AS/NZS 1906.4:2010
- Anti-static fabric dissipates electrostatic charge as per EN1149-3

WEIGHT: 197GSM

CODE	FABRIC	R SIZES	S SIZES	L SIZES
BW1560T	Parvotex™ FR / 32% Cotton / Antistatic Ripstop	72R - 117R	82S - 132S	84L - 94L

BOOL Protective Technologies

SUN PROTECTION

PPE 2

LOXY



WOMENS REGULAR WEIGHT PPE 2 FR CARGO PANTS WITH LOXY REFLECTIVE TAPE

FEATURES AND BENEFITS

- 197gsm regular weight garment providing PPE 2 (8.6 cal/cm^2) protection
- Parvotex™ FR inherent fabric, with a blend of 32% cotton offers breathability and protection
- Strong reinforced ripstop fabric
- LOXY™ FR 9801 silver reflective tape tested to standard AS/NZS 1906.4:2010
- Anti-static fabric dissipates electrostatic charge as per EN1149-3

WEIGHT: 197GSM

CODE	FABRIC	SIZES
BWW1560T	Parvotex™ FR / 32% Cotton / Antistatic Ripstop	6 - 22




HIGH VOLTAGE
KEEP OFF

BOOMERANG

QUANTUM GUARD

CLASS D/N-E NIGHT USE ENSEMBLE LEVEL 2

SUN PROTECTION

PPE 2

LOXY



MENS LIGHTWEIGHT PPE 2 FR TAPED VENTED COVERALLS

FEATURES AND BENEFITS

- Double hoop tape configuration at body and sleeves
- FR reflective tape - 50mm
- Horizontal venting (horizontal back venting)
- Underarm mesh vents

WEIGHT: 215GSM

CODE	FABRIC	SIZES
CW091811F	Lenzing FR / Aramid / Antistatic Twill	82R - 112R

BOOL Protective Technologies

CLASS D/N DAY OR NIGHT USE AS/NZ 4602.1

SUN PROTECTION

PPE 2

PPE 2

LOXY



MENS REGULAR WEIGHT PPE 2 FR COVERALL WITH LOXY REFLECTIVE TAPE

FEATURES AND BENEFITS

- 197gsm regular weight garment providing PPE 2 (8.6 cal/cm²) protection
- Parvotex™ FR inherent fabric, with a blend of 32% cotton offers breathability and protection
- Strong reinforced ripstop fabric
- LOXY™ FR 9801 silver reflective tape tested to standard AS/NZS 1906.4:2010
- Anti-static fabric dissipates electrostatic charge as per EN1149-3

WEIGHT: 197GSM

CODE	FABRIC	R SIZES	S SIZES
BW1570T1	Parvotex™ FR / 32% Cotton / Antistatic Ripstop	77R - 117R	92S - 132S
BW2570T1	Parvotex™ FR / 32% Cotton / Antistatic Ripstop	77R - 117R	87S - 132S

BOOMERANG

QUANTUM GUARD

CLASS D/N-E NIGHT USE ENSEMBLE LEVEL 2

PPE 2

PPE 2

LOXY



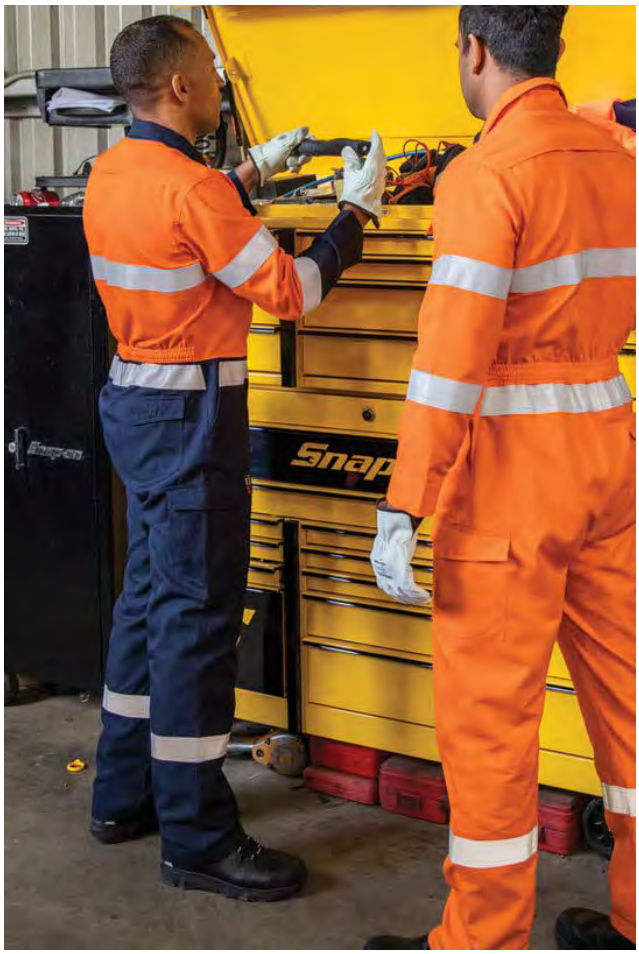
MENS LIGHTWEIGHT PPE 2 FR TAPED VENTED COVERALLS

FEATURES AND BENEFITS

- 2Tone body and sleeve lower panels
- Double hoop tape configuration at body and sleeves
- FR Reflective tape - 50mm
- Horizontal venting (horizontal back venting)
- Underarm mesh vents

WEIGHT: 185GSM - 215GSM

CODE	FABRIC	SIZES
CW918610F	Lenzing FR / Aramid / Antistatic Twill	82R - 112R





PPE 2 SOFTSHELL JACKET WITH SEGMENTED FR REFLECTIVE TAP

FEATURES AND BENEFITS

- 360gsm 3-layer softshell combining poly shell fabric and breathable FR PU
- Inherent FR fleece seams
- Segmented FR heat applied reflective tape
- Anti-static fabric dissipates electrostatic charge as per EN1149-3

WEIGHT: 360GSM

CODE	FABRIC	SIZES
BW2300T8	FR Softshell	S - 5XL



FR PPE 3 HI VIS PARKA WITH ZIP-OFF SLEEVES AND SEGMENTED FR TAPE

FEATURES AND BENEFITS

- 110D 3-layer parka with fire resistant lining - Polyester, Polyurethane, Modacrylic, Cotton Blend
- Waterproof garment and breathable fabric with sealed seams for extra insulation from water
- FR fleece and flame retardant thread used in seams
- Segmented FR heat applied reflective tape
- Anti-static fabric dissipates electrostatic charge as per EN1149-3

WEIGHT: 110D

CODE	FABRIC	SIZES
BW1340T4	FR 3 Layer	S - 5XL
BW2340T4	FR 3 Layer	S - 5XL



FR SOFTSHELL JACKET WITH SEGMENTED FR TAPE

FEATURES AND BENEFITS

- 360gsm 3-layer softshell combining poly shell fabric and breathable FR PU
- Inherent FR fleece and flame retardant thread used in seams
- Segmented FR heat applied reflective tape
- Anti-static fabric dissipates electrostatic charge as per EN1149-3

WEIGHT: 360GSM

CODE	FABRIC	SIZES
BW1300T5	FR Softshell	XS - 6XL



PPE 2 WATER REPELLENT FLEECE JUMPER WITH SEGMENTED FR REFLECTIVE TAPE

FEATURES AND BENEFITS

- 280gsm FR fleece yarn with 39% Cotton for superior breathability
- Concealed 1/4 zip front for a sleek appearance and added safety
- Inherent FR fleece and flame retardant thread used in seams
- Segmented FR heat applied reflective tape
- Anti-static fabric dissipates electrostatic charge as per EN1149-3

WEIGHT: 280GSM

CODE	FABRIC	SIZES
BW2350T1	FR Fleece, 39% Cotton	S - 5XL

BOOL Protective Technologies

CLASS D/N
DAY OR NIGHT USE
AS/NZ 4602.1

SUN PROTECTION

PPE 2
PPE 2

BSI Certified Product
AS/NZS 1906.4:2010
AS/NZS 4602.1:2011
ASTM F1959/F1959M



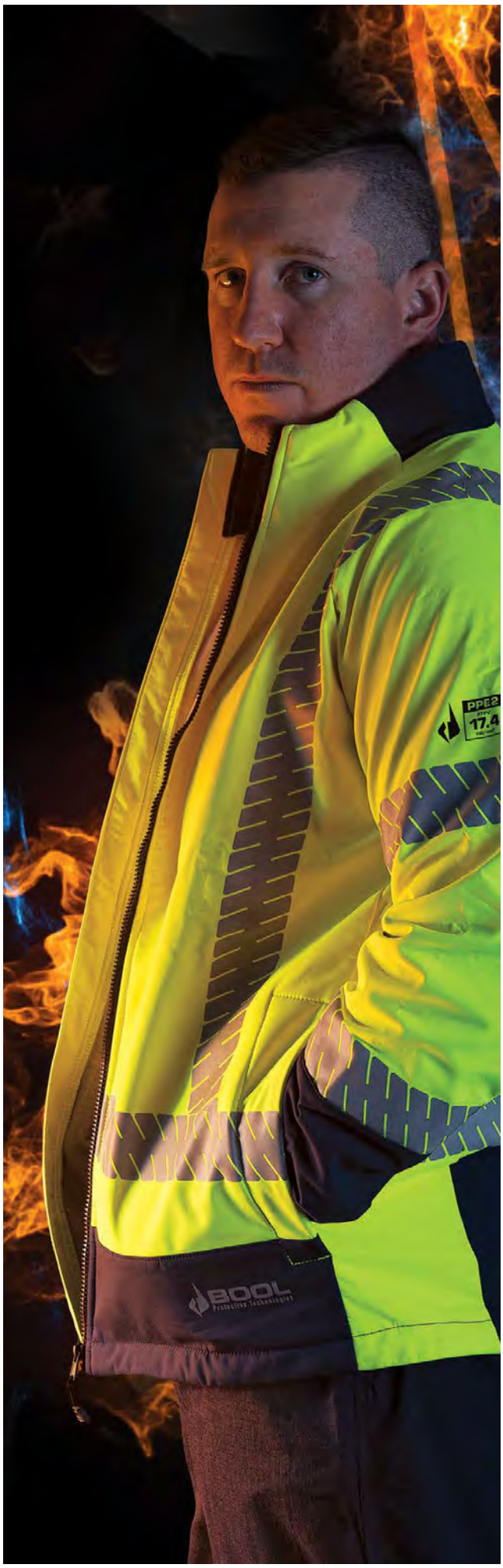
PPE 2 FR WATER REPELLENT FLEECE JUMPER WITH SEGMENTED FR REFLECTIVE TAPE

FEATURES AND BENEFITS

- 280gsm FR fleece yarn with 39% Cotton for superior breathability
- Concealed 1/4 zip front for a sleek appearance and added safety
- Inherent FR fleece and flame retardant thread used in seams
- Segmented FR heat applied reflective tape
- Anti-static fabric dissipates electrostatic charge as per EN1149-3

WEIGHT: 280GSM

CODE	FABRIC	SIZES
BW1350T1	FR Fleece, 39% Cotton	S - 5XL



FASHION BIZ CORPORATE SHIRTS

BIZ COLLECTION





MENS FOCUS SHORT SLEEVE POLO

FEATURES AND BENEFITS

- 80% Polyester, 20% Cotton-backed pique
- Biz Cool™
- Breathable cotton-backed pique
- UPF 50+
- Loose pocket included
- 7XL only available for Black/Black, Navy/Navy

WEIGHT: 185GSM

CODE	FABRIC	SIZES
P313MS	80% Polyester, 20% Cotton-backed Pique	XS - 5XL

BIZ COLLECTION





WOMENS FOCUS SHORT SLEEVE POLO

FEATURES AND BENEFITS

- 80% Polyester, 20% Cotton-backed pique
- Biz Cool™
- Breathable cotton-backed pique
- UPF 50+

WEIGHT: 185GSM

CODE	FABRIC	SIZES
P313LS	80% Polyester, 20% Cotton-backed Pique	6 - 24

BIZ COLLECTION





MENS ECHO SHORT SLEEVE POLO

FEATURES AND BENEFITS

- 100% Recycled Polyester
- Lightweight houndstooth knit
- Biz Cool™
- UPF 15+

WEIGHT: 160GSM

CODE	FABRIC	SIZES
P412MS	100% Recycled Polyester	S - 5XL

BIZ COLLECTION





WOMENS ECHO SHORT SLEEVE POLO

FEATURES AND BENEFITS

- 100% Recycled Polyester
- Lightweight houndstooth knit
- Biz Cool™
- UPF 15+

WEIGHT: 160GSM

CODE	FABRIC	SIZES
P412LS	100% Recycled Polyester	6 - 24

BIZ COLLECTION



MENS ACTION SHORT SLEEVE POLO

FEATURES AND BENEFITS

- 100% Recycled Polyester
- Biz Cool™
- Breathable sports knit
- UPF 50+
- Loose pocket included

WEIGHT: 155GSM

CODE	FABRIC	SIZES
P206MS	100% Recycled Polyester	XS -3XL, 5XL, 7XL

BIZ COLLECTION



WOMENS ACTION SHORT SLEEVE POLO

FEATURES AND BENEFITS

- 100% Recycled Polyester
- Biz Cool™
- Breathable sports knit
- UPF 50+

WEIGHT: 155GSM

CODE	FABRIC	SIZES
P206LS	100% Recycled Polyester	6 - 24

BIZ COLLECTION



MENS ACTION LONG SLEEVE POLO

FEATURES AND BENEFITS

- 100% Recycled Polyester
- Biz Cool™
- Breathable sports knit
- UPF 50+
- Loose pocket included

WEIGHT: 155GSM

CODE	FABRIC	SIZES
P206ML	100% Recycled Polyester	XS - 3XL, 5XL, 7XL

BIZ COLLECTION



WOMENS ACTION LONG SLEEVE POLO

FEATURES AND BENEFITS

- 100% Recycled Polyester
- Biz Cool™
- Breathable sports knit
- UPF 50+

WEIGHT: 155GSM

CODE	FABRIC	SIZES
P206LL	100% Recycled Polyester	6 - 24

FASHION BIZ CORPORATE SHIRTS

BIZ COLLECTION





MENS CITY SHORT SLEEVE POLO

FEATURES AND BENEFITS

- 95% Cotton, 5% Elastane pique knit, UPF Rating - Colours 50+, White 30+
- Elevated classic design with a unique waffle knit collar and cuff
- Longer length with side splits
- Loose pocket included

WEIGHT: 190GSM

CODE	FABRIC	SIZES
P105MS	95% Cotton, 5% Elastane	S - 5XL

BIZ COLLECTION





WOMENS CITY SHORT SLEEVE POLO

FEATURES AND BENEFITS

- 95% Cotton, 5% Elastane pique knit, UPF Rating - Colours 50+, White 30+
- Elevated classic design with a unique waffle knit collar and cuff
- Longer length with side splits

WEIGHT: 190GSM

CODE	FABRIC	SIZES
P105LS	95% Cotton, 5% Elastane	6 - 24

BIZ COLLECTION





MENS CAMDEN LONG SLEEVE SHIRT

FEATURES AND BENEFITS

- 97% Cotton, 3% Elastant; Stretch Oxford weave
- Modern button-down collar and adjustable cuff
- No chest pocket, a loose pocket piece is included

CODE	FABRIC	SIZES
S016ML	97% Cotton, 3% Elastane	XS - 5XL

BIZ COLLECTION





WOMENS CAMDEN LONG SLEEVE SHIRT

FEATURES AND BENEFITS

- 97% Cotton, 3% Elastane
- Stretch oxford weave

CODE	FABRIC	SIZES
S016LL	97% Cotton, 3% Elastane	6 - 26

BIZ COLLECTION



MENS MEMPHIS LONG SLEEVE SHIRT

FEATURES AND BENEFITS

- 60% Cotton, 40% Polyester, pre-shrunk plain Oxford weave
- Modern button-down collar
- Back box pleat
- Adjustable cuff
- Includes loose pocket

CODE	FABRIC	SIZES
S127ML	60% Cotton, 40% Polyester	XS - 5XL

BIZ COLLECTION



WOMENS MEMPHIS LONG SLEEVE SHIRT

FEATURES AND BENEFITS

- 60% Cotton, 40% Polyester, pre-shrunk plain Oxford weave
- Semi-fitted silhouette with shirt tail hem and back box pleat
- Can be worn tucked in or out

CODE	FABRIC	SIZES
S127LL	60% Cotton, 40% Polyester	6 - 26

BIZCORPORATES



WOMENS ARIA FLUTED SLEEVE BLOUSE

FEATURES AND BENEFITS

- 100% Polyester
- Semi-fitted style
- No back neck opening - easy slip on style
- Soft fluted sleeves with seam designed to sit above elbow
- Straight front and back hem

CODE	FABRIC	SIZES
RB966LS	100% Polyester	4 - 26

BIZCORPORATES



MENS NOAH LONG SLEEVE SHIRT

FEATURES AND BENEFITS

- 100% Cotton yarn dyed check
- Easy care finish
- Breathable and lightweight making it perfect for warmer climates
- Classic fit - straight through the chest and body
- Curved hemline
- Loose pocket included

CODE	FABRIC	SIZES
RS070ML	100% Cotton	XS - 5XL

FASHION BIZ CORPORATE PANTS

BIZ COLLECTION



WOMENS EVE PERFECT PANTS

FEATURES AND BENEFITS

- 4-Way stretch 62% Polyester, 34% Viscose, 4% Elastane
- Stretch fabric for maximum comfort and minimal creasing
- Midrise with a flattering wider waistband
- Low profile front and back pockets
- Classic straight leg shape

CODE	FABRIC	SIZES
BS508L	62% Polyester, 34% Viscose, 4% Elastane	10 - 26

BIZ COLLECTION



WOMENS STELLA PERFECT PANTS

FEATURES AND BENEFITS

- 4-Way stretch 62% Polyester, 34% Viscose, 4% Elastane
- Stretch fabric for maximum comfort and minimal creasing
- Midrise with a flattering wider waistband
- Low profile front and back pockets
- Classic straight leg shape

CODE	FABRIC	SIZES
BS506L	62% Polyester, 34% Viscose, 4% Elastane	8 - 20

BIZ COLLECTION



WOMENS KATE PERFECT PANTS

FEATURES AND BENEFITS

- 4-Way stretch 62% Polyester, 34% Viscose, 4% Elastane
- Stretch fabric for maximum comfort and minimal creasing
- Fits to cover all shapes

CODE	FABRIC	SIZES
BS507L	62% Polyester, 34% Viscose, 4% Elastane	4 - 16

BIZ COLLECTION



MENS CLASSIC FLAT PANTS

FEATURES AND BENEFITS

- 65% Polyester, 35% Viscose
- Easy care
- Mechanical stretch

CODE	FABRIC	SIZES
BS29210	65% Polyester, 35% Viscose	72R - 127R

BIZ COLLECTION



CLASSIC WOMENS FLAT FRONT PANTS

FEATURES AND BENEFITS

- 65% Polyester, 35% Viscose
- Easy care
- Mechanical stretch

CODE	FABRIC	SIZES
BS29320	65% Polyester, 35% Viscose	6 - 26

BIZ COLLECTION



MENS CLASSIC PLEAT PANTS

FEATURES AND BENEFITS

- 65% Polyester, 35% Viscose
- Easy care
- Mechanical stretch

CODE	FABRIC	SIZES
BS29110	65% Polyester, 35% Viscose	72R - 127R



BIZ COLLECTION



MENS SOFTSHELL JACKET

FEATURES AND BENEFITS

- 3-Layer BIZ TECH™ softshell
- Outer: 100% Bonded Polyester, Lining: Polyester knit bonded with micro-fleece

CODE	FABRIC	SIZES
J3880	100% Bonded Polyester	S - 3XL, 5XL

BIZ COLLECTION



WOMENS SOFTSHELL JACKET

FEATURES AND BENEFITS

- 3-Layer BIZ TECH™ softshell
- Outer: 100% Bonded Polyester, Lining: Polyester knit bonded with micro-fleece

CODE	FABRIC	SIZES
J3825	100% Bonded Polyester	S - 2XL

BIZ COLLECTION



MENS SOFTSHELL VEST

FEATURES AND BENEFITS

- 3-Layer BIZ TECH™ softshell
- Outer: 100% Bonded Polyester, Lining: Polyester knit bonded with micro-fleece

CODE	FABRIC	SIZES
J3881	100% Bonded Polyester	S - 3XL, 5XL

BIZ COLLECTION



WOMENS SOFTSHELL VEST

FEATURES AND BENEFITS

- 3-Layer BIZ TECH™ softshell
- Outer: 100% Bonded Polyester, Lining: Polyester knit bonded with micro-fleece

CODE	FABRIC	SIZES
J29123	100% Bonded Polyester	S - 2XL





PODIUM SHORT SLEEVE PIPING POLO

FEATURES AND BENEFITS

- 100% Polyester, 160gsm pique knit fabric
- Classic fit, straight hem with side splits
- Podium Cool, moisture wicking fabric designed to help keep you cool and dry
- Complies with standard AS 4399:2020 for UPF protection
- Easy care fabric, quick drying

WEIGHT: 160GSM

CODE	FABRIC	SIZES
NN0007PIP	100% Polyester	S - 5XL



COLOURS OF COTTON LONG SLEEVE PIQUE POLO

FEATURES AND BENEFITS

- 100% Cotton for comfort, 210gsm pique knit fabric
- Classic fit, knitted collar with tri-colour tape on inside neck seam and side split
- Complies with standard AS 4399:2020 for UPF protection
- Elastic rib sleeve cuff

WEIGHT: 210GSM

CODE	FABRIC	SIZES
JB000S2ML	100% Cotton	XS - XL



COLOURS OF COTTON LADIES SHORT SLEEVE PIQUE POLO

FEATURES AND BENEFITS

- 100% Cotton for comfort, 210gsm pique knit fabric
- Classic fit, knitted collar with herringbone tape inside back neck and side split
- Complies with standard AS 4399:2020 for UPF protection

WEIGHT: 210GSM

CODE	FABRIC	SIZES
JB000S2MP	100% Cotton	S - 5XL



JB'S TEE

FEATURES AND BENEFITS

- Heavy 190gsm ring spun jersey knit fabric
- Classic fit, JB's shape staying elastane rib crew neck
- Twin needle double stitched seams
- Complies with standard AS 4399:2020 for UPF protection
- Black available to size 12/13XL

WEIGHT: 190GSM

CODE	FABRIC	SIZES
NN00001HT	100% Cotton	S - 4XL

JB's wear

OTHER COLOURS AVAILABLE



JB'S FLEECY HOODIE

FEATURES AND BENEFITS

- Classic fit, 80% Cotton, 20% Polyester (solid colours)
- Cotton rich 310gsm fleece
- Fully lined hood, front kangaroo pocket
- All-around warmth and comfort
- Black available to size 12/13XL

WEIGHT: 310GSM

CODE	FABRIC	SIZES
NN3FH0000	80% Cotton, 20% Polyester	S - 6XL

JB's wear

OTHER COLOURS AVAILABLE



JB'S CHUNKY 1/2 ZIP JUMPER

FEATURES AND BENEFITS

- 40% Wool, 40% Acrylic, 20% Polyester
- Chunky style with 1/2 zip
- 12 gauge waffle knit
- Antique brass 1/2 zip opening
- Rib cuff and basque

CODE	FABRIC	SIZES
6JCZ	40% Wool, 40% Acrylic, 20% Polyester	S - 5XL



MACK



BAMBOO PERFORMANCE SOCK

FEATURES AND BENEFITS

- RadiatorTECH™ to improve breathability in high sweat zones
- ArticulatedFIT™ to allow natural movement of the foot
- Bamboo is naturally anti-bacterial to help combat odour
- Padded zone to disperse boot shaft pressure
- Compression zones reduce sock movement
- Reinforced and padded toe and heel

CODE	FABRIC	SIZES
MKPERSOCK	78% Bamboo, 20% Nylon, 2% Elastane	6-10, 11-14

MACK



3 PACK COTTON / ELASTANE CREW SOCK

FEATURES AND BENEFITS

- Value pack - 3 pairs per pack!
- Exceptionally comfortable and breathable for all day wear
- Cushioned wicking sole
- Reinforced toes and cuff

CODE	FABRIC	SIZES
MKCOTSOCK	98% Cotton, 2% Elastane	6-10, 11-14

BOOMERANG



MENS BAMBOO SOCKS

FEATURES AND BENEFITS

- RadiatorTECH™ to improve breathability in high sweat zones
- ArticulatedFIT™ to allow natural movement of the foot
- Bamboo is naturally anti-bacterial to help combat odour
- Padded zone to disperse boot shaft pressure
- Compression zones reduce sock movement
- Reinforced and padded toe and heel

CODE	FABRIC	SIZES
CWBAMSOCK	78% Bamboo, 20% Nylon, 2% Elastane	6-10, 11-14

WS Workwear





BAMBOO SOCKS

FEATURES AND BENEFITS

- Natural breathable fibre
- Blend of nylon and elastane for hard-wearing and flexibility
- Naturally anti-bacterial to help combat odour
- Soft and comfortable for all-day wear

CODE	FABRIC	SIZES
WS00A0115	78% Bamboo, 20% Nylon, 2% Elastane	6-10, 11-14

WS Workwear



35MM LEATHER BELT WITH SILVER BUCKLE

FEATURES AND BENEFITS

- 5mm wide leather “workwear” belt with an antique nickle buckle and keeper set

CODE	FABRIC	SIZES
WS00ABK11	Leather	30 - 48

WS Workwear



KNEE PAD FOR ‘TRADIESMATE’ TROUSER

FEATURES AND BENEFITS

- Cushioned knee pad for comfort
- Contoured design for comfortable fit

CODE	FABRIC	SIZES
KNEEPADS-BB	Neoprene	OSFA

WS Workwear



COTTON OVERBOOTS COVER

FEATURES AND BENEFITS

- Elasticised for comfort
- Keeps dirt, grass and other materials out of your boots
- Sold in pairs

CODE	FABRIC	SIZES
WSAOB0001	100% Cotton Drill	OSFA



WORKWEAR SIZE GUIDE

MEN'S SHORTS, TROUSERS, COVERALL & OVERALLS											
REGULAR SIZES	72R	77R	82R	87R	92R	97R	102R	107R	112R	117R	
IMPERIAL SIZE	2	3	4	5	6	7	8	9	10	11	
TO FIT CHEST (cm)	82	87	92	97	102	107	112	117	122	127	
TO FIT WAIST (cm)	72	77	82	87	92	97	102	107	112	117	
TO FIT WAIST (inches)	28	30	32	34	36	38	40	42	44	46	
TO FIT INLEG (cm)	75	77	77	79	81	83	84	87	87	87	
STOUT SIZES	82S	87S	92S	97S	102S	107S	112S	117S	122S	127S	132S
IMPERIAL SIZE	2 1/4	3 1/4	4 1/4	5 1/4	6 1/4	7 1/4	8 1/4	9 1/4	10 1/4	11 1/4	12 1/4
TO FIT CHEST (cm)	92	97	102	107	112	117	122	127	132	137	142
TO FIT WAIST (cm)	82	87	92	97	102	107	112	117	122	127	132
TO FIT WAIST (inches)	32	34	36	38	40	42	44	46	48	50	52
TO FIT INLEG (cm)	70	70	73	73	73	75	75	75	75	75	75
LONG SIZES		79L	84L	89L	94L						
IMPERIAL SIZE		4 1/2	5 1/2	6 1/2	7 1/2						
TO FIT CHEST (cm)		92	97	102	107						
TO FIT WAIST (cm)		79	84	89	94						
TO FIT WAIST (inches)		31	33	35	37						
TO FIT INLEG (cm)		84	84	86	88						
MEN'S ELASTIC WAIST PANTS (cm)	67/2XS	72/XS	77/S	82/M	87/L	92/XL	97/2XL	102/3XL	107/4XL	112/5XL	

SHIRTS, POLOS, T-SHIRTS, JUMPERS & JACKETS											
SIZES	2XS	XS	S	M	L	XL	2XL	3XL	4XL	5XL	6XL
WOMEN'S CONVERSION	6	8	10	12	14	16	18	20	22	24	
TO FIT NECK (cm)	33/34	35/36	37/38	39/40	41/42	43/44	45/46	48/49	50/51	52/53	55/56
TO FIT CHEST (cm)	73-79	80-86	87-93	94-100	101-107	108-114	115-120	120-125	125-130	130-135	135-140

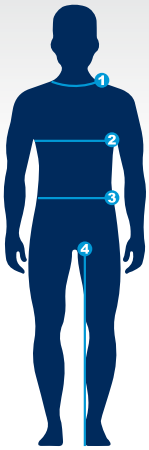
WOMEN'S SHIRT & TROUSERS											
SIZE	6	8	10	12	14	16	18	20	22	24	
TO FIT BUST (cm)	82	87	92	97	102	107	112	117	122	127	
TO FIT NATURAL WAIST (cm)	60	65	70	75	80	85	90	95	100	105	
TO FIT LOWER WAIST (cm)	67	72	77	82	87	92	97	102	107	112	
TO FIT HIPS (cm)	87	93	98	103	108	113	118	123	128	133	
TO FIT INLEG (cm)	74	76	78	80	80	82	82	84	84	84	
CONVERSION T MEN'S PANTS (cm)	67/2XS	72/XS	77/S	82/M	87/L	92/XL	97/2XL	102/3XL	107/4XL	112/5XL	
CONVERSION TO MEN'S SHIRTS	2XS	XS	S	M	L	XL	2XL	3XL	4XL	5XL	

SOCK SIZE	TO FIT FOOT LENGTH (cm)	TO FIT SHOE	
		AUS/UK	USA
6 - 10	22 - 27	6 -10	7 - 11
11 - 14	27 - 32	11 - 14	12 - 15



HEADWEAR - CAPS/BEANIE	
ONE SIZE FITS ALL	
To fit head circumference	
55 - 62cm	21 3/4 - 24 1/4 inch



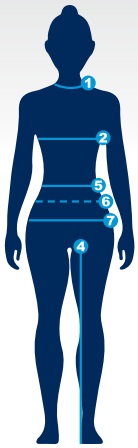


1 NECK:
Measure around your neck where the collar sits, allowing two fingers behind tape measure for comfort.

2 CHEST/BUST:
Measure straight and around the fullest part of your chest or bust. Ensuring tape is kept level and straight across the back.

3 WAIST:
Measure around natural waist line. This is where your pants sit and measure over under garments and not over pant waistband. Keep tape level yet not too tight against skin.

4 INLEG:
Measure inside leg from the crotch seam to the heel of the shoe.



FOR A COMFORTABLE FIT
It is important to measure correctly.

WHEN MEASURING
Make sure the tape measure is level and not tight.

5 NATURAL WAIST:
At belly button.

6 LOWER WAIST:
4-5cm below belly button.

7 HIP:
Measure loosely around the fullest part of the hips keeping the tape level at the back and measure over undergarments.

SPECIAL NOTES

FOR COVERALLS
Choose one size up from the pants size you wear. Coveralls & Overalls are meant to be worn over other clothing.

FOR TROUSERS
Use only waist and inside leg measurements to make your selection.

FOR SHIRT CHEST
Please note this is "TO FIT" chest measurement - shirts chest measurements are bigger for comfort and movement.

FOR JACKETS
Use chest measurement only. Jackets are normally worn over clothing and have been designed to be slightly bigger than a shirt.

THIS GUIDE FOLLOWS THE AUSTRALIAN **BODY SIZING MEASUREMENTS** RECOMMENDATION.
THESE ARE NOT GARMENT MEASUREMENTS (WITH THE EXCEPTION TO FIT WAIST FOR SHORT/PANTS)



MEN'S AND LADIES FOOTWEAR SIZING CHART

UK/AUS SIZE	2	3	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	12	13	14	15
EURO SIZE	36	37	38	38.5	39	39.5	40	40.5	41	41.5	42	42.5	43	43.5	44	44.5	45	46	47	48	49
MENS USA SIZE	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	13	14	15	16
LADIES USA SIZE			6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12						

All footwear in this catalogue is based on a UK size unless otherwise specified. Ladies sizes are two sizes larger than UK sizes.



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FOOTWEAR

3

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SELECTING THE RIGHT FOOTWEAR FOR THE JOB AND AN INDIVIDUAL'S FOOT SHAPE IS ESSENTIAL

in maintaining a productive workforce. Bunzl Safety & Lifting stocks a comprehensive range of safety footwear to cover the breadth of hazards that occur at work, in a variety of different fitting profiles.

CHOOSING THE CORRECT SAFETY FOOTWEAR

SLIPS

SAFETY SOLUTION

- **Uneven surfaces:** Choose a sole such as the Mack ADAPT™ sole unit - which is designed to maximise adaption to uneven terrain to maintain traction and reduce injury risks.
- **Smooth surfaces:** Mack's Traction Control range is designed for maximum grip on smooth surfaces with fluid based slip hazards.

TRIPS AND FALLS

SAFETY SOLUTION

- Select lightweight footwear to reduce fatigue of the leg muscles that lift the toes.
- A low profile sole such as Mack's LOWcatchsole improves swing phase ground clearance at the toe to reduce the risk of tripping.
- A bevelled heel such as the Mack asymBEVEL™ matches the natural heel strike position during walking, minimising fatigue to leg muscles that lift the toes.
- The Mack ADAPT™ range also assists in foot adaption to uneven terrain.

SPRAINS

SAFETY SOLUTION

- Sprains are a common workplace injury so ensure selection of safety footwear that provides good support around the ankle. Mack's articulatedFIT™ performace system provides targeted support and flexibility to improve adaption to uneven terrain.
- The Mack ADAPT™ range also assists with foot adaption to uneven terrain.

COMBUSTIBLE MATERIALS

SAFETY SOLUTION

- Anti-static certified footwear minimises static electricity build-up for safety in volatile environments.
- Metal-free footwear can reduce the risk of spark ignition.

SHARP OBJECTS UNDERFOOT

SAFETY SOLUTION

- Penetration resistant styles feature a midsole layer that can resist the penetration of a nail applied at 1,100N of compression.
- Penetration resistant styles are ideal for construction sites and environments with sharp objects on the ground.

ELECTRICAL HAZARDS

SAFETY SOLUTION

- An electrical hazard sole reduces the flow of electric current to protect the wearer from potential electrocution. Important note: In accordance with ASTM F2413-11 footwear protection should be considered a secondary source of protection. Electrical hazard protection can deteriorate quickly with wear and in the wet.

HOT CONTACT

SAFETY SOLUTION

- Heat resistant nitrile rubber outsole provides protection in high heat environments. Ideal for workers in road construction and other occupations that expose individuals to hot material.

FALLING OBJECTS

SAFETY SOLUTION

- A common hazard in most workplaces. Metatarsal guards protect the arch of the foot from falling objects with an impact of 100J. This is roughly equivalent to 20kg being dropped from 0.5m. Mack styles use an ultra-high impact absorbing Poron® XRD® foam that provides protection and comfort. Metatarsal guards styles are ideal for those in mining, construction, machinery maintenance, pump crews and rail.

SIDE IMPACT

SAFETY SOLUTION

- To guard against side impact, choose safety footwear with certified ankle guard. Mack ankleGUARD is an ultra-high impact absorbing Poron® XRD® foam that protects the ankle bones from side strike. ankleGUARD styles are ideal for workers in construction, maintenance and mining.

WATER EXPOSURE

SAFETY SOLUTION

- Choose styles lined with a one-way breathable waterproof membrane, providing additional protection to water resistant leather.

Content courtesy of MACK



Octane Zip 2.0
Being completely metal free and electrical hazard **certified, the TITAN II is ideal for electricians and other workers exposed to electric currents.**

THE FOUR STEPS TO CORRECTLY FITTING SAFETY FOOTWEAR

HELP REDUCE WORKPLACE FOOT COMPLAINTS...

In a study of 321 Australian workers that are required to wear safety footwear, 91% of the workers reported a foot issue with 72% of the issues being caused by their safety footwear[1]. Correctly fitting safety footwear can help reduce the majority of the foot complaints in workers.

However the process of fitting safety footwear presents a number of unique challenges due to the rigidity of the toecaps. The four steps to ensuring correctly fitted safety footwear are outlined below.

[1]MARR, S. J. and QUINE, S. 1993. Shoe concerns and foot problems of wearers of safety footwear. Occupational Medicine-Oxford, 43, 73-77.

HOW TO FIT SAFETY FOOTWEAR

1 Try on footwear at the end of the day while wearing your work socks
2 Remove the insole from footwear
3 Stand on the insole
4 Your longest toe should be 12-15mm from the end of the insole
5 Return the insole to footwear. Ensure that there are no touch points around the toes.

1 LENGTH CHECK

TOO SMALL



ACTION
<8mm from the end - go up a full size.

TOO LONG

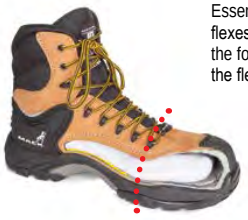


ACTION
>20mm from the end - go down a full size.

CORRECT FIT



2 FLEXPOINT



Essential to ensure that the boot flexes with the foot. The ball of the foot should be positioned over the flex grooves.



Bend the boot at the toes and check that the boot flexes at the ball of the foot.

ACTION
Adjust by a full size up or down as required.

3 WIDTH



CORRECT FIT

The foot should sit entirely on the midsole.

ACTION
If the boots are too tight but the foot is on the midsole a half size larger is required.



TOO NARROW

ACTION
If the outside of the foot is hanging over the midsole a different style of boot is required.

4 DEPTH



There should not be any tension on the top of the foot.

ACTION
Go up half a size.

TOO SHALLOW



ACTION
A different style is required.

TOO DEEP



The facing gap of the laces should be approximately 30mm.

CORRECT FIT

Content courtesy of MACK




MACK

ZIP SIDED BOOTS



OCTANE ZIP 2.0 - NITRILE

FEATURES AND BENEFITS

- Tech-Lite Comfort Build: Ergonomic memoryfoam insole
- Premium full leather upper with advanced water resistant treatment
- Mid sole penetration resistance and ADAPT™ sole for work on rough terrain
- Encased zipper protection and 7 eyelet lace support
- Electrical Hazard, 300°C heat resistant sole
- Composite lightweight and metal free toecap

STANDARDS
AS/NZS 2210.3:2019 (CLASS 1 SB SR HRO WPA PS FO SC E)
EN ISO 20345:2021+A1 2024 (CLASS 1 SB SR HRO WPA PS FO SC E)
ASTM F2413 - 18 (M/I/C/EH/PR)

CODE	COLOUR	SIZES	HALF SIZES	UOM
MKOCTAN2ZBBF	Black	4 - 15	6.5 - 10.5	Pair
MKOCTAN2ZHHF	Honey	4 - 15	6.5 - 10.5	Pair
MKOCTAN2ZSNF	Sand	4 - 15	6.5 - 10.5	Pair



OCTANE ZIP - NITRILE

FEATURES AND BENEFITS

- Lightweight design ADAPT™ sole for work on rough terrain
- Composite lightweight and metal free toecap
- Zip closure
- articulatedFIT optimises movement performance
- Insulated for additional electrical contact protection

STANDARDS
AS/NZS 2210.3 (Class I SB HRO SRC)
EN – ISO 20345 (Class I SB HRO SRC)
ASTM F2413 (M/I/75/C/75/EH)

CODE	COLOUR	SIZES	HALF SIZES	UOM
MKOCTANEZBBFxxx	Black	6 - 14	6.5 - 10.5	Pair
MKOCTANEZHHFxxx	Honey	4 - 14	6.5 - 10.5	Pair



FORCE ZIP - TPU

FEATURES AND BENEFITS

- modRIDE mid sole design, based on running shoe technology, for all day comfort.
- Wide steel toecap with scuffcap
- Cushioned PU midsole and insole
- High grade full grain leather upper
- Anti-static and 150°C heat, fuel and oil resistant resistant TPU Sole

STANDARDS
AS/NZS 2210.3 (Class I S1 SRC)
EN - ISO 20345 (S1 SRC)
ASTM F2413 (M/I/75/C/75/SD)

CODE	COLOUR	SIZES	HALF SIZES	UOM
MK0FORCEZBBF	Black	4 - 13	6.5 - 10.5	Pair
MK0FORCEZHHF	Honey	4 - 13	6.5 - 10.5	Pair



SHIFT ZIP - TPU

FEATURES AND BENEFITS

- Low-cut hiker style ankle boot with industrial grade zipper
- modRIDE mid sole design, based on running shoe technology, for all day comfort
- Wide steel toecap with scuffcap
- Cushioned PU midsole and insole
- High grade nubuck leather upper
- Heat resistant TPU outsole to 150°C

STANDARDS
AS/NZS 2210.3 (Class I S1 SRC)
EN - ISO 20345 (S1 SRC)
ASTM F2413 (M/I/75/C/75/SD)

CODE	COLOUR	SIZES	HALF SIZES	UOM
MK0SHIFTZHHF	Honey	4 - 13	7.5 - 10.5	Pair



TERRAPRO ZIP - NITRILE

FEATURES AND BENEFITS

- Lightweight design ADAPT™ sole for work on rough terrain
- Composite lightweight and metal free toecap
- Zip closure
- articulatedFIT optimises movement performance
- Anti-static to protect against ignition hazards

STANDARDS
AS/NZS 2210.3 (Class I S1 HRO SRC)
EN – ISO 20345 (Class I S1 HRO SRC)
ASTM F2413 (M/I/75/C/75/SD)

CODE	COLOUR	SIZES	HALF SIZES	UOM
MKTERRPRZBBF	Black	6 - 15	6.5 - 10.5	Pair
MKTERRPRZHHF	Honey	6 - 15	6.5 - 10.5	Pair



ZIP SIDED BOOTS



55 SERIES ZIP - NITRILE 55-352Z

FEATURES AND BENEFITS

- Water resistant nubuck leather
- Convenient quick release side zipper
- NANOlite® footbed for greater support
- NATUREform® steel toe cap with a wide profile for greater comfort.
- Rubber sole with lightweight shock absorbing PU midsole. Resistant to 300˚C surface contact

STANDARDS
AS 2210.3:2019
EN ISO 20345:2011
ASTM F2413-18

CODE	COLOUR	SIZES	HALF SIZES	UOM
55352Z	Stone	4 - 14	6.5 - 12.5	Pair



55 SERIES ZIP - NITRILE 55-332Z / 55-345Z

FEATURES AND BENEFITS

- Convenient quick release side zipper
- NANOlite® footbed for greater support
- NATUREform® steel toe cap with a wide profile for greater comfort.
- Rubber sole with lightweight shock absorbing PU midsole. Resistant to 300˚C surface contact
- COMFORTcushion® Impact Absorption System with PORON® protects the heel and ball of the foot

STANDARDS
AS/NZS 2210.3:2009
EN ISO 20345:2011
ASTM F2413-11

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN055332ZWHF	Wheat	4 - 16	6.5 - 12.5	Pair
NN055345ZBBF	Black	4 - 16	6.5 - 12.5	Pair



55 SERIES ZIP - NITRILE 55-330Z / 55-350Z

FEATURES AND BENEFITS

- Water resistant nubuck leather
- Snug Fit Heal Contour System
- NANOlite® footbed for greater support
- NATUREform® steel toe cap with a wide profile for greater comfort.
- Rubber sole with lightweight shock absorbing PU midsole. Resistant to 300˚C surface contact.

STANDARDS
AS/NZS 2210.3:2019
EN ISO 20345:2011
ASTM F2413-18

CODE	COLOUR	SIZES	HALF SIZES	UOM
OL055330Z	Wheat	4 - 14	6.5 - 12.5	Pair
OL055350Z	Stone	4 - 14	6.5 - 12.5	Pair



45 SERIES ZIP - TPU 45-632Z

FEATURES AND BENEFITS

- Water resistant nubuck leather
- Lightweight composite toecap with convenient quick release side zipper
- COMFORTcushion® Impact Absorption System with PORON® protects the heel and ball of your foot
- Dual density TPU/PU sole, heat resistant to 130˚C surface contact.
- Electrical Hazard (EH) resistant sole

STANDARDS
AS/NZS 2210.3:2009
EN ISO 20345:2011
ASTM F2413-11

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN045632ZWHF	Wheat	5 - 14	6.5 - 10.5	Pair



45 SERIES - TPU 45-652Z / 45-645Z

FEATURES AND BENEFITS

- Lightweight composite toecap with convenient quick release side zipper
- COMFORTcushion® Impact Absorption System with PORON® protects the heel and ball of your foot
- Full lining and comfort footbed infused with Odorban™ Control Technology
- Dual density TPU/PU sole, heat resistant to 130˚C surface contact.
- Electrical Hazard (EH) resistant sole

STANDARDS
AS 2210.3:2019
EN ISO 20345:2011
ASTM F2413-18

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN045652ZSTF	Stone	5 - 14	6.5 - 10.5	Pair
NN045645ZBBF	Black	5 - 14	6.5 - 10.5	Pair



ARGYLE® ZIP – TPU SCUFF 312652

FEATURES AND BENEFITS

- 150mm lace-up and zip ankle work boot with scuff cap
- 200J safety steel toe cap
- Anti-static TPU outsole, heat resistant to 130°C
- Premium water resistant leather

STANDARDS
AS 2210.3
EN ISO 20345
ASTM F2413

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN0312652BBF	Black	3 - 14	6.5 - 12.5	Pair
NN0312652WHF	Wheat	3 - 14	6.5 - 12.5	Pair
NN0312652SNF	Sand	3 - 14	6.5 - 12.5	Pair



ARGYLE® ZIP – TPU BUMP 332152

FEATURES AND BENEFITS

- 150mm lace-up and zip ankle work boot with bump cap
- 200J safety steel toe cap
- Anti-static TPU outsole, heat resistant to 130°C
- Premium water resistant leather

STANDARDS
AS 2210.3
EN ISO 20345
ASTM F2413

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN0332152BBF	Black	3 - 14	6.5 - 12.5	Pair
NN0332152WHF	Wheat	3 - 14	6.5 - 12.5	Pair



PARKES ZIP - TPU BUMP 312658

FEATURES AND BENEFITS

- 95mm lace-up and zip hiker-style work boot with scuff cap
- 200J safety steel toe cap
- Anti-static TPU outsole, heat resistant to 130°C
- Low-cut scalloped, padded collar for ease of movement
- Premium water resistant leather

STANDARDS
AS 2210.3
EN ISO 20345
ASTM F2413

CODE	COLOUR	SIZES	HALF SIZES	UOM
SB3126580BBF	Black	4 - 14	6.5 - 12.5	Pair
SB3126580WHF	Wheat	4 - 14	6.5 - 12.5	Pair
SB3126580SNF	Sand	4 - 14	6.5 - 12.5	Pair

ZIP SIDED BOOTS



SOUTHERN CROSS ZIP - TPU BUMP 312661

FEATURES AND BENEFITS

- 150mm lace-up and zip ankle work boot with scuff cap
- 200J safety steel toe cap
- Anti-static TPU outsole, heat resistant to 130°C
- Low-cut scalloped, padded collar for ease of movement
- Premium water resistant leather

STANDARDS
AS 2210.3
EN ISO 20345
ASTM F2413

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN0312661BBF	Black	4 - 14	6.5 - 12.5	Pair
NN0312661WHF	Wheat	4 - 14	6.5 - 12.5	Pair
NN0312661SNF	Sand	4 - 14	6.5 - 12.5	Pair



ARGYLE® ZIP – TPU 312152

FEATURES AND BENEFITS

- 150mm lace-up and zip ankle work boot
- 200J safety steel toe cap
- Anti-static TPU outsole, heat resistant to 130°C
- Premium water resistant leather
- Nitrile version available – 322152 in Black and Wheat

STANDARDS
AS 2210.3
EN ISO 20345
ASTM F2413

CODE	COLOUR	SIZES	HALF SIZES	UOM
SB0312152BBF	Wheat	3 - 14	6.5 - 12.5	Pair
SB0312152WHF	Wheat	4 - 14	6.5 - 12.5	Pair
SB0312152SNF	Sand	4 - 14	6.5 - 12.5	Pair



ARGYLE® ZIP – TPU 317532

FEATURES AND BENEFITS

- 150mm lace-up and zip ankle work boot
- 200J safety composite toe cap
- Anti-static TPU outsole, heat resistant to 130°C
- Premium water resistant leather

STANDARDS
AS 2210.3
EN ISO 20345
ASTM F2413

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN0317532BBF	Black	3 - 14	6.5 - 12.5	Pair
NN0317532WHF	Wheat	3 - 14	6.5 - 12.5	Pair



ROTOFLEX ZIP - NITRILE 9060/9061/9063

FEATURES AND BENEFITS

- Water-resistant leather upper safety boot—150mm height
- Nitrile rubber outsole, heat resistant to 300°C
- Heavy Duty TPU moulded toe guard for superior leather protection
- Seven rows of lacing hardware, including lace locking device
- Lining made from recycled PET for moisture wicking and performance
- Durable, heavy duty zip with industrial grade zip fastener

STANDARDS
AS 2210.3:2019
ASTM F2413-18

CODE	COLOUR	SIZES	HALF SIZES	UOM
BL0009060	Wheat	5 - 16	7.5 - 11.5	Pair
BL0009061	Black	5 - 16	7.5 - 11.5	Pair
BL0009063	Stone	5 - 16	7.5 - 11.5	Pair







OCTANE - NITRILE

FEATURES AND BENEFITS

- Lightweight design and ADAPT™ sole for rough terrain
- Composite lightweight and metal free toecap
- articulatedFIT optimises movement performance
- Anti-static to protect against ignition hazards
- 300°C heat resistant sole

STANDARDS
AS/NZS 2210.3 (Class I S1 HRO SRC)
EN – ISO 20345 (Class I S1 HRO SRC)
ASTM F2413 (M/I/75/C/75/SD)

CODE	COLOUR	SIZES	HALF SIZES	UOM
MK00OCTANEBBF	Black	4 - 14	6.5 - 10.5	Pair
MK00OCTANEHHF	Honey	6 - 14	6.5 - 10.5	Pair
MK00OCTANEROF	Rocky Brown	6 - 14	6.5 - 10.5	Pair



TERRAPRO - NITRILE

FEATURES AND BENEFITS

- Lightweight design for work on rough terrain
- Composite lightweight and metal free toecap
- 180mm height for better ankle protection
- 300°C heat resistant sole and anti-static
- ArticulatedFIT optimises movement performance

STANDARDS
AS/NZS 2210.3 (Class I S1 HRO SRC)
EN – ISO 20345 (Class I S1 HRO SRC)
ASTM F2413 (M/I/75/C/75/SD)

CODE	COLOUR	SIZES	HALF SIZES	UOM
MKTERRAPRHHF	Honey	4 - 15	6.5 - 10.5	Pair



FORCE - TPU

FEATURES AND BENEFITS

- modRIDE mid sole design, based on running shoe technology, for all day comfort.
- Wide steel toecap with scuffcap
- Cushioned PU midsole and insole
- High grade full grain leather upper
- Anti-static and 150°C heat, fuel and oil resistant resistant TPU Sole

STANDARDS
AS/NZS 2210.3 (Class I S1 SRA)
EN - ISO 20345 (S1 SRC)
ASTM F2413 - 11 (M/I/75/C/75/SDS)

CODE	COLOUR	SIZES	HALF SIZES	UOM
MK00FORCEBBF	Black	4 - 13	6.5 - 10.5	Pair
MK00FORCEHHF	Honey	4 - 13	6.5 - 10.5	Pair



TRADESMAN - TPU

FEATURES AND BENEFITS

- Leather laceup, cost effective safety boot
- Steel toecap
- Anti-static to protect against ignition hazards
- TPU 150°C heat resistant sole
- slipRESIST-C sole

STANDARDS
AS/NZS 2210.3:2009 (Class I S1 SRC)
EN – ISO 20345:2011 (Class I S1 SRC)
ASTM F2413 – 11 (M/I/75/C/75/SD)

CODE	COLOUR	SIZES	HALF SIZES	UOM
MK0TRADESBBF	Black	4 - 16	5.5 - 10.5	Pair



55 SERIES - NITRILE 55-332

FEATURES AND BENEFITS

- Water resistant nubuck leather.
- NANOlite® footbed for greater support.
- NATUREform® steel toe cap with a wide profile for greater comfort.
- Rubber sole with lightweight shock absorbing PU midsole. Resistant to 300˚C surface contact.
- COMFORTcushion® Impact Absorption System with PORON® protects the heel and ball of the foot.

STANDARDS
AS/NZS 2210.3:2009
EN ISO 20345:2011
ASTM F2413-11

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN0055332WHF	Wheat	4 - 14	6.5 - 12.5	Pair



45 SERIES - TPU 45-632

FEATURES AND BENEFITS

- Water resistant nubuck leather.
- Lightweight composite toecap.
- COMFORTcushion® Impact Absorption System with PORON® protects the heel and ball of your foot.
- Dual density TPU/PU sole, heat resistant to 130˚C surface contact.
- Electrical Hazard (EH) resistant sole.

STANDARDS
AS/NZS 2210.3:2009
EN ISO 20345:2011
ASTM F2413-11

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN0045632WHF	Wheat	5 - 14	6.5 - 10.5	Pair



ARGYLE - TPU 312102

FEATURES AND BENEFITS

- 150mm lace-up ankle work boot
- 200J safety steel toe cap
- Anti-static TPU outsole, heat resistant to 130°C
- Premium water resistant leather
- Nitrile version available – 322102 in Black and Wheat

STANDARDS
AS/NZS 2210.3
EN – ISO 20345
ASTM F2413

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN0312102BBF	Black	3 - 14	5.5 - 13.5	Pair
NN0312102WHF	Wheat	3 - 14	5.5 - 13.5	Pair


OLIVER
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MACK



HUB - TPU

FEATURES AND BENEFITS

- modRIDE mid sole design, based on running shoe technology, for all day comfort.
- Wide steel toecap with scuffcap
- Cushioned PU midsole and insole
- Premium full grain leather upper
- Anti-static and 150°C heat, fuel and oil resistant TPU Sole

STANDARDS
AS/NZS 2210.3:2009 (Class I S1 SRC)
EN – ISO 20345:2011 (Class I S1 SRC)
ASTM F2413 – 11 (M/I/75/C/75/SD)

CODE	COLOUR	SIZES	HALF SIZES	UOM
MK0000HUBCLF	Claret	4 - 13	6.5 - 10.5	Pair

MACK



CHIPPY PEN - TPU

FEATURES AND BENEFITS

- Ideal for construction and those exposed to sharp objects
- Steel toecap
- Penetration resistant
- Anti-static to protect against ignition hazards
- TPU 150°C heat resistant sole

STANDARDS
AS/NZS2210.3:2009 (Class I S1 P SRC)
EN – ISO 20345:2011 (Class I S1 P SRC)
ASTM F2413 – 11 (M/I/75/C/75/SD/PR)

CODE	COLOUR	SIZES	HALF SIZES	UOM
MKCHIPPYPHHF	**Honey suede**	6 - 14	6.5 - 10.5	Pair

MACK



TRADIE - TPU

FEATURES AND BENEFITS

- Leather slipon safety boot at an attractive price point
- Steel toecap
- Anti-static to protect against ignition hazards
- TPU 150°C heat resistant sole
- slipRESIST-C sole

STANDARDS
AS/NZS 2210.3:2009 (Class I S1 SRC)
EN – ISO 20345:2011 (Class I S1 SRC)
ASTM F2413 – 11 (M/I/75/C/75/SD)

CODE	COLOUR	SIZES	HALF SIZES	UOM
MK0TRADIEBBF	Black	4 - 16	5.5 - 11.5	Pair



55 SERIES - NITRILE 55-322

FEATURES AND BENEFITS

- Water resistant nubuck leather.
- NANOlite® footbed for greater support.
- NATUREform® steel toe cap with a wide profile for greater comfort.
- Rubber sole with lightweight shock absorbing PU midsole. Resistant to 300˚C surface contact.
- COMFORTcushion® Impact Absorption System with PORON® protects the heel and ball of the foot

STANDARDS
AS/NZS 2210.3:2019
EN ISO 20345:2011
ASTM F2413-18

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN0055322	Wheat	4 - 14	6.5 - 12.5	Pair



HOBART – TPU SCUFF 312601

FEATURES AND BENEFITS

- 145mm elastic-sided pull-on work boot with Scuff Cap
- 200J safety steel toe cap
- Anti-static TPU outsole, heat resistant to 130°C
- Premium water resistant leather

STANDARDS
AS 2210.3
EN ISO 20345
ASTM F2413

CODE	COLOUR	SIZES	HALF SIZES	UOM
SB0312601BBF	Black	3 - 14	6.5 - 12.5	Pair
SB0312601WHF	Wheat	3 - 14	6.5 - 12.5	Pair
SB0312601SNF	Sand	3 - 14	6.5 - 12.5	Pair







POWER - NITRILE

FEATURES AND BENEFITS

- Designed with the toughness of a boot and the flexibility of a shoe
- Composite lightweight and metal free toecap
- ADAPT™ sole technology for rough terrain
- articulatedFIT optimises movement performance
- Anti-static and 300°C heat resistant sole

STANDARDS
AS/NZS 2210.3 (Class I S1 HRO SRC)
EN – ISO 20345 (Class I S1 HRO SRC)
ASTM F2413 (M/I/75/C/75/SD)

CODE	COLOUR	SIZES	HALF SIZES	UOM
MK00POWERBBF	Black	4 - 13	6.5 - 10.5	Pair



PITCH - NITRILE

FEATURES AND BENEFITS

- Designed for the unique requirements of workers that work on roofs
- Composite lightweight and metal free toecap
- Hydrodynamic sole to optimise fluid dispersion
- articulatedFIT optimises movement performance
- Anti-static to protect against ignition hazards

STANDARDS
AS/NZS 2210.3:2009 (Class I S1 SRC)
EN – ISO 20345:2011 (Class I S1 SRC)
ASTM F2413 – 11 (M/I/75/C/75/SD)

CODE	COLOUR	SIZES	HALF SIZES	UOM
MK00PITCHCCF	Charcoal/Lime	6 - 14	6.5 - 10.5	Pair



VISION - NITRILE

FEATURES AND BENEFITS

- Lightweight athletic safety shoe for light industry
- Composite lightweight and metal free toecap
- exoSHIELD for stability and durability
- slipRESIST-C (to soap on ceramic tiles and glycerol on steel plate) sole
- Anti-static to protect against ignition hazards

STANDARDS
AS/NZS 2210.3:2009 (Class I S1 SRC)
EN – ISO 20345:2011 (Class I S1 SRC)
ASTM F2413 – 11 (M/I/75/C/75/SD)

CODE	COLOUR	SIZES	UOM
MK0VISIONBBF	Black	4 - 13	Pair



38 SERIES DERBY - PU 38-275

FEATURES AND BENEFITS

- Water resistant soft touch leather
- Premium leather lining
- NATUREform® steel toe cap with a wide profile for greater comfort.
- Anti-static sole.

STANDARDS
AS/NZS 2210.3:2019
EN ISO 20345:2011
ASTM F2413-18

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN0038275BBF	Black	6 - 13	6.5 - 10.5	Pair



40 SERIES JOGGER - NITRILE ST 40-815

FEATURES AND BENEFITS

- Abrasion resistant flexible textile and bonded thermoplastic polyurethane (TPU) film upper
- NATUREform® high impact composite safety toe cap
- Q-flex® non metallic penetration protection insole
- Electrostatic discharge (ESD) protection
- Water Resistant

STANDARDS
AS/NZS 2210.3:2019
EN ISO 20345:2011

CODE	COLOUR	SIZES	HALF SIZES	UOM
OLST40815BBF	Black	5 - 14	6.5 - 10.5	Pair



40 SERIES JOGGER ANKLE - NITRILE ST 40-825

FEATURES AND BENEFITS

- Abrasion resistant flexible textile and bonded thermoplastic polyurethane (TPU) film upper
- NATUREform® high impact composite safety toe cap
- Q-flex® non metallic penetration protection insole
- Electrostatic discharge (ESD) protection
- Water Resistant

STANDARDS
AS/NZS 2210.3:2019
EN ISO 20345:2011

CODE	COLOUR	SIZES	HALF SIZES	UOM
OLST40825BBF	Black	5 - 14	6.5 - 10.5	Pair



MANLY - TPU 316109

FEATURES AND BENEFITS

- Executive style lace-up shoe with padded collar and tongue
- 200J safety steel toe cap
- Anti-static TPU outsole, heat resistant to 130°C
- Premium water resistant leather

STANDARDS
AS 2210.3
EN ISO 20345
ASTM F2413

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN0316109BBF	Black	5 - 14	6.5 - 12.5	Pair



ADELAIDE – TPU 311400

FEATURES AND BENEFITS

- Sports style lace-up shoe with padded collar
- 200J safety composite toe cap
- Anti-static TPU outsole, heat resistant to 130°C

STANDARDS
AS 2210.3
EN ISO 20345
ASTM F2413

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN0311400BBF	Black	4 - 13	6.5 - 12.5	Pair


BOOTMAKERS
OLIVER
SINCE 1887
OLIVER
PROTECT CAP


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AXEL - NITRILE

FEATURES AND BENEFITS

- M-WRAP to provide targeted support on the inside of the foot
- Composite lightweight and metal free toecap
- Hydrodynamic sole to optimise fluid dispersion
- Electrical hazard certified
- 300°C heat resistant sole

STANDARDS
AS/NZS 2210.3:2009 (Class I SB HRO SRC)
EN – ISO 20345:2011 (Class I SB HRO SRC)
ASTM F2413 – 11 (F/I/75/C/75/EH)

CODE	COLOUR	LADIES SIZES	HALF SIZES	UOM
MK000AXELFNF	Fawn/Purple	6 - 12	6.5 - 9.5	Pair



49 SERIES LADIES ZIP - NITRILE 49-432Z

FEATURES AND BENEFITS

- Water resistant nubuck leather
- NATUREform® steel toe cap with a wide profile for greater comfort
- COOLstep® lining to absorb moisture and odour for optimum freshness and hygiene
- Lightweight shock absorbing PU midsole and hardwearing rubber outsole resistant to 300˚C surface contact
- Excellent slip resistant sole; SRC slip resistant classification. Anti-static

STANDARDS
AS/NZS 2210.3:2019
EN ISO 20345:2011
ASTM F2413-18

CODE	COLOUR	SIZES	UOM
49-432Z	Wheat	35 - 43	Pair



49 SERIES LADIES ZIP - NITRILE 49-450Z

FEATURES AND BENEFITS

- Water resistant nubuck leather
- NATUREform® steel toe cap with a wide profile for greater comfort
- COOLstep® lining to absorb moisture and odour for optimum freshness and hygiene
- Lightweight shock absorbing PU midsole and hardwearing rubber outsole resistant to 300˚C surface contact
- Excellent slip resistant sole; SRC slip resistant classification. Anti-static

STANDARDS
AS 2210.3:2019
EN ISO 20345:2011
ASTM F2413-18

CODE	COLOUR	SIZES	UOM
OL049450Z	Stone	35 - 43	Pair



49 SERIES LADIES SLIP-ON - NITRILE 49-430

FEATURES AND BENEFITS

- Water resistant full grain leather
- NATUREform® steel toe cap with a wide profile for greater comfort.
- COOLstep® lining to absorb moisture and odour for optimum freshness and hygiene
- Lightweight shock absorbing PU midsole and hardwearing rubber outsole resistant to 300˚C surface contact
- Excellent slip resistant sole; SRC slip resistant classification. Anti-static

STANDARDS
AS/NZS 2210.3:2009
EN ISO 20345:2011
ASTM F2413-11

CODE	COLOUR	SIZES	UOM
NN0049430BBF	Black	35 - 43	Pair



ARGYLE® ZIP LADIES – TPU SCUFF 512709

FEATURES AND BENEFITS

- 140mm lace-up and zip ankle work boot with scuff cap
- 200J safety steel toe cap
- Anti-static TPU outsole, heat resistant to 130°C
- True ladies fit with a shorter ankle length and smaller in-step
- Premium water resistant leather

STANDARDS
AS 2210.3
EN ISO 20345
ASTM F2413

CODE	COLOUR	SIZES	HALF SIZES	UOM
SB0512709BBF	Black	4 - 11	5.5 - 10.5	Pair
SB0512709WHF	Wheat	4 - 11	5.5 - 10.5	Pair
SB0512709SNF	Sand	4 - 11	5.5 - 10.5	Pair



SOUTHERN CROSS® ZIP LADIES – NITRILE 522761

FEATURES AND BENEFITS

- 150mm lace-up and zip ankle work boot
- 200J safety steel toe cap
- Anti-static Nitrile outsole, heat resistant to 300°C
- Low-cut scalloped, padded collar for ease of movement
- True ladies fit with a shorter ankle length and smaller in-step
- Premium water resistant leather
- PR version available – 592761 Sand

STANDARDS
AAS 2210.3
EN ISO 20345
ASTM F2413

CODE	COLOUR	LADIES SIZES	HALF SIZES	UOM
NN0522761SNF	Sand	4 - 11	5.5 - 10.5	Pair



SOUTHERN CROSS® ZIP LADIES – TPU 512761

FEATURES AND BENEFITS

- 150mm lace-up and zip ankle work boot
- 200J safety steel toe cap
- Anti-static TPU outsole, heat resistant to 130°C
- Low-cut scalloped, padded collar for ease of movement
- True ladies fit with a shorter ankle length and smaller in-step
- Premium water resistant leather
- $10 from every pair of Pink and Purple Boots sold is donated

STANDARDS
AAS 2210.3
EN ISO 20345
ASTM F2413

CODE	COLOUR	LADIES SIZES	HALF SIZES	UOM
NN0512761PKF	Pink	4 - 11	5.5 - 10.5	Pair
NN0512761PUF	Purple	4 - 11	5.5 - 10.5	Pair
NN0512761BLF	Blue	4 - 11	5.5 - 10.5	Pair



PARKES ZIP LADIES - TPU 512719

FEATURES AND BENEFITS

- Ladies ankle work boot with scuff cap
- 200J safety steel toe cap
- Industrial grade zip
- TPU outsole, heat resistant to 130°C,
- Premium water resistant leather

STANDARDS
AS/NZS 2210.5
EN – ISO 20345
ASTM F2413

CODE	COLOUR	LADIES SIZES	HALF SIZES	UOM
SB0512719BBF	Black	4 - 11	5.5 - 10.5	Pair
SB0512719WHF	Wheat	4 - 11	5.5 - 10.5	Pair



HOBART LADIES – TPU 512701

FEATURES AND BENEFITS

- 120mm elastic-sided pull-on ankle work boot
- 200J safety steel toe cap
- Anti-static TPU outsole, heat resistant to 130°C
- True ladies fit with a shorter ankle length and smaller in-step
- Premium water resistant leather

STANDARDS
AS 2210.3
EN ISO 20345
ASTM F2413

CODE	COLOUR	LADIES SIZES	HALF SIZES	UOM
NN0512701BBF	Black	4 - 11	5.5 - 10.5	Pair
NN0512701SNF	Sand	4 - 11	5.5 - 10.5	Pair



WOMEN'S ROTOFLEX ZIP – NITRILE 9960/9961

FEATURES AND BENEFITS

- Water-resistant leather upper - 150mm height
- Designed specifically for women, offering optimum fit and comfort
- Nitrile rubber outsole, heat resistant to 300°C
- Seven rows of lacing hardware, including lace locking device
- Laces manufactured from recycled PET
- Recycled PET lining offers moisture wicking and performance
- Durable, heavy duty zip with industrial grade zip fastener

STANDARDS
AS 2210.3:2019
ASTM F2413-18

CODE	COLOUR	SIZES	HALF SIZES	UOM
BL0009960	Wheat	5 - 12	6.5 - 10.5	Pair
BL0009961	Black	5 - 12	6.5 - 10.5	Pair




OLIVER



GRANITE II - NITRILE

FEATURES AND BENEFITS

- Protects against impacts from above, below and the side
- Composite lightweight and metal free toecap
- Metatarsal guard and ankle guard
- Penetration resistant
- ADAPT™ sole technology for rough terrain

STANDARDS
AS/NZS 2210.3 (Class I S1 P M AN HRO SRC)
EN – ISO 20345 (Class I S1 P M AN HRO SRC)
ASTM F2413 (M/I/75/C/75/SD/PR/Mt)

CODE	COLOUR	SIZES	HALF SIZES	UOM
MKGRANIT2BBF	Black	4 - 15	6.5 - 10.5	Pair



TORQUAY EH – NITRILE 827539

FEATURES AND BENEFITS

- 150mm lace-up and zip ankle work boot
- 200J safety composite toe cap
- EH TPU outsole, heat resistant to 300°C
  (please refer to the Steel Blue website for more info)
- Premium water resistant leather

STANDARDS
AS 2210.5
EN ISO 20347
ASTM F2892

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN0827539	Wheat	3 - 14	6.5 - 12.5	Pair



55 SERIES HI-LEG ZIP - NITRILE 55-385

FEATURES AND BENEFITS

- Water resistant nubuck leather
- Premium COOLstep® lining for optimum freshness
- NANOlite® footbed for greater comfort
- Convenient quick release zipper
- NATUREform® steel toe cap with a wide profile for greater comfort.

STANDARDS
AS/NZS 2210.3:2019
EN ISO 20345:2011
ASTM F2413-18

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN0055385WHF	Wheat	4 - 14	6.5 - 12.5	Pair



55 SERIES HI-LEG ZIP - NITRILE 55-380

FEATURES AND BENEFITS

- Water resistant full grain leather
- Premium COOLstep® lining for optimum freshness
- NANOlite® footbed for greater comfort
- Convenient quick release zipper
- NATUREform® steel toe cap with a wide profile for greater comfort.

STANDARDS
AS/NZS 2210.3:2019
EN ISO 20345:2011
ASTM F2413-18

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN0055380BBF	Black	4 - 14	6.5 - 12.5	Pair



COLLIE ZIP – NITRILE BUMP 342099

FEATURES AND BENEFITS

- 210mm high-leg lace-up and zip work boot with bump cap
- 200J safety steel toe cap
- Anti-static Nitrile outsole, heat resistant to 300°C
- Stitched with strong, hesitant resistant Kevlar® aramid fibre thread
- Premium water resistant leather

STANDARDS
AS 2210.5
EN ISO 20347
ASTM F2892

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN0342099	Wheat	3 - 14	6.5 - 12.5	Pair



55 SERIES METATARSAL - NITRILE 55-346

FEATURES AND BENEFITS

- Internal PORON® XRD metatarsal guard.
- Q-flex® non metallic penetration protection insole.
- COMFORTcushion® Impact Absorption System with PORON® protects the heel and ball of the foot.
- NATUREform® steel toe cap with a wide profile for greater comfort.
- Rubber sole with lightweight shock absorbing PU midsole. Resistant to 300˚C surface contact.

STANDARDS
AS/NZS 2210.3:2009
EN ISO 20345:2011
ASTM F2413-11

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN0055346BBF	Black	4 - 14	6.5 - 12.5	Pair



65 SERIES ZIP - NITRILE CAUSTIC 65-490Z

FEATURES AND BENEFITS

- 100% waterproof premium full grain leather
- Heavy duty coated leather for ultimate durability
- High abrasion and chemical resistance
- New and improved SAFETYcell®
- Q-flex® non metallic penetration protection insole and a convenient quick release zipper

STANDARDS
AS/NZS 2210.3:2019
EN ISO 20345:2011
ASTM F2413-18

CODE	COLOUR	SIZES	HALF SIZES	UOM
OL065490ZBRF	Brown	4 - 16	6.5 - 12.5	Pair



66 SERIES QUICK ZIP - NITRILE FIREFIGHTERS 66-495

FEATURES AND BENEFITS

- Water resistant and flame retardant leather
- SYMPATEX® breathable waterproof liner and membrane
- PORON® XRD™ Extreme ankle protection
- Qflex® non-metallic midsole penetration protection and TECtuff® toe bumper protection
- Heavy duty red Nomex® stitching and flame proof laces and lace in quick release zipper attachment

STANDARDS
AS/NZS 2210.3:2019
EN ISO 20345:2011 ASTM F2413-18 Type 2 Structural Firefighting Footwear

CODE	COLOUR	SIZES	HALF SIZES	UOM
OL6649500BBF	Brown	2 - 17	2.5 - 16.5	Pair



66 SERIES FAST ZIP - NITRILE SMELTER 66-398

FEATURES AND BENEFITS

- Heat resistant and flame retardant leather smelter boot
- Uppers designed to assist the run-off of molten metal.
- Electrical Hazard (EH) Protection.
- PORON® XRD™ flexible, lightweight internal metatarsal guard
- COMFORTcushion® Impact Absorption System with PORON® protects the heel and ball of the foot.

STANDARDS
AS/NZS 2210.3:2009
EN ISO 20345:2011
ASTM F2413-11

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN0066398BBF	Black	5 - 14	6.5 - 10.5	Pair



65 SERIES UNDERGROUND MINING - NITRILE 65-791

FEATURES AND BENEFITS

- 100% waterproof premium full grain leather.
- - NATUREform® steel toe cap with a wide profile for greater comfort.
- - Internal PORON® XRD metatarsal guard.
- - Q-flex® non metallic penetration protection insole.
- - New Y-Guard TPU ankle protectors provides impact resistance.

STANDARDS
AS/NZS 2210.3:2009
EN ISO 20345:2011
ASTM F2413-11

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN0065691BBF	Black	4 - 16	6.5 - 12.5	Pair



TELFER ZIP UNDERGROUND MINING – NITRILE BUMP MET PR 382833

FEATURES AND BENEFITS

- 350mm high-leg lace-up and quick-zip lace-up system work boot with padded collar and bump cap
- 200J safety steel toe cap
- Anti-static Nitrile outsole, heat resistant to 300°C
- Built-in met-guard and penetration resistant midsole
- Premium waterproof leather

STANDARDS
AS 2210.3
EN ISO 20345
ASTM F2413

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN0382833BBF	Grey	5 - 14	6.5 - 10.5	Pair



UNDERGROUND MINERS - NITRILE 980

FEATURES AND BENEFITS

- Waterproof safety mining boot—350mm height
- High-quality leather for superior waterproofing, abrasion resistance and tear strength
- Fully enclosed metatarsal protection featuring moulded XRD®
- Non-metallic penetration-resistant insole
- Quick closure and simple release Boa® Fit System—adjustable for a personalised fit

STANDARDS
AS 2210.3:2019
ASTM F2413 - 18 including SD
(Clause 5.7)

CODE	COLOUR	SIZES	HALF SIZES	UOM
980	Black	8 - 14	8.5 - 10.5	Pair



POUR GUMBOOT - PVC PENETRATION

FEATURES AND BENEFITS

- Ideal for construction, concreting and those exposed to sharp objects
- Steel toecap
- Penetration resistant
- PU footbed for added comfort
- Fuel oil resistant

STANDARDS
AS/NZS2210.3:2009 (Class I SB P SRA)
EN – ISO 20345:2011 (Class I SB P SRA)
ASTM F2413 – 11 (M/I/75/C/75/PR)

CODE	COLOUR	SIZES	UOM
MK000POURBDF	Black/Red	6 - 13	Pair



PUMP GUMBOOT - PVC

FEATURES AND BENEFITS

- Durable and comfortable PVC safety gumboot with PU footbed
- Steel toecap
- PU footbed for added comfort
- Fuel oil resistant
- Ladder heel

STANDARDS
AS/NZS2210.3:2009 (Class I SB SRA)
EN – ISO 20345:2011 (Class I SB SRA)
ASTM F2413 – 11 (M/I/75/C/75)

CODE	COLOUR	SIZES	UOM
MK000PUMPB3F	Black/Grey	5 - 13	Pair



ACIFORT GUMBOOT - PVC METGUARD

FEATURES AND BENEFITS

- Safety Toe Cap with Metatarsal Protection
- Sneaker Fit last to eliminate heel slippage and foot fatigue.
- Chemical protection from fuel and acids.
- SRC rated outsole designed for maximum grip on the toughest terrain, with wear indicator
- Ladder heel

STANDARDS
AS/NZS 2210.3.2019

CODE	COLOUR	SIZES	UOM
DLGBACIMTG1F	Grey/Yellow	5 - 13	Pair





22 SERIES GUMBOOT - PVC 22-205 PENETRATION

FEATURES AND BENEFITS

- Waterproof PVC gumboot
- STEELflex® steel midsole penetration protection
- METprotect® Metatarsal protection
- Kick off spur
- Two trim heights

STANDARDS
AS/NZS 2210.3:2019
EN ISO 20345:2011
ASTM F2413-18

CODE	COLOUR	SIZES	UOM
NN022205GGF	Grey	5 - 13	Pair



024 GUMBOOT - PVC PENETRATION

FEATURES AND BENEFITS

- Steel toecap
- Penetration resistant midsole
- Cushioned footbed
- Wide fitting
- Abrasion resistant PVC upper design

STANDARDS
AS/NZS 2210.3.2009
ASTM F 2413-11

CODE	COLOUR	SIZES	UOM
NN0000024GYF	Grey	5 - 13	Pair



025 GUMBOOT - PVC

FEATURES AND BENEFITS

- Steel toecap
- Cushioned footbed
- Wide fitting
- Abrasion resistant PVC upper design
- Reinforced ankle and heel

STANDARDS
AS/NZS 2210.3.2009
ASTM F 2413-11

CODE	COLOUR	SIZES	UOM
NN0000025GYF	Grey	7 - 13	Pair



028 GUMBOOT - PVC PENETRATION & MET GUARD

FEATURES AND BENEFITS

- Soft Poron XRD metatarsal guard
- Steel toecap
- Penetration resistant midsole
- Cushioned footbed
- Abrasion resistant PVC upper design

STANDARDS
AS/NZS 2210.3.2009
ASTM F 2413-11

CODE	COLOUR	SIZES	UOM
NN0000028GYF	Grey	7 - 13	Pair





CRUISE - TPU

FEATURES AND BENEFITS

- Double gusset boot with non-safety toe
- modRIDE mid sole design, based on running shoe technology, for all day comfort.
- Cushioned PU midsole and insole
- Premium full grain leather upper
- Anti-static and 150°C heat, fuel and oil resistant resistant TPU Sole

STANDARDS
xxx

CODE	COLOUR	SIZES	HALF SIZES	UOM
MK0CRUISECLF	Claret	4 - 13	6.5 - 10.5	Pair



ENFORCER ZIP - NITRILE 320250

FEATURES AND BENEFITS

- 150mm lace-up and zip ankle work boot
- Soft toe (non-safety)
- Anti-static Nitrile outsole, heat resistant to 300°C
- Premium pathogen and water resistant leather

STANDARDS
AS 2210.5
EN ISO 20347
ASTM F2892

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN0320250BBF	Black	6 - 14	6.5 - 12.5	Pair



HARVEY - TPU 310215

FEATURES AND BENEFITS

- Executive style lace-up shoe with padded collar
- Soft toe (non-safety)
- Anti-static TPU outsole, heat resistant to 130°C
- Premium water resistant leather

STANDARDS
AS 2210.5
EN ISO 20347
ASTM F2892

CODE	COLOUR	SIZES	HALF SIZES	UOM
NN0310215BBF	Black	5 - 14	6.5 - 12.5	Pair



ORTHO REBOUND® FOOTBED INSOLE

FEATURES AND BENEFITS

- Cushioning for the entire foot
- Absorbs shock
- Supports the arch of the foot
- Bacterial, Fungal & Static resistant
- Provides a reduction in foot fatigue and pain

CODE	COLOUR	SIZES	UOM
SB0A00004	Purple	4 - 11	Pair
NN0A00013	Black	3 - 16	Pair



NANOLITE FOOTBED

FEATURES AND BENEFITS

- NANOlite® Impact Absorption System insole with PORON®.

CODE	COLOUR	SIZES	UOM
INSOL-N	Yellow	4 - 14	Pair



SHOE LACES

FEATURES AND BENEFITS

- Black shoe laces

CODE	COLOUR	SIZES	UOM
MKDERBYLACE-BB	Black	N/A	Pair



ROUND LACES

FEATURES AND BENEFITS

- Round slip resistant laces for boots

CODE	COLOUR	SIZES	UOM
MKLACES-BB	Black	150cm	Pair
MKLACES-HH	Honey	150cm	Pair
MKLACES-BR	Brown	150cm	Pair
MKLACES-TP	Taupe	150cm	Pair



FLAT LACES

FEATURES AND BENEFITS

- Flat style replacement laces for boots

CODE	COLOUR	SIZES	UOM
MKFLATLACES-BB	Black	150cm	Pair
MKFLATLACES-HH	Honey	150cm	Pair
MKFLATLACES-BR	Brown	150cm	Pair

WS Workwear



BAMBOO SOCKS

FEATURES AND BENEFITS

- Natural breathable fibre
- Blended with nylon and elastane for durability and flexibility
- Naturally anti-bacterial to help combat odour

CODE	COLOUR	SIZES	UOM
WS00A0115	Black	6 - 11	Pair
WS00A0115	Navy	6 - 11	Pair

BOOMERANG



BAMBOO SOCKS

FEATURES AND BENEFITS

- Natural breathable fibre
- Blended with nylon and elastane for durability and flexibility
- Naturally anti-bacterial to help combat odour

CODE	COLOUR	SIZES	UOM
CWBAMSOCKBB0610	Black	6 - 10	Pair
CWBAMSOCKBB1114	Black	11 - 14	Pair

MACK



MKPERSOCK

FEATURES AND BENEFITS

- Anti bacterial helps combat odour
- Padded zone to disperse boot shaft pressure
- Compression zones reduce sock movement
- RadiatorTECH™ to improve breathability in high sweat zones

CODE	COLOUR	SIZES	UOM
MKPERSOCKBB0610	Black/Alloy	6 - 10	Pair
MKPERSOCKBB1114	Black/Alloy	11 - 14	Pair

MACK



MKCOTSOCK

FEATURES AND BENEFITS

- Cushioned wicking sole
- Reinforced toes and cuff
- Exceptionally comfortable and - breathable for all day wear

CODE	COLOUR	SIZES	UOM
MKCOTSOCKBB0610	Black	6 - 10	Pair
MKCOTSOCKBB1114	Black	11 - 14	Pair




MACK



LIFTING CHAIN & COMPONENTS

4

GRADE 80 LIFTING CHAIN & COMPONENTS	268-275
GRADE 100 LIFTING CHAIN & COMPONENTS	276-293
GRADE 60 LIFTING CHAIN & COMPONENTS	295-300

WE ONLY SUPPLY THE BEST LIFTING CHAIN AND COMPONENTS

to ensure every application of the lifting process is performed safely and effectively. All lifting chain and components are manufactured and tested to meet Australian Standards.

CHAIN

GENERAL

Although chain is generally heavier than other lifting equipment it is more durable, can withstand rough handling, can be stored without serious deterioration and has a longer effective life than most other mediums.

Various types of chain are in use today and an important part of an operator's knowledge is to be able to recognise those chains that can be used for lifting purposes and those that can not.

Chain identified by
"8 - 80 - 800 - T - B-Alloy
are approved for lifting assemblies.

GRADES
CHAIN & FITTINGS

THREE AUSTRALIAN STANDARDS COVER CHAIN MANUFACTURE AND ASSEMBLY

AS2321
Short Link Chain for Lifting Purposes
(Non-Calibrated)**

AS3775.1
Chain slings for lifting purposes - Grade T(80) and V(100)

AS3776
Lifting Components for Grade T(80) and V(100) chain slings

AS2321 is a performance standard, it is concerned with the production and testing of chain rather than it's usage.

AS 2321 COVERS GRADES OF QUALITY AS FOLLOWS:

- L or 3 (30) - Low Tensile
- P or 5 (50) - Higher Tensile
- T or 8 (80) - Alloy

**NON-CALIBRATED

Non calibrated Load Chain is used for slings. This chain is manufactured to specific link dimensions, tolerance and mechanical properties but not dimensional accuracy. Whereas the chain required by hoists (or to run over gypsy or a pocketed wheel) is calibrated load chain and every link needs to be dimensionally exact.

GRADE 100
Lifting Chain and Components

GRADE 60
Stainless Steel Lifting



GRADE 80 LIFTING CHAIN & COMPONENTS

Grade 80(T) Chain is manufactured from heat treated alloy steel, and is ideal for heavy duty lifting applications.

It meets Australian standards AS 2321, Short-Link Chain for Lifting Purposes and is high strength, rugged, versatile and low-weight.

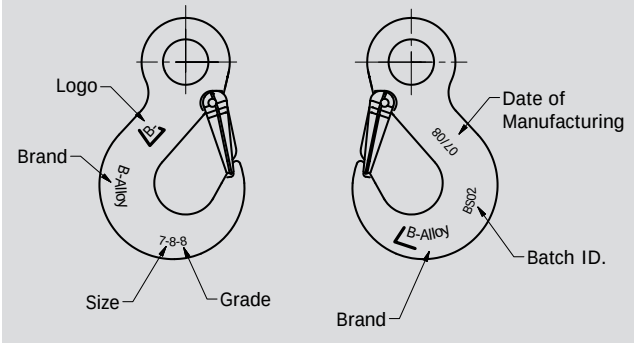
- Quality testing is undertaken throughout the manufacturing process
- Grade 80 Chain also carries the mark “BSN-8”, stamped at intervals along its entire length for easy identification.

GRADE 80 COMPONENTS

Grade 80 Lifting Components are also manufactured from heat treated alloy steel and are ideal for heavy duty lifting applications. They meet Australian Standard AS3776, Lifting Components for Grade T Chain Slings.

- Quality testing is undertaken throughout the manufacturing process
- Grade 80 Components also carry distinguishing marks - see image 1.1.

1.1 GRADE 80 MARKINGS





WORKING LOAD LIMITS GRADE 80

WORKING LOAD LIMIT (W.L.L.) IN TONNES UNDER GENERAL CONDITIONS OF USE

	SINGLE LEG SLINGS				SLINGS OF 2,3 OR 4 LEG SLINGS			2 LEG SLINGS	
CHAIN SIZE (mm)	STRAIGHT SLING	ADJUSTABLE SLING W/DERATION	REEVED SLING	BASKET SLING MAX 60°	STRAIGHT SLING			REEVED SLING MAX 60°	BASKET SLING MAX 60°
					60°	90°	120°		
LOADING FACTOR	1	0.75	0.75	1.3	1.73	1.41	1	1.3	2.25
6	1.1	1.1	0.8	1.4	1.9	1.6	1.1	1.4	2.5
8	2.00	2.0	1.5	2.6	3.5	2.8	2.0	2.6	4.5
10	3.2	3.2	2.4	4.2	5.5	4.5	3.2	4.2	7.2
13	5.3	5.3	4.0	6.9	9.2	7.5	5.3	6.9	11.9
16	8.0	8.0	6.0	10.4	13.8	11.3	8.0	10.4	18.0
20	12.5	12.5	9.4	16.3	21.6	17.6	12.5	16.3	28.1
22	15.0	15.0	11.3	19.5	26.0	21.2	15.0	19.5	33.8
26	21.2	21.2	15.9	27.6	36.7	29.9	21.2	27.6	47.7
32	31.5	31.5	23.6	41.0	54.5	44.4	31.5	41.0	70.9

*On adjustable slings, some grab shortening hooks may derate the W.L.L by 25%. Advice should be sought from the manufacturer.

GRADE 80 CHAIN SLINGS



GRADE 80 CHAIN SLINGS WITH SHORTENERS AND SELF LOCKING HOOKS 6 - 32mm

FEATURES AND BENEFITS

- Pre-assembled for convenience
- Tested to AS3775.1 and supplied with NATA test certificates
- All fittings and components manufactured from high quality heat treated alloy steel
- Supplied with WLL tag fitted

STANDARDS
Complies to AS3775.1

UOM: EACH

SIZE (mm)	LENGTH (m)	1 LEG CODE	1 LEG WLL (t)	2 LEG CODE	3 LEG CODE	4 LEG CODE	2,3,4 LEG WLL (t)
6	3	D8061123	1.1	D8062123	D8063123	D8064123	1.9
6	6	D8061126	1.1	D8062126	D8063126	D8064126	1.9
8	3	D8081123	2.0	D8082123	D8083123	D8084123	3.5
8	6	D8081126	2.0	D8082126	D8083126	D8084126	3.5
10	3	D8101123	3.2	D8102123	D8103123	D8104123	5.5
10	6	D8101126	3.2	D8102126	D8103126	D8104126	5.5
13	3	D8131123	5.3	D8132123	D8133123	D8134123	9.2
13	6	D8131126	5.3	D8132126	D8133126	D8134126	9.2
16	3	D8161123	8.0	D8162123	D8163123	D8164123	13.8
16	6	D8161126	8.0	D8162126	D8163126	D8164126	13.8
20	3	D8201123	12.5	D8202123	D8203123	D8204123	21.6
20	6	D8201126	12.5	D8202126	D8203126	D8204126	21.6
22	3	D8221123	15.0	D8222123	D8223123	D8224123	26.0
22	6	D8221126	15.0	D8222126	D8223126	D8224126	26.0
26	3	D8261123	21.2	D8262123	D8263123	D8264123	36.7
26	6	D8261126	21.2	D8262126	D8263126	D8264126	36.7
32	3	D8321123	31.5	D8322123	D8323123	D8324123	54.5
32	6	D8321126	31.5	D8322126	D8323126	D8324126	54.5

*Other lengths and configurations available upon request.



1 LEG 2 LEG 3 LEG 4 LEG

GRADE 80 CHAIN SLINGS WITH SHORTENERS AND SAFETY HOOKS 6 - 32mm

FEATURES AND BENEFITS

- Pre-assembled for convenience
- Tested to AS3775.1 and supplied with NATA test certificates
- All fittings and components manufactured from high quality heat treated alloy steel
- Supplied with WLL tag fitted

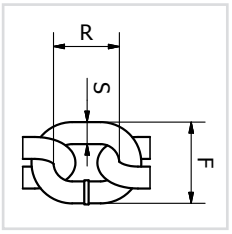
STANDARDS
Complies to AS3775.1

UOM: EACH

SIZE (mm)	LENGTH (m)	1 LEG CODE	1 LEG WLL (t)	2 LEG CODE	3 LEG CODE	4 LEG CODE	2,3,4 LEG WLL (t)
6	3	D8061113	1.1	D8062113	D8063113	D8064113	1.9
6	6	D8061116	1.1	D8062116	D8063116	D8064116	1.9
8	3	D8081113	2.0	D8082113	D8083113	D8084113	3.5
8	6	D8081116	2.0	D8082116	D8083116	D8084116	3.5
10	3	D8101113	3.2	D8102113	D8103113	D8104113	5.5
10	6	D8101116	3.2	D8102116	D8103116	D8104116	5.5
13	3	D8131113	5.3	D8132113	D8133113	D8134113	9.2
16	6	D8161116	5.3	D8162116	D8163116	D8164116	9.2
20	3	D8201113	8.0	D8202113	D8203113	D8204113	13.8
20	6	D8201116	8.0	D8202116	D8203116	D8204116	13.8
22	3	D8221113	12.5	D8222113	D8223113	D8224113	21.6
22	6	D8221116	12.5	D8222116	D8223116	D8224116	21.6
26	3	D8261113	15.0	D8262113	D8263113	D8264113	26.0
26	6	D8261116	15.0	D8262116	D8263116	D8264116	26.0
32	3	D8321113	21.2	D8322113	D8323113	D8324113	36.7
32	6	D8321116	21.2	D8322116	D8323116	D8324116	36.7
32	3	D8321123	31.5	D8322123	D8323123	D8324123	54.5
32	6	D8321126	31.5	D8322126	D8323126	D8324126	54.5

*Other lengths and configurations available upon request.

GRADE 80 CHAIN & COMPONENTS





GRADE 80 (T) LIFTING CHAIN 6mm - 32mm

FEATURES AND BENEFITS

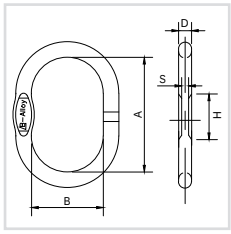
- Ideal for heavy duty lifting applications
- Manufactured from heat treated alloy steel
- High strength, versatile and low weight
- Quality testing performed throughout the manufacturing process
- Self colour chain

STANDARDS
Complies to AS2321

UOM: /METRE

CODE	WLL (t)	CHAIN SIZE (mm)	S (mm)	R (mm)	F (mm)	METRES /100kg
148006	1.1	6	6	18	22.2	115
148008	2	8	8	24	29.6	71
148010	3.2	10	10	30	37	45
148013	5.3	13	13	39	48.1	26
148016	8	16	16	48	59.2	17
148020	12.5	20	20	60	74	11
148022	16	22	22	66	81.4	9
148026	21.2	26	26	78	96.2	6
148032	31.5	32	32	96	118	4





GRADE 80 RECESSED ENLARGED MASTER LINK 8mm - 36mm

FEATURES AND BENEFITS

- Ideal for heavy duty lifting applications
- Designed for single and 2 leg applications
- High strength, versatile and low weight
- When using in chain assemblies use the WLL for relevant chain size in the chart

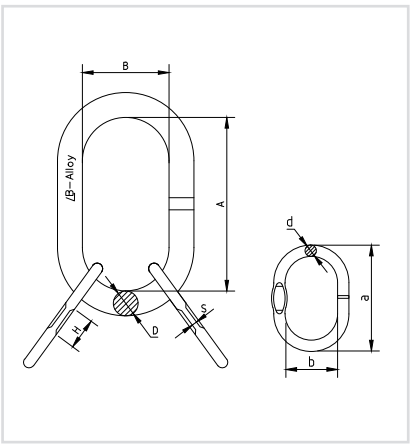
STANDARDS
Complies to AS3776

UOM: EACH

CODE	CHAIN SIZE (mm)		WLL (t)	A (mm)	B (mm)	D (mm)	S x H (mm)	APPROX WEIGHT (kg)	PACK QTY
	1LEG	2LEG							
883507A	7	6	1.9	110	60	14	7+0.5x25	0.34	35
883508A	8	7	2.6	120	70	14	7+0.5x25	0.38	30
883510A	10	8	3.5	140	80	17	8+0.5x28	0.67	20
883513A	13	10	5.5	160	95	20	11±0.5x35	1.2	10
883516A	16	13	9.2	190	110	26	14±0.5x43	2.45	8
883520A	20	16	13.8	230	130	32	17±0.5x55	4.48	3
883522A	22	20	21.6	275	150	38	-	7.5	2
883526A	26	22	26	340	180	45	-	12.8	2
883532A	32	26	36.7	350	190	50	-	16.55	2
883536A	36	32	54.5	400	200	56	-	23.28	1

Designed for Single and 2 Leg Applications.





GRADE 80 RECESSED ENLARGED MULTI-LEG OBLONG LINK 7mm - 32mm

FEATURES AND BENEFITS

- Ideal for heavy duty lifting applications
- High strength, versatile and low weight
- Designed for 2,3 & 4 leg applications
- When using in chain assemblies use the WLL for relevant chain size in the chart

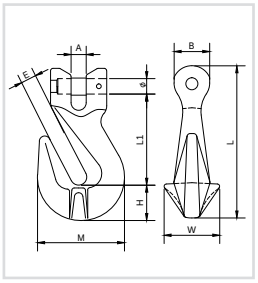
STANDARDS
Complies to AS3776

UOM: EACH

CODE	CHAIN SIZE (mm)	WLL (t)	A (mm)	B (mm)	D (mm)	a (mm)	b (mm)	d (mm)	S x H (mm)	APPROX WEIGHT (kg)	PACK QTY
883707	7	3.15	135	75	18	60	38	14	7+0.5x25	1.26	8
883708	8	4.25	160	90	22	70	34	16	8+0.5x28	2.2	8
883710	10	6.7	180	100	25	85	40	18	11±0.5x35	3.4	5
883713	13	11.2	200	110	32	115	50	22	13±0.5x43	6.1	2
883716	16	17	260	140	36	140	65	25	17±0.5x55	9.67	1
883720	19-20	26.5	350	190	50	160	90	32	18±0.5x59	23.1	1
883722	22	31.5	350	190	50	180	100	36	-	25.2	1
883726	26	45	400	203	57	180	100	40	-	35.2	1
883732	32	67	460	250	72	200	110	50	-	66	1

Designed for 2,3 and 4 Leg Applications. Please Also Note: Australian Standards only allow for 2 legs to be considered as the maximum load.





GRADE 80 CLEVIS SHORTENING GRAB HOOK 6mm - 22mm

FEATURES AND BENEFITS

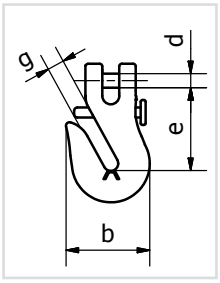
- Clevis pin for direct connection to chain without using connecting link
- Supporting lugs either side to prevent chain link deformation
- High strength, versatile and low weight

STANDARDS
Complies to AS3776

UOM: EACH

CODE	CHAIN SIZE (mm)	WLL (t)	A (mm)	E (mm)	B (mm)	H (mm)	W (mm)	L (mm)	L1 (mm)	M (mm)	Ø (mm)	APPROX WEIGHT (kg)	PACK QTY
886206	6	1.1	7.5	8	18	18	21.5	77	45	42	7.6	0.25	80
886207	7-8	2	9.5	10.5	23	20.5	33.5	89	53	52	9	0.32	50
886210	10	3.2	12.5	13	29.5	29.0	46	126	75	71	12.5	0.73	25
886213	13	5.3	15	16.5	37	45	57.5	163.5	92	95	16	1.6	10
886216	16	8	18.5	19	46	45	74	183.5	99	113	29.7	2.8	7
886220	20	12.5	23	24	52	55	74	219	123	145	24	5	4
886222	22	15.0	27	27	58	68.5	90	254	140	160	26	6.3	2





GRADE 80 CLEVIS SHORTENING GRAB HOOKS WITH SAFETY PIN 13mm - 16mm

FEATURES AND BENEFITS

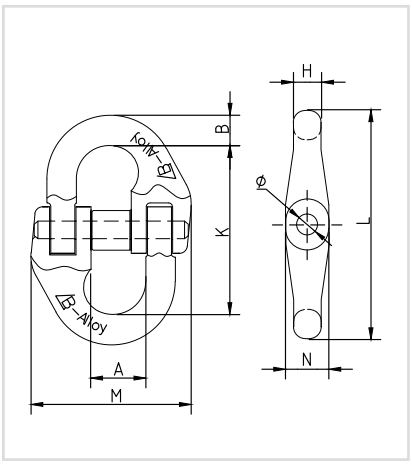
- Locking pin for additional safety
- Supporting lugs either side to prevent chain link deformation
- Clevis pin for direct connection to chain without using connecting link

STANDARDS
Complies to AS3776

UOM: EACH

CODE	CHAIN SIZE (mm)	WLL (kg)	e (mm)	b (mm)	d (mm)	g (mm)	APPROX WEIGHT (kg)	PACK QTY
886213S	13	5300	90	120	16	15	1.75	1
886216S	16	8000	105	130	20	19	2.8	1





GRADE 80 COMPONENT CONNECTOR 6mm - 32mm

FEATURES AND BENEFITS

- Ideal for heavy duty lifting applications
- Conventional style chain connector
- High strength, versatile and low weight

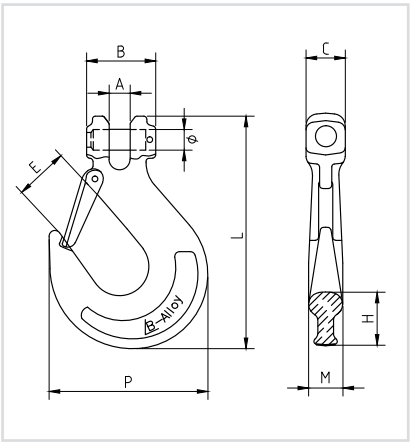
STANDARDS
Complies to AS3776

UOM: EACH

CODE	CHAIN SIZE (mm)	WLL (t)	A (mm)	B (mm)	L (mm)	K (mm)	H (mm)	M (mm)	N (mm)	Ø (mm)	APPROX WEIGHT (kg)	PACK QTY	REPLACEMENT PIN BOLT KIT
C6	6	1.1	20	7	58	44	6.3	46	11	5.3	0.08	150	894206BA
C7-C8	7-8	2	20.5	9	79.5	60.5	8.8	55	14.8	6.3	0.15	100	894208BA
C10	10	3.2	26	12	90.5	68	11.5	69	17.8	8.1	0.30	60	894210BA
C13	13	5.3	30	15	117	87	15	86.6	25	10.3	0.63	30	894213BA
C16	16	8	35	19.8	148	108.4	19.8	103	30	12.3	1.15	20	894216BA
C20	20	12.5	41.8	24	169.5	121.5	22	120	34	15.3	2.1	10	894220BA
C22	22	15	49.5	26	193.5	141.5	26	147	40	17.3	3.1	6	894222BA
C26	26	21.2	58	31	220	158	30	174	44	20.5	4.5	4	894226BA
C32	32	31.5	67.5	38	281	205	37	214	56	24.5	8.21	2	894232BA

GRADE 80 COMPONENTS





GRADE 80 CLEVIS SLING HOOK WITH SAFETY LATCH 6mm - 22mm

FEATURES AND BENEFITS

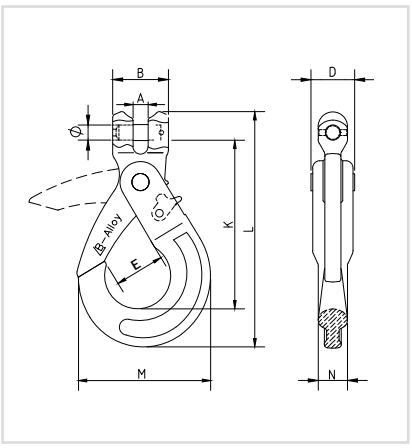
- Ideal for heavy duty lifting applications
- Safety latch to minimise risk of damage
- High strength, versatile and low weight
- Clevis pin for direct connection to chain without using connecting link

STANDARDS
Complies to AS3776

UOM: EACH

CODE	CHAIN SIZE (mm)	WLL (t)	A (mm)	B (mm)	C (mm)	H (mm)	L (mm)	E (mm)	N (mm)	M (mm)	Ø (mm)	P (mm)	APPROX WEIGHT (kg)	PACK QTY	REPLACEMENT TRIGGER KIT
885106	6	1.1	8	32	18.5	20	110	23.5	10	14	7.6	76.5	0.32	50	895106BA
885107	7-8	2	9.5	37	21	25	128	22	12	18	9	84	0.53	30	895107BA
885110	10	3.2	12.5	49	29	31	158	30	16	23	12.7	103	0.98	20	895110BA
885113	13	5.3	16.5	55.5	33	42.5	198.3	37.5	15	27.5	16	130	1.81	10	895113BA
885116	16	8	21.5	70.5	40	54	234	46.5	24	35	21	160	3.54	6	895116BA
885120	20	12.5	24	77	43	58	276	55	32	42	24	185	5.82	2	895120BA
885122	22	15	25	91	48	62	320	66	36	50	26	226	9.17	2	895122BA





GRADE 80 CLEVIS SELF LOCKING HOOK SAFETY HOOK 6mm - 26mm

FEATURES AND BENEFITS

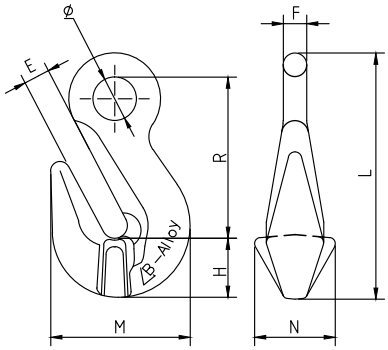
- Self locking when hook is under load
- Ideal for heavy duty lifting applications
- Clevis pin for direct connection to chain without using connecting link

STANDARDS
Complies to AS3776

UOM: EACH

CODE	CHAIN SIZE (mm)	WLL (t)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	K (mm)	L (mm)	N (mm)	M (mm)	H (mm)	Ø (mm)	APPROX WEIGHT (kg)	PACK QTY	REPLACEMENT TRIGGER KIT
886406Y	6	1.1	8	32	30	25	28	96	134	15	70	20	7.6	0.44	40	896506
886407Y	7-8	2	9.5	38.5	40	28	35	119	161.8	20	88	26	9	0.88	25	896508
886410Y	10	3.2	12.5	46	48	33	45	142	195	26	108	30	13	0.139	14	896510
886413Y	13	5.3	15	59	57	37	52.5	149	249	33	134	40	16	2.81	6	896513
886416Y	16	8	18.5	77	65	56	62	224.8	310	38	168.6	50.5	20	6	3	896516
886420Y	20	12.5	24	81	83	60	85	238	35	50	188	55	24	7.25	2	896520
886422Y	22	15	25	97.5	80	66	76	277	392	52	202	67	28	12.8	2	896522
886426Y	26	21.2	30	118	109	76	96	312	449	60	244	75	33	21.8	1	896526





GRADE 80 EYE SHORTENING GRAB HOOK 6mm - 32mm

FEATURES AND BENEFITS

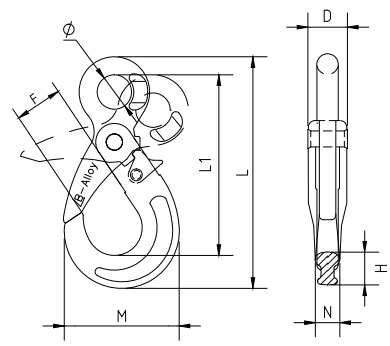
- Ideal for shortening chain length
- Supporting lugs either side to prevent chain link deformation
- High strength, versatile and low weight

STANDARDS
Complies to AS3776

UOM: EACH

CODE	CHAIN SIZE (mm)	WLL (t)	E (mm)	F (mm)	Ø (mm)	R (mm)	L (mm)	H (mm)	M (mm)	N (mm)	APPROX WEIGHT (kg)	PACK QTY
885306	6	1.1	8	8	14.5	46.8	73	18	45	21.5	0.14	100
885307	7-8	2	11	9.5	17.5	61.5	93	21.5	53	30.5	0.3	80
885310	10	3.2	13	14	20.5	79.8	122	29	71	47	0.65	30
885313	13	5.3	16.5	15.5	26	99.7	158	42.5	96	57.5	1.34	15
885316	16	8	19	19	30.5	106	169	44.5	113	72	2.1	8
885320	20	12.5	24	23	37.5	140	219	55	145	74	4	5
885322	22	15	28	26	44	165	259	68	160	90	6.9	3





GRADE 80 EYE SELF LOCKING SAFETY HOOK 6mm - 32mm

FEATURES AND BENEFITS

- Self locking when hook is under load
- Ideal for heavy duty lifting applications
- High strength, versatile and low weight

STANDARDS
Complies to AS3776

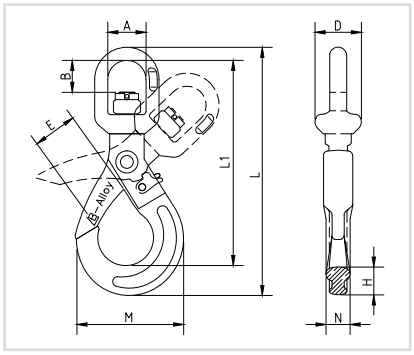
UOM: EACH

CODE	CHAIN SIZE (mm)	WLL (t)	D (mm)	Ø (mm)	E (mm)	F (mm)	L1 (mm)	L (mm)	H (mm)	M (mm)	N (mm)	APPROX WEIGHT (kg)	PACK QTY	REPLACEMENT TRIGGER KIT
885706Y	6	1.1	25	21	30	28	110	141	20	70	15	0.5	40	896506
885707Y	7-8	2	28	25	40	35	136	175	26	8	20	0.88	25	896508
885710Y	10	3.2	33	34.5	48	45	168	214	30	108	26	1.58	14	896510
885713Y	13	5.3	37	40	57	52.5	207	268	40	134	33	3.0	6	896513
885716Y	16	8	56	50	65	63.3	254	332	50.5	168.6	38	5.9	3	896516
885720Y	20	12.5	60	64.5	83	85	278	360	55	188	50	8.2	2	896520
885722Y	22	15	66	70	80	76	319	415	67	202	52	12.3	2	896522
885726Y	26	21.2	76	80	101	96	362	472	75	244	60	18	1	885726YK
885732Y	32	31.5	100	105	135	133	470	614	97	334	79.5	46	1	885732YK

GRADE 80 COMPONENTS

GRADE 80 EYE SWIVEL SELF LOCKING HOOK 6mm - 20mm





FEATURES AND BENEFITS

- Safety latch minimises risk of damage
- Swivel rotation under load, reducing sling twist
- High strength, versatile and low weight

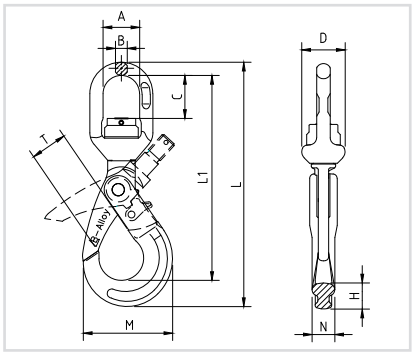
STANDARDS
Complies to AS3776

UOM: EACH

CODE	CHAIN SIZE (mm)	WLL (t)	A (mm)	B (mm)	E (mm)	L1 (mm)	L (mm)	M (mm)	D (mm)	H (mm)	N (mm)	APPROX WEIGHT (kg)	PACK QTY	REPLACEMENT TRIGGER KIT
886507	7-8	2	36	29.5	35	189	228	88	45	26	20	1.15	15	896508
886510	10	3.2	42	35	45	224	270	108	50	30	26	1.87	8	896510
886513	13	5.3	50	41	52.5	267	324	134	54	40	33	3.51	5	896513
886516	16	8	61	56.8	62	339	411	168.6	74	50.5	38	7.33	3	896516
886520	20	12.5	72	63	85	370	453	188	78	55	50	10.3	2	896520

GRADE 80 EYE SWIVEL SELF LOCKING HOOK WITH BALL BEARING 6mm - 20mm





FEATURES AND BENEFITS

- Self locking when hook is under load
- Ball bearing swivel allows load to be easily rotated
- High strength, versatile and Low weight

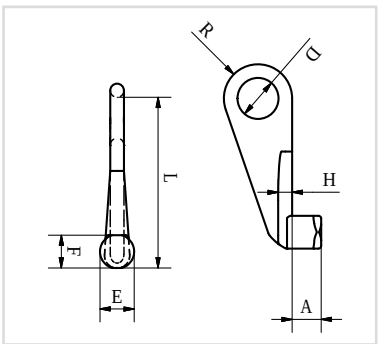
STANDARDS
Complies to AS3776

UOM: EACH

CODE	CHAIN SIZE (mm)	WLL (t)	A (mm)	B (mm)	C (mm)	D (mm)	L1 (mm)	L (mm)	T (mm)	H (mm)	M (mm)	N (mm)	APPROX WEIGHT (kg)	PACK QTY	REPLACEMENT LATCH KIT
886606	6	1.1	32.5	11.5	35.5	40	160	196	28	19.5	70	15	0.71	20	896606
886607	7-8	2	36	13	40	45	202	240	35	26	88	20	1.1	12	896607
886610	10	3.2	42	15.5	50	50	234	281	45	29.5	108	26	2	8	896610
886613	13	5.3	50	17	58	56	289	348	52.5	40	134	33	4	4	896613
886616	16	8	61	21.5	58	74	344	420	62	50	168.6	38	7.3	2	896616
886620	20	12.5	76	26.5	73	90	395	479	85	56	190	50	11.6	1	896620

GRADE 80 EYE CONTAINER HOOK LEFT 45° & RIGHT 45°





FEATURES AND BENEFITS

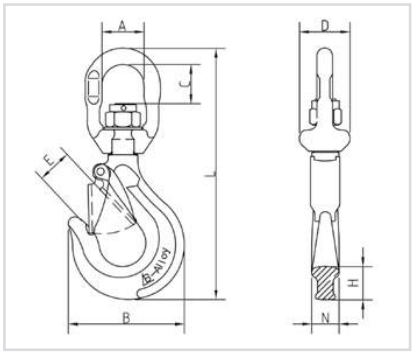
- Approved for container lifting as part of an assembly
- High strength, versatile and Low weight
- Left & right 45° type for lifting with an angle

UOM: EACH

CODE	DSC	WLL (t)	A (mm)	R (mm)	D (mm)	h (mm)	F (mm)	E (mm)	L (mm)	APPROX WEIGHT (kg)	PACK QTY
886845L	Left 45°	12.5	46	60	70	25	75	48	240	4	2
886845R	Right 45°	12.5	46	60	70	25	75	48	240	4	2

GRADE 80 EYE SWIVEL HOOK WITH SAFETY LATCH





FEATURES AND BENEFITS

- Self locking when hook is under load
- Ball bearing swivel allows load to be easily rotated
- High strength, versatile and Low weight

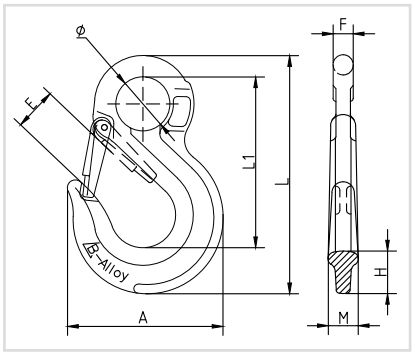
STANDARDS
Complies to AS3776

UOM: EACH

CODE	CHAIN SIZE (mm)	WLL (t)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	H (mm)	N (mm)	L (mm)	APPROX WEIGHT (kg)	PACK QTY	REPLACEMENT LATCH KIT
885407	7-8	2	36	88.5	25	45	27	23.5	20	190	0.85	15	895407
885410	10	3.2	42	104.5	34	50	32	29.5	23	233	1.54	10	895410
885413	13	5.3	49	135	41	67	40	38	32	291.5	3.19	4	895413
885416	16	8	61	161	53	74	45	45.4	37.5	352	5.23	3	895416

GRADE 80 EYE SLING HOOK WITH SAFETY LATCH





FEATURES AND BENEFITS

- Safety latch to minimise risk of damage
- Ideal for shortening chain length
- Supporting lugs either side to prevent chain link deformation
- High strength, versatile and low weight

STANDARDS
Complies to AS3776

UOM: EACH

CODE	CHAIN SIZE (mm)	WLL (t)	A (mm)	Ø (mm)	E (mm)	F (mm)	L1 (mm)	L (mm)	H (mm)	M (mm)	APPROX WEIGHT (kg)	PACK QTY	REPLACEMENT LATCH KIT
885806	6	1.1	41	20	20.5	9	80	108	19	13.5	0.24	50	895806BA
885807	7-8	2	49.5	25	26	11	98.5	133	23	17	0.4	40	895807BA
885810	10	3.2	71	38	26	15	120	167	32	22	0.9	20	895810BA
885813	13	5.3	85.5	43	37	19	152	213	42.5	26	1.94	9	895813BA
885816	16	8	98	50	40	23	183.5	255	48	34	2.89	6	895816BA
885820	20	12.5	121.5	63	43	24	221	304	58.5	42	5.7	3	895820BA
885822	22	15	133	62	68	32	241	348	75.5	44	9.2	2	895822BA
885826	26	21.2	139	64	83	35	279	394	80.5	60	13	2	895826BA
885832	32	31.5	169	88	100	37	355	480	88	66	20	2	895832BA



GRADE 100 CHAIN SLINGS

BV-100 GRADE 100 CHAIN

FEATURES

- 25% higher load capacity than Grade 80
- 30% weight saving over Grade 80
- Superior resistance to wear due to unique heat treatment.

BV-100 LIFTING CHAIN

Our BV-100 Grade 100 chain is tested in accordance with Australian Standard AS2321.

- Rugged, versatile, high strength and low-weight
- BV-100 Grade 100 Chain carries the mark “10” stamped on every link along its entire length for easy identification
- Sizes available from 6-26mm.

BV-100 LIFTING FITTINGS

BV-100 complies to AS3776 Lifting components for Grade T(80) and V(100) chain slings.

BV-100 LIFTING CHAIN SLINGS

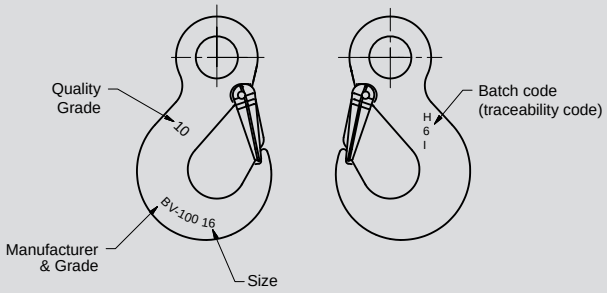
Bunzl Safety can provide all inclusive pre-made chain slings complete with shorteners and hooks for your convenience. The length of each chain leg can be altered by using the shortener.

FEATURES

- Superior resistance to wear
- Pre-made for convenience
- Complete with shorteners
- 25% higher load capacity over Grade 80
- 30% weight saving over Grade 80
- BV-100 Grade 100 chain meets and exceeds the requirements of ASTM A973/A973m-01 and EN818-2
- All fittings meet EN1677
- BV-100 G100 Chain slings Complies to AS 3775.1

BV-100 GRADE 100 MARKINGS

Sizes available: 6mm - 26mm.





*than Grade 80

WORKING LOAD LIMITS GRADE 100

WORKING LOAD LIMIT (W.L.L.) IN TONNES UNDER GENERAL CONDITIONS OF USE

	SINGLE LEG SLINGS				SLINGS OF 2,3 OR 4 LEG SLINGS			2 LEG SLINGS	
CHAIN SIZE (mm)	STRAIGHT SLING	ADJUSTABLE SLING W/DERATION	REEVED SLING	BASKET SLING MAX 60°	STRAIGHT SLING			REEVED SLING MAX 60°	BASKET SLING MAX 60°
					60°	90°	120°		
LOADING FACTOR	1	0.75	0.75	1.3	1.73	1.41	1	1.3	2.25
6	1.4	1.4	1.1	1.8	2.4	2.0	1.4	1.8	3.2
8	2.5	2.5	1.9	3.3	4.3	3.5	2.5	3.3	5.6
10	4.0	4.0	3.0	5.2	6.9	5.6	4.0	5.2	9.0
13	6.7	6.7	5.0	8.7	11.6	9.4	6.7	8.7	15.1
16	10.0	10.0	7.5	13.0	17.3	14.1	10.0	13.0	22.5
20	16.0	16.0	12.0	20.8	27.7	22.6	16.0	20.8	36.0
22	19.0	19.0	14.3	24.7	32.9	26.8	19.0	24.7	42.8
26	26.5	26.5	19.9	34.5	45.8	37.4	26.5	34.5	59.6
32	40.0	40.0	30.0	52.0	69.2	56.4	40.0	52.0	90.0

***On adjustable slings, some grab shortening hooks may derate the W.L.L by 25%. Advice should be sought from the manufacturer.**



2 LEG

GRADE 100 CHAIN SLING WITH SHORTENER & SELF LOCKING HOOKS 8 - 22mm

FEATURES AND BENEFITS

- Pre-made for convenience
- Tested to AS3775.1 and supplied with NATA Certificates
- High strength, versatile and low weight
- 25% higher load capacity than Grade 80
- 30% weight saving over Grade 80

STANDARDS
Complies to AS3775.1

UOM: EACH

SIZE (mm)	LENGTH (m)	1 LEG CODE	1 LEG WLL (t)	2 LEG CODE	2,3,4 LEG WLL (t)
8	3	Special Order	2.5	Special Order	4.3
8	6	Special Order	2.5	Special Order	4.3
10	3	Special Order	4.0	Special Order	6.9
10	6	Special Order	4.0	Special Order	6.9
13	3	Special Order	6.7	Special Order	11.5
13	6	Special Order	6.7	Special Order	11.5
16	3	Special Order	10.0	Special Order	17.3
16	6	Special Order	10.0	Special Order	17.3
20	3	Special Order	16.0	Special Order	27.7
20	6	Special Order	16.0	Special Order	27.7
22	3	Special Order	19.0	Special Order	32.9
22	6	Special Order	19.0	Special Order	32.9

Note: Larger chain sizes may be available upon request.

GRADE 100 CHAIN SLINGS



GRADE 100 CHAIN SLING WITH SHORTENER & SAFETY LATCH HOOKS 8 - 22mm

FEATURES AND BENEFITS

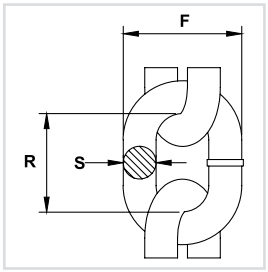
- Pre-made are supplied with supplied with NATA Certificates
- High strength, versatile and low weight
- 25% higher load capacity than Grade 80
- 30% weight saving over Grade 80

STANDARDS
Complies to AS3775.1

UOM: EACH

SIZE (mm)	LENGTH (m)	1 LEG CODE	1 LEG WLL (t)	2 LEG CODE	2,3,4 LEG WLL (t)
8	3	Special Order	2.5	Special Order	4.3
8	6	Special Order	2.5	Special Order	4.3
10	3	Special Order	4.0	Special Order	6.9
10	6	Special Order	4.0	Special Order	6.9
13	3	Special Order	6.7	Special Order	11.5
13	6	Special Order	6.7	Special Order	11.5
16	3	Special Order	10.0	Special Order	17.3
16	6	Special Order	10.0	Special Order	17.3
20	3	Special Order	16.0	Special Order	27.7
20	6	Special Order	16.0	Special Order	27.7
22	3	Special Order	19.0	Special Order	32.9
22	6	Special Order	19.0	Special Order	32.9

Note: Larger chain sizes may be available upon request.



BV-100 GRADE 100 CHAIN 8mm - 22mm

FEATURES AND BENEFITS

- Superior resistance to wear due to heat treatment
- High strength, versatile and low weight
- 25% higher load capacity than Grade 80
- 30% weight saving over Grade 80
- Blue electrophoresis surface treatment
- Self-lubricating for future oil-free maintenance



STANDARDS
Complies to AS2321

UOM: /METRE

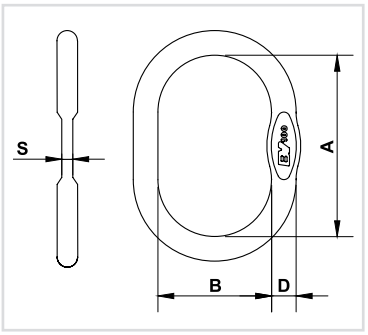
CODE	WLL (kg)	SIZE (mm)	S (mm)	R (mm)	F (mm)	WEIGHT (kg/m)	FINISH	METRES / 100kg	METRES / 500kg DRUM
CHAINBV100008MM	2500	8	8.2	24	27.5	1.49	Blue Painted	70	350
CHAINBV100010MM	4000	10	10.2	30	34.5	2.30	Blue Painted	50	250
CHAINBV100013MM	6700	13	13.2	39	45	3.87	Blue Painted	26	130
CHAINBV100016MM	10000	16	16.2	48	55.5	5.71	Blue Painted	20	100
CHAINBV100020MM	16000	20	20.2	60	68	8.82	Blue Painted	12	60
CHAINBV100022MM	19000	22	22	66	73.5	10.39	Blue Painted	10	50

Designed for Single 2, 3 & 4 Leg Applications



GRADE 100 COMPONENTS





GRADE 100 SINGLE MASTER LINK 8mm - 26mm

FEATURES AND BENEFITS

- When used in chain sling assemblies refer to the WLL Chart for relevant chain size
- Suitable for 1 & 2 leg chain assemblies

STANDARDS
Complies to AS3776

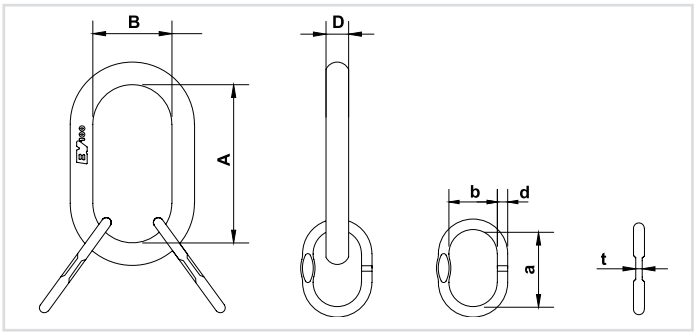
UOM: EACH

CODE	CHAIN SIZE (mm)		WLL (kg)	A (mm)	B (mm)	D (mm)	S (mm)	APPROX WEIGHT (kg)	PACK QTY
	1LEG	2LEG							
LINKSBV100008MM	8	7	3300	140	80	17	8	0.4	20
LINKSBV100010MM	10	8	4300	140	80	17	8	0.7	20
LINKSBV100013MM	13	10	6900	160	95	22	11	1.5	10
LINKSBV100016MM	16	13	11600	180	100	27	14	2.5	6
LINKSBV100020MM	19	16	17300	240	140	32	17	5.1	3
LINKSBV100022MM	22	19	27700	250	150	38	21	7.2	2
LINKSBV100026MM	26	22	32900	340	180	45	27	12.8	2

Designed for Single & 2 Leg Applications







GRADE 100 MULTI MASTER LINK 8mm - 22mm

FEATURES AND BENEFITS

- When used in chain sling assemblies refer to the WLL Chart for relevant chain size
- Suitable for 2, 3 & 4 chain assemblies

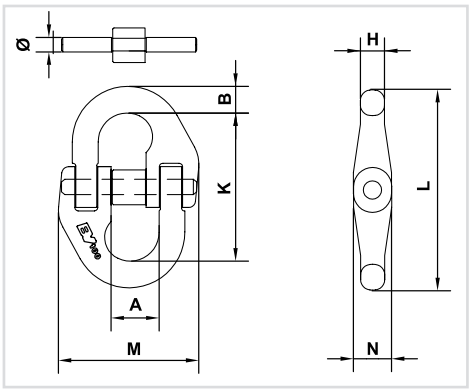
STANDARDS
Complies to AS3776

UOM: EACH

CODE	CHAIN SIZE (mm)	WLL (kg)	A (mm)	B (mm)	D (mm)	a (mm)	b (mm)	d (mm)	t (mm)	APPROX WEIGHT (kg)	PACK QTY
LINKMBV100008MM	8	4300	160	90	22	70	34	16	8	2.19	8
LINKMBV100010MM	10	6900	180	100	27	85	40	18	11	3.6	5
LINKMBV100013MM	13	11600	200	110	33	115	50	22	13	6.35	2
LINKMBV100016MM	16	17300	260	140	36	140	65	28	17	10.61	1
LINKMBV100020MM	20	27700	350	190	50	160	90	32	18	23.67	1
LINKMBV100022MM	22	32900	350	190	50	180	100	36	-	26	1

Designed for 2, 3 & 4 Leg Applications





GRADE 100 CONNECTORS 8mm - 22mm

FEATURES AND BENEFITS

- Conventional style connecting link to Grade 100 chain
- Increased WLL compared to Grade 80
- Suitable for lifting applications

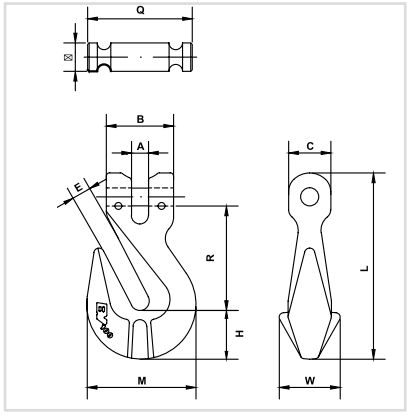
STANDARDS
Complies to AS3776

UOM: EACH

CODE	CHAIN SIZE (mm)	WLL (kg)	A (mm)	B (mm)	L (mm)	K (mm)	H (mm)	M (mm)	N (mm)	Ø (mm)	APPROX WEIGHT (kg)	PACK QTY
CONNTBV100008MM	8	2500	18.5	10.5	84	63	10	54	14	6.2	0.18	100
CONNTBV100010MM	10	4000	23	12.6	97	71	12.6	67	18	8	0.34	50
CONNTBV100013MM	13	6700	28	16.5	126	92.5	16.5	83	23	10.2	0.68	30
CONNTBV100016MM	16	10000	33.5	20	148	106.5	20	103	30	12.5	1.22	20
CONNTBV100020MM	20	16000	42	25	175	123	25	120	35.5	16	2.13	10
CONNTBV100022MM	22	19000	48	27	193	137.5	27	142	39	18	3	6

GRADE 100 COMPONENTS





GRADE 100 CLEVIS SHORTENING GRAB HOOKS 6mm - 22mm

FEATURES AND BENEFITS

- Ideal for shortening chain length
- Supporting lugs either side to prevent chain link deformation
- High strength, versatile and low weight

STANDARDS
Complies to AS3776

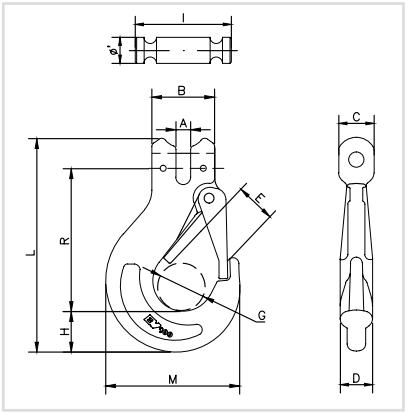
UOM: EACH

CODE	CHAIN SIZE (mm)	WLL (kg)	A (mm)	B (mm)	C (mm)	E (mm)	H (mm)	M (mm)	W (mm)	L (mm)	R (mm)	Ø (mm)	Q (mm)	APPROX WEIGHT (kg)	PACK QTY
HKCGRBV10006MM	6	1400	8	32	18	8	18	46.5	25.5	77	44.5	7.6	30	0.22	100
HKCGRBV10008MM	8	2500	9.5	36	24	11	22	54	33.5	93	53	9.8	34	0.34	60
HKCGRBV100010MM	10	4000	12.5	46	29.5	13.5	31	72	42	127	73	13	44	0.82	25
HKCGRBV100013MM	13	6700	15	59	37	17	42.5	96	53.5	166	92	15.8	57	1.75	12
HKCGRBV100016MM	16	10000	18.5	70	46	19	48	115	74	188	103	19.5	68	2.88	6
HKCGRBV100020MM	20	16000	24	85	52	25	56	145	87	223	123	24.0	83	4.84	4
HKCGRBV100022MM	22	19000	26	100	61	27	68.5	160	90	260	141	28.0	97	8.30	2

No Deration







GRADE 100 CLEVIS SLING HOOKS WITH LATCH 8mm - 22mm

FEATURES AND BENEFITS

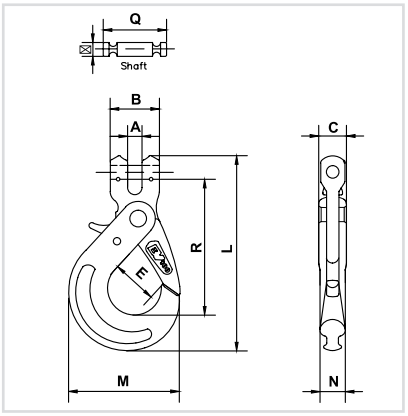
- Ideal for heavy duty lifting applications
- Safety latch to minimise the risk of damage
- High strength, versatile and low weight
- Clevis pin for direct connection to chain without using connecting link

STANDARDS
Complies to AS3776

UOM: EACH

CODE	CHAIN SIZE (mm)	WLL (kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	H (mm)	M (mm)	R (mm)	L (mm)	G (mm)	I (mm)	Ø (mm)	APPROX WEIGHT (kg)	PACK QTY
HKCSHBV100008MM	8	2500	9.5	37	23	17	23	27.5	88	88.5	134	24	34	9.8	0.6	25
HKCSHBV100010MM	10	4000	12.5	48	29.5	24	29	32	102	105	160	30	46	13	1.3	15
HKCSHBV100013MM	13	6700	15.0	59	37	34	38	42	134	132	203	40	57	15.8	2.3	9
HKCSHBV100016MM	16	10000	18.5	70	46	38	46	50	160.5	161	248	50	88	19.5	3.6	6
HKCSHBV100020MM	20	16000	24	85	52	48	50	56	190.5	197	297	53	83	24	7.3	2
HKCSHBV100022MM	22	19000	26	100	61	50	65	62	214.5	214	326	68	97	28	12.1	2





GRADE 100 CLEVIS SELF LOCKING HOOK 8mm - 22mm

FEATURES AND BENEFITS

- Self locking when hook is under load
- Ideal for heavy duty lifting applications
- Clevis pin for direct connection to chain without using connecting link

STANDARDS
Complies to AS3776

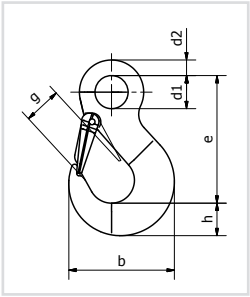
UOM: EACH

CODE	CHAIN SIZE (mm)	WLL (kg)	A (mm)	B (mm)	C (mm)	F (mm)	E (mm)	R (mm)	M (mm)	N (mm)	L (mm)	APPROX WEIGHT (kg)	PACK QTY	REPLACEMENT TRIGGER KIT
HKCSLBV100008MM	8	2500	36	28	36	121	90	20	163	34	9.8	0.9	25	RSLKBV1008MM
HKCSLBV100010MM	10	4000	46	33	45	144	108	26	194	44	13	1.4	14	RSLKBV10010MM
HKCSLBV100013MM	13	6700	59	37	53.5	182	137	32.5	250	57	15.8	2.9	6	RSLKBV10013MM
HKCSLBV100016MM	16	10000	70	56	61	220	170	38	303	68	19.5	5.5	3	RSLKBV10016MM
HKCSLBV100020MM	20	16000	25	85	60	80	76.5	235	190	50	337	8.6	2	-
HKCSLBV100022MM	22	19000	25.5	98	66	104	80	271	202	52	386	12.1	2	-

GRADE 100 COMPONENTS

GRADE 100 EYE SLING HOOK WITH LATCH 8mm - 20mm





FEATURES AND BENEFITS

- Ideal for shortening chain length
- Supporting lugs either side to prevent chain link deformation
- High strength, versatile and low weight

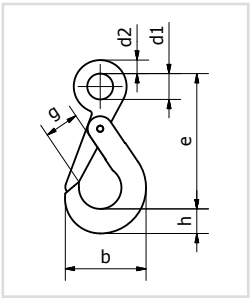
STANDARDS
Complies to AS3776

UOM: EACH

CODE	CHAIN SIZE (mm)	WLL (kg)	e (mm)	h (mm)	d1 (mm)	d2 (mm)	g (mm)	b (mm)	APPROX WEIGHT (kg)	PACK QTY	REPLACEMENT LATCH KIT
HKESFBV100008MM	7-8	2500	106	27	25	11	26	88	0.5	30	SFGW7/8
HKESFBV100010MM	10	4000	131	33	34	16	31	109	1.1	18	SFGW10
HKESFBV100013MM	13	6700	164	44	43	19	39	134	2.2	10	SFGW13
HKESFBV100016MM	16	10000	183	50	50	25	45	155	3.5	5	SFGW16
HKESFBV100020MM	20	16000	205	55	55	27	53	178	5.8	3	SFGW20

GRADE 100 EYE SELF LOCKING HOOK 8mm - 22mm





FEATURES AND BENEFITS

- Self locking when hook is under load
- Ideal for heavy duty lifting applications

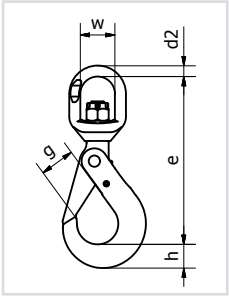
STANDARDS
Complies to AS3776

UOM: EACH

CODE	CHAIN SIZE (mm)	WLL (kg)	e (mm)	h (mm)	b (mm)	d1 (mm)	d2 (mm)	g (mm)	APPROX WEIGHT (kg)	PACK QTY	REPLACEMENT LATCH KIT
HKESLBV10008MM	7-8	2500	136	26	88	25	12	34	0.9	25	VLHW7/8
HKESLBV10010MM	10	4000	169	30	107	35	15	45	1.5	12	VLHW10
HKESLBV100013MM	13	6700	205	40	138	40	20	52	2.7	8	VLHW13
HKESLBV100016MM	16	10000	251	50	168	50	27	60	5.7	4	VLHW16
HKESLBV100020MM	20	16000	290	62	194	60	30	70	9.8	3	VLHW19-20
HKESLBV100022MM	22	19000	322	65	211	70	32	81	12.4	1	VLHW22

GRADE 100 EYE SWIVEL SELF LOCKING HOOK 8mm - 16mm





FEATURES AND BENEFITS

- Self locking when hook is under load
- Swivel rotation under load
- High strength, versatile and low weight

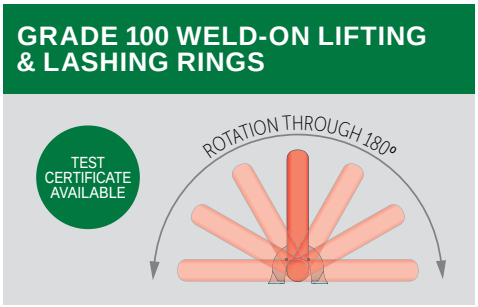
STANDARDS
Complies to AS3776

UOM: EACH

CODE	CHAIN SIZE (mm)	WLL (kg)	d2 (mm)	c (mm)	h (mm)	g (mm)	w (mm)	APPROX WEIGHT (kg)	PACK QTY	REPLACEMENT LATCH KIT
HKESWBV100006MM	6	1400	13	160	20	28	35	0.6	20	VLHW7/8
HKESWBV100008MM	8	2500	13	181	26	34	35	1.1	15	VLHW10
HKESWBV100010MM	10	4000	16	218	30	45	42	2	8	VLHW13
HKESWBV100013MM	13	6700	20	269	40	52	49	4	6	VLHW16
HKESWBV100016MM	16	10000	24	319	50	60	60	6.8	2	VLHW19-20



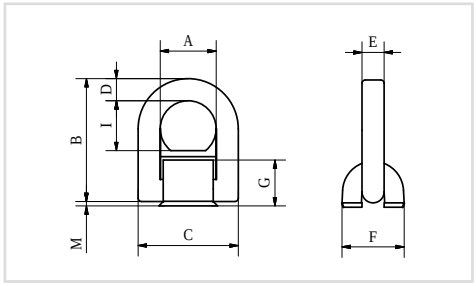
GRADE 100 WELD-ON LIFTING & LASHING RINGS



GRADE 100 WELD-ON LIFTING POINTS 1.5t - 16t

FEATURES AND BENEFITS

- Grade 100 Quality Alloy Steel, quenched and tempered
- Offers a full working load limit at all angles
- Extremely high strength attachment
- Lifting ring and welding block are both marked for accurate traceability
- Easily welded into required position with the aid of height lugs on the weld block
- Lifting ring has durable powder coated baked enamel finish
- Suitable for mining, offshore exploration, road or rail transport and maritime industries



STANDARDS
Complies to AS3776

UOM: EACH

CODE	WLL TONNES (kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	I (mm)	M (mm)	WELD (mm) HV+AL	WEIGHT (kg)
BALPV015	1500	38	79	66	14	13.5	32	25	31	2	HV5+3	0.40
BALPV025	2500	45	92.5	77	16	13.5	36	27	38	3.5	HV7+3	0.60
BALPV040	4000	51	102	87	18	16.5	42	32	40.5	2	HV8+3	0.90
BALPV067	6700	67	138	115	24	22.5	61	44	55	4	HV12+4	2.0
BALPV100	10000	67.5	142	129	26.5	57.5	75	53	57.5	4	HV16+4	3.0
BALPV160	16000	100	216.4	190	40	26	95	69	85	5	HV25+6	6.9



GRADE 100 CHAIN SLINGS

GRABIQ GRADE 100 CHAIN SLINGS

GrabiQ all-inclusive chain slings are ideal for coupling, shortening and lifting in Grade 100.

The components are made from special quenched and tempered alloy steel, a guarantee for very high strength, low weight, high wear resistance and long life.

All lifting components are uniformly marked with equivalent chain size, grade, manufacturer's designation and name for positive identification.



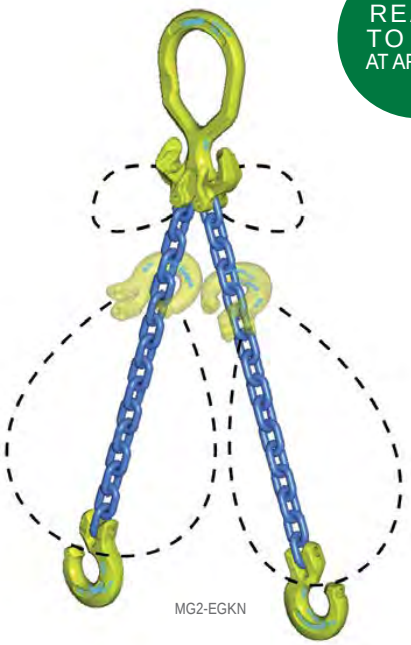
GUNNEBO Industries GrabIQ™



MG1-GBK



MG2-EGKN



MG2-EGKN

READY TO USE AT ARRIVAL

PRE-ASSEMBLED CHAIN SLING 6mm - 10mm

FEATURES AND BENEFITS

- Pre assembled chain Sling in a box
- 25% higher WLL than Grade 80 chain slings

STANDARDS
Complies to AS3775.1

UOM: EACH

CODE	WLL (t)	LENGTH (m)	CHOKED WLL	WEIGHT (kg)
MG1-GBK-6-10	1.5	2	-	4.1
MG1-GBK-8-10	2.6	3	-	6.4
MG1-GBK-10-10	4.0	3	-	10.1
MG1-EGKN-6-10	1.5	2	-	2.8
MG1-EGKN-8-10	2.6	3	-	6
MG1-EGKN-10-10	4.0	3	-	9.7
MG2-EGKN-6-10	2.1	2	-	7.1
MG2-EGKN-8-10	3.5	3	-	11.7
MG2-EGKN-10-10	5.6	3	-	17.6
MG2-GBK-6-10	2.1	2	-	7.3
MG2-GBK-8-10	3.5	3	-	12.3
MG2-GBK-10-10	5.6	3	-	18.9
MG2-CL-6 -10	2.1	6	1.6	12.4
MG2-CL-8-10	3.5	6	2.7	21.8
MG2-CL-10-10	5.6	6	4.4	34.9

GUNNEBO Industries GrabIQ

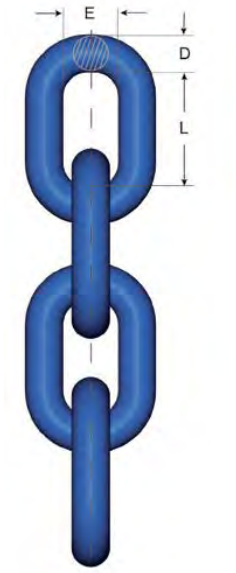
GRABIQ GRADE 100 CHAIN

FEATURES AND BENEFITS

- Ideal for heavy duty lifting applications
- 25% stronger than Grade 80 equivalent
- Quality testing is done throughout the manufacturing process

STANDARDS
Complies to AS2321

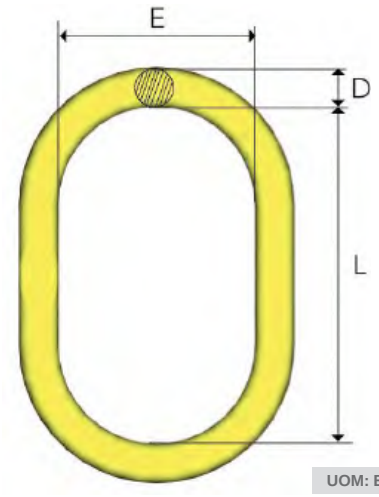
UOM: /METRE



CODE	LENGTH	WLL (t)	D NOM (mm)	L (mm)	E (mm)	WEIGHT (kg/m)	MPF kN	BREAKING FORCE kN
CHAINGQ10006MM	1 x 200 m	1.5	6	18	8.5	0.8	36.8	58.9
CHAINGQ10008MM	1 x 200 m	2.6	8	24	1.4	1.4	63	102
CHAINGQ10010MM	1 x 100 m	4.0	10	30	2.3	2.3	98	158
CHAINGQ10013MM	1 x 100 m	6.8	13	39	3.8	3.8	166	268
CHAINGQ10016MM	1 x 100 m	10.3	16	48	5.6	5.6	251	402
CHAINGQ10020MM	1 x 50 m	16.0	20	60	9.4	9.4	393	630
CHAINGQ10022MM	1 x 50 m	20.0	22	66	11.9	11.9	491	785
CHAINGQ10026MM	1 x 50 m	27.0	26	78	16.4	16.4	664	1062
CHAINGQ10032MM	1 x 25 m	40.0	32	96	25.8	25.8	981	1610



GUNNEBO Industries GrabIQ



GRADE 100 MASTER LINK MF

FEATURES AND BENEFITS

- For 1-, 2-, 3- and 4-leg slings. Designed for use with CL, CLD, CG and CGD
- 3 and 4 leg chain slings require CLD / CGD

STANDARDS
Complies to AS3776

UOM: EACH

CODE	WLL (t) (SF 5:1)		FOR CHAIN SIZE (mm)			DIMENSIONS (mm)			WEIGHT (kg)
			1 LEG	2 LEG	3-4 LEG	L	E	D	
MF-6-10	1.5	1.5	6			100	60	11	0.2
MF-86-10	2.5	3.2	6, 8	6	-	125	70	14	0.4
MF-108-10	4.0	5.2	10	8	6	140	80	17	0.8
MF-1310-10	7.5	8.0	13	10	8	160	95	22	1.5
MF-1613-10	10.0	13.6	16	13	10	190	110	28	2.8
MF-2016-10	17.0	20.6	20	16	13	240	140	34	5.2
MF-2220-10	25.0	30.9	22	20	16	250	150	40	7.3

Fulfills requirements in: EN 1677 (WLL +25%), ASTM A952/A952M, AS3775.1 and AS 3776.

GUNNEBO Industries GrabIQ

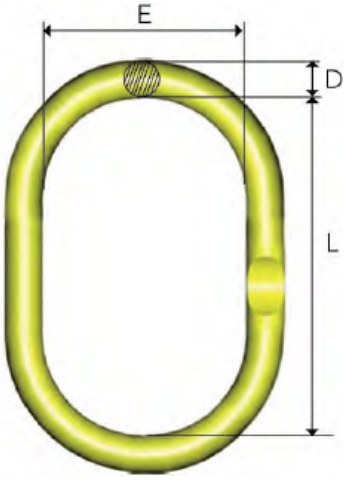
GRADE 100 MASTER LINK M

FEATURES AND BENEFITS

- When used in a chain sling assemblies use refer to the WLL Chart for relevant chain size
- Suitable for 1 & 2 leg chain assemblies

STANDARDS
Complies to AS3776

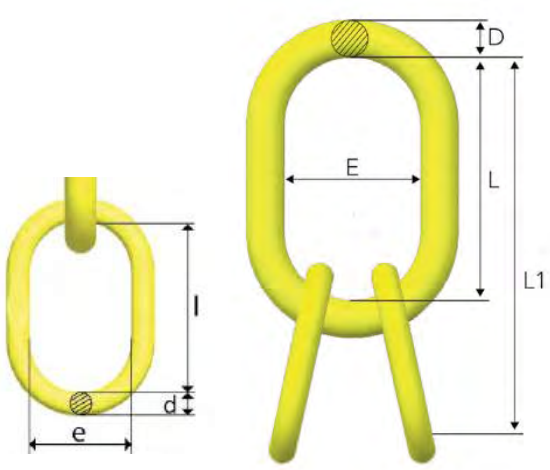
UOM: EACH



CODE	WLL (t) (SF 5:1)		DIMENSIONS (mm)			WEIGHT (kg)
			L	E	D	
LINKSGQ10008MM	2.5	3.2	125	70	14	0.4
LINKSGQ10010MM	4.0	5.2	140	80	17	0.8
LINKSGQ10013MM	7.5	8.0	160	95	22	1.5
LINKSGQ10016MM	10.0	13.6	190	110	28	2.8
LINKSGQ10020MM	17.0	20.6	240	140	34	5.2
LINKSGQ10022MM	25.0	30.9	250	150	40	7.3
LINKSGQ10026MM	28.0	32.0	250	150	42	8.7
LINKSGQ10032MM	43.0	46.6	300	200	50	14.8
LINKSGQ10036MM	56.0	65.0	350	200	55	20.7

GUNNEBO Industries GrabIQ

GRADE 100 MASTER LINK WITH SUBLINKS MT



FEATURES AND BENEFITS

- Designed for use with chain or wire rope
- For 3- and 4-leg slings

STANDARDS
Complies to AS3776

CODE	WLL (t) (SF 5:1)		DIMENSIONS (mm)						WEIGHT (kg)
			L1	L	E	l	e	d	
LINKMGQ10006MM	3.5	5.0	270	150	90	120	70	14	1.8
LINKMGQ10008MM	5.2	8.0	300	160	95	140	80	17	3.0
LINKMGQ10010MM	11.5	16.0	360	200	120	160	95	22	6.4
LINKMGQ10013MM	17.0	26.0	440	250	150	190	110	28	14.2
LINKMGQ10016MM	28.0	35.0	500	300	200	200	120	32	23
LINKMGQ10020MM	35.0	50.0	550	300	200	250	150	40	31.5
LINKMGQ10022MM	53.0	75.0	610	350	200	260	140	45	46
LINKMGQ10026MM	70.0	100.0	730	450	250	280	160	50	71
LINKMGQ10032MM	90.0	125.0	730	450	260	280	160	55	91

Fulfills requirements in: EN 1677 (WLL +25%), ASTM A952/A952M, AS3775.1.
Flattened section on the sublinks for sizes up to MT-16-10.

GUNNEBO Industries GrabIQ

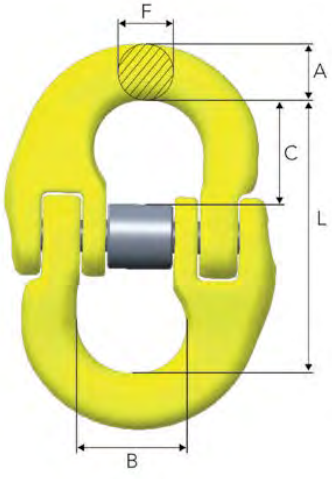
GRADE 100 COUPLING LINK G

FEATURES AND BENEFITS

- Ideal for heavy duty lifting applications
- Designed for 3 & 4 leg applications
- 25% Stronger than Grade 80 equivalent

STANDARDS
Complies to AS3776

UOM: EACH



CODE	WLL (t) (SF 4:1)	DIMENSIONS (mm)					WEIGHT (kg)
		L	B	F	A	C	
CONNTGQ10006MM	1.5	45	15	7	8	16	0.1
CONNTGQ10008MM	2.6	56	18	9	11	22	0.2
CONNTGQ10010MM	4.0	68	25	12	13	26	0.3
CONNTGQ10013MM	6.8	89	29	15	17	33	0.7
CONNTGQ10016MM	10.3	106	36	19	20	40	1.4
CONNTGQ10020MM	16.0	125	43	23	26	44	2.2
CONNTGQ10022MM	20.0	152	50	26	28	59	3.6
CONNTGQ10026MM	27.3	161	58	32	34	61	5.7
CONNTGQ10032MM	40.0	200	70	38	40	77	9.5

Fulfills requirements in: EN 1677(WLL +25%), ASTM A952/A952M, AS3775.1.
Flattened section on the sublinks for sizes up to MT-16-10.
• When using in chain assemblies use the WLL for relevant chain size in the chart

GRADE 100 COMPONENTS

GRADE 100 CLEVIS GRAB HOOK GG

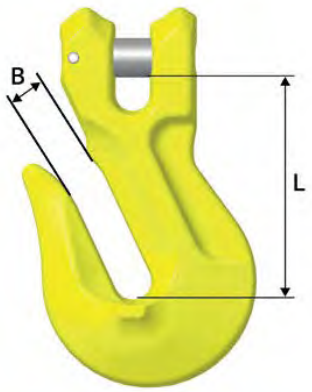
FEATURES AND BENEFITS

- Clevis pin for direct connection to chain without using connecting link
- Supporting lugs either side to prevent chain link deformation
- No reduction of the working load limit (WLL) 8-20mm

STANDARDS
Complies to EN 1677 (WLL +25%), ASTM A952/A952M and AS 3776

UOM: EACH

CODE	WILL	DIMENSIONS (mm)		WEIGHT (kg)
	t	L	B	
HKCGRGQ10006MM	1.5	54	8	0.2
HKCGRGQ10008MM	2.6	57	10	0.4
HKCGRGQ10010MM	4.0	76	12	0.9
HKCGRGQ10013MM	6.8	97	16	1.8
HKCGRGQ10016MM	10.3	114	20	3.1
HKCGRGQ10020MM	16.0	147	26	7.0



GRADE 100 CLEVIS GRAB HOOK GG WITH LOCKING PIN

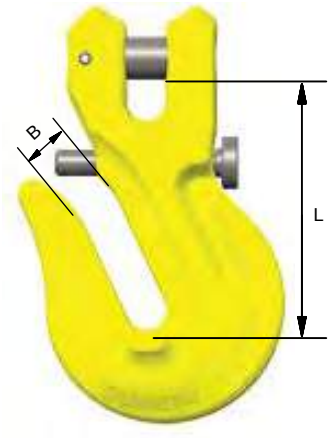
FEATURES AND BENEFITS

- Clevis shortening hook with locking pin for extra safety.
- No reduction of working load limit, thanks to supporting cradle lugs on either side of hook to prevent chain link deformation.

STANDARDS
Complies to EN 1677 (WLL +25%), ASTM A952/A952M and AS 3776

UOM: EACH

CODE	WLL (t) (SF 4:1)	DIMENSIONS (mm)		WEIGHT (kg)
		L	B	
HKGRPGQ10008MM	2.6	57	10	0.4
HKGRPGQ10010MM	4.0	77	12	0.9
HKGRPGQ10013MM	6.8	97	16	1.9
HKGRPGQ10016MM	10.3	114	20	3.2



GRADE 100 CLEVIS GRAB HOOK OG

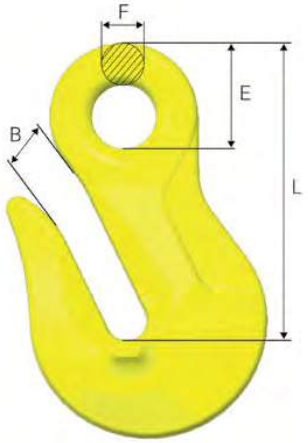
FEATURES AND BENEFITS

- Eye shortening hook
- No reduction of working load limit, thanks to supporting lugs on either side of hook to prevent chain link deformation

STANDARDS
Complies to EN 1677 (WLL +25%), ASTM A952/A952M and AS 3776

UOM: EACH

CODE	WLL (t) (SF 4:1)	DIMENSIONS (mm)				WEIGHT (kg)
		L	B	E	F	
HKEGRGQ10008MM	2.6	65	10	17	10	0.3
HKEGRGQ10010MM	4.0	85	12	20	12	0.7
HKEGRGQ10013MM	6.8	104	16	26	16	1.6
HKEGRGQ10016MM	10.3	131	20	32	19	2.8
HKEGRGQ10020MM	16.0	167	26	41	23	6.1
HKEGRGQ10022MM	20.0	187	26	46	32	8.6
HKEGRGQ10026MM	27.3	228	32	55	38	14
HKEGRGQ10032MM	40.0	229	40	50	27	20.7



GUNNEBO Industries GrabIQ

GRADE 100 CLEVIS SELFLOCKING GRIP LATCH HOOK TYPE GBK

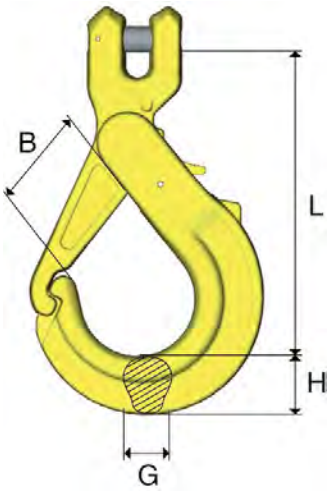
FEATURES AND BENEFITS

- Grip latch to reduce side loading
- Ideal for heavy duty lifting applications
- Clevis pin for direct connection to chain without using connecting link

STANDARDS
Complies to EN 1677 (WLL +25%), ASTM A952/A952M and AS 3776

UOM: EACH

CODE	WLL (t) (SF 4:1)	DIMENSIONS (mm)				WEIGHT (kg)
		L	B	G	H	
HKSLGGQ10006MM	1.5	87	26	15	17	0.4
HKSLGGQ10008MM	2.0	114	36	20	22	0.5
HKSLGGQ10010MM	2.6	119	36	20	22	0.8
HKSLGGQ10013MM	4.0	150	47	22	29	1.4
HKSLGGQ10016MM	6.8	172	53	29	38	2.7
HKSLGGQ10020MM	10.3	208	68	30	45	4.4



GUNNEBO Industries GrabIQ

GRADE 100 CLEVIS SELFLOCKING HOOK TYPE BKG

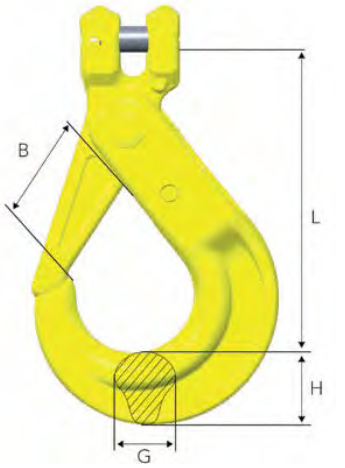
FEATURES AND BENEFITS

- Selflocking when hook is under load
- Ideal for heavy duty lifting applications
- Clevis pin for direct connection to chain without using connecting link

STANDARDS
Complies to EN 1677 (WLL +25%), ASTM A952/A952M and AS 3776

UOM: EACH

CODE	WLL (t) (SF 4:1)	DIMENSIONS (mm)				WEIGHT (kg)
		L	B	G	H	
HKCSLGQ10006MM	1.5	91	29	15	21	0.5
HKCSLGQ10008MM	2.6	121	37	17	26	0.9
HKCSLGQ10010MM	4.0	144	45	21	31	1.5
HKCSLGQ10013MM	6.8	180	55	30	40	3.0
HKCSLGQ10016MM	10.3	219	62	37	50	5.5
HKCSLGQ10020MM	16.0	240	68	46	64	9.6



GUNNEBO Industries GrabIQ

GRADE 100 EYE SELFLOCKING GRIP LATCH HOOK TYPE OBK

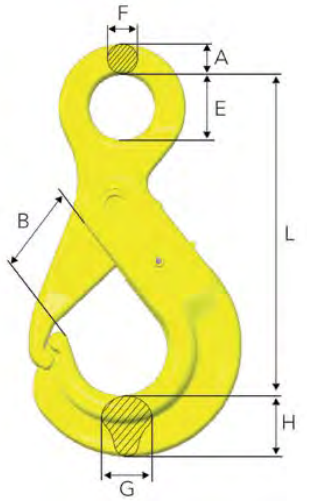
FEATURES AND BENEFITS

- Selflocking when hook is under load
- Ideal for heavy duty lifting applications
- Grip latch to reduce side loading

STANDARDS
Complies to EN 1677 (WLL +25%), ASTM A952/A952M and AS 3776

UOM: EACH

CODE	WLL (t) (SF 4:1)	DIMENSIONS (mm)							WEIGHT (kg)
		A	L	B	E	F	G	H	
HKELGGQ10006MM	1.5	12	103	26	22	9	15	17	0.4
HKELGGQ10008MM	2.6	14	139	37	28	10	20	22	0.8
HKELGGQ10010MM	4.0	16	170	47	34	13	22	29	1.3
HKELGGQ10013MM	6.8	21	206	53	44	15	29	38	2.6
HKELGGQ10016MM	10.3	26	251	68	56	19	29	45	4.4
HKELGGQ10020MM	16.0	28	293	74	60	22	44	56	7.3



GRADE 100 COMPONENTS

GRADE 100 SWIVEL SAFETY HOOK BKL

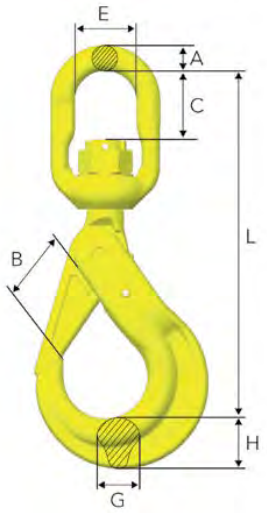
FEATURES AND BENEFITS

- Safety hook with swivel for improved positioning (360º rotation)

STANDARDS
Complies to EN 1677 (WLL +25%), ASTM A952/A952M and AS 3776

UOM: EACH

CODE	WLL (t) (SF 4:1)	DIMENSIONS (mm)							WEIGHT (kg)
		L	B	C	E	A	G	H	
Z101114	1.5	149	29	23	33	11	15	21	0.7
Z101104	2.6	183	37	27	38	12	17	26	1.2
Z101028	4.0	218	45	37	44	15	21	31	2.0
Z101036	6.8	282	55	49	48	19	30	40	4.0
Z101044	10.3	341	62	65	61	25	37	50	7.2
Z101093	16.0	368	68	70	72	31	44	62	11.4



GRADE 100 SWIVEL SELFLOCKING HOOK TYPE BKLK

FEATURES AND BENEFITS

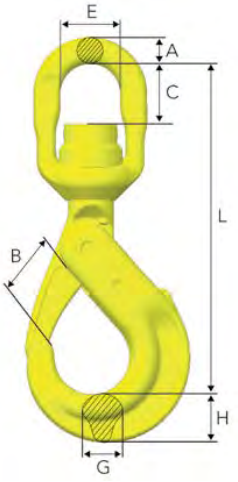
- Selflocking when hook is under load
- Ball bearing swivel allows load to be easily rotated
- 360° rotation under full Working Load

STANDARDS
Complies to EN 1677 (WLL +25%), ASTM A952/A952M and AS 3776

UOM: EACH

CODE	WLL (t) (SF 4:1)	DIMENSIONS (mm)							WEIGHT (kg)
		L	B	C	E	A	G	H	
Z101116	1.5	149	29	24	33	11	15	21	0.7
Z101106	2.6	183	37	27	38	12	17	26	1.2
Z101030	4.0	218	45	35	44	15	21	31	2.0
Z101038	6.8	280	55	45	48	19	30	40	4.0
Z101046	10.3	339	62	62	61	25	37	50	7.3
Z101095	16.0	368	68	68	72	31	44	62	11.5
Z101294	20.0	436	79	79	80	35	50	62	16.8
Z101295	27.3	486	100	100	102	45	54	68	26.0

For larger sizes, see Classic Grade 80



GRADE 100 SWIVEL SAFETY HOOK WITH GRIPLATCH LKBK

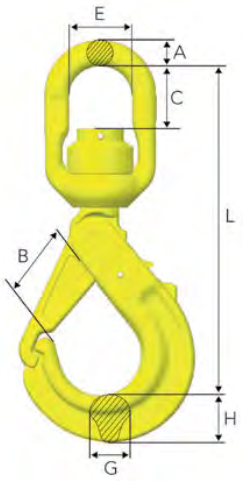
FEATURES AND BENEFITS

- Safety hook with griplatch and ball-bearing for 360º rotation under full WLL

STANDARDS
Complies to EN 1677 (WLL +25%), ASTM A952/A952M and AS 3776

UOM: EACH

CODE	WLL (t) (SF 4:1)	DIMENSIONS (mm)							WEIGHT (kg)
		L	B	C	E	A	G	H	
Z100980	2.6	176	37	27	38	12	20	22	1.1
Z100962	4.0	213	47	35	44	15	22	29	1.9
Z100997	6.8	261	53	43	48	19	29	38	3.6
Z100999	10.3	323	68	61	61	25	30	45	6.2



GUNNEBO Industries GrabIQ

GRADE 100 SLING HOOK EGKN

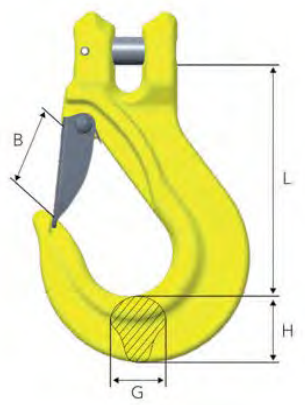
FEATURES AND BENEFITS

- Sling hook with latch

STANDARDS
Complies to EN 1677 (WLL +25%), ASTM A952/A952M and AS 3776

UOM: EACH

CODE	WLL (t) (SF 4:1)	DIMENSIONS (mm)				WEIGHT (kg)
		L	B	G	H	
HKCSFGQ10006MM	1.5	86	25	17	20	0.4
HKCSFGQ10008MM	2.6	95	28	17	23	0.5
HKCSFGQ10010MM	4.0	121	35	23	31	1.1
HKCSFGQ10013MM	6.8	145	42	28	38	2.2
HKCSFGQ10016MM	10.3	170	53	36	46	4.0
HKCSFGQ10020MM	16.0	209	65	42	60	7.6



GUNNEBO Industries GrabIQ

GRADE 100 SWIVEL LATCH HOOK LKN

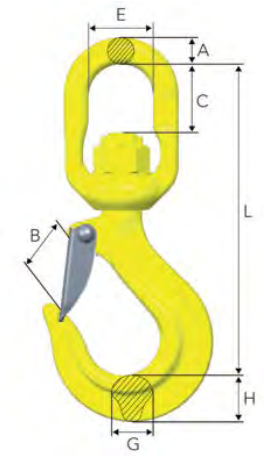
FEATURES AND BENEFITS

- Sling hook with swivel for improved positioning (360º rotation)

STANDARDS
Complies to EN 1677 (WLL +25%), ASTM A952/A952M and AS 3776

UOM: EACH

CODE	WLL (t) (SF 4:1)	FOR CHAIN DIM. (mm)	DIMENSIONS (mm)							WEIGHT (kg)
			L	B	C	E	A	G	H	
Z101345	2.6	7, 8	155	28	28	38	12	18	24	0.8
Z101346	4.0	10	192	35	37	44	15	23	31	1.5
Z101347	6.8	13	238	40	47	48	19	28	38	3.1
Z101348	10.3	16	295	53	65	61	25	34	43	5.3




cromox
CVG
6-6 A
WALDER CROMOX

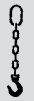
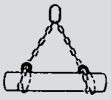
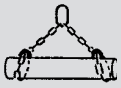
GRADE 60 LIFTING CHAIN & COMPONENTS

Cromox Chain Slings and Accessories from Ketten Wälder provide safety for demanding lifting and heavy-duty transports with superior protection against corrosion in harsh environments and increased longevity. Cromox chain slings are designed in Germany for superior safety and durability.

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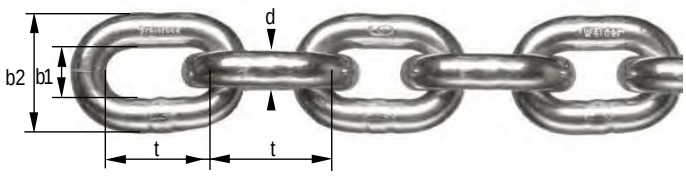
GRADE 60 STAINLESS STEEL CHAIN SLINGS

RING AND HOOK ENDED SLINGS SIMILAR DIN 5688-1 GRADE 60

METHOD OF LIFTING ANGLE OF INCLINATION	WILL IN (t)						
	1 LEG		2-LEG, 3-LEG & 4-LEG				
	DIRECT	TIED	DIRECT 60°	DIRECT 90°	TIED 90°	DIRECT 120°	TIED 120°
Nominal chain thickness acc. to DIN 5687							
4	0.40	0.30	0.65	0.55	0.45	0.40	0.30
5	0.63	0.50	1.05	0.85	0.70	0.63	0.50
6	0.90	0.70	1.55	1.25	1.00	0.90	0.70
7	1.25	1.00	2.15	1.75	1.40	1.25	1.00
8	1.55	1.20	2.65	2.15	1.70	1.55	1.20
10	2.45	1.95	4.20	3.45	2.70	2.45	1.95
13	3.85	3.05	6.65	5.40	4.30	3.85	3.05
16	6.00	4.80	10.35	8.40	6.70	6.00	4.80
18	8.00	6.40	13.80	11.20	8.95	8.00	6.40
The above-mentioned working load limits correspond approximately to the following load factors:							
	1.00	0.80	1.73	1.4	1.12	1.00	0.80
The strain must be reduced to 50 % of the W.L.L. for unbalanced lifting.							

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GRADE 60 STAINLESS STEEL LIFTING CHAIN 5mm - 16mm



FEATURES AND BENEFITS

- Suitable for 1 leg & 2 leg chain assemblies
- Electrolytic polished finish provides superior protection in harsh environments
- Highly resistant to corrosion
- Increased longevity
- Made in Germany

STANDARDS
Complies to BRIGHT POLISHED AISI 316L

UOM: /METRE

TYPE	CHAIN WILL (t)	DIMENSIONS (mm)				WEIGHT (kg)
		d	t	b_1 MIN	b_2 MAX	
KW-CK5	0.63	5.0	15.0	6.5	18.5	0.540
KW-CK6	0.90	6.0	18.0	7.8	22.2	0.800
KW-CK7	1.25	7.0	21.0	9.1	25.9	1.100
KW-CK8	1.55	8.0	24.0	10.4	29.6	1.400
KW-CK10	2.45	10.0	30.0	13.0	37.0	2.200
KW-CK13	3.85	13.0	39.0	16.9	48.1	3.800
KW-CK16	6.00	16.0	48.0	20.8	59.2	5.700

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GRADE 60 OBLONG MASTER CAGF SAND BLASTED 10mm - 22mm

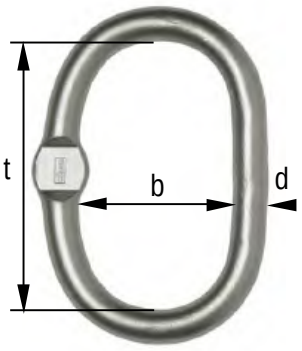
FEATURES AND BENEFITS

- Suitable for 1 leg & 2 leg chain assemblies
- Highly resistant to corrosion
- Increased longevity
- Grade 60 Stainless Steel
- Made in Germany

STANDARDS
Complies to SAND BLASTED AISI 318LN

UOM: EACH

TYPE	WILL (t)	FOR CHAIN		DIMENSIONS (mm)			WEIGHT (kg)
		1 LEG	2 LEG 90°	d	t	b	
KW-CAGF10	0.63	5	4	10	80	50	0.150
KW-CAGF13	1.55	6/7/8	5/6	13	110	60	0.340
KW-CAGF16	2.45	10	7/8	16	110	60	0.530
KW-CAGF22	6.00	13/16	13	22	160	90	1.500



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GRADE 60 SUB-ASSEMBLY CAKF SAND BLASTED 10mm - 26mm

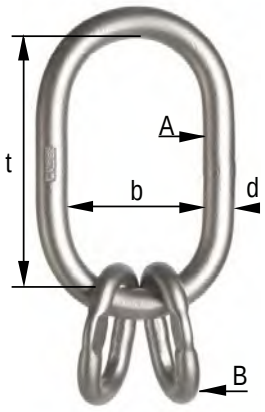
FEATURES AND BENEFITS

- Suitable for 3 leg & 4 leg chain assemblies
- Increased longevity
- Made in Germany

STANDARDS
Complies to SAND BLASTED AISI 318LN

UOM: EACH

TYPE	WILL		FOR CHAIN	DIMENSIONS (mm)			WEIGHT (kg)
	90°	120°		d	t	b	
KW-CAKF13/10	1.30	0.90	5	A 13 / B 10	110 / 44	60 / 25	0.520
KW-CAKF16/13	2.65	1.85	6	A 16 / B 13	110 / 54	60 / 25	0.970
KW-CAKF18/16	3.25	2.30	7/8	A 18 / B 16	135 / 70	75 / 34	1.600
KW-CAKF22/16	5.15	3.65	10	A 22 / B 18	160 / 85	90 / 40	2.760
CAKF26/22	8.15	5.75	13	A 26 / B 22	180 / 115	100 / 50	4.450
CAKF32/26	12.60	9.00	16	A 32 / B 26	200 / 140	110 / 65	7.550



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GRADE 60 CLEVIS HOOKS CGHF WITH SAFETY LATCH SAND BLASTED 5mm - 10mm

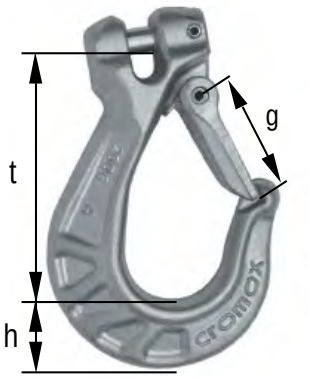
FEATURES AND BENEFITS

- Safety latch to minimise risk of damage

STANDARDS
Complies to SAND BLASTED AISI 318LN

UOM: EACH

TYPE	WILL (t)	DIMENSIONS (mm)			WEIGHT (kg)
		t	g	h	
KW-CGHF 05	0.63	78	25	21	0.400
KW-CGHF 06	0.90	78	25	21	0.400
KW-CGHF07	1.25	98	32	27	0.800
KW-CGHF08	1.55	98	32	27	0.800
KW-CGHF10	2.45	117	40	32	1.500



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GRADE 60 EYE HOOKS COHF WITH SAFETY LATCH SAND BLASTED 4mm - 18mm

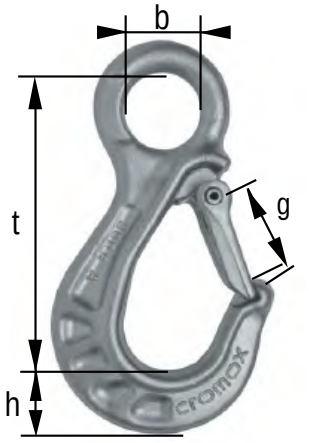
FEATURES AND BENEFITS

- Safety latch to minimise risk of damage

STANDARDS
Complies to SAND BLASTED AISI 318LN

UOM: EACH

TYPE	WILL (t)	DIMENSIONS (mm)				WEIGHT (kg)
		t	g	b	h	
KW-COHF04	0.40	75	20	17	17	0.185
KW-COHF05/06	0.90	100	25	25	22	0.350
KW-COHF07/08	1.55	126	32	27	28	0.790
KW-COHF10	2.45	155	40	37	34	1.370
KW-COHF13	3.85	195	51	48	45	3.000
KW-COHF16	6.00	230	66	55	51	4.800
KW-COHF18	8.00	255	70	65	56	6.400



cromox®

GRADE 60 SELF LOCKING CLEVIS HOOKS CGSL 5mm - 13mm

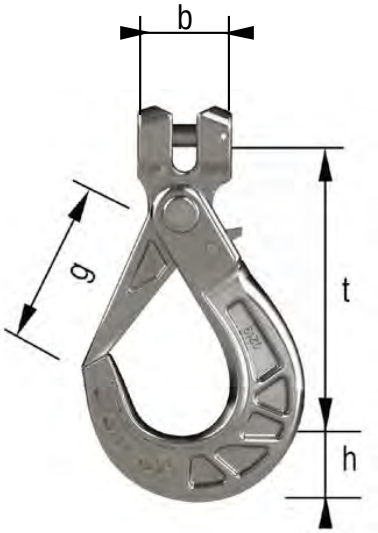
FEATURES AND BENEFITS

- High WLL
- Exchangeable safety mechanism
- Best corrosion resistant
- Grade 60 Stainless Steel Selflocking Hook
- Made in Germany

STANDARDS
Complies to SAND BLASTED AISI 318LN

UOM: EACH

TYPE	WILL (t)	DIMENSIONS (mm)				WEIGHT (kg)
		t	g	b	h	
KW-CGSL 05	0.63	83.5	29	27	19	0.280
KW-CGSL06	0.90	96	33	31.5	22	0.440
KW-CGSL07	1.25	110	37.5	36	25	0.640
KW-CGSL08	1.55	122	42	40	28	0.880
KW-CGSL10	2.45	149	51.5	48.5	34	1.600
KW-CGSL13	3.85	197	68	64.5	45	3.720



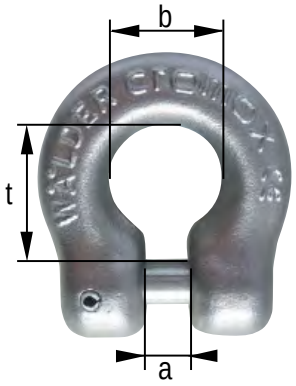
cromox®

GRADE 60 CLEVIS SHACKLES CGS TESTED SAND BLASTED 6mm - 16mm

STANDARDS
Complies to SAND BLASTED AISI 318LN

UOM: EACH

TYPE	WILL (t)	DIMENSIONS (mm)			WEIGHT (kg)
		t	b	a	
KW-CGS06	0.90	26	20	7	0.160
KW-CGS07	1.25	30	23	9	0.230
KW-CGS08	1.55	30	23	9	0.230
KW-CGS10	2.40	40	28	11	0.460
KW-CGS13	3.85	48	38	14	0.675
KW-CGS16	6.00	50	44	17	1.130



cromox®

GRADE 60 CONNECTING LINKS CVG TESTED BLASTED 5mm - 16mm

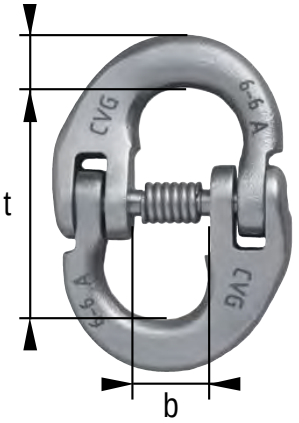
FEATURES AND BENEFITS

- Suitable for lifting in corrosive environments
- Conventional style connecting link to Grade 60 chain
- Suitable for lifting applications
- Grade 60 Stainless Steel Connecting Link
- Made in Germany

STANDARDS
Complies to SAND BLASTED AISI 318LN

UOM: EACH

TYPE	WILL (t)	DIMENSIONS (mm)			WEIGHT (kg)
		t	b	d	
KW-CVG05	0.63	33.6	12.45	6.95	0.045
KW-CVG06	0.90	42	15	7.5	0.085
*CVG07	1.25	42	15	9.5	0.090
KW-CVG08	1.55	55	18	11.5	0.150
KW-CVG10	2.45	69	22	14.50	0.310
KW-CVG13	3.85	75	29	15.0	0.515
KW-CVG16	6.00	92	36	18.5	0.980



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GRADE 60 SAFETY SHACKLES CSA TESTED BRIGHT POLISHED 4mm - 26mm

FEATURES AND BENEFITS

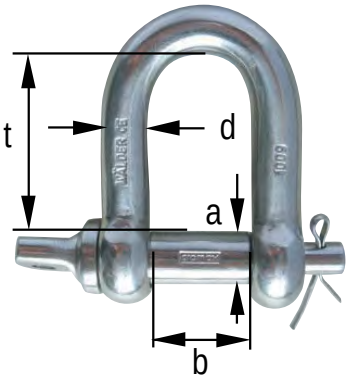
- Safety pin to ensure the pin is captured
- High strength & versatile
- Suitable for corrosive environments

STANDARDS
Complies to AISI 316L

UOM: EACH

TYPE	WILL (t)	DIMENSIONS (mm)				WEIGHT (kg)
		a	d	t	b	
KW-CSA04	0.40	8	6.5	22.5	12	0.036
KW-CSA05	0.63	10	8	26	13.5	0.070
KW-CSA06	0.90	11	10	32	17	0.129
KW-CSA08	1.55	13	11	36.5	19	0.180
KW-CSA10	2.45	19	16	51	27	0.530
KW-CSA13	3.85	22.5	19	60.5	32	0.930
KW-CSA16	6.00	32	29	91	46	2.900
*CSA 18	8.00	35	32	100	51.5	4.150
*CSA 22	11.00	38	35	111	57	6.300
*CSA 26	16.00	51	45.5	146	73	9.100

*Not stocked. Available on request.



cromox®

GRADE 60 D-SHACKLES CSS TESTED BRIGHT POLISHED 4mm - 13mm

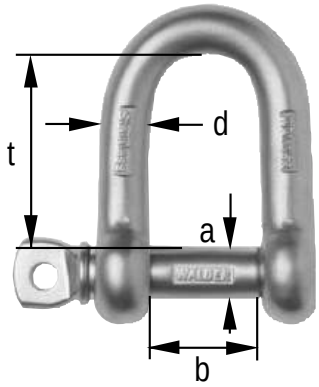
FEATURES AND BENEFITS

- High strength & versatile
- Suitable for corrosive environments
- Grade 60 Stainless Steel
- Made in Germany

STANDARDS
Complies to AISI 316L

UOM: EACH

TYPE	WILL (t)	DIMENSIONS (mm)				WEIGHT (kg)
		a	d	t	b	
KW-CSS04	0.40	8	6.5	22.5	12.0	0.041
KW-CSS05	0.63	10	8	26.0	13.5	0.078
KW-CSS06	0.90	11	10	32.0	17.0	0.136
KW-CSS08	1.55	13	11	36.5	19.0	0.195
KW-CSS10	2.45	19	16	51.0	27.0	0.630
KW-CSS13	3.85	22.5	19	60.5	32.0	1.001



cromox®

GRADE 60 SHORTENERS CVE TESTED SAND BLASTED 5mm - 13mm

FEATURES AND BENEFITS

- Simple handling
- Safety of use through special design
- Repositioned flat section usable in welded and modular systems

STANDARDS
Complies to SAND BLASTED AISI 318LN

UOM: EACH

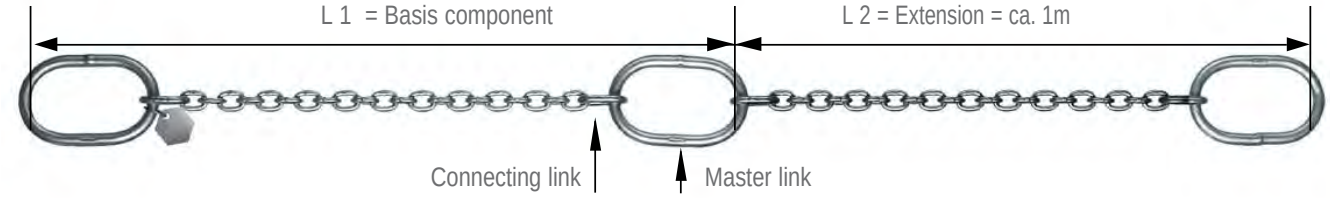
TYPE	WILL (t)	DIMENSIONS (mm)			WEIGHT (kg)
		d	t	a	
CVE05	0.63	24	93	40	0.280
KW-CVE06	0.90	25	112	45	0.455
CVE07	1.25	27	131	53	0.750
KW-CVE08	1.55	28	148	56	1.000
KW-CVE10	2.45	38	187	70	2.000
CVE13	3.85	48	243	91	4.500



STAINLESS GRADE 60 PUMP CHAINS

Cromox pump chains enable safe lifting and lowering of pumps and aeration devices. Accompanied with WLL-tag and certificate. In addition to our standard sizes, we offer customized solutions.

MANY SIZES ALSO AVAILABLE IN DUPLEX!



cromox®

GRADE 60 PUMP CHAINS CPK WELDED TESTED 4mm - 16mm

FEATURES AND BENEFITS

- Versatile heavy duty solutions
- Two-leg system for pumps with two lifting points
- Enables safe lifting & lowering of pumps & aeration devices
- Available in AISI 318LN on request
- Tested & tagged
- Grade 60 Stainless Steel AISI 316L
- 1.5m spacings as standard
- Made in Germany



Fig.: Customised Edition — 2-leg Extension with shackle

STANDARDS
Complies to SIMILAR DIN 5688-1

UOM: EACH

TYPE	WILL (t)	MASTER LINK (mm)	CHAIN (mm)	JOINING LINK (mm)
KW-CPK4	0.40	8 x 54 x 30	4 x 16	5 x 22 x 9
KW-CPK5	0.63	10 x 80 x 50	5 x 15	6 x 26 x 13
KW-CPK6	0.90	13 x 110 x 60	6 x 18	8 x 35 x 19
KW-CPK7	1.25	13 x 110 x 60	7 x 21	8 x 35 x 19
KW-CPK8	1.55	13 x 110 x 60	8 x 24	10 x 44 x 25
KW-CPK10	2.45	16 x 110 x 60	10 x 30	13 x 54 x 25
KW-CPK13	3.85	22 x 160 x 90	13 x 39	16 x 70 x 34
KW-CPK16	6.00	22 x 160 x 90	16 x 48	18 x 85 x 40

Standard Spacing ≈ 1.5m centres ; other lengths by request Custom fittings and fabrications available L 1 = Approx 150mm + one additional masterlink



CHOOSING THE RIGHT MATERIALS HANDLING EQUIPMENT IN THE WORKPLACE



In workplaces where heavy lifting, load transfer, and elevated work are part of daily operations—such as construction sites, warehouses, factories, and workshops—using the right hoisting and materials handling equipment is not just a matter of efficiency, it's critical to safety, compliance, and overall productivity.

Utilising the correct materials handling equipment with appropriate Working Load Limit (WLL) ratings, colour-coded safety features, and compliance with Australian Standards is crucial for maintaining a safe and efficient workplace. This approach not only protects workers but also enhances operational productivity and ensures compliance with safety regulations.

WHY IT MATTERS

Heavy loads and awkwardly shaped items present significant hazards when not handled with the right equipment. Incorrect or makeshift lifting methods can lead to dropped loads, serious injuries, equipment damage, and costly downtime. Using the appropriate hoisting and materials handling equipment helps to protect workers from physical strain and injury and prevents damage to valuable materials and infrastructure.



TYPES OF MATERIALS HANDLING EQUIPMENT

A diverse range of equipment is employed to move and lift heavy items safely:

- Manual Chain Blocks and Lever Blocks: Manual devices for lifting and tensioning and ideal for where electrical power is unavailable or where the lifting mechanism needs to be portable and easily moved.
- Electric and Air Hoists: Preferred over manual hoists for tasks involving repetitive lifting, for heavier loads and situations where physical exertion is a concern.
- Girder Trolleys and Clamps: Girder trolleys facilitate horizontal movement of loads along beams, while girder clamps provide a secure, stationery point for attaching or suspending equipment.
- Winches (Electric, Hand, and Air): Provide a controlled pulling force.
- Sheave and Snatch Blocks: Change the direction of a load or increase lifting capacity.
- Concrete Clutches: Securely hold concrete elements during lifting.
- Pallet Trucks and Trolleys: Safely and efficiently transport goods over short distances.
- Forklift Attachments and Scissor Lift Tables: Raise and lift heavy or awkward items for easier moving and handling.
- Work and Goods Cages: Safely transport personnel and materials.
- Spreader Beams and Bars: Distribute load evenly to prevent damage.

IMPORTANCE OF CORRECT WORKING LOAD LIMIT (WLL)

Each piece of lifting equipment is rated with a Working Load Limit (WLL), indicating the maximum safe load it can handle under normal conditions. Exceeding this limit can lead to equipment failure, posing significant risks to workers and the integrity of the load. It's essential that workers are trained to recognise and respect these limits.



COMPLIANCE WITH AUSTRALIAN STANDARDS

In Australia, materials handling equipment must comply with relevant Australian Standards to ensure safety and performance. For example, AS 1418.2 specifies requirements for hoists and winches, while AS 4991 outlines the design and use of lifting devices. Adhering to these standards helps prevent accidents and ensures that equipment is fit for purpose.





SAFETY THROUGH COLOUR CODING

Leading brands like Beaver incorporate internationally recognised colour coding systems into their lifting gear—such as chain and lever blocks, girder trolleys and clamps—to make WLL identification fast and intuitive and reduce the risk of overloading. This visual safety feature reduces the chance of human error, supporting safer equipment selection and operation.


PROPERTY OF BUNZL



MATERIALS HANDLING 4

BEAVER® KITO HITACHI Inspire the Next VITAL® TOWNLEY FORGING AUSTRALIAN QUALITY

TOKU hdspace EAST WEST ENGINEERING Maxirig QUALITY LIFTING SOLUTIONS

BUNZL SAFETY & LIFTING HAS BEEN A TRUSTED LEADER IN SUPPLYING LEADING BRANDS OF MATERIALS HANDLING SOLUTIONS,

designed to meet the needs of various industries and applications.

Whether you are in construction, manufacturing, warehousing, or logistics, our extensive range of products provide reliable and safe solutions for lifting, moving, and handling materials in demanding environments.

CHAIN & LEVER BLOCKS	306-312
TROLLEYS & CLAMPS	313-316
HOISTS	317-327
WINCHES	328-331
DITIGAL LOAD CELLS	332
MATERIALS HANDLING EQUIPMENT	333-337
MANUFACTURED & ENGINEERED PRODUCTS	338-349

CHAIN & LEVER BLOCKS



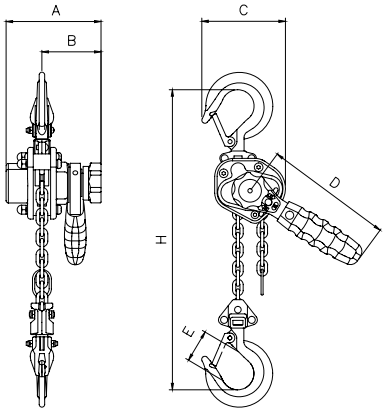
3S STEEL PRO LEVER BLOCK 250kg

FEATURES AND BENEFITS

- Compact, sturdy & lightweight - only weighs 2.3kg
- Full body steel cast construction, gear case and cover are impact resistant
- Top and bottom hooks with ball bearings and safety catches
- Rubberised safety grip handle

STANDARDS
Complies to AS/NZS1418.2

PRODUCT CODE		509025
RATED CAPACITY	kg	250
COLOUR		Grey
STANDARD LIFT	m	1
RUNNING TEST	kg	375
HEADROOM	H (mm)	230
EFFORT ON LEVER TO LIFT FULL LOAD	N	200
NO. OF LOAD CHAIN FALLS	-	1
DIAMETER OF LOAD CHAIN	mm	4x12
DIMENSIONS (mm)	A	106
	B	66
	C	90
	D	160
	E	32
NET WEIGHT	kg	2.3



250kg

3S ALUMINIUM MANUAL LEVER BLOCKS 250kg & 500kg

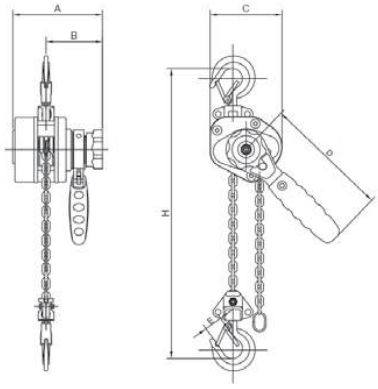
FEATURES AND BENEFITS

- Compact and lightweight, designed for small to medium size lifting and pulling applications
- Easy handling with low physical force on lever
- Easy adjustment with free chain mode
- Fully protected mechanism and load drop protection in free-wheel position

STANDARDS
Complies to AS/NZS1418.2

PRODUCT CODE		506025	506050
RATED CAPACITY	kg	250	500
COLOUR		Grey	Grey
STANDARD LIFT	m	1.5	1.5
TEST LOAD	kN	4.9	9.8
HEADROOM	H (mm)	200	250
EFFORT ON LEVER TO LIFT FULL LOAD	N	210	320
NO. OF LOAD CHAIN FALLS	-	1	1
DIAMETER OF LOAD CHAIN	mm	4	4
DIMENSIONS (mm)	A	87	100.5
	B	55.5	62.5
	C	68	81
	D	145	160
	E	21	24.5
NET WEIGHT	kg	1.5	2.5





250kg & 500kg



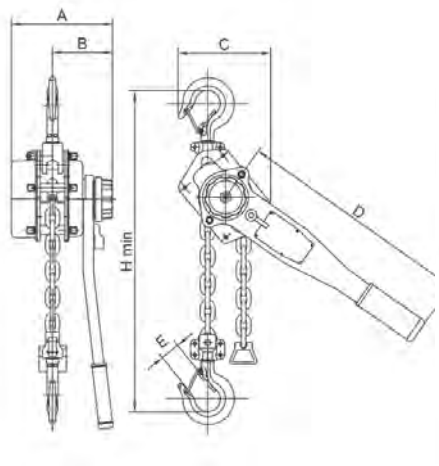
3S INDUSTRIAL MANUAL CHAIN BLOCKS 800kg to 9t

FEATURES AND BENEFITS

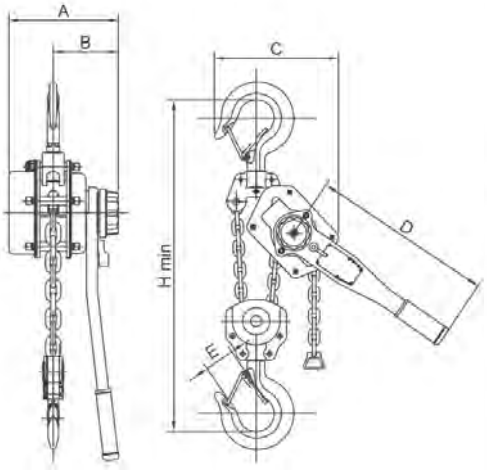
- Heavy duty steel robust housing suitable for mining and heavy construction
- Some models include inbuilt overload clutch mechanism
- Versatile lifting and tensioning device
- Calibrated, heat treated, black finish, Grade 80 alloy steel load chain marked to ISO 3077 and ISO 1834
- Top/bottom hooks fitted with ball bearing for easy rotation under load
- Colour coded to match international lifting standards

STANDARDS
Complies to AS1418.2

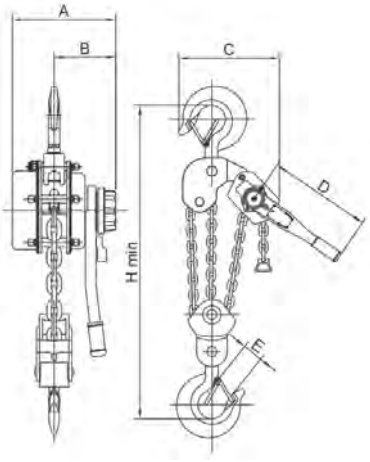
PRODUCT CODE (Without overload protection)		506080	506160	506320	506630	506900
PRODUCT CODE (With overload protection)		507080	507160	507320	507630	507900
RATED CAPACITY	kg	800	1600	3200	6300	9000
COLOUR CODE		White	Violet	Yellow	Brown	Orange
STANDARD LIFT	m	1.5	1.5	1.5	1.5	1.5
TEST LOAD	kN	11.3	22.5	45	90	135
HEADROOM	H (mm)	325	380	480	620	700
EFFORT ON LEVER TO LIFT FULL LOAD	N	140	240	320	340	360
NO. OF LOAD CHAIN FALLS	-	1	1	1	2	3
DIAMETER OF LOAD CHAIN	mm	6x18	8x24	10x30	10x30	10x30
LENGTH OF LEVER HANDLE	D (mm)	280	410	410	410	410
DIMENSIONS (mm)	A	148	172	200	200	200
	B	90	98	115	115	115
	C	136	160	180	235	316
	E	30	35	40	50	60
NET WEIGHT	kg	7	11	21	31	47



1.6 tonne & 3.2 tonne



6.3 tonne



9 tonne

CHAIN & LEVER BLOCKS

3S STEEL PRO CHAIN BLOCK 250kg

FEATURES AND BENEFITS

- Compact, lightweight rugged design only weighs 4.86kg
- Full body steel cast construction, gear case and cover are impact resistant
- Top and bottom hooks with ball bearings and safety catches
- Comprehensive range of spare parts are available

STANDARDS
Complies to AS1418.2

PRODUCT CODE		505025
RATED CAPACITY	kg	250
COLOUR		Silver
STANDARD LIFT	m	1.5
HEADROOM	H (mm)	285
EFFORT ON LEVER TO LIFT FULL LOAD	N	240
EXTRA WEIGHT PER METRE OF EXTRA LIFT	kg	0.88
NO. OF LOAD CHAIN FALLS	-	1
DIAMETER OF LOAD CHAIN	mm	4x12
DIMENSIONS (mm)	A	125
	B	116
	C	25
NET WEIGHT	kg	4.86



OVERLOAD PROTECTION AVAILABLE



3S INDUSTRIAL MANUAL CHAIN BLOCKS 3 METRE LIFT 500kg to 10t

FEATURES AND BENEFITS

- Heavy duty steel robust housing
- Suitable for lifting & lowering loads
- Suitable for mining & construction
- Top and bottom hooks fitted with ball bearings for easy rotation under load
- Some models include inbuilt overload clutch mechanism

STANDARDS
Complies to AS1418.2

PRODUCT CODE (Without overload protection)		503053	503103	503203	503303	503503	503603
PRODUCT CODE (With overload protection)		508053	508103	508203	508303	508503	508603
RATED CAPACITY	kg	500	1000	2000	3000	5000	10000
COLOUR CODE		White	Violet	Green	Yellow	Red	Orange
STANDARD LIFT	m	3	3	3	3	3	3
HEADROOM	H (mm)	345	376	470	565	688	765
EFFORT TO LIFT FULL LOAD	kg	240	250	335	335	363	380
NO. OF LOAD CHAIN FALLS	-	1	1	1	2	2	4
DIAMETER OF LOAD CHAIN	mm	5x15	6x18	8x24	8x24	9x30	9x30
DIMENSIONS (mm)	A	132	151	175	176	189	189
	B	148	172	210	230	280	463
	C	28	32	36	46	46	57
NET WEIGHT	kg	11	12.5	19.5	29	41.3	78.5

OVERLOAD PROTECTION AVAILABLE



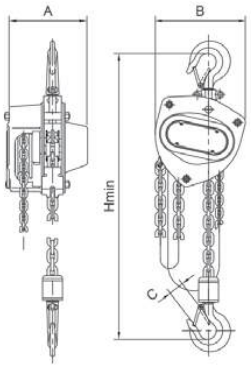
3S INDUSTRIAL MANUAL CHAIN BLOCKS
6 METRE LIFT 500kg to 10t

FEATURES AND BENEFITS

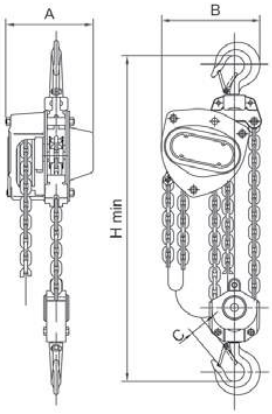
- Heavy duty steel robust housing
- Suitable for lifting & lowering loads
- Suitable for mining & construction
- Top and bottom hooks fitted with ball bearings for easy rotation under load
- Some models include inbuilt overload clutch mechanism
- Colour coded to match international lifting standards

STANDARDS
Complies to AS1418.2

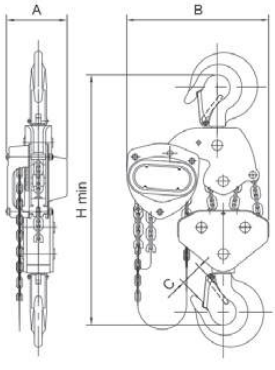
PRODUCT CODE (Without overload protection)		503056	503106	503206	503306	503506	503606
PRODUCT CODE (With overload protection)		508056	508106	508206	508306	508506	508606
RATED CAPACITY	kg	500	1000	2000	3000	5000	10000
COLOUR CODE		White	Violet	Green	Yellow	Red	Orange
STANDARD LIFT	m	6	6	6	6	6	6
HEADROOM	H (mm)	345	376	470	565	688	765
EFFORT TO LIFT FULL LOAD	kg	240	250	335	335	363	380
NO. OF LOAD CHAIN FALLS	-	1	1	1	2	2	4
DIAMETER OF LOAD CHAIN	mm	5x15	6x18	8x24	8x24	9x30	9x30
DIMENSIONS (mm)	A	132	151	175	176	189	189
	B	148	172	210	230	280	463
	C	28	32	36	46	46	57
NET WEIGHT	kg	12.6	14.8	23.6	37.2	54.5	104.9



500kg, 1 & 2 tonne



3 & 5 tonne



10 tonne

CHAIN & LEVER BLOCKS

VITAL CHAIN BLOCK 500kg - 20t



FEATURES & BENEFITS

- High specification Grade 100 load chain on 1.5t and above
- Designed for long-term use while providing the lowest per-use cost
- Quality caged needle bearings on load sheave and thrust bearings on bottom hook
- Optional close coupled and extra close coupled to girder trolleys for extra head-room
- Load chain exceeds Australian Standards
- Manufactured in Japan

STANDARDS
Complies to AS1418.2

PRODUCT CODE		VCB053	VCB056	VCB103	VCB106	VCB153	VCB156	VCB203	VCB206	VCB303	VCB306	VCB503	VCB506	VCB750	VCB910	VCB915	VCB920
RATED CAPACITY	t	0.5	0.5	1	1	1.5	1.5	2	2	3	3	5	5	7.5	10	15	20
LIFT	m	3	6	3	6	3	6	3	6	3	6	3	6	3	3	3	3
HAND CHAIN DROP	m	2	5	2	5	2	5	2	5	2	5	2	5	2	2	2	2
CHAIN FALLS		1	1	1	1	1	1	1	1	2	2	2	2	3	4	6	8
LOAD CHAIN DIMENSIONS	mm	5x15	5x15	6.3x19.1	6.3x19.1	7.1x21	7.1x21	8x24	8x24	7.1x21	7.1x21	9x27	9x27	9x27	9x27	9x27	9x27
NET WEIGHT	kg	9.5	10.5	13	14.5	15	16.5	23	25.5	24	28	43	49	61	80	150	211

VITAL LEVER BLOCK - NR SERIES 250kg - 9t



FEATURES & BENEFITS

- NR Series level blocks are engineered with a "free-wheeling" braking system for swift and effortless operation
- One-touch operation for free chain adjustment
- Load chain exceeds Australian Standards
- Manufactured in Japan

STANDARDS
Complies to AS1418.2

PRODUCT CODE		VLB202	VLB205	VLB206	VLB207	VLB210	VLB215	VLB230	VLB260	VLB290
RATED CAPACITY	t	0.25	0.5	0.5	0.8	1	1.6	3.2	6.3	9
LIFT	m	1.5	1.5	3	1.5	1.5	1.5	1.5	1.5	1.5
CHAIN FALLS		1	1	1	1	1	1	1	2	3
LOAD CHAIN DIMENSIONS	mm	4x12	5x15	5x15	6.3x19.1	6.3x19.1	7.1x21	9x27	9x27	9x27
NET WEIGHT	kg	1.9	3.5	4.2	6	7.2	9.8	16.6	27	47.3

VITAL®

VITAL LEVER BLOCK - VR SERIES 800kg - 6.3t



FEATURES & BENEFITS

- VR Series lever block incorporate a secure "lock-in and lock-out" braking system for reliable load control
- High specification Grade 100 load chain (excluding 800kg)
- Easy two-step operation to prevent accidental free-wheeling
- Suitable for tandem lifting applications
- Load chain exceeds Australian Standards
- Manufactured in Japan

STANDARDS

Complies to AS1418.2

PRODUCT CODE		VLB107	VLB109	VLB115	VLB119	VLB130	VLB160
RATED CAPACITY	t	0.8	0.8	1.6	1.6	3.2	6.3
LIFT	m	1.5	3	1.5	3	1.5	1.5
CHAIN FALLS		1	1	1	1	1	2
LOAD CHAIN DIMENSIONS	mm	6.3x19.1	6.3x19.1	7.1x21	7.1x21	9x27	9x27
NET WEIGHT	kg	6	7.5	9.8	10.6	16.6	27

Yale

YALE BATTERYSTAR CHAIN HOIST 1t



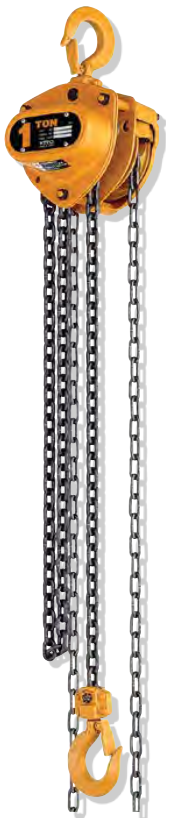
FEATURES & BENEFITS

- Designed for portability and easy installation, the BatteryStar can have you lifting in minutes. Simply attach the hoist to an anchor point, slide in a battery, and you're ready to go
- Battery powered hoist
- Controlled by a wireless remote to keep the operator out of the load path
- Hoist can be used in either configuration with the hoist body attached to the anchor point or inverted
- Variable speed allowing for precise lifting and lowering in any application
- Electronic clutch and secondary mechanical clutch provide dual protection from hoist overload

STANDARDS

Complies to AS1418.2

PRODUCT CODE		BCY1008
RATED CAPACITY	t	1
LIFT	m	6
LIFTING SPEED	m/min	2.4



KITO M3 CHAIN BLOCK 500kg - 10t

FEATURES & BENEFITS

- The KITO M3 Series chain block have been designed for maximum durability and safety for continuous heavy-duty industrial applications
- Available in standard lift heights of 3 and 6 metres, these superior units can be close coupled to KITO Push and Geared Trolleys for further reduced headroom
- Optional lift heights also available
- Available with overload protection

STANDARDS
Complies to AS1418.2

RATED CAPACITY	t	0.5	1.0	1.5	2.0	3.0	5.0	7.5	10.0
PRODUCT CODE	3m lift	43269	43271	43273	43275	43277	43279	43281	49575
PRODUCT CODE	6m lift	47769	47444	46637	47882	47883	47884	63286	49577
HEADROOM	mm	360	410	470	500	540	640	810	780
CLOSE HEADROOM	mm	405	440	495	520	595	720	865	890
CHAIN DIAMETER	mm	5.0	6.3	7.1	8.0	7.1	9.0	9.0	9.0
CHAIN FALLS	mm	1	1	1	1	2	2	3	4
NET WEIGHT		10.0	11.5	14.5	21.0	24.0	41.0	63.0	83.0

Note: Also available with Overload Protection.



KITO L5 SERIES LEVER HOIST 800kg - 9t

FEATURES & BENEFITS

- Supplied in standard lift heights of 1.5 metres and selected 3 metre models
- Lightweight, compact and designed for heavy-duty work
- All models feature the patented 'free-wheel safety brake mechanism' and nickel plated load chain
- Smaller, lighter, stronger
- High grade solid alloy steel frame construction
- Unique patented 'free wheeling hub' mechanism
- Double brake pads with four braking surfaces
- Enhance safety and performance with the optional overload limiter
- Optional lift heights also available

STANDARDS
Complies to AS1418.2

RATED CAPACITY	t	0.8	1.0	1.6	2.5	3.2	6.3	9.0
PRODUCT CODE	1.5m lift	44202	44203	44204	44205	44206	44207	44208
PRODUCT CODE	3m lift	45890	62575	45891	61917	45892	45893	61498
HEADROOM	mm	280	300	335	375	395	540	680
LEVER LENGTH	mm	245	245	265	265	415	415	415
CHAIN DIAMETER x FALL	mm	5.6x1	5.6x1	7.1x1	8.8x1	10x1	10x2	10x3
CHAIN DIAMETER X PITCH	mm	5.6x15.7	5.6x15.7	7.1x19.9	8.8x24.6	10x28.0	10x28.0	10x28.0
CHAIN PART NUMBER		44278	44278	44279	44280	44281	44281	44281
NET WEIGHT	kg	5.7	5.9	8.0	11.2	15.0	26.0	40.0

Note: Weights shown for Lever Hoists are for standard 1.5 m lift models.
Optional lift heights available.



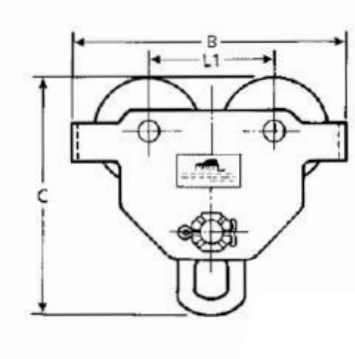
PUSH GIRDER TROLLEYS 500kg - 5t

FEATURES & BENEFITS

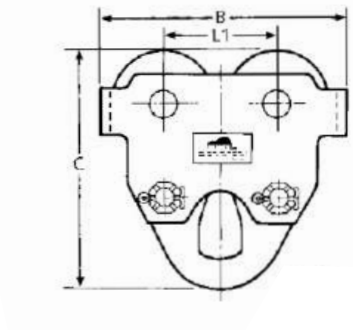
- Lightweight, robust all-steel construction
- Suited to R.S.J. or universal beams
- Easily mounted and fully adjustable to suit varying flange widths
- Precision ball bearing trolley wheels complete with dust cover
- Anti-derailment end plates & anti-tilt blocks fitted
- Stainless steel ID plate for traceability
- Colour coded to match international lifting standards

STANDARDS
Complies to AS1418.2

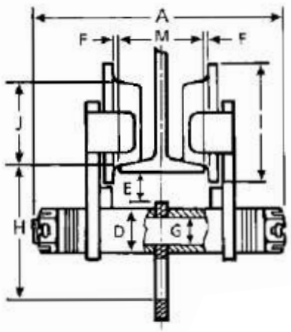
PRODUCT CODE		522005S	522010S	522015S	522020S	522030S	522050S
RATED CAPACITY	t	0.5	1.0	1.5	2.0	3.0	5.0
COLOUR CODE		White	Violet	Orange	Green	Yellow	Red
PROOF LOAD	kN	7.35	14.71	22.06	29.42	44.13	61.29
MINIMUM RADIUS OF CURVE	m	0.8	1.0	1.0	1.1	1.3	1.4
A (OVERALL WIDTH)	mm	245	311	338	327	445	457
B (LENGTH)	mm	199	246	260	276	332	377
C	mm	187	222	238	263	309	353
D	mm	34	40	45	52	58	64
E	mm	30	38	38	38	40	42
F	mm	1.5-3	1.5-3	1.5-3	1.5-3	1.5-3	2-3.5
G	mm	24	30	33	36	42	48
H (HEADROOM)	mm	105	125	134	150	171	196
I (FLANGE DIA.)	mm	79	95	102	108	131	144
J	mm	55	68	74	80	100	110
L1	mm	100	120	125	132	155	168
M ADJUSTABLE BEAM WIDTH	mm	50-152	64-203	70-203	88-203	100-305	114-305
NET WEIGHT	kg	6.5	10.5	17.5	17.5	27	41



0.5 - 5 tonne



10 - 20 tonne



0.5 - 20 tonne

GIRDER TROLLEYS



GEARED GIRDER TROLLEYS 1000kg - 20t

FEATURES & BENEFITS

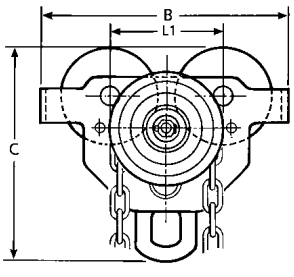
- Lightweight, robust all-steel construction
- Suited to R.S.J. or universal beams
- Corrosion resistant, zinc dichromate (gold) finish hand chain
- Easily mounted and fully adjustable to suit varying flange widths
- Precision ball bearing trolley wheels with dust cover
- Anti-derailment end plates & anti-tilt blocks fitted
- Stainless steel ID plate for traceability
- Colour coded to match international lifting standards

STANDARDS

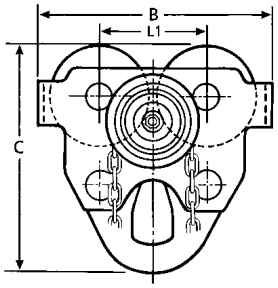
Complies to AS1418.2

PRODUCT CODE		523010S	523020S	523030S	523050S	523100S	523200S
RATED CAPACITY	t	1.0	2.0	3.0	5.0	10.0	20.0
COLOUR CODE		Violet	Green	Yellow	Red	Orange	Orange
PROOF LOAD	kN	14.71	29.42	44.13	61.29	122.58	245.17
STANDARD LIFT	m	3	3	3	3	3	3
EFFORT AT RATED CAPACITY	N	50	90	95	140	240	250
MINIMUM RADIUS OF CURVE	m	1.0	1.1	1.3	1.4	2.0	3.5
A (OVERALL WIDTH)	mm	338	349	464	476	510	600
B (LENGTH)	mm	246	276	332	377	424	555
C	mm	222	263	309	353	396	498
D	mm	40	52	58	64	64	75
E	mm	38	38	40	42	45	58
F	mm	1.5-3	1.5-3	1.5-3	2-3.5	2-3.5	2-3.5
G	mm	30	36	42	48	48	55
H (HEADROOM)	mm	125	150	171	186	190	233
I (FLANGE DIAMETER)	mm	95	108	131	144	176	226
J	mm	68	80	100	110	136	175
L1	mm	120	132	155	168	200	272
L2	mm	23	26	29	35	52	78
L3	mm	8	8	10	10	25	58
M ADJUSTABLE BEAM WIDTH	mm	64-203	88-203	100-305	114-305	124-305	136-305
NET WEIGHT	kg	14.5	21.5	31	46	75	172

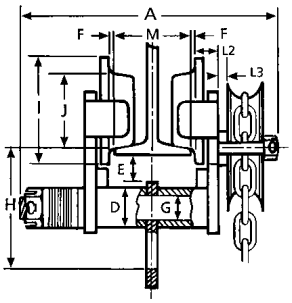
Beaver Push & Geared Girder Trolleys are not designed for passenger elevator applications and must not be used for this purpose. Selection and calculation of the proper beam construction are the responsibility of the user.



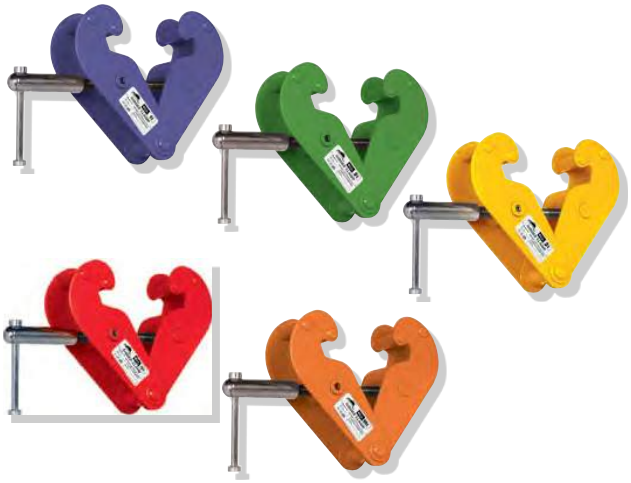
1 - 5 tonne



10 - 30 tonne



1 - 30 tonne



YC INDUSTRIAL GIRDER CLAMPS 1000kg - 10t

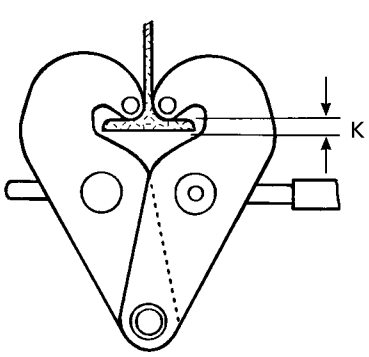
FEATURES & BENEFITS

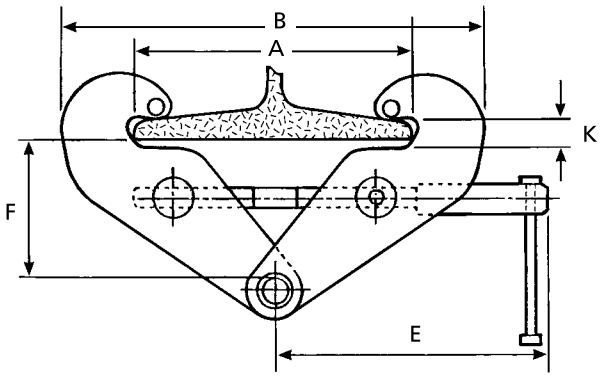
- Threaded adjustment mechanism easily attaches to beam or girder flange providing a safe and secure grip
- Additional safety provided by threaded adjustment screws
- Adjustable to fit wide range of flange widths and beams
- Special clap jaw design applies load away from edge of flange, reducing flange stress
- Stainless steel ID plate for traceability
- Colour coded to match international lifting standards

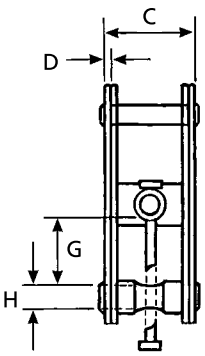
STANDARDS
Complies to AS4991

PRODUCT CODE			270010Y	270020Y	270030Y	270050Y	270100Y
WORKING LOAD LIMIT		t	1.0	2.0	3.0	5.0	10.0
COLOUR CODE			Violet	Green	Yellow	Red	Orange
A	(MAX.)	mm	241	241	335	335	326
B	(MIN.)	mm	183	183	236	244	268
	(MAX.)	mm	325	325	460	457	480
C		mm	83	88	112	122	143
D		mm	4	6	8	10	12
E		mm	220	220	271	271	280
F	(MIN.)	mm	125	125	190	190	181
	(MAX.)	mm	162	162	239	239	233
G	(MIN.)	mm	48	48	76	76	67
H		mm	20	22	24	30	40
K	(MIN.)	mm	13	13	25	26	20
	(MAX.)	mm	17	17	38	38	28
M ADJUSTABLE BEAM WIDTH		mm	75-230	75-230	80-320	90-320	90-320
NET WEIGHT		kg	4	5	9	11	18

For more information on our special pricing available bulk/pail sales, please contact our Customer Care Team.







GIRDER TROLLEYS

BEAVER®



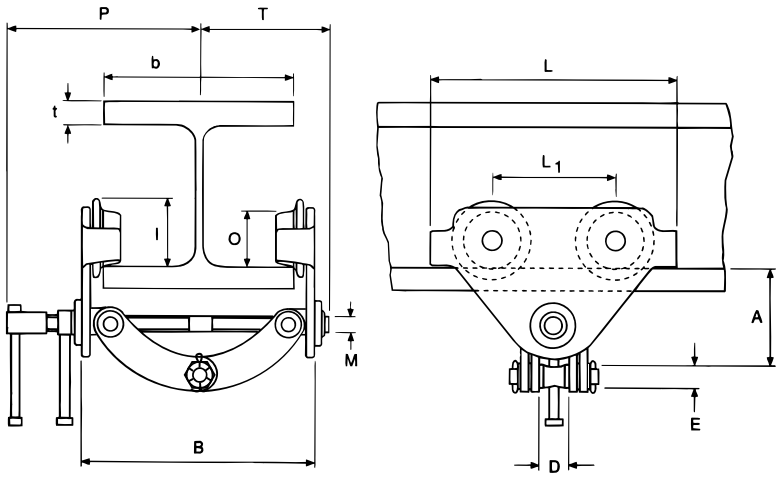
INTEGRAL PUSH TROLLEY AND GIRDER CLAMP

FEATURES & BENEFITS

- Designed to provide a quick and easy attachment to overhead beams
- The integral clamp is adjustable to the beam width in the same manner as the Girder Clamp (model YC), by rotating the threaded spindle
- For additional safety the threaded adjustment mechanism is secured by tightening the locking lever against the sideplate
- Easily adjustable to suit a wide range of flange widths and beams from 75mm to 200mm
- Built-in load bar for reduced headroom

STANDARDS
Complies to AS1418.2

PRODUCT CODE		270010YT	270020YT
WORKING LOAD LIMIT	t	1.0	2.0
A	mm	80-152	106-155
D	mm	42	42
E	mm	20	20
I	mm	71.5	71.5
L	mm	260	260
L1	mm	130	130
M	mm	M16	M18
O	mm	60	60
P	mm	195	205
T	mm	155	139
t	mm	25	25
BEAM WIDTH	mm	75-200	75-200
NET WEIGHT	kg	9.40	9.90



LIFTALL

3 PHASE ELECTRIC TROLLEY MODEL TYPE: BET. 415V 50Hz

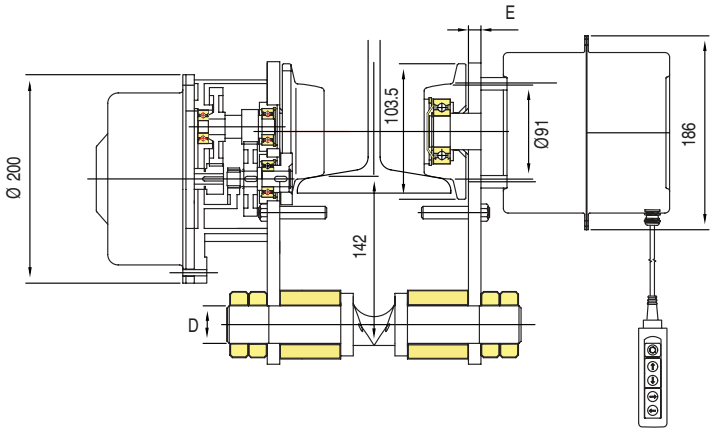


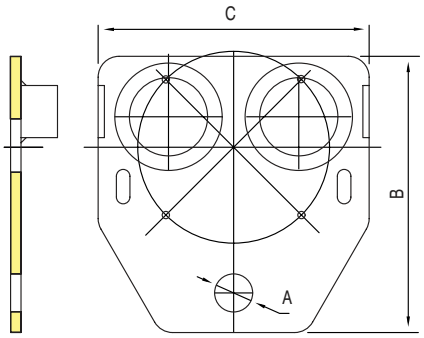
FEATURES & BENEFITS

- Side rollers to better guide the trolley along beam
- Traveling brake ensures positive operation and long life.
- Un-flanged wheels which suit both parallel and tapered flanged beams
- Adaptable to suit wide beams
- Low maintenance
- 5 Button IP65 European pendant control with emergency stop

STANDARDS
Complies to AS1418.2

PRODUCT CODE	RATED CAPACITY (kg)	BEAM WIDTH (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	RUNNING SPEED (m/min)	INS CLASS	% ED	NET WEIGHT (kg)
BET1000	1000	75 - 180	27.5	265	260	27	10	20	B	20	34
BET2000	2000	75 - 180	36.5	265	260	36	10	20	B	20	35
BET3000	3000	75 - 180	42.5	265	260	42	12	15	B	20	37





LIFTALL



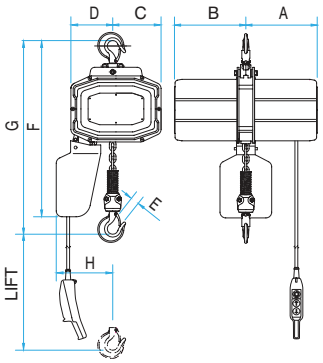
SINGLE PHASE ELECTRIC HOISTS
MODEL: BEL-1 240V 50Hz

FEATURES & BENEFITS

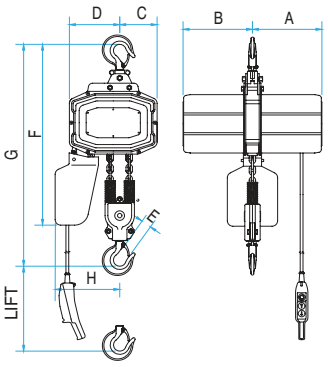
- Overload clutch to prevent damage from overloading
- Powder coated finish
- Grade T(80) zinc plated, calibrated European Load Chain
- Chain inspection gauge supplied with every hoist
- IP54 protection
- Contractor isolation Emergency Stop
- Pendant control suspended by external wire rope (Strainer Wire)
- Sealed swivel bearing in bottom hook for 360° operation

STANDARDS
Complies to AS1418.2

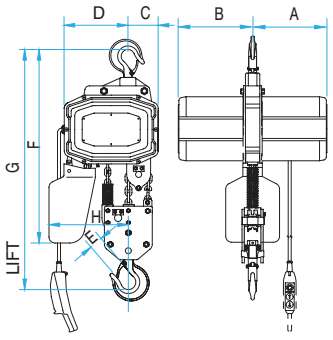
PRODUCT CODE	RATED CAPACITY (kg)	LIFT HEIGHT (m)	LIFTING SPEED (m/min 50Hz)	HOIST MOTOR SINGLE PHASE			LOAD CHAIN		TEST	MIN. HEADROOM G (mm) MAX.	MIN. WEIGHT (kg) APPROX.
				OUTPUT (kW) 50Hz	INS CLASS	% ED	DIA. (mm)	NO. OF FALLS	LOAD (t)		
BEL1053S	500	3	5	0.6	E	40	7.0	1	0.625	545	64
BEL1056S	500	6	5	0.6	E	40	7.0	1	0.625	545	68
BEL1103S	1000	3	5	1.2	E	40	7.0	1	1.25	595	65
BEL1106S	1000	6	5	1.2	E	40	7.0	1	1.25	595	69
BEL1203SD	2000	3	2.5	1.2	E	40	7.0	2	2.5	700	72
BEL1206SD	2000	6	2.5	1.2	E	40	7.0	2	2.5	700	79
BEL1303ST	3000	3	1.3	1.2	E	40	7.0	3	3.75	790	80
BEL1306ST	3000	6	1.3	1.2	E	40	7.0	3	3.75	790	90



500kg & 1,000kg - Single Fall



2,000kg - Double Fall



3,000kg - Triple Fall

PRODUCT CODE	RATED CAPACITY (kg)	MAJOR DIMENSIONS APPROX.						
		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	H (mm)
BEL1053S	500	249	249	168	146	25	565	195
BEL1056S	500	249	249	168	146	25	565	195
BEL1103S	1000	249	249	168	146	30	614	195
BEL1106S	1000	249	249	168	146	30	614	195
BEL1203SD	2000	249	249	180	134	33	665	235
BEL1206SD	2000	249	249	180	134	33	665	235
BEL1303ST	3000	249	249	180	134	41	760	360
BEL1306ST	3000	249	249	180	134	41	760	360

Longer lift heights are available on request. Pendant length is 1 metre less than lift height (as Standard).
All hoists supplied with top suspension hook. IP 54 rating on all hoists.

LIFTALL



3 PHASE ELECTRIC HOISTS
MODEL: BEL 415V 50Hz

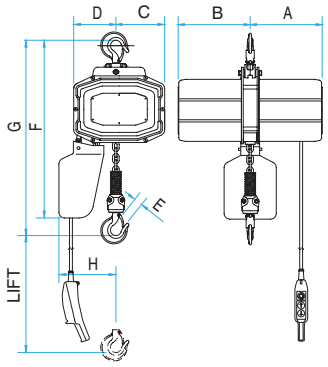
FEATURES & BENEFITS

- Overload clutch to prevent damage from overloading
- Powder coated finish
- Grade T(80) zinc plated, calibrated European Load Chain
- Chain inspection gauge supplied with every hoist
- IP54 protection
- Contractor isolation Emergency Stop
- Pendant control suspended by external wire rope (Strainer Wire)
- Sealed swivel bearing in bottom hook for 360° operation

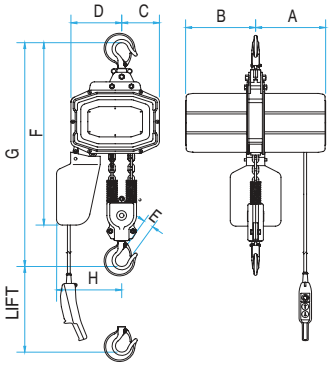
STANDARDS

Complies to AS1418.2

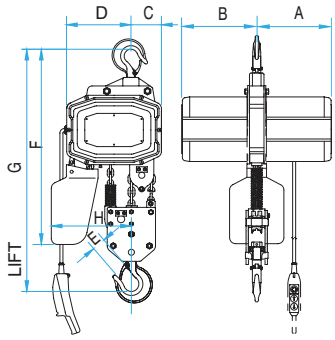
PRODUCT CODE	RATED CAPACITY (kg)	LIFT HEIGHT (m)	LIFTING SPEED (m/min 50Hz)	HOIST MOTOR SINGLE PHASE			LOAD CHAIN		TEST	MIN. HEADROOM G (mm) MAX.	MIN. WEIGHT (kg) APPROX.
				OUTPUT (kW) 50Hz	INS CLASS	% ED	DIA. (mm)	NO. OF FALLS	LOAD (t)		
BEL2053S	500	3	6.3	0.8	F	40	1	0.625	545	64	64
BEL2056S	500	6	6.3	0.8	F	40	1	0.625	545	68	68
BEL2103S	1000	3	6.3	1.6	F	40	1	1.25	595	65	65
BEL2106S	1000	6	6.3	1.6	F	40	1	1.25	595	69	69
BEL2203SD	2000	3	3.2	1.6	F	40	2	2.5	700	72	72
BEL2206SD	2000	6	3.2	1.6	F	40	2	2.5	700	79	79
BEL2303ST	3000	3	2.1	1.6	F	40	3	3.75	790	80	80
BEL2306ST	3000	6	2.1	1.6	F	40	3	3.75	790	90	90



500kg & 1,000kg - Single Fall



2,000kg - Double Fall



3,000kg - Triple Fall

PRODUCT CODE	RATED CAPACITY (kg)	MAJOR DIMENSIONS APPROX.						
		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	H (mm)
BEL2053S	500	249	249	168	146	25	565	195
BEL2056S	500	249	249	168	146	25	565	195
BEL2103S	1000	249	249	168	146	30	614	195
BEL2106S	1000	249	249	168	146	30	614	195
BEL2203SD	2000	249	249	180	134	33	665	235
BEL2206SD	2000	249	249	180	134	33	665	235
BEL2303ST	3000	249	249	180	134	41	760	360
BEL2306ST	3000	249	249	180	134	41	760	360

Longer lift heights are available on request. Pendant length is 1 metre less than lift height (as Standard).
All hoists supplied with top suspension hook. IP 54 rating on all hoists.

ELECTRIC HOISTS & TROLLEYS

HITACHI
Inspire the Next

HITACHI ELECTRIC HOIST 250kg - 5t



FEATURES & BENEFITS

- Three phase or single phase
- Dual or single speed IP65 pendant with 24V control
- Nickel-plated grade 80 load chain as standard
- Electro-mechanical overload limiter
- Full current and shunt limit switches operate in both directions
- Electro-magnetic, self-adjusting disc type brake
- Reverse phase protection relay (excluding 250kg and 500kg)

3 PHASE / SINGLE SPEED HOISTS - 415V, 50HZ

PRODUCT CODE	RATED CAPACITY (t)	LIFT (m)	CONTROL LENGTH (m)	VOLTAGE	LIFTING SPEED (m/min)	E.D RATING (%)	CHAIN FALLS	LOAD CHAIN DIMENSIONS (mm)	NET WEIGHT (kg)	MODEL
HEH010L	0.25	3	2	415	10	40	1	6.3 X 19.1	33	1/4L
HEH050L	0.5	3	2	415	7.2	40	1	6.3 X 19.1	35	1/2L
HEH100	1	3	2	415	4.6	30	1	7.1 X 20.2	39	1S
HEH110	1	3	2	415	7.1	30	1	7.1 X 20.2	44	1F
HEH200	2	3	2	415	2.3	25	2	7.1 X 20.2	51	2S
HEH210	2	3	2	415	6.8	30	1	10 X 30.2	100	2F
HEH300	3	3	2	415	4.1	30	2	10 X 30.2	119	3F
HEH500	5	3	2	415	2.8	30	3	10 X 30.2	151	5F

3 PHASE / TWO SPEED HOISTS – 415V, 50Hz

PRODUCT CODE	RATED CAPACITY (t)	LIFT (m)	CONTROL LENGTH (m)	VOLTAGE	LIFTING SPEED (m/min)	E.D RATING (%)	CHAIN FALLS	LOAD CHAIN DIMENSIONS (mm)	NET WEIGHT (kg)	MODEL
HEH020L	0.25	3	2	415	10 / 2.5	30	1	6.3 X 19.1	33	1/4LN
HEH060L	0.5	3	2	415	7.2 / 1.8	30	1	6.3 X 19.1	35	1/2LN
HEH120	1	3	2	415	4.6 / 1.2	25	1	7.1 X 20.2	41	1SN
HEH220	2	3	2	415	2.3 / 0.6	25	2	7.1 X 20.2	53	2SN
HEH230	2	3	2	415	6.8 / 1.7	30	1	10 X 30.2	116	2FN
HEH330	3	3	2	415	2.8 / 0.7	30	2	10 X 30.2	132	3FN
HEH530	5	3	2	415	2.8 / 0.7	30	3	10 X 30.2	164	5FN

SINGLE PHASE / SINGLE SPEED HOISTS – 240V, 50 Hz

PRODUCT CODE	RATED CAPACITY (t)	LIFT (m)	CONTROL LENGTH (m)	VOLTAGE	LIFTING SPEED (m/min)	E.D RATING (%)	CHAIN FALLS	LOAD CHAIN DIMENSIONS (mm)	NET WEIGHT (kg)	MODEL
HEH900L	0.25	3	2	240	5	25	1	6.3 X 19.1	36	1/4LS
HEH907L	0.5	3	2	240	3.6	25	1	6.3 X 19.1	38	1/2LS
HEH911	1	3	2	240	2.3	20	1	7.1 X 20.2	43	1S1
HEH920	2	3	2	240	1.1	20	2	7.1 X 20.2	52	2S1

3 PHASE / ELECTRIC TROLLEYS – 415V, 50Hz

PRODUCT CODE	RATED CAPACITY (t)	BEAM WIDTH RANGE (mm)	VOLTAGE	SPEED (m/min)	MODEL
HET100	1	75 - 125	415	10.5	1ET
HET200	2	100 - 150	415	10.5	2ET
HET300	3	100 - 150	415	10.5	3ET
HET500	5	125 - 175	415	10.5	5ET



KITO ELECTRIC CHAIN HOISTS 250kg - 20t

FEATURES & BENEFITS

- Easy to use
- Offers thermal protection to prevent overheating
- Upper and lower limit switches
- CH (Counter/Hour) meter and variable speed inverter as standard equipment

ER2 SERIES ELECTRIC CHAIN HOIST: SINGLE SPEED

PRODUCT CODE 3 (m)	PRODUCT CODE 6 (m)	CAPACITY (t)	MODEL	LIFTING SPEED (m/min)	LOAD CHAIN DIA (mm) X FALL	HEADROOM (mm)
45801	45961	0.25	ER2-003S	9.1	4.3 X 1	350
45802	45962	0.5	ER2-005L	3.8	6.0 X 1	370
45803	45963	0.5	ER2-005S	7.3	6.0 X 1	370
45804	45964	1.0	ER2-010L	3.5	7.7 X 1	430
45805	45965	1.0	ER2-010S	7.1	7.7 X 1	430
45806	-	1.5	ER2-015S	4.5	10.2 X 1	510
45807	45966	2.0	ER2-020L	3.7	10.2 X 1	575
45808	-	2.0	ER2-020S	7.0	10.2 X 1	590
45809	-	2.5	ER2-025S	5.7	11.2 X 1	625
45810	-	3.0	ER2-030S	4.4	10.2 X 2	785
45811	-	5.0	ER2-050S	2.9	11.2 X 2	850

5 metre power supply cable (plug not included) Australian Standard AS1418.2, ASME HST (USA) H4 Duty Class ISO Heavy Duty Classification M4 & M5, FEM (Europe) 1Am & 2m rating.

ER2 SERIES ELECTRIC CHAIN HOIST: DUAL SPEED WITH INVERTER

PRODUCT CODE 3 (m)	CAPACITY (t)	MODEL	LIFTING SPEED (m/min)	LOAD CHAIN DIA (mm) X FALL	HEADROOM (mm)
45821	0.25	ER2-003IS	10.8-1.8	4.3 X 1	350
45822	0.5	ER2-005IL	4.5-0.8	6.0 X 1	370
45823	0.5	ER2-005IS	8.5-1.4	6.0 X 1	370
45824	1.0	ER2-010IL	4.2-0.7	7.7 X 1	430
45825	1.0	ER2-010IS	8.2-1.4	7.7 X 1	430
45826	1.5	ER2-015IS	5.3-0.9	10.2 X 1	510
45827	2.0	ER2-020IL	4.3-0.7	10.2 X 1	575
45828	2.0	ER2-020IS	8.2-1.4	10.2 X 1	590
45829	2.5	ER2-025IS	6.6-1.1	11.2 X 1	625
45830	3.0	ER2-030IS	5.2-0.9	10.2 X 2	785
45831	5.0	ER2-050IS	3.3-0.6	11.2 X 2	850

5 metre power supply cable (plug not included) Australian Standard AS1418.2, ASME HST (USA) H4 Duty Class ISO Heavy Duty Classification M4 & M5, FEM (Europe) 1Am & 2m rating.



KITO MR2 ELECTRIC CHAIN HOIST AND MOTORISED TROLLEY 250kg - 5t

FEATURES AND BENEFITS

- Available in three-phase models (single-phase in the EQ series)
- Dual-speed inverted (Standard) ensures smoother, more precise load control and reduces load swing
- Double safety system (Standard) includes a patented friction clutch and strong limit switches for better protection
- Nickel-plated load chain (Standard) resists corrosion and wear for longer life
- Aluminium die-cast body provides strength and durability, better than plastic covers
- Ergonomic and quiet operation improves comfort and productivity

CAPACITY (t)	MODEL	HEADROOM* (mm)	BEAM RANGE STANDARD	BEAM RANGE OPTIONAL	UOM PACK QTY		MIN RADIUS
					SINGLE SPEED	DUAL SPEED	
0.25	ER2M003	375	58-153	154-305	20 (standard) or 10 (optional)	24/4	0.8
0.5	ER2M005	395	58-153	154-305			0.8
1.0	ER2M010	435	58-153	154-305			0.8
1.5	ER2M015	505	82-178	179-305			0.8
2.0	ER2M020	570	82-178	179-305			0.8
2.5	ER2M025	620	82-178	179-305			1.0
3.0	ER2M030	765	82-178	179-305			1.0
5.0	ER2M050	840	100-178	179-305			1.8

*Applicable to both single and dual speed models 10 meter power supply cable (plug not included) with cable trolleys.

PERMANENT MAGNET LIFTER

PERMANENT MAGNET LIFTER



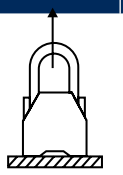
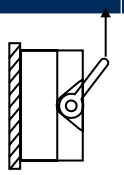
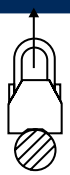
FEATURES & BENEFITS

- Due to high magnetic properties of the magnetic lifter the relevant size of the unit is smaller compared to other products with the same lifting capacity
- As the magnetic lifter is not electrically operated, accidents due to sudden power failure are avoided
- Magnetic lifter can also be used outdoors or on site without the need for a power supply
- 'V' slots incorporated into the holding face allowing it to be used to lift pipes or round bar work pieces
- Safety locking mechanism on the handle prevents the magnetic lifter from accidentally being released
- Comes complete with a rated shackle that is stamped with the Working Load Limit (WLL); Test No.; Serial No.; Month and Year of manufacture and the European standard compliance mark (CE)

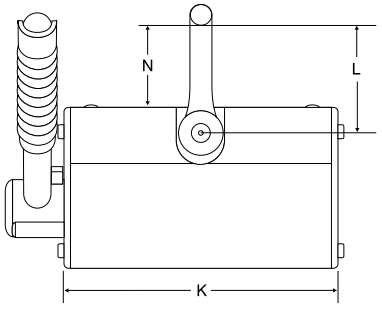
STANDARDS
Complies to AS4991

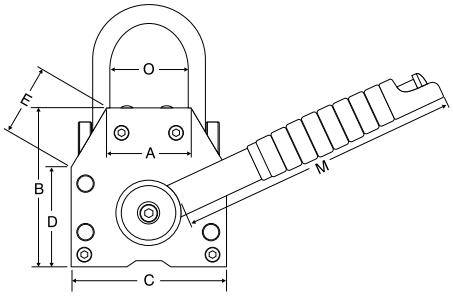
PRODUCT CODE	MODEL NUMBER	RATED CAPACITY FLAT PLATE WLL (kg)	WEIGHT (kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	K (mm)	L (mm)	M (mm)	N (mm)	O (mm)	MAX HANDLE TURNING FORCE
262010	BML-010	100	3	29	70	64	46	30	92	50	127	39	32	<4
262030	BML-030	300	10	40	96	88	63	41	165	75	158	59	45	<8
262060	BML-060	600	24	52	120	118	74	57	236	110	199	88	60	<8
262100	BML-100	1000	50	88	168	168	113	68	264	137	240	110	96	<16

Rated Lifting Capacities

MODEL	PRODUCT CODE	HORIZONTAL	VERTICAL	CYLINDRICAL
				
BML-010	262010	100kg	30kg	30kg
BML-030	262030	300kg	100kg	100kg
BML-060	262060	600kg	200kg	200kg
BML-100	262100	1t	300kg	300kg







Working temperature -40°C to 80°C

WARNING

The above table is based on flat ferrous steel and must be read in conjunction with Steel Thickness and Air Gap Charts opposite.

TOWNLEY
FORGING AUSTRALIAN QUALITY

ALFRA TML LIFTING MAGNETS

FEATURES & BENEFITS

- Increased power to weight ratio (Up to 70% lighter than traditional lifting magnets)
- Lifting of thinner materials (2mm flat products and above)
- Pivots 180° and allows for 360° rotation
- Significant increase in weld zone area (Weld at a distance of 15mm from the edge of the magnet)
- Very limited recoil when deactivating the magnet
- Clever design allows for use between the flanges of a steel beam





PRODUCT CODE	MAX LOAD BEARING CAPACITY (kg)	BREAKAWAY FORCE (kg)	MIN. MATERIAL THICKNESS (mm)	UNIT WEIGHT (kg)	DIMENSIONS (LxW) (mm)
TMH 50	50	300kg on 6mm steel S235	2	1.6	126 x 80
TML100	100	300kg on 6mm steel S235	2	1.7	82.5 x 80
TML250	250	750kg on 10mm S235	2	3.5	191 x 71
TML500	500	1,500kg on 15mm S235	2	7.3	265 x 118
TML1000	1000	3,400kg on 12mm steel S235	3	18	405 x 154
ROUND MATERIAL					
TML 50R	50	>270kg on 6mm steel S235	2	1.6	126 x 80
TML 90R	90	>270kg on 6mm steel S235	2	1.8	82.5 x 80
TML 400R	400	>1200kg on 15mm S235	2	8.2	265 x 118

AIR HOISTS

J·D·NEUHAUS 1748 permanent excellence

JDN PROFI AIR HOISTS 250kg - 20t



FEATURES & BENEFITS

- European zinc-plated grade 80 load chain
- 100% duty rating and unlimited duty cycle suits all environmental conditions
- Continuous operation across temperatures from -20°C to +70°C
- Patented pre-lube motor design for low maintenance, oil-free operation
- Equipped with overload protection as standard
- ATEX zone 1/21 2/22

PRODUCT CODE	JDN704	JDN707	JDN716	JDN720	JDN726	JDN736
RATED CAPACITY (t)	0.25	0.5	1	1.6	2	3.2
LIFT (m)	3	3	3	3	3	3
CONTROL LENGTH (m)	2	2	2	2	2	2
LIFTING SPEED (m/min)	20	11	5.5	1.3 - 2	2.7	1.3 - 2
CHAIN FALLS	1	1	1	1	2	1
AIR PRESSURE (BAR)	6	6	6	4-6	6	6
ATEX ZONE	1/21	1/21	1/21	1/21	1/21	1/21
LOAD CHAIN DIMENSIONS (mm)	7 x 21	7 x 21	7 x 21	9 x 27	7 x 21	13 x 36

PRODUCT CODE	JDN733	JDN766	JDN776	JDN786	JDN796
RATED CAPACITY (t)	3.2	6.3	10	16	20
LIFT (m)	3	3	3	3	3
CONTROL LENGTH (m)	2	2	2	2	2
LIFTING SPEED (m/min)	5	2.5	1.6	1	0.7
CHAIN FALLS	2	2	2	3	4
AIR PRESSURE (BAR)	4-6	6	6	6	6
ATEX ZONE	1/21	1/21	1/21	1/21	1/21
LOAD CHAIN DIMENSIONS (mm)	9 x 27	13 x 36	16 x 45	16 x 45	16 x 45

J·D·NEUHAUS
1745 permanent excellence

JDN MINI AIR HOISTS 125kg - 980kg



FEATURES & BENEFITS

- European zinc-plated grade 80 load chain
- 100% duty rating and unlimited duty cycle
- Productive due to an 800-hour service life
- ATEX Zone 2/22 - Able to be used in medium-risk explosive atmospheres
- Limit switches shut off as soon as the puffer touches the shut-off valve, braking the chain and preventing overload

STANDARDS
Complies to AS1418.2.

PRODUCT CODE	JDN125	JDN250	JDN500	JDN605
RATED CAPACITY (kg)	125	250	500	980
LIFT (m)	3	3	3	3
CONTROL LENGTH (m)	2	2	2	2
LIFTING SPEED (m/min)	20	10	12.5	6.3
CHAIN FALLS	1	1	1	1
AIR PRESSURE (BAR)	6	6	6	6
ATEX ZONE	2/22	2/22	2/22	2/22
LOAD CHAIN DIMENSIONS (mm)	4.7 x 14.1	4.7 x 14.1	7.4 x 22	7.4 x 22
NET WEIGHT (kg)	10	10	20.5	21



AIR HOISTS

TOKU



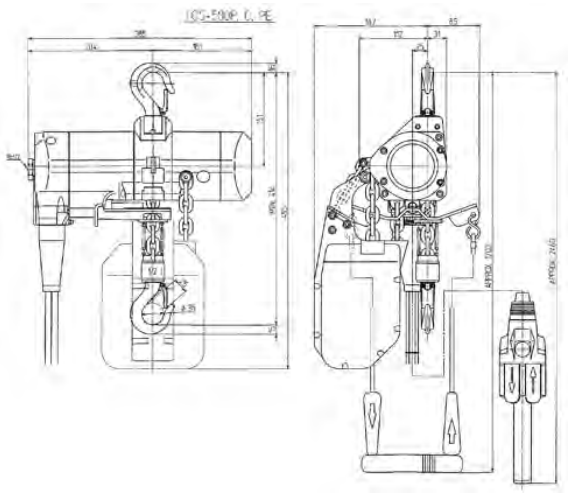
TOKU AIR HOISTS 250kg - 990kg

FEATURES AND BENEFITS

- Overload protection including auto-stop on all units (except TCR-250 models)
- Limit stop prevents over-travelling of hook when the load hook reaches either highest or lowest points
- Failsafe mechanism ensures load cannot fall as a result of power loss
- Improved and strengthened cast iron housing provides durability and reliability
- 100% duty cycle, flame/explosion proof motor
- Toku Air Hoists come in standard models up to 6000kg with larger capacity 10 and 25 tonne versions available to order

PRODUCT CODE/MODEL	LIFTING CAPACITY (kg)	NO. OF CHAIN FALLS	LIFTING SPEED						MIN HOOK DISTANCE (mm)	CHAIN DIMENSION (mm)	HOSE SIZE (mm)
			LOAD (UP) (m/min)	AIR CONS (m^3/min)	LOAD (DOWN) (m/min)	AIR CONS (m^3/min)	WEIGHT WITH 3M LIFT CHAIN (kg)	W/O CHAIN (kg)			
TCS-250P	250	1	34.0	1.7	63.0	2.0	19.0	16.0	414	6.3 X 19	12.7
TCS-250C	250	1	34.0	1.7	63.0	2.0	18.0	15.0	414	6.3 X 19	12.7
TCS-500P	490	1	17.0	1.7	34.0	2.0	19.0	16.0	414	6.3 X 19	12.7
TCS-500C	490	1	17.0	1.7	34.0	2.0	18.0	15.0	414	6.3 X 19	12.7
TCS-1000P2	990	2	8.5	1.7	17.0	2.0	25.0	19.0	456	6.3 X 19	12.7
TCS-1000C2	990	2	8.5	1.7	17.0	2.0	24.0	18.0	456	6.3 X 19	12.7

Note: Standard Lift for all above models is 3m. Operating Air pressure is 0.6Mpa



MODEL	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	K (mm)	L (mm)	M (mm)	N (mm)	O (mm)
TCS-250P	365	161	204	151	414	555	15	25	112	31	25	85	197	-	2480
TCS-250PE	365	161	204	151	414	555	15	25	112	31	25	85	197	-	2480
TCS-250C	365	161	204	151	414	555	15	25	112	31	25	85	197	1700	-
TCS-500P	365	161	204	151	414	555	15	25	112	31	25	85	197	-	2480
TCS-500PE	365	161	204	151	414	555	15	25	112	31	25	85	197	-	2480
TCS-500C	365	161	204	151	414	555	15	25	112	31	25	85	197	1700	-
TCS-1000P	365	161	204	173	456	577	29.5	29	136	37	49	70	221	-	2500
TCS-1000P2E	365	161	204	173	456	577	29.5	29	136	37	49	70	221	-	2500
TCS-1000C	365	161	204	173	456	577	29.5	29	136	37	49	70	221	1720	-

TOKU



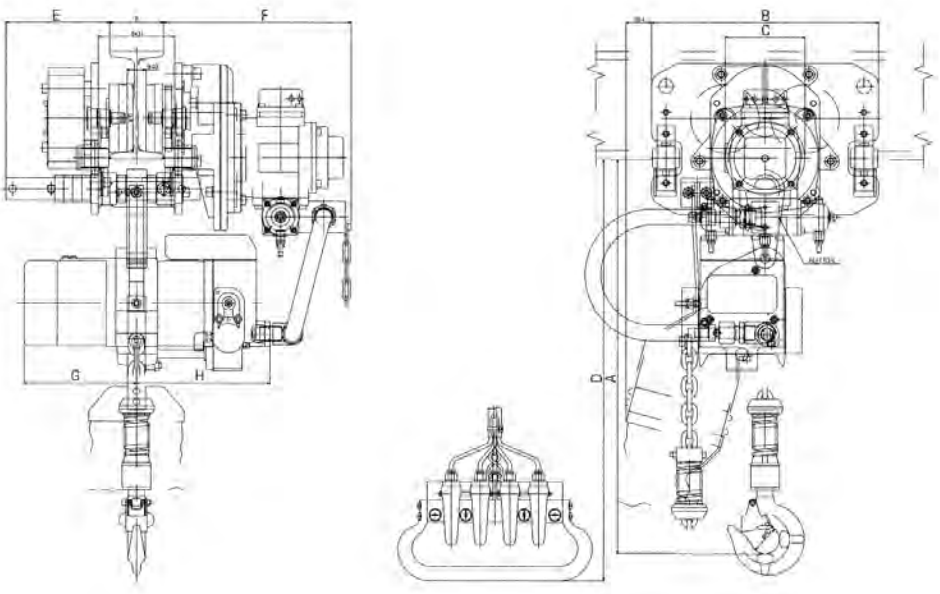
TMTCR TROLLEY AIR HOISTS 500kg - 6000kg

FEATURES AND BENEFITS

- Solid construction with all steel/casting construction
- Durability – The 4 Flageless wheels and 2 drive wheels allow low friction and smooth stopping operation, whilst providing excellent performance
- Automatic Brake – which does not require preliminary adjustment
- 100% duty cycle, flame/explosion proof motor

PRODUCT CODE/MODEL	TMTCR-500P			TMTCR-1000P2			TMTCR-1000P			TMTC-2000P2			TNTCR-3000P			TMTCR-6000P2		
TROLLEY MODEL	TMTNC-1			TMTNC-1			TMTNC-1			TMTNC-3			TMTNC-3			TMTNC-6		
LIFTING CAPACITY (kg)	500			1000			1000			2000			3000			6000		
WEIGHT (W/O CHAIN) (kg)	79			79.5			83			97			125			157.5		
AIR CONSUMPTION (m^3/min)	1.5			1.5			1.5			1.5			2			2		
TRAVELLING SPEED (W/O LOAD) (m/min)	20			20			20			20			20			20		
APPLIED BEAM SIZE (mm)	75	100	125	75	100	125	75	100	125	100	125	150	100	125	150	125	150	175
MIN. RADIUS OF BEAM (mm)	3500	800	800	3500	800	800	3500	800	800	1300	800	800	1300	800	800	2000	2000	2000

External Dimensions



MODEL	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)
TMTCR-500P	490	315	111	2240	144	261	156	186
TMTCR-1000P2	497	315	111.3	2250	143.7	252.5	156	164.5
TMTCR-1000P	446	315	111.3	2250	143.7	252.5	156	164.5
TMTCR-2000P2	592	340	140	2240	163	266	156	186
TMTCR-3000P	554	340	140	2240	163	266	202	247
TMTCR-6000P2	660	400	156	2240	193	276	202	247

WINCHES

SINGLE PHASE ELECTRIC WINCHES 240V 50Hz





FEATURES AND BENEFITS

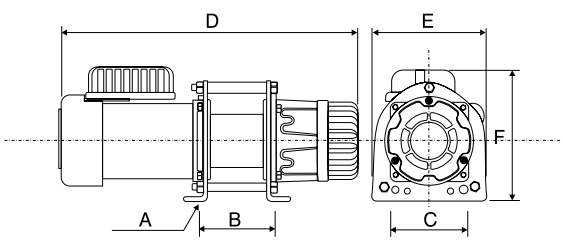
- Supplied with 24 Volt IP65 Pendant Control with Emergency Stop
- Power transmission via a direct coupling, ensures low power loss and accurate speed control
- Unique braking system designed for both static and dynamic loading. No adjustment of brake necessary
- Large friction area brake discs automatically apply in event of power loss
- Durable one piece gearbox housing
- Compact, low noise planetary gears for better load sharing and reduction of the winch's overall weight
- Steel main drive gear provides maximum strength and increased life
- Sealed, lubricated bearings

PRODUCT CODE	RATED CAPACITY (kg)	SPEED (m/min)	MOTOR POWER (hp)	% ED	EFFECTIVE PULL HEIGHT (m)	WIRE ROPE DIA. X LENGTH (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	WEIGHT EACH (kg)
BPL1025	250	10-15	1.0	25	29	6 X 30	4 X 10.5Ð	142	142	525	210	246	40
BPL1030	300	10-15	1.5	25	29	7 X 30	4 X 10.5Ð	172	142	540	210	246	49

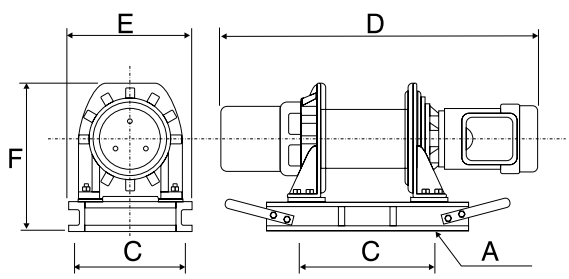
ELECTRIC WINCHES 415V 50Hz (3 PHASE MODELS)

PRODUCT CODE	RATED CAPACITY (kg)	SPEED (m/min)	MOTOR POWER (hp)	% ED	EFFECTIVE PULL HEIGHT (m)	WIRE ROPE DIA. X LENGTH (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	WEIGHT EACH (kg)
BPL3050	500	12-18	2.5	25	58	9 X 60	4 X 10.5D	400	330	922	372	430	136
BPL3100	1000	12-18	5.0	25	58	11 X 60	4 X 10.5D	400	330	935	372	430	156
BPL3220	2200	7-12.5	7.5	25	97	16 X 100	4 X 12Ð	600	499	1160	565	658	450

Single Phase Model



Three Phase Model



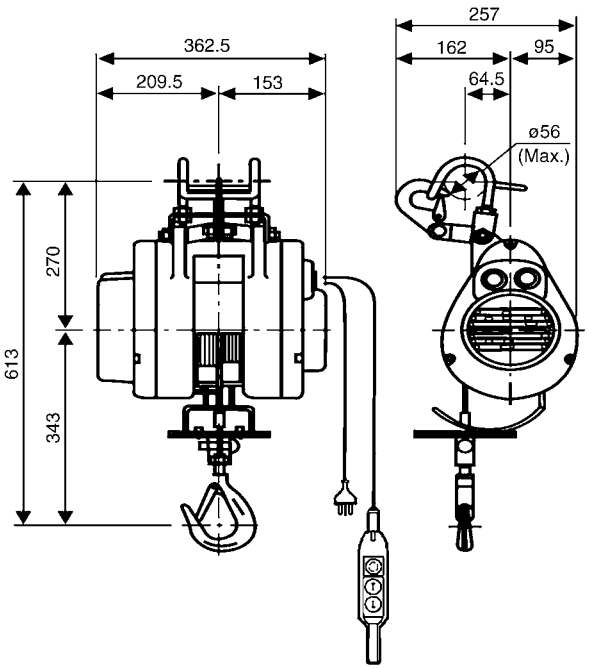


SINGLE PHASE MINI ELECTRIC HOIST WINCH 240V 50Hz

FEATURES AND BENEFITS

- Compact and robust design ideally suited to building sites
- Heavy duty motor with automatic load brake and overload clutch
- IP54 rated lightweight body
- IP65 European pendant control with emergency stop
- Upper limit switch
- Complete with 20 metres of non-rotating galvanised wire rope

PRODUCT CODE	RATED CAPACITY (kg)	SPEED (m/min)	LIFTING HEIGHT SIZE (m)	HOIST MOTOR SINGLE PHASE						
				MOTOR POWER (hp)	INPUT POWER (w)	% ED	ROPE DIA. (mm)	ROPE CONSTRUCTION	GRADE OF ROPE	WEIGHT EACH (kg)
BMI1025	250	12	20	N/A	1200	25	4.2	7 X 19	G1960MIN	30



WINCHES

COMEUP

COMEUP ELECTRIC WINCHES 200kg - 5000kg

FEATURES & BENEFITS

- Compact design for easy installation
- Electromagnetic spring-applied failsafe brake designed for both static and dynamic loading which applies automatically in the event of power loss Applies automatically when power loss
- IP65 pendant control
- Push button control supplied with all models
- Compact load sharing design of the heat-treated planetary gear ensures quiet operation and long life
- Emergency stop function switch

CWL RANGE

PRODUCT CODE	LIFTING CAPACITY (kg)	VOLTAGE	LIFTING SPEED (m/min)	CABLE DIAMETER (mm)	CABLE STORAGE CAPACITY (m)	NET WEIGHT (kg)
CWL200	200	240	11 - 16	5	46	30
CWL200L	200	240	11 - 16	5	71	33
CWL305	300	240	16 - 25	6	60	40



CWL Range

CP RANGE

PRODUCT CODE	LIFTING CAPACITY (kg)	VOLTAGE	LIFTING SPEED (m/min)	CABLE DIAMETER (mm)	CABLE STORAGE CAPACITY (m)	NET WEIGHT (kg)	MODEL
ACW200L	200	240	10 - 15	6	30	32	CP200
ACW250L	250	240	10 - 15	6	30	34	CP250
ACW300L	300	240	10 - 15	6	30	38	CP300
ACW305L	500	240	10 - 15	7	60	55	CP500
ACW306	500	415	12 - 18	7	60	54	CP500T
ACW310	750	415	10 - 15	9	60	135	CP750T



CP Range

CWG RANGE

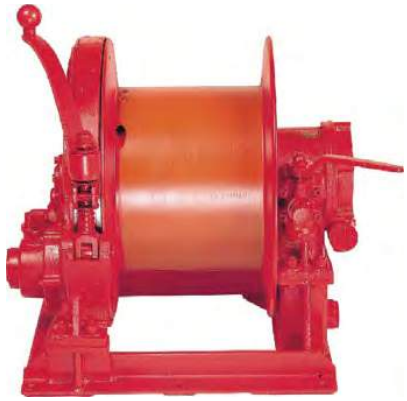
PRODUCT CODE	LIFTING CAPACITY (kg)	VOLTAGE	LIFTING SPEED (m/min)	CABLE DIAMETER (mm)	CABLE STORAGE CAPACITY (m)	NET WEIGHT (kg)	MODEL
ACW320	300	240	12 - 19	6	60	42	CWG10077
ACW345	300	415	10 - 15	6	30	32	CWG30075
ACW330	400	240	12 - 18	9	60	120	CWG10151
ACW350	500	415	12 - 18	9	60	120	CWG30151
ACW355	500	415	19 - 34	8	130	150	CWG500TH
ACW340	650	415	12 - 18	9	60	154	CWG30265
ACW375	900	415	13 - 20.6	10	60	185	CWG30375
ACW565	1100	415	14 - 25	12	100	250	CWG30565
ACW750	2200	415	6.9 - 12.6	16	100	400	CWG30750
ACW800	3500	415	5.8 - 8	18	150	800	CWG31500
ACW850	5000	415	8 - 12.2	22.4	200	1380	CWG34000



CWG Range

TOKU

TAW AIR WINCHES 300kg - 2000kg



FEATURES AND BENEFITS

- Lightweight, compact and ideal for confined spaces
- All steel rugged design
- Units come with both internal automatic failsafe brake and manual band brake
- Quick clutch allows the wire rope to be installed easily
- The spool valve controls the speed
- Dual brake system for added safety

PRODUCT CODE/MODEL	LIFTING CAPACITY (kg)	AIR PRESSURE (MPa)	ROPE SPEED (m/min)	AIR CONS (m^3/min)	WEIGHT (kg)	WIRE ROPE DIMENSION (mm × m)	HOSE SIZE (mm)	MOUNTING BOLTS (mm)
TAW-300B	300	0.4 0.5 0.6	20.0 23.8 27.0	2.7 3.0 3.4	42.5	6 × 48	19.0	M10 × 4
TAW-500	500	0.4 0.5 0.6	15.0 17.8 20.0	2.7 3.1 3.4	75	8×100	19.0	M12×4
TAW-1000	1,000	0.4 0.5 0.6	7.8 10 11.5	3.2 3.6 3.9	90	10 × 114	19.0	M12 × 6
TAW-1500A	1,500	0.4 0.5 0.6	5.9 7.3 8.5	3.2 3.7 4.1	90	12 × 60	19.0	M12 × 6
TAW-2000	2,000	0.4 0.5 0.6	4.3 5.2 5.7	4.1 4.5 4.9	130	16 × 63	19.0	M12 × 6

BEAVER®

BRAKE HAND WINCHES



FEATURES AND BENEFITS

- Cost effective and versatile
- High precision construction minimises gear noise
- Positive load actuated brake can hold the load in any position
- Lightweight, yet durable
- Mechanical components enclosed for protection and safety
- Heat-treated gears
- Strong removable handles

MODEL NO. - BARE	BHW800	BHW1200	BHW1800	BHW2600
RATED CAPACITY - PULLING (kg) (kN)	370/3.63	550/5.39	820/8.04	1200/11.77
RATED CAPACITY - HOISTING (kg)	185	275	410	600
TYPE OF BRAKE	SINGLE PAW	SINGLE PAW	DOUBLE PAW	DOUBLE PAW
MAX HAND FORCE REQ. (kg)	14.5	15	22	19
GEAR RATIO	4:1:1	4:1:1	5:1	10:1
HUB DIAMETER (mm)	Ø40	Ø50	Ø70	Ø82
HANDLE LENGTH (mm)	160	210	320	320
UNIT WEIGHT - BARE (kg)	3	3.5	8	10.5
WIRE ROPE DIAMETER (mm)	Ø4	Ø5	Ø6	Ø8
WIRE ROPE CONSTRUCTION	7X19 RHOL	7X19 RHOL	7X19 RHOL	7X19 RHOL
GRADE OF WIRE ROPE	G2070	G2070	G2070	G2070
WIRE ROPE FINISH	GALVANISED	GALVANISED	GALVANISED	GALVANISED
WIRE ROPE STORAGE CAPACITY (m)	36	23	24	18

DIGITAL LOAD CELLS



PORTABLE ALUMINIUM IN LINE SYSTEM WITH RADIO LINKED DIGITAL READOUT

The radio linked in line tension cell range is suited to all types of load monitoring, weighing, lifting, winching and towing where connection cables are not practical.

FEATURES & BENEFITS

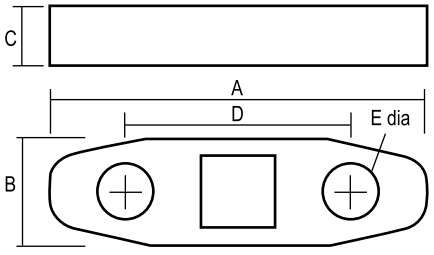
- High strength aircraft grade aluminium
- Accuracy is better than 0.5% (typically 0.1% of range)
- Safe overload 200% to 100t then 150%
- Ultimate overload 500%
- On/Off remotely, timed auto off
- 2.4GHz carrier frequency (100m range - line of sight)
- Battery life

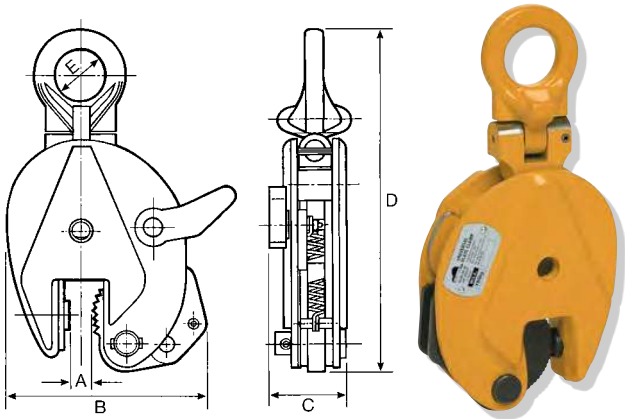
Continuous	> 40 hours (before recharge)
Typical usage	> 3 months
Standby	> 6 months

*For optimum accuracy and safety, shackle size must match cell capacity. The cells from 2-120 tonnes are for grade S shackle sizes. Above 100 tonne are for grade T.

CAPACITY (kg)	A LENGTH (mm)	B WIDTH (mm)	C PLATE THICKNESS (mm)	D HOLE CENTRES (mm)	E HOLE SIZE (mm)	F NOMINAL WEIGHT (kg)
2000	248	92	25	180	24	4
3200	248	92	30	180	26	4
6500	278	100	35	200	28	5
12000	320	124	50	220	38	6
17000	325	129	58	220	45	7
25000	370	140	70	230	57	8
35000	425	146	73	260	62	11
50000	490	164	77	292	76	15
85000	630	210	100	380	100	30
120000	630	230	135	380	110	35*
150000	688	250	148	388	118	40*
200000	890	290	173	510	130	80*
250000	890	295	198	555	145	90*

*Excludes carry case





UNIVERSAL PLATE CLAMPS

FEATURES AND BENEFITS

- Universal hinged lifting eye to lift loads from any given direction.
- Suitable for use on steel with a hardness of 37RC (345 Brinell).
- Strong all steel construction with safety lock
- Suitable for wide plates
- Hardened pressure plate and tongue

STANDARDS
UC Complies to AS 4991

PRODUCT CODE	WLL (kg)	A JAW OPENINGS (mm)	B (mm)	E (mm)	C (mm)	D (mm)	UOM	NET WEIGHT (kg)
261050	500	0 - 15	108	30	45	195	EACH	2
261075	750	0 - 14	109	30	50	200	EACH	2
261100	1000	0 - 20	145	45	72	265	EACH	5
261200	2000	0 - 25	175	65	75	368	EACH	7.5
268300	3000	0 - 28	210	71	98	415	EACH	15
268500	5000	0 - 32	245	71	100	410	EACH	18

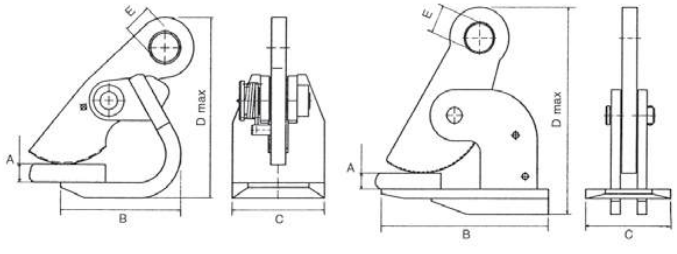


HORIZONTAL PLATE CLAMPS

FEATURES AND BENEFITS

- Heavy duty all-steel construction
- Durable baked enamel finish
- For lifting non-flexing steel plates from 0-60mm
- NOTE - Should only be used on steel with a hardness of 37RC (345 Brinell)

STANDARDS
CQ Complies to AS 4991



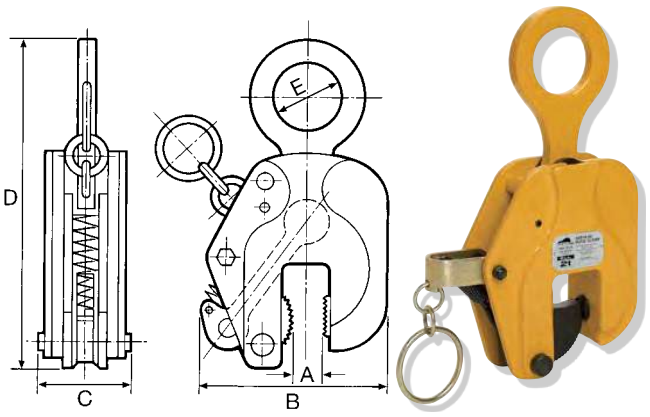
PRODUCT CODE	WLL PER PAIR (kg)	JAW OPENINGS MAX. (mm)	A (mm)	B MAX. (mm)	C (mm)	D (mm)	E (mm)	NET WEIGHT PER PAIR (kg)
250150A	1500	0 - 50	0-50	127	100	218	30	8.2
250300A	3000	0 - 50	0-50	220	110	270	36	15
250500A	5000	0 - 60	0-60	260	130	315	40	27.6

VERTICAL PLATE CLAMPS

FEATURES AND BENEFITS

- Heavy duty steel construction
- Drop forged and heat-treated alloy steel cam and jaws for long life and safe gripping power
- Spring-loaded safety lock
- Positive clamp action at commencement of a lift
- Proof load tested at time of manufacture

STANDARDS
VC Complies to AS 4991



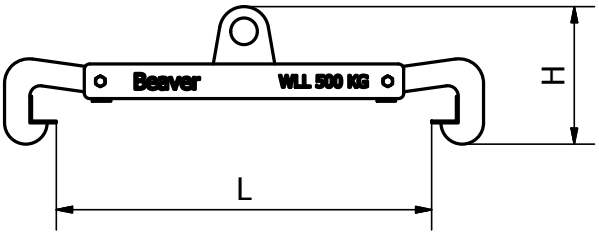
PRODUCT CODE	WLL (kg)	A JAW OPENINGS (mm)	B (mm)	C (mm)	D (mm)	E (mm)	NET WEIGHT PER PAIR (kg)
261130	1000	0-30	144	70	286	60	4.5
261240	2000	0-40	170	82.5	297	60	7.5
261350	3000	0-50	207	88	336	60	12.5

VERTICAL DRUM LIFTING CLAMPS

FEATURES & BENEFITS

- Made from high tensile steel
- Suitable for drums with a lid
- Suitable for horizontal lifting of drums up to 200L

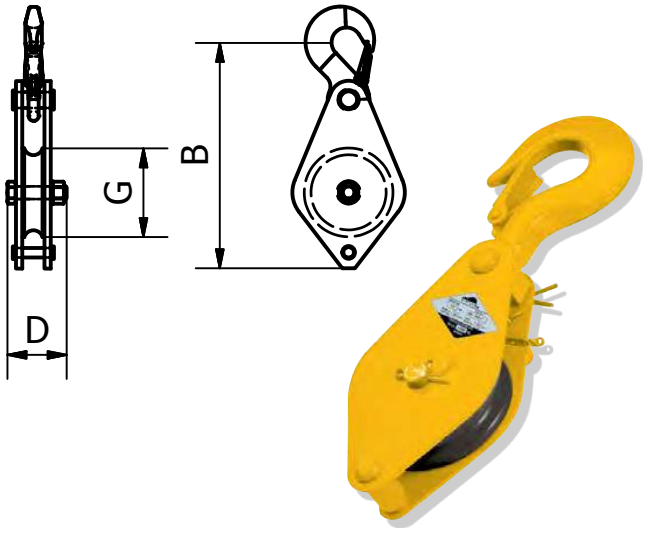
STANDARDS
Complies to AS 4991





PRODUCT CODE	WLL (t)	TYPE	L DRUM SIZE (l)	H (mm)	NET WEIGHT (kg)	UOM
262500	500	VERTICAL	200	470	5	EACH

SINGLE HAND OPERATED SHEAVE BLOCKS WITH SWIVEL HOOK



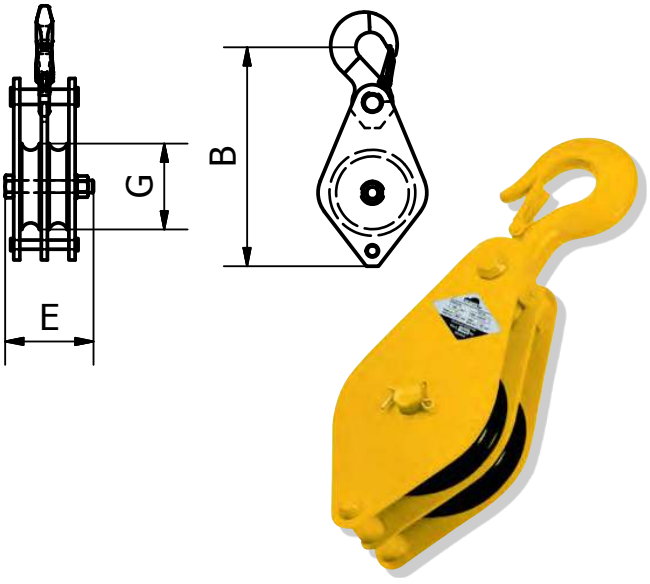
FEATURES AND BENEFITS

- Strong, robust design for use on mobile, overhead and truck cranes
- Integrated swivel hook provides flexibility and versatility, enabling secure attachment of block to various anchor points
- Includes safety latch
- Precision-engineered sheave ensures smooth movement and reduced friction
- Compact and lightweight design makes it portable and easy to carry

STANDARDS
UC Complies to AS 4991

PRODUCT CODE	G SHEAVE DIA. (mm)	WIRE DIA. (mm)	FIBRE ROPE (mm)	B (mm)	D (mm)	WLL (kg)	UOM
550063	63	5	10	168	35	250	EACH
550076	76	6	12	189	35	250	EACH
550102	102	8	16	276	48	500	EACH
550152	152	12	24	380	71	1000	EACH

DOUBLE SHEAVE BLOCKS WITH SWIVEL HOOK



FEATURES AND BENEFITS

- Strong, robust & versatile design
- Integrated swivel hook provides flexibility and versatility, enabling secure attachment of block to various anchor points
- Includes safety latch
- Precision-engineered sheave ensures smooth movement and reduced friction
- Compact and lightweight design makes it portable and easy to carry

STANDARDS
UC Complies to AS 4991

PRODUCT CODE	G SHEAVE DIA. (mm)	WIRE DIA. (mm)	FIBRE ROPE (mm)	B (mm)	E (mm)	WLL (kg)	UOM
551063	63	5	10	168	59	250	EACH
551076	76	6	12	189	59	250	EACH
551127	127	10	20	333	95	1000	EACH

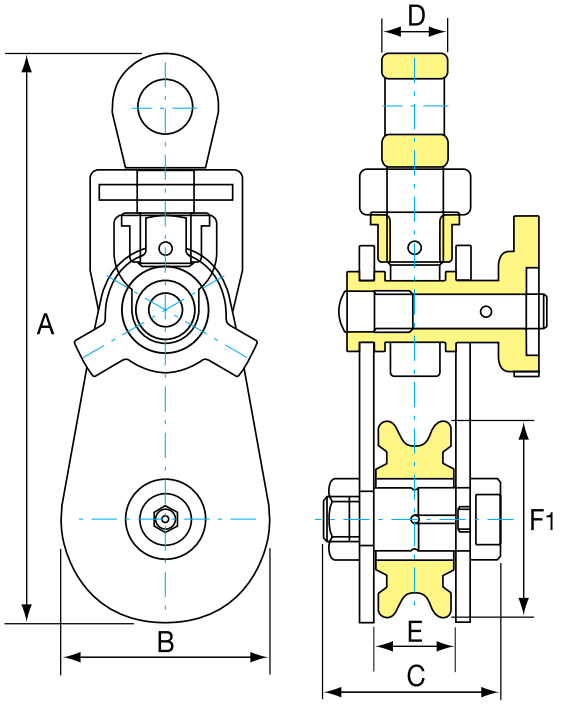
SUPER SNATCH BLOCKS

FEATURES AND BENEFITS

- Solid all-steel construction
- Easy opening mechanism ensures a fast change of wire rope while block is suspended
- Fully machined sheave
- Sealed ball bearing system,fully lubricated for maintenance free operation
- Forged steel eye designed to avoid twisting of unit during operation
- Fitted with grease nipples for ease of maintenance
- Special design of side plates restricts rope from jamming
- Operationally tested to 2 times the Working Load Limit (W.L.L.) and come with an individual test certificate
- Supplied complete with Grade 'S' safety bow shackle to AS2741
- Individual test serial number on ID plate



PRODUCT CODE	WLL (t)	WIRE ROPE DIA. (mm)	SHEAVE DIA. F (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	GRADE 'S' SAFETY BOW SHACKLE TO AS2741	WEIGHT (kg)
557210S	4000 3700	14 12	210	367	220	68	32	32	22 X 25MM	10.5
557275S	8000 6000	18 16	275	518	285	94	40	48	25 X 29MM	28.5
557395S	12000 12000	26 22	395	682	410	133.5	49	63.5	35 X 38MM	61
557420S	15000 15000	28 26	420	725	435	133.5	55	63.5	38 X 41MM	65
557480S	22000 20000	32 28	480	867	500	155	68	70	44 X 51MM	148





BIGHAUL™ WIRE ROPE HOISTS

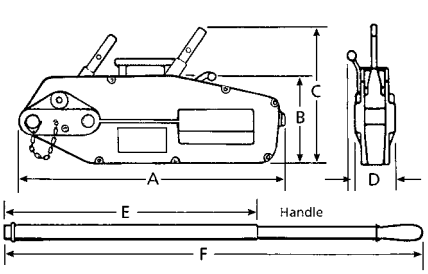
FEATURES AND BENEFITS

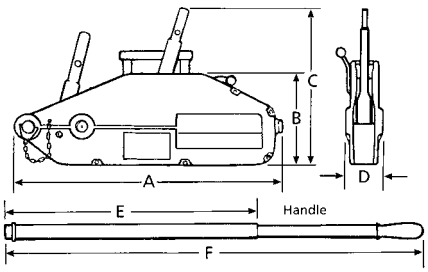
- Versatile, portable, and compact creeper rated for pulling or lifting applications
- Supplied with operating lever, and 20m of wire rope mounted on a reel.
- Lightweight, corrosion resistant aluminium body
- Inbuilt overload protection system with a shear pin in forward lever,
- Individual serial numbers for easy traceability to a test certificate
- Wire rope fitted with safety latch hook at one end and tapered at other end for easy insertion into the unit

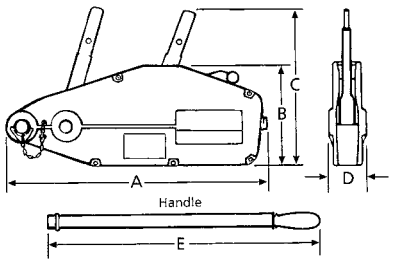
STANDARDS
Complies to AS 1418.2

PRODUCT CODE	RATED CAPACITY PULLING (kg)	RATED CAPACITY LIFTING (kg)	WIRE ROPE DIA. (mm)	STD ROPE LENGTH (m)	ROPE ADVANCED PER FULL STROKE CYCLE (mm)	EFFORT ON HANDLE AT RATED LIFTING CAPACITY; FORWARD OPERATION. (kN)	NETT WEIGHT WIRE ROPE AND REEL (kg)	A (mm)	B (mm	C (mm)	D (mm)	E (mm)	F (mm)	NETT WEIGHT WITHOUT WIRE ROPE (kg)
518508	1250	800	8.3	20	60	284	7.5	430	165	230	60	800	N/A	7.5
518516	2500	1600	11	20	60	412	12	540	190	300	75	790	1200	12
518532	5000	3200	16	20	40	441	13	660	220	330	110	790	1200	13

Note: *0.8t and 1.6t Hoist supply with Eye Sling Hook with Safety Latch, *3.2t hoist supply with Eye Swivel Self Locking Hook







LIFTING CLUTCHES, DRUM & PIPE LIFTERS



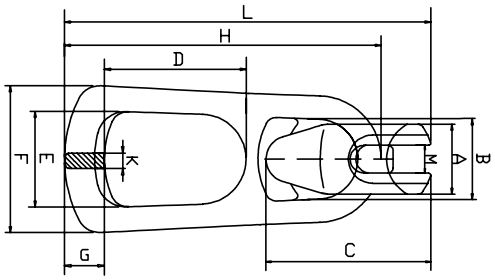
BEAVER CONCRETE LIFTING CLUTCH

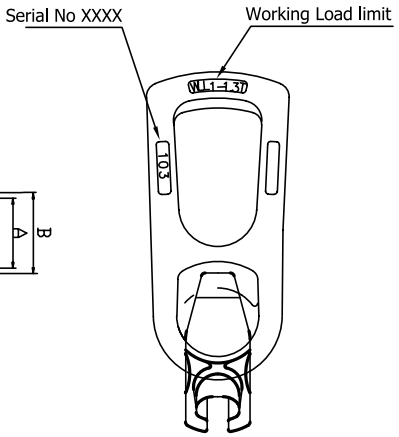
FEATURES & BENEFITS

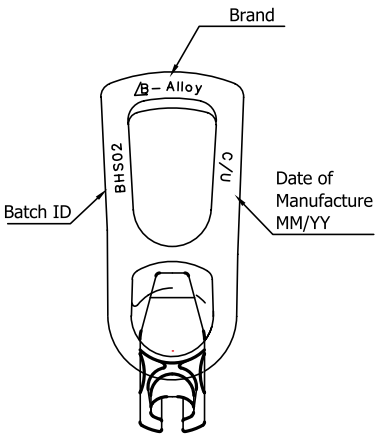
- Designed to engage easily while system is under load, providing they are connected correctly
- Quick and simple clutch release when lift is complete
- Marked with WLL, batch ID, Date of Manufacture and a unique serial number

STANDARDS
Complies to AS3850.1

PRODUCT CODE	WLL (t)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	H (mm)	M (mm)	L (mm)	G (mm)	K (mm)	NET WEIGHT (kg)	UOM
260013	1.3	33	42	82	70	44	73	160	11	185	18	12.5	0.91	EACH
260025	2.5	41	48	100	85	56	88	188	16	217	24	14	1.44	EACH
260050	5.0	57	69	129	88	68	110	240	22	278	38	18	3.24	EACH
260100	10	74	90	170	112	82	160	338	30	386	50	28	9.13	EACH









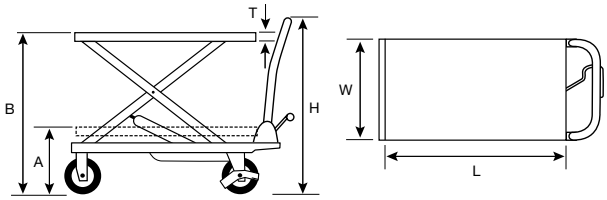
HYDRAULIC SCISSOR LIFT TABLES

FEATURES & BENEFITS

- Easy to use foot pump easily positions or item at correct height
- Quick release system
- Heavy duty mechanism, components, bearing
- Chrome plated push handle
- Quality, easy roll polyurethane castor wheels, fitted with brake
- Powder coated safety yellow



PRODUCT CODE	342615	342630	342650
CAPACITY (kg)	150	300	500
MIN. TABLE HEIGHT A (mm)	220	295	295
MAX. TABLE HEIGHT B (mm)	720	885	890
TABLE LENGTH L (mm)	700	855	855
TABLE WIDTH W (mm)	450	500	500
TABLE THICKNESS T (mm)	36	50	50
CASTOR WHEEL	100 X 25	125 X 40	125 X 40
FOOT PEDAL CYCLES TO MAX HEIGHT	<=28	<=39	<=27
NET WEIGHT (kg)	49	77	81
HEIGHT OF HANDLE FROM GROUND H (mm)	935	985	985



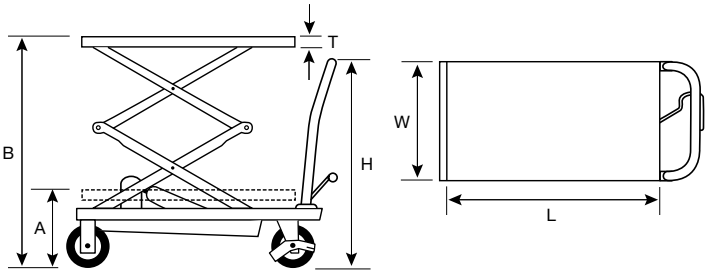
HYDRAULIC SCISSOR LIFT TABLES (TWO STAGE)

FEATURES & BENEFITS

- Large, robust steel deck
- Added lifting height with double scissor lift
- Easy to use foot pump easily positions item at correct height
- Quick release system
- Heavy duty mechanism and components
- Chrome plated push handle
- Quality, easy roll polyurethane castor wheels, fitted with brake
- Powder coated safety yellow



PRODUCT CODE	342635
CAPACITY (kg)	350
MIN. TABLE HEIGHT A (mm)	375
MAX. TABLE HEIGHT B (mm)	1365
TABLE LENGTH L (mm)	910
TABLE WIDTH W (mm)	500
TABLE THICKNESS T (mm)	53
CASTOR WHEEL	125 X 40
FOOT PEDAL CYCLES TO MAX HEIGHT	<=53
NET WEIGHT (kg)	136
HEIGHT OF HANDLE FROM GROUND H (mm)	965



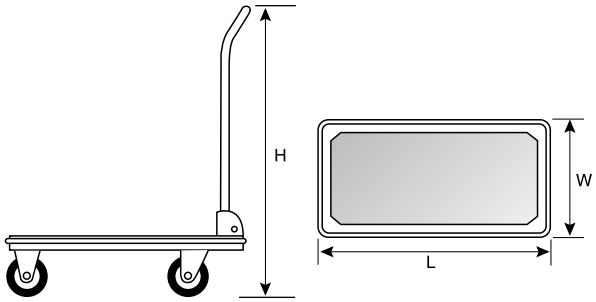
STEEL HAND PLATFORM TROLLEYS

FEATURES & BENEFITS

- Heavy duty steel construction
- Heavy duty polyurethane castors (front fixed and back swivel)
- Easy to use and manoeuvre



PRODUCT CODE	342515	342525
CAPACITY (kg)	150	250
PLATFORM LENGTH L (mm)	705	915
PLATFORM WIDTH W (mm)	440	610
HEIGHT H (mm)	860	850
NET WEIGHT (kg)	12.5	14.1



HAND PALLET TRUCKS

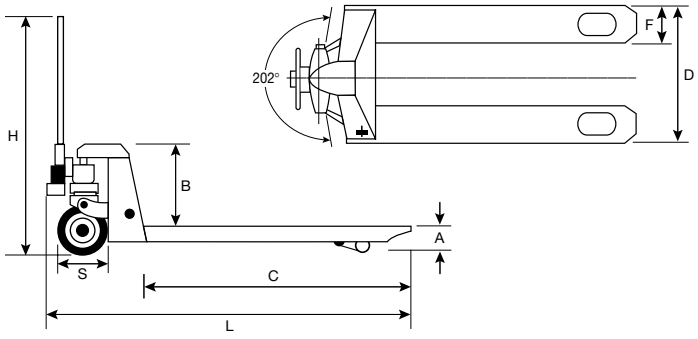
FEATURES & BENEFITS

- Strong yet lightweight steel construction
- Heavy duty, high quality, polyurethane wheels
- Ergonomic, easy to use handle and lever design
- Powder Coated finish
- Complete with PU Wheels

STANDARDS
Complies to AS2615



PRODUCT CODE	342601
CAPACITY	2.5t
MAX FORK HEIGHT (A)	190mm
MIN. FORK HEIGHT (B)	75mm
STEERING WHEEL (S)	180mm X 50mm
LOAD ROLLER	74mm X 93mm
SIZE OF FORK (F)	177mm X 45mm
WIDTH OVERALL FORKS (D)	685mm
FORK LENGTH (C)	1150mm
OVERALL LENGTH (L)	1495mm
HEIGHT OF BACKPLATE (B)	360mm
OVERALL HEIGHT (H)	1230mm
WEIGHT	80kg



2500kg FORKLIFT JIBS



FEATURES & BENEFITS

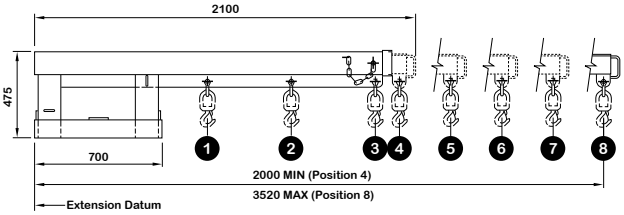
- Telescopic forklift jib designed to cover a wide variety of lifting applications to ensure maximum versatility
- Zinc plated to protect from corrosion
- Each unit supplied with a safety chain to secure to your forklift as well as swivel hook and shackle

STANDARDS

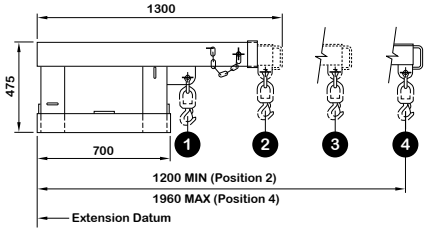
Complies to AS/NZS1170 AS4100 AS 2359.1 Section 6

PRODUCT CODE	HD-LJ2500	HD-SJ2500
PRODUCT DESCRIPTION	2500kg FORKLIFT LONG JIB	2500kg FORKLIFT SHORT JIB
PRODUCT DIMENSIONS (mm)	375W X 480H X 2097-3617mm LONG	375W X 480H X 1307-2067mm LONG
PRODUCT WEIGHT	120	80
WORKING LOAD LIMIT (kg)	240 - 2500	530-2500

HD-LJ2500



HD-SJ2500



4500kg FORKLIFT JIBS



FEATURES & BENEFITS

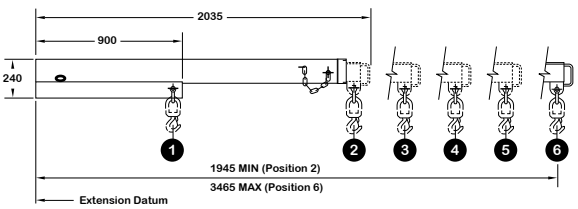
- Telescopic forklift jib designed to cover a wide variety of lifting applications to ensure maximum versatility.
- Long Jib with a Working Load Limit (WLL) of up to 4500kg
- Zinc plated to protect from corrosion
- Each unit is supplied with a safety chain to secure to your forklift as well as swivel hook and shackle.

STANDARDS

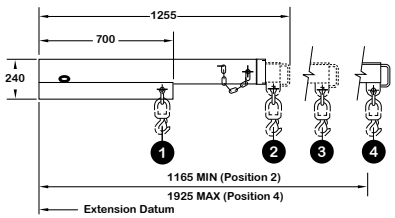
Complies to AS/NZS1170 AS4100 AS 2359.1 Section 6

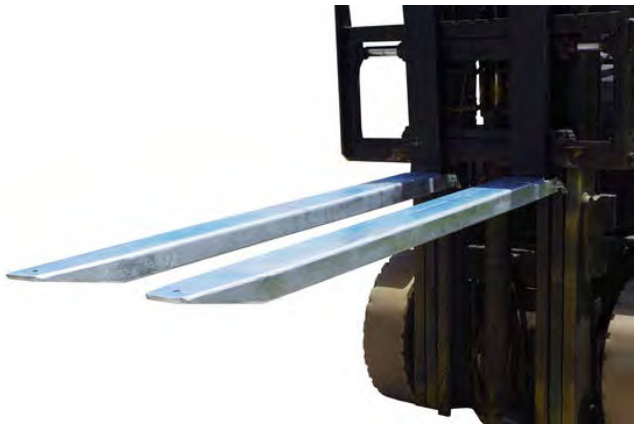
PRODUCT CODE	HD-LJ4500	HD-SJ4500
PRODUCT DESCRIPTION	4500kg FORKLIFT LONG JIB	4500KG FORKLIFT SHORT JIB
PRODUCT DIMENSIONS (mm)	490W X 240H X 2035-3555mm LONG	490W X 240H X 1255-2015mm LONG
PRODUCT WEIGHT	115	200 - 4500
WORKING LOAD LIMIT (kg)	83	750 - 4500

HD-LJ4500



HD-SJ4500





FORKLIFT SLIPPERS

FEATURES & BENEFITS

- Increased versatility for your forklifts
- Supplied with locking pins to lock slippers onto forklift tines

STANDARDS

Complies to AS/NZS1170 AS4100 AS 2359.1 Section 6

PRODUCT CODE	HD-FS218	HD-FS224	HD-FS418	HD-FS424
PRODUCT DESCRIPTION	SIZE 2 - 1800mm	SIZE 2 - 2400mm	SIZE 4 - 1800mm	SIZE 4 - 2400mm
PRODUCT DIMENSIONS (mm)	SIZE 2, 1800mm SLIPPERS	SIZE 2, 2400mm SLIPPERS	SIZE 4, 1800mm SLIPPERS	SIZE 4, 2400mm SLIPPERS
MAX TINE SIZE	130 x 55mm	130 x 55mm	160 x 65mm	160 x 65mm
MINE TINE LENGTH	1065mm	1435mm	1065mm	1435mm
PRODUCT WEIGHT	60	80	100	160
WORKING LOAD LIMIT (kg)	4000Kg @ 500mm	4000Kg @ 500mm	8000Kg @ 600mm	8000Kg @ 600mm

WORK PLATFORM CAGE

FEATURES & BENEFITS

- Each unit includes locking pins used to lock cage onto forklift tines when in use
- Rated to 250kg & designed to carry a maximum of 2 persons
- Includes 2 harness anchor rings in the base of the unit
- Units can be shipped flatpacked or assembled for easy storage and transport

STANDARDS

Complies to AS/NZS1170 AS4100 AS 2359.1 Section 6

PRODUCT CODE	HD-WPC
PRODUCT DESCRIPTION	WORK PLATFORM CAGE
PRODUCT DIMENSIONS (mm)	1155W X 1225D X 2065 HIGH INC. BACKREST
PRODUCT WEIGHT	120.5
WORKING LOAD LIMIT (kg)	250
FLATPACKED DIMENSIONS L/W/H (mm)	1155 X 1225 X 250



RIGGING STORAGE TROLLEY

FEATURES & BENEFITS

- This trolley helps you store or move your slings and chains around your site
- Enables you to organise your equipment neatly and safely
- Allows you to improve your ability to inspect your equipment easily
- Can be moved on heavy duty castors, or by forklift as desired
- Red powdercoat finish

STANDARDS

Complies to AS/NZS1170 AS4100 AS 2359.1 Section 6

PRODUCT CODE	HD-RRT
PRODUCT DIMENSIONS (mm)	1900L X 1150W X 1700mm HIGH
PRODUCT WEIGHT	260
WORKING LOAD LIMIT (kg)	1000
FLATPACKED DIMENSIONS L/W/H (mm)	1900 X 1165 X 800



WORK CAGES

EAST WEST ENGINEERING

TYPE WP-NCR CRANE CAGE

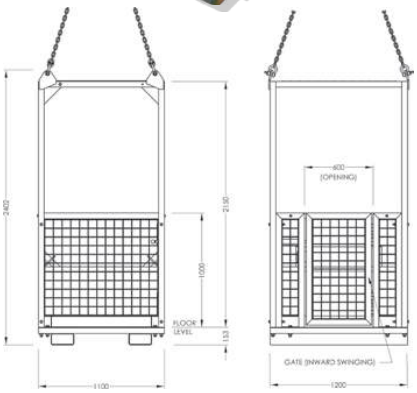


FEATURES & BENEFITS

- Mesh roof fitted for overhead protection
- Fitted with mesh sides to prevent objects falling off the platform
- Fitted with four (4) safety harness anchor points and hand rails
- Supplied with lifting chains
- Fork pockets provided for transport purposes only
- Work performed in this cage shall be limited to special tasks of short duration
- Load test certificate, risk control measure documents, WorkSafe registration and comprehensive instructions supplied
- Zinc finish

STANDARDS

Complies to AS1418.17



MAXIMUM CAPACITY	4 People
WORKING LOAD LIMIT	500kg
DIMENSIONS	1200mm x 1100mm
UNIT WEIGHT	310kg
FORK POCKETSIZE	185mm x 85mm
FORK POCKET CENTRES	680mm

EAST WEST ENGINEERING

TYPE WP-NC2R CRANE CAGE

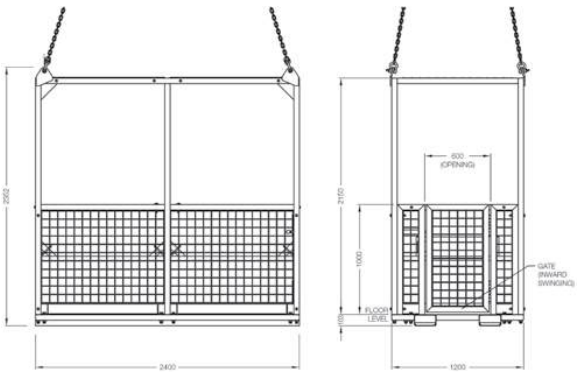


FEATURES & BENEFITS

- Zinc plated steel, mesh roof
- Fork pockets provided for transport purposes only
- Can also be manufactured to suit First Aid Rescue by fitting an outward opening gate
- Supplied with lifting chains & safety harness anchor points
- Supplied with load test certificate, instruction manual, risk control measures and WorkCover registration
- Mesh roof fitted for overhead protection
- Mesh sides prevent objects falling off the platform
- Fork pockets provided for transport purposes only

STANDARDS

Complies to AS1418.17



MAXIMUM CAPACITY	6 People
WORKING LOAD LIMIT	750kg
DIMENSIONS	2400mm x 1200mm
UNIT WEIGHT	500kg
FORK POCKETSIZE	185mm x 65mm
FORK POCKET CENTRES	590mm

EAST WEST ENGINEERING

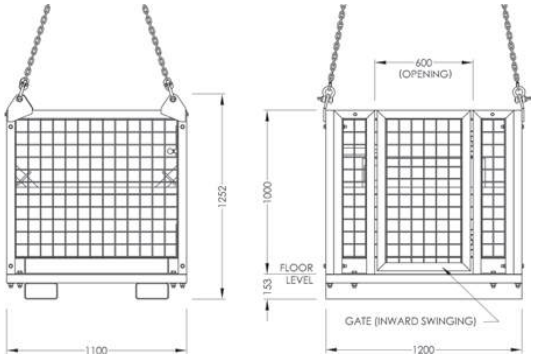
TYPE WP-NC CRANE CAGE

FEATURES & BENEFITS

- Zinc plated steel
- Fork pockets provided for transport purposes only
- Supplied with lifting chains & safety harness anchor points
- Supplied with load test certificate, instruction manual, risk control measures and WorkCover registration
- Fitted with mesh sides to prevent objects falling off the platform
- Work performed in this cage shall be limited to special tasks of short duration

STANDARDS
Complies to AS1418.17





MAXIMUM CAPACITY	4 People
WORKING LOAD LIMIT	500kg
DIMENSIONS	1200mm x 1100mm
UNIT WEIGHT	270kg
FORK POCKETSIZE	185mm x 85mm
FORK POCKET CENTRES	680mm

EAST WEST ENGINEERING

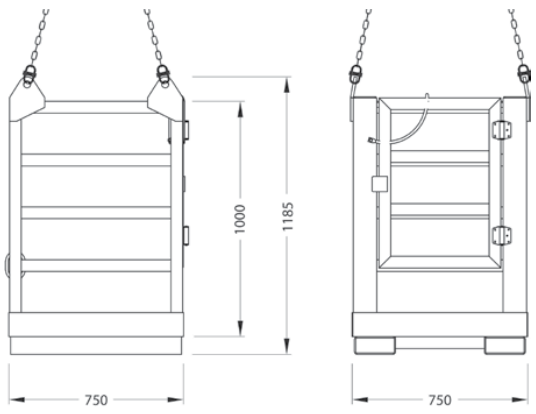
TYPE WP-C4 CRANE CAGE

FEATURES & BENEFITS

- Powder coated steel
- Fork pockets provided for transport purposes only
- Supplied with chains & safety harness anchor points
- Supplied with load test certificate, instruction manual, risk control measures and WorkCover registration
- Fitted with safety harness anchor point and hand rails

STANDARDS
Complies to AS1418.17





MAXIMUM CAPACITY	1 Person
WORKING LOAD LIMIT	250kg
DIMENSIONS	750mm x 750mm
UNIT WEIGHT	120kg
FORK POCKETSIZE	185mm x 85mm
FORK POCKET CENTRES	530mm

WORK CAGES

EAST WEST ENGINEERING

TYPE WP-C8 CRANE CAGE

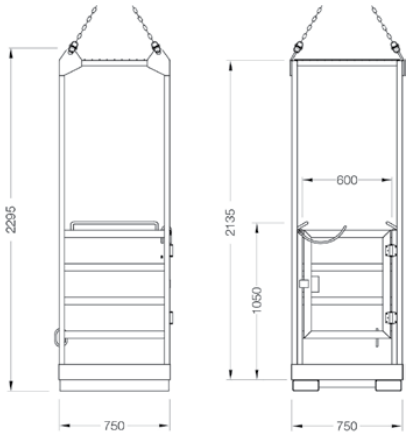
FEATURES & BENEFITS

- Powder coated steel with mesh roof
- Supplied with lifting chains and harness anchor point
- Supplied with load test certificate, instruction manual, risk control measures and WorkCover registration
- Fitted with mesh roof
- Fitted with safety harness anchor point and hand rails

STANDARDS

Complies to AS1418.17

MAXIMUM CAPACITY	1 Person
WORKING LOAD LIMIT	250kg
DIMENSIONS	750mm x 750mm
UNIT WEIGHT	150kg
FORK POCKETSIZE	185mm x 85mm
FORK POCKET CENTRES	530mm





EAST WEST ENGINEERING

TYPE WP-NC2R FAID FIRST AID RESCUE CAGE

FEATURES & BENEFITS

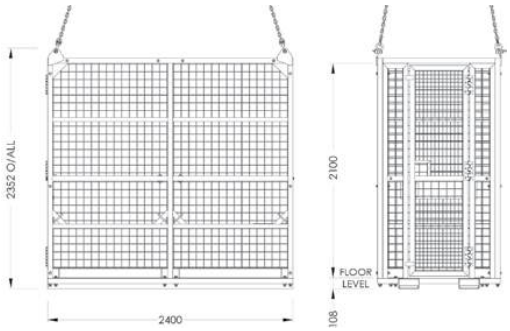
- Suitable for use with a standard rescue stretcher
- Full height, outward opening gate for easy stretcher access
- Fully enclosed mesh cage for extra safety and protection in emergency situations
- Seat fitted to accommodate non-stretcher personnel
- Fitted with eight (8) safety harness anchor points and internal hand rails
- Supplied with rated lifting chains
- Supplied with load test certificate, instruction manual, risk control measures and WorkCover registration

STANDARDS

Complies to AS1418.17

MAXIMUM CAPACITY	6 People
WORKING LOAD LIMIT	750kg
DIMENSIONS	2400mm x 1200mm x 2352mm
GATE OPENING	700mm wide
UNIT WEIGHT	500kg





HEIGHT COLLAPSIBLE PALLET CAGE



FEATURES & BENEFITS

- Design features include small mesh pattern, label plate, 4-way access and racking locators ensure maximum usability
- Pallet Rack Safe in Standard Australian Pallet Racking
- 1000kg Working Load Limit stackable to 4 high
- Load rating plate included
- Zinc plated finish

STANDARDS
Complies to AS4100, AS/NZS1170

PRODUCT CODE	HDCC-S1000	HDCC-S600	HDCC-D1000	HDCC-D600
PRODUCT DESCRIPTION	Pallet Cage Full Height Collapsible	Pallet Cage Half Height Collapsible	Double Collapsible Pallet Cage Full Height	Double Collapsible Pallet Cage Half Height
PRODUCT DIMENSIONS (mm)	1158 x 1158 x 1000mm H	1158 x 1158 x 600mm H	2200 x 1158 x 1000 H	2200 x 1158 x 600 H
PRODUCT WEIGHT (kg)	84	62	142	116
WORKING LOAD LIMIT (kg)	1000	1000	1000	1000
FLATPACKED DIMENSIONS L/W/H (mm)	1158 x 1158 x 325	1158 x 1158 x 270	2200 x 1158 x 325	2200 x 1158 x 270

CRANEABLE GOODS CAGES



FEATURES & BENEFITS

- Versatile due to its ability to be moved by both forklift and crane
- 1000kg Working Load Limit stackable to 2 high
- Load rating plate included
- Zinc plated finish
- Comes in standard pallet size (HDCRC-1200)
- Comes in over-sized unit which can fit a standard Australian pallet inside (HDCRC-1350)

STANDARDS
Complies to AS/NZS1170, AS4100, AS 4991

PRODUCT CODE	HDCRC-1200	HDCRC-1350
PRODUCT DESCRIPTION	CRANE CAGE - STANDARD SIZE	CRANE CAGE - EXTRA LARGE
PRODUCT DIMENSIONS (mm)	1200 X 1200 X 1180mm HIGH	1350 X 1350 X 1180mm HIGH
PRODUCT WEIGHT	175	200
WORKING LOAD LIMIT (kg)	1000	1000
FLATPACKED DIMENSIONS L/W/H (mm)	SHIPS ASSEMBLED	SHIPS ASSEMBLED

GAS STORAGE CAGES



FEATURES & BENEFITS

- Mesh lockup cage is ideal for storage of various industrial gas cylinders
- Ideal for applications where the preference is to bolt down the gas store
- Includes an adjustable chain securing bar
- Comes with all necessary safety signage and identification
- Supplied with divider system for better internal use division (HD-LGCAGE)

STANDARDS
Complies to AS 4332

PRODUCT CODE	HD-SGCAGE	HD-LGCAGE
PRODUCT DESCRIPTION	GAS STORAGE CAGE - SMALL	GAS STORAGE CAGE - LARGE
PRODUCT DIMENSIONS (mm)	1170W X 1195D X 1910mm HIGH	2315W X 1265D X 2135mm HIGH
PRODUCT WEIGHT	130	238
FLATPACKED DIMENSIONS L/W/H (mm)	1170 X 1265 X 385	2315 X 1265 X 595

SPREADER BEAMS

TELESCOPIC COMBINATION LIFTING BEAM/SPREADER BARS 1.5t - 80t

FEATURES & BENEFITS

- Designed to function as a spreader bar in the 60°, 90° and 120° positions
- Prior to conducting any operations with this device, a lift study must be undertaken noting the capacity of the device in its various configurations

SHACKLES TO SUIT:
Please use Grade S Safety Bow Shackles.

STANDARDS
Complies to AS 4991



PRODUCT CODE	MAX WLL AS SPREADER AT 60 ° (END LIFT) (t)	MAX WLL AS LIFTING BEAM (CENTRE LIFT) (t)	SPAN WIDTH		TARE (t)	GRADE S SAFETY BOW SHACKLE SIZE (t)		
			MIN (m)	MAX (m)		TOP LIFT LUGS	LOWER LOAD LUGS	CENTRE LUG
TSB1015	1.5	N/A	1.8	3	0.025	1.5	1.5	N/A
TSB1033	3	N/A	1.8	3	0.040	3.2	3.2	N/A
TSB1063	6	N/A	2	3	0.050	4.7	4.7	N/A
TSB1065	6	N/A	3	5	0.105	4.7	4.7	N/A
TSB1103	10	1.8 - 2.75	2.3	3.5	0.100	8.5	6.5	3.2
TSB1106	10	N/A	4	6	0.160	8.5	6.5	N/A
TSB1204	20	2.3 - 3.5	2.65	4	0.150	17	12	4.7
TSB1206	20	1.3 - 2.1	4	6	0.215	17	12	4.7
TSB1304	30	2.2 - 3.1	2.8	4	0.200	25	17	4.7
TSB1306	30	1.4 - 2.2	4	6	0.260	25	17	4.7
TSB1504	50	3.75 - 6	2.8	4	0.260	35	25	6.5
TSB1506	50	2.6 - 4.2	4	6	0.360	35	25	6.5
TSB1804	80	8 - 10	2.9	4	0.480	55	55	12
TSB1806	80	5 - 9	4	6	0.605	55	55	12
TSB2154	15	1.6 - 2.6	2.25	3.69	0.095	9.5	9.5	CRANE HOOK
TSB2254	25	1.65 - 2.7	2.25	3.69	0.160	25	17	CRANE HOOK



Note: For further technical information including Working Load Limits at various angles, approximate sling leg lengths and headroom, please contact Bunzl Safety & Lifting for a detailed data sheet.

EQUALIZERS 5t - 150t

FEATURES & BENEFITS

- Designed for use with multi-point slings to provide a means of equalizing load between sling legs
- Prior to conducting any operations with this device, a lift study must be undertaken noting the capacity of the device in its various configurations

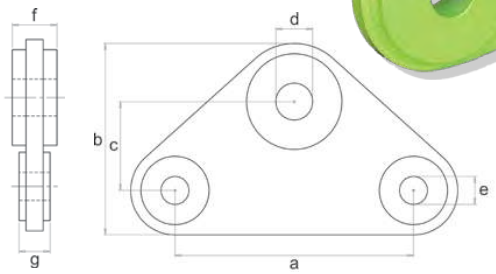
SHACKLES TO SUIT:

Please use Grade S Safety Bow Shackles.

STANDARDS

Complies to AS 4991





PRODUCT CODE	WLL (t)	TARE (t)	GRADE S SAFETY BOW SHACKLE SIZE (t)		a (mm)	b (mm)	c (mm)	d (mm)	e (mm)	f (mm)	g (mm)
			Top Lift Lugs	LOWER LOAD LUGS							
EQP1005	5	0.010	6.5	3.2	300	180	100	28	22	32	20
EQP1010	10	0.015	12	6.5	300	210	105	38	28	48	32
EQP1025	25	0.025	25	13.5	350	280	130	54	41	65	45
EQP1035	35	0.050	35	25	450	340	150	60	54	72	64
EQP1055	55	0.090	55	35	500	435	200	73	60	90	72
EQP1085	85	0.130	85	55	500	505	225	90	73	104	90
EQP1201	120	0.180	120	85	600	630	310	100	90	104	90
EQP1500	150	0.300	150	85	900	610	250	115	88	124	92

MODULIFT MODULAR SPREADER BEAMS 2t - 170t

FEATURES & BENEFITS

- A modular beam with the flexibility to be used at varying lengths and can be easily dismantled for ease of transport & storage
- Every spreader consists of 1 pair of End Units and Drop Links, with intermediate struts that can be bolted into the assembly to achieve different spans
- Struts can be purchased separately to suit whatever span is required.
- Prior to conducting any operations with this device, a lift study must be undertaken noting the capacity of the device in its various configurations

SHACKLES TO SUIT:

Please use Grade S Safety Bow Shackles.

STANDARDS

Complies to AS 4991



PRODUCT CODE	MAX WLL AT 60 ° (t)	SPAN WIDTH		GRADE S SAFETY BOW SHACKLE SIZE (t)	
		MIN (m)	MAX (m)	TOP LIFT LUGS	LOWER LOAD LUGS
QJ2	2	0.3	1.2	2	1.5
MOD 6	6	0.4	4.5	4.75	3.25
MOD 12	12	0.5	6.5	8.5	6.5
MOD 24	24	1	8	17	12
MOD 34	34	1	10	25	17
MOD 50	50	1	13	35	25
MOD 70	70	1	14	55	35
MOD 70H	100	1	14	85	55
MOD 110	110	2	18	85	55
MOD 110H	170	2	18	120	85


360° CUT E



SYNTHETIC SLINGS 4

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WE MANUFACTURE AND STOCK A DIVERSE RANGE OF FLAT, ROUND AND HEAVY LIFT TWIN-PATH SLINGS

with custom lengths available on request. Each sling is individually proof tested to Australian Standards and supplied with a Test Certificate. Capacities range from 0.5 tonne to 600 tonnes.

TYPES OF SLINGS

SYNTHETIC SLINGS CAN BE USED FOR A VARIETY OF LIFTING AND TOWING APPLICATIONS AND HAVE MANY ADVANTAGES OVER LIFTING CHAIN, INCLUDING LOW WEIGHT, EASE OF HANDLING AND PROVIDING A NON DAMAGING LIFT TO MATERIAL.



TWIN-PATH® SLINGS

Our unique 'Twin-Path®' licensed and patented sling range is made to order and used for heavy lifts up to 600 tonnes. The Twin-Path® range offers the ultimate in abrasion resistance and contains a check fast tag and external warning indicator for a pass/fail inspection of the internal load bearing core yarn.

The Twin-Path® is renowned as the market leader in ergonomic design and can be repaired in most instances.

WEBBING SLINGS

Synthetic webbing slings are high strength, low weight and easy to handle. In lifting applications they stretch less than rope slings but still absorb shock load extremely well.

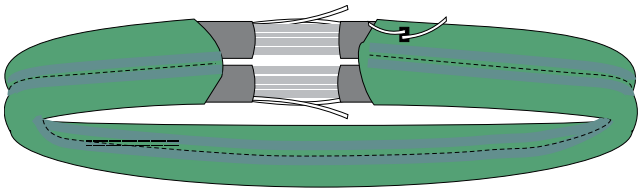
The two most commonly used synthetic webbing slings used for lifting in Australia are 'Flat' and 'Round' Slings. Both types combine dimensional stability with great flexibility and shape instantly to the load cradling it with balance and security. They are very suitable for handling highly polished surfaces without damage, and are colour coded to conform to Australian Standards AS4497.1 and AS1353.1.

ENDLESS SLINGS

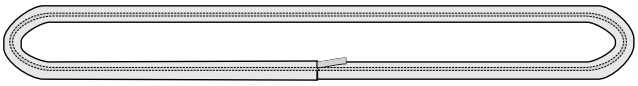
Endless Slings are made in both flat and round configurations and comply with the relevant Australian Standards.

Round Slings are manufactured from a hank of polyester yarn of one or more strands wound together continuously to form an endless sling. The sling is protected by an outer sleeve which is non-load bearing.

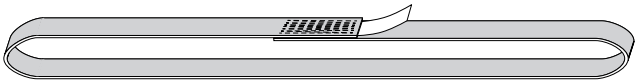
Endless Flat Slings are manufactured from woven synthetic-fibre webbing and sewn together to form an endless sling. The Endless Flat Slings come in both single and double ply configurations.



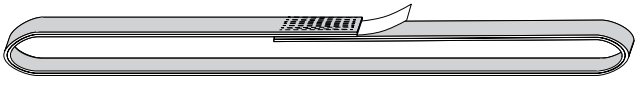
Twin-Path® Sling



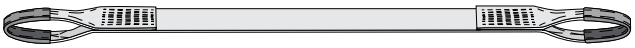
Mega Round Sling



Single Ply Endless Flat Sling



Double Ply Endless Flat Sling



Single Ply Flat Sling with Formed Eye

POLYESTER ROUND SLINGS & FLAT WEBBING SLINGS

WORKING LOAD LIMITS (WLL) CHART

STANDARDS
Round Slings Manufactured to AS 4497.1 & Flat Slings Manufactured to AS1353.1

WORKING LOAD LIMITS UNDER GENERAL CONDITIONS OF USE - T									
COLOUR	MARKED WLL				BASKET HITCH OR 2, 3 AND 4 LEGS SLINGS			CHOKE HITCH OR 2, 3 AND 4 LEGS SLINGS	
									
LOADING FACTORS		1	0.8	2	1.73	1.41	1	1.38	1.38
VIOLET	1	1	0.8	2	1.7	1.4	1	1.38	
GREEN	2	2	1.6	4	3.4	2.8	2	2.76	
YELLOW	3	3	2.4	6	5.1	4.2	3	4.14	
GREY	4	4	3.2	8	6.9	5.6	4	5.52	
RED	5	5	4	10	8.6	7	5	6.9	
BROWN	6	6	4.8	12	10.3	8.4	6	8.28	
BLUE	8	8	6.4	16	13.8	11.2	8	11.04	
ORANGE	10	10	8	20	17.3	14.1	10	13.8	
ORANGE	GREATER THAN 10	MARKED WLL X LF	MARKED WLL X LF	MARKED WLL X LF	MARKED WLL X LF	MARKED WLL X LF	MARKED WLL X LF	MARKED WLL X LF	

Note: The WLL applicable to each configuration is the marked WLL multiplied by the loading factor, L.

CARE AND USE

- Check Australian Standard AS4497 and AS1353 for use and inspection guidelines
- Never overload the equipment
- Do not use if ID tag is removed
- Inspect sling for damage prior to use
- Do not use sling if there is any sign of cut webbing, snagging, heat or chemical damage, excessive wear, damaged seams, any other defect or presence of grit, abrasive materials or other deleterious matter
- Do not tie knots in sling webbing
- Protect sling webbing from sharp edges of load. Use protective sleeves
- Do not expose slings to temperatures above 90°C
- Do not allow abrasive or other damaging grit to penetrate the fibres
- Consult with manufacturer's recommendations before immersing a sling in a chemical solution
- Keep away from strong alkalis and phenolic compounds.



FLAT WEBBING SLINGS

Flat Slings, commonly known as webbing slings, are an all-purpose lifting sling enabling a strong and non-damaging lift of a load. They are extremely light weight and flexible. The Beaver Flat Sling is made from polyester webbing sewn into a continuous length with an eye at each end. When used they cover a broad support area, which cushions the load against damage and reduces slipping. The low stretch characteristics of the polyester webbing also prevent 'load bounce' when lifting.



DOUBLE PLY FLAT SLINGS

FEATURES AND BENEFITS

- Made from 2 ply polyester webbing
- Light weight & flexible with sewn eyes each end
- Colour coded to International Lifting Standards

STANDARDS
Complies to AS1353.1

CODE	WLL (kg)	LENGTH (m)	WIDTH (mm)	COLOUR	UOM	PACK QTY
FS-2-1000X0.5	1000	0.5	50	Violet	Each	80
FS-2-1000X1	1000	1	50	Violet	Each	50
FS-2-1000X1.5	1000	1.5	50	Violet	Each	40
FS-2-1000X2	1000	2	50	Violet	Each	35
FS-2-1000X2.5	1000	2.5	50	Violet	Each	25
FS-2-1000X3	1000	3	50	Violet	Each	25
FS-2-1000X3.5	1000	3.5	50	Violet	Each	22
FS-2-1000X4	1000	4	50	Violet	Each	22
FS-2-1000X4.5	1000	4.5	50	Violet	Each	20
FS-2-1000X5	1000	5	50	Violet	Each	20
FS-2-1000X6	1000	6	50	Violet	Each	18
FS-2-1000X8	1000	8	50	Violet	Each	15

Note: Other lengths and sizes available on request.



DOUBLE PLY FLAT SLINGS

FEATURES AND BENEFITS

- Made from 2 ply polyester webbing
- Light weight & flexible with sewn eyes each end
- Colour coded to International Lifting Standards

STANDARDS
Complies to AS1353.1

CODE	WLL (kg)	LENGTH (m)	WIDTH (mm)	COLOUR	UOM	PACK QTY
FS-2-2000X1	2000	1	60	Green	Each	24
FS-2-2000X1.5	2000	1.5	60	Green	Each	24
FS-2-2000X2	2000	2	60	Green	Each	20
FS-2-2000X2.5	2000	2.5	60	Green	Each	18
FS-2-2000X3	2000	3	60	Green	Each	16
FS-2-2000X3.5	2000	3.5	60	Green	Each	15
FS-2-2000X4	2000	4	60	Green	Each	14
FS-2-2000X4.5	2000	4.5	60	Green	Each	12
FS-2-2000X5	2000	5	60	Green	Each	12
FS-2-2000X6	2000	6	60	Green	Each	10
FS-2-2000X8	2000	8	60	Green	Each	8

Note: Other lengths and sizes available on request.



DOUBLE PLY FLAT SLINGS

FEATURES AND BENEFITS

- Made from 2 ply polyester webbing
- Light weight & flexible with sewn eyes each end
- Colour coded to International Lifting Standards

STANDARDS
Complies to AS1353.1

CODE	WLL (kg)	LENGTH (m)	WIDTH (mm)	COLOUR	UOM	PACK QTY
FS-2-3000X1	3000	1	90	Yellow	Each	20
FS-2-3000X1.5	3000	1.5	90	Yellow	Each	18
FS-2-3000X2	3000	2	90	Yellow	Each	15
FS-2-3000X2.5	3000	2.5	90	Yellow	Each	14
FS-2-3000X3	3000	3	90	Yellow	Each	12
FS-2-3000X3.5	3000	3.5	90	Yellow	Each	11
FS-2-3000X4	3000	4	90	Yellow	Each	9
FS-2-3000X5	3000	5	90	Yellow	Each	8
FS-2-3000X6	3000	6	90	Yellow	Each	7
FS-2-3000X8	3000	8	90	Yellow	Each	6

Note: Other lengths and sizes available on request.



DOUBLE PLY FLAT SLINGS

FEATURES AND BENEFITS

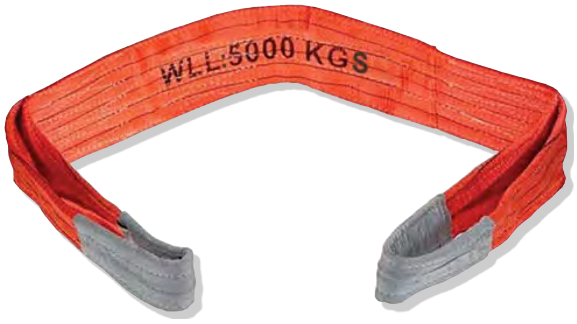
- Made from 2 ply polyester webbing
- Light weight & flexible with sewn eyes each end
- Colour coded to International Lifting Standards

STANDARDS
Complies to AS1353.1

CODE	WLL (kg)	LENGTH (m)	WIDTH (mm)	COLOUR	UOM	PACK QTY
FS-2-4000X2	4000	2	120	Grey	Each	10
FS-2-4000X2.5	4000	2.5	120	Grey	Each	10
FS-2-4000X3	4000	3	120	Grey	Each	9
FS-2-4000X4	4000	4	120	Grey	Each	8
FS-2-4000X5	4000	5	120	Grey	Each	6
FS-2-4000X6	4000	6	120	Grey	Each	5

Note: Other lengths and sizes available on request.

FLAT WEBBING SLINGS



DOUBLE PLY FLAT SLINGS

FEATURES AND BENEFITS

- Made from 2 ply polyester webbing
- Light weight & flexible with sewn eyes each end
- Colour coded to International Lifting Standards

STANDARDS
Complies to AS1353.1

CODE	WLL (kg)	LENGTH (m)	WIDTH (mm)	COLOUR	UOM	PACK QTY
FS-2-5000X2	5000	2	150	Red	Each	8
FS-2-5000X2.5	5000	2.5	150	Red	Each	7
FS-2-5000X3	5000	3	150	Red	Each	6
FS-2-5000X4	5000	4	150	Red	Each	5
FS-2-5000X5	5000	5	150	Red	Each	4
FS-2-5000X6	5000	6	150	Red	Each	3

Note: Other lengths and sizes available on request.



DOUBLE PLY FLAT SLINGS

FEATURES AND BENEFITS

- Made from 2 ply polyester webbing
- Light weight & flexible with sewn eyes each end
- Colour coded to International Lifting Standards

STANDARDS
Complies to AS1353.1

CODE	WLL (kg)	LENGTH (m)	WIDTH (mm)	COLOUR	UOM	PACK QTY
FS-2-6000X2	6000	2	200	Brown	Each	5
FS-2-6000X3	6000	3	200	Brown	Each	4
FS-2-6000X4	6000	4	200	Brown	Each	4
FS-2-6000X5	6000	5	200	Brown	Each	3
FS-2-6000X6	6000	6	200	Brown	Each	3

Note: Other lengths and sizes available on request.



DOUBLE PLY FLAT SLINGS

FEATURES AND BENEFITS

- Made from 2 ply polyester webbing
- Light weight & flexible with sewn eyes each end
- Colour coded to International Lifting Standards

STANDARDS
Complies to AS1353.1

CODE	WLL (kg)	LENGTH (m)	WIDTH (mm)	COLOUR	UOM	PACK QTY
FS-2-8000X4	8000	4	240	Blue	Each	3
FS-2-8000X5	8000	5	240	Blue	Each	2
FS-2-8000X6	8000	6	240	Blue	Each	2

Note: Other lengths and sizes available on request.



DOUBLE PLY FLAT SLINGS

FEATURES AND BENEFITS

- Made from 2 ply polyester webbing
- Light weight & flexible with sewn eyes each end
- Colour coded to International Lifting Standards

STANDARDS
Complies to AS1353.1

CODE	WLL (kg)	LENGTH (m)	WIDTH (mm)	COLOUR	UOM	PACK QTY
FS-2-10000X4	10000	4	300	Orange	Each	2
FS-2-10000X6	10000	6	300	Orange	Each	1

Note: Other lengths and sizes available on request.

ROUND SLINGS

Round slings are an all-purpose lifting sling enabling a strong and non-damaging lift of a load. They are extremely light weight and flexible in multiple directions, allowing easy and quick manipulation even when fragile loads are being lifted. Round slings are a continuous loop made from polyester yarn encased in a sleeve of polyester or nylon fabric. The sleeve is constructed, so that it protects the internal rows of yarn filament and keeps them in a parallel formation at all times.



MEGA ROUND SLINGS

FEATURES AND BENEFITS

- All purpose lifting sling made from high strength polyester yarn
- Light weight & flexible continuous looped sling
- Colour coded to International Lifting Standards

STANDARDS
Complies to AS4497.1

CODE	WLL (kg)	LENGTH (m)	WIDTH (mm)	COLOUR	UOM	PACK QTY
MRS1000X0.5	1000	0.5	47	Violet	Each	80
MRS1000X1	1000	1	47	Violet	Each	58
MRS1000X1.5	1000	1.5	47	Violet	Each	40
MRS1000X2	1000	2	47	Violet	Each	34
MRS1000X2.5	1000	2.5	47	Violet	Each	30
MRS1000X3	1000	3	47	Violet	Each	25
MRS1000X4	1000	4	47	Violet	Each	18
MRS1000X5	1000	5	47	Violet	Each	13
MRS1000X6	1000	6	47	Violet	Each	11
MRS1000X8	1000	8	47	Violet	Each	8

Note: Other lengths and sizes available on request.



MEGA ROUND SLINGS

FEATURES AND BENEFITS

- All purpose lifting sling made from high strength polyester yarn
- Light weight & flexible continuous looped sling
- Colour coded to International Lifting Standards

STANDARDS
Complies to AS4497.1

CODE	WLL (kg)	LENGTH (m)	WIDTH (mm)	COLOUR	UOM	PACK QTY
MRS2000X0.5	2000	0.5	51	Green	Each	60
MRS2000X1	2000	1	51	Green	Each	40
MRS2000X1.5	2000	1.5	51	Green	Each	30
MRS2000X2	2000	2	51	Green	Each	22
MRS2000X2.5	2000	2.5	51	Green	Each	16
MRS2000X3	2000	3	51	Green	Each	15
MRS2000X3.5	2000	3.5	51	Green	Each	12
MRS2000X4	2000	4	51	Green	Each	12
MRS2000X4.5	2000	4.5	51	Green	Each	10
MRS2000X5	2000	5	51	Green	Each	8
MRS2000X6	2000	6	51	Green	Each	8
MRS2000X8	2000	8	51	Green	Each	6
MRS2000X10	2000	10	51	Green	Each	5

Note: Other lengths and sizes available on request.



MEGA ROUND SLINGS

FEATURES AND BENEFITS

- All purpose lifting sling made from high strength polyester yarn
- Light weight & flexible continuous looped sling
- Colour coded to International Lifting Standards

STANDARDS
Complies to AS4497.1

CODE	WLL (kg)	LENGTH (m)	WIDTH (mm)	COLOUR	UOM	PACK QTY
MRS3000X0.5	3000	0.5	66	Yellow	Each	45
MRS3000X1	3000	1	66	Yellow	Each	30
MRS3000X1.5	3000	1.5	66	Yellow	Each	22
MRS3000X2	3000	2	66	Yellow	Each	16
MRS3000X2.5	3000	2.5	66	Yellow	Each	12
MRS3000X3	3000	3	66	Yellow	Each	11
MRS3000X3.5	3000	3.5	66	Yellow	Each	8
MRS3000X4	3000	4	66	Yellow	Each	8
MRS3000X5	3000	5	66	Yellow	Each	6
MRS3000X6	3000	6	66	Yellow	Each	5
MRS3000X8	3000	8	66	Yellow	Each	4
MRS3000X10	3000	10	66	Yellow	Each	3

Note: Other lengths and sizes available on request.



MEGA ROUND SLINGS

FEATURES AND BENEFITS

- All purpose lifting sling made from high strength polyester yarn
- Light weight & flexible continuous looped sling
- Colour coded to International Lifting Standards

STANDARDS
Complies to AS4497.1

CODE	WLL (kg)	LENGTH (m)	WIDTH (mm)	COLOUR	UOM	PACK QTY
MRS4000X1	4000	1	70	Grey	Each	25
MRS4000X2	4000	2	70	Grey	Each	12
MRS4000X2.5	4000	2.5	70	Grey	Each	10
MRS4000X3	4000	3	70	Grey	Each	8
MRS4000X4	4000	4	70	Grey	Each	6
MRS4000X5	4000	5	70	Grey	Each	5
MRS4000X6	4000	6	70	Grey	Each	4
MRS4000X8	4000	8	70	Grey	Each	3

Note: Other lengths and sizes available on request.



MEGA ROUND SLINGS

FEATURES AND BENEFITS

- All purpose lifting sling made from high strength polyester yarn
- Light weight & flexible continuous looped sling
- Colour coded to International Lifting Standards

STANDARDS
Complies to AS4497.1

CODE	WLL (kg)	LENGTH (m)	WIDTH (mm)	COLOUR	UOM	PACK QTY
MRS5000X1	5000	1	80	Red	Each	15
MRS5000X2	5000	2	80	Red	Each	9
MRS5000X3	5000	3	80	Red	Each	6
MRS5000X4	5000	4	80	Red	Each	5
MRS5000X5	5000	5	80	Red	Each	4
MRS5000X6	5000	6	80	Red	Each	4
MRS5000X8	5000	8	80	Red	Each	2

Note: Other lengths and sizes available on request.



MEGA ROUND SLINGS

FEATURES AND BENEFITS

- All purpose lifting sling made from high strength polyester yarn
- Light weight & flexible continuous looped sling
- Colour coded to International Lifting Standards

STANDARDS
Complies to AS4497.1

CODE	WLL (kg)	LENGTH (m)	WIDTH (mm)	COLOUR	UOM	PACK QTY
MRS6000X1	6000	1	80	Brown	Each	12
MRS6000X2	6000	2	80	Brown	Each	8
MRS6000X3	6000	3	80	Brown	Each	5
MRS6000X4	6000	4	80	Brown	Each	4
MRS6000X5	6000	5	80	Brown	Each	3
MRS6000X6	6000	6	80	Brown	Each	3
MRS6000X8	6000	8	80	Brown	Each	2
MRS6000X10	6000	10	80	Brown	Each	1

Note: Other lengths and sizes available on request.



MEGA ROUND SLINGS

FEATURES AND BENEFITS

- All purpose lifting sling made from high strength polyester yarn
- Light weight & flexible continuous looped sling
- Colour coded to International Lifting Standards

STANDARDS
Complies to AS4497.1

CODE	WLL (kg)	LENGTH (m)	WIDTH (mm)	COLOUR	UOM	PACK QTY
MRS8000X1	8000	1	86	Blue	Each	11
MRS8000X2	8000	2	86	Blue	Each	6
MRS8000X3	8000	3	86	Blue	Each	4
MRS8000X4	8000	4	86	Blue	Each	3
MRS8000X5	8000	5	86	Blue	Each	2
MRS8000X6	8000	6	86	Blue	Each	2

Note: Other lengths and sizes available on request.



MEGA ROUND SLINGS

FEATURES AND BENEFITS

- All purpose lifting sling made from high strength polyester yarn
- Light weight & flexible continuous looped sling
- Colour coded to International Lifting Standards

STANDARDS
Complies to AS4497.1

CODE	WLL (kg)	LENGTH (m)	WIDTH (mm)	COLOUR	UOM	PACK QTY
MRS10000X1	10000	1	100	Orange	Each	9
MRS10000X3	10000	3	100	Orange	Each	3
MRS10000X6	10000	6	100	Orange	Each	2

Note: Other lengths and sizes available on request.

JUMBO ROUND SLINGS

JUMBO ROUND SLINGS

FEATURES AND BENEFITS

- Lifting sling suitable for heavy lifting applications
- Made from high strength polyester yarn

STANDARDS
Complies to AS4497.1



CODE	WLL (kg)	LENGTH (m)	WIDTH (mm)	COLOUR	UOM	PACK QTY
SRS20000X3	20000	3	80	Orange	Each	1
SRS20000X4	20000	4	80	Orange	Each	1
SRS20000X5	20000	5	80	Orange	Each	1
SRS20000X6	20000	6	80	Orange	Each	1

Note: Other lengths and sizes available on request.

JUMBO ROUND SLINGS

FEATURES AND BENEFITS

- Lifting sling suitable for heavy lifting applications
- Made from high strength polyester yarn

STANDARDS
Complies to AS4497.1



CODE	WLL (kg)	LENGTH (m)	WIDTH (mm)	COLOUR	UOM	PACK QTY
SRS30000X3	30000	3	90	Orange	Each	1
SRS30000X4	30000	4	90	Orange	Each	1
SRS30000X5	30000	5	90	Orange	Each	1
SRS30000X6	30000	6	90	Orange	Each	1

Note: Other lengths and sizes available on request.

JUMBO ROUND SLINGS

FEATURES AND BENEFITS

- Lifting sling suitable for heavy lifting applications
- Made from high strength polyester yarn

STANDARDS
Complies to AS4497.1



CODE	WLL (kg)	LENGTH (m)	WIDTH (mm)	COLOUR	UOM	PACK QTY
SRS50000X3	50000	3	120	Orange	Each	1
SRS50000X4	50000	4	120	Orange	Each	1
SRS50000X6	50000	6	120	Orange	Each	1

Note: Other lengths and sizes available on request.

TWIN-PATH® TOW SLINGS FROM 5 TO 600 TONNES

Twin-Path® slings are manufactured in Australia by Beaver Brands, (under licence from Slingmas), and are constructed with K-Spec® high performance fibres which will not stretch under load - enabling accurate control. The slings consist of a Covermax® outer cover, which is four times more abrasion resistant than other slings with standard polyester covers.

WEIGHT ADVANTAGE

- 80% lighter than steel wire rope/chain slings
- 50% lighter than polyester.

CONTROL OF SLINGS

- Lightweight allowing better control by operators.

STORAGE, RETRIEVAL AND SALVAGE

- Easy rolled and folded for storage
- Ease of transport.

WEAR RESISTANT COVERMAX® OUTER COVER WOVEN

- Outer cover fabric is more abrasive resistant than common nylon or polyester.

REDUCED RIGGING TIMES

- Up to 80% reduction in rigging times.

SAFETY

- Reduce exposure to back and work related injury.

PROTECTIVE SLEEVES

- Covermax® pads and sleeves available if required.

TELL TAILS / OPTICAL FIBRES

- Allows continual monitoring of sling safety.

APPLICATIONS

- Special and heavy lifts
- Mining, towing, lifting
- Marine - Naturally Buoyant - K-Spec® does not absorb moisture
- Power stations.



AUSTRALIAN MADE



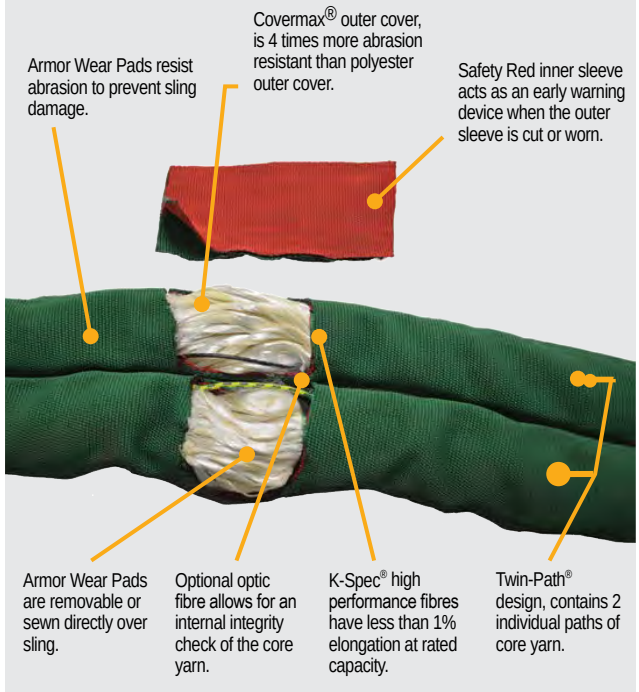
Twin-Path® Slings consist of two independent cores.





If the early warning indicators (EWI) is missing, the sling may be unfit for use.

SUPERIOR PATENTED DESIGN FEATURES



TWIN-PATH® LIFTING SLINGS

SLINGMAX RIGGING SOLUTIONS



TWIN-PATH® TECHNICAL SPECIFICATIONS

FEATURES AND BENEFITS

- High performance lifting sling
- Constructed with unique K-Spec® fibres
- Water resistant Covermax® cover
- 80% lighter than steel wire rope/chains
- Tell tails/optical fibres to monitor the safety of the sling
- 50% lighter than polyester

TWIN-PATH® CHART 7:1 - LIFTING - UP TO 600 TONNES

CODE	VERTICAL WLL (kg)	CHOKE WLL (kg)	BASKET WLL (kg)	60 DEG WLL	TUBE WIDTH (mm)	WEIGHT PER METRE (kg)
TPXC5	5000	4000	10000	8500	75	0.57
TPXC6	6000	4800	12000	10200	75	0.68
TPXC8	8000	6400	16000	13600	75	0.91
TPXC10	10000	8000	20000	17000	100	1.14
TPXC12	12000	9600	24000	20400	125	1.36
TPXC15	15000	12000	30000	25500	125	1.7
TPXC20	20000	16000	40000	34000	125	2.27
TPXC25	25000	20000	50000	42500	150	2.84
TPXC30	30000	24000	60000	51000	150	3.41
TPXC35	35000	28000	70000	59500	200	3.98
TPXC40	40000	32000	80000	68000	200	4.55
TPXC45	45000	36000	90000	76500	200	5.11
TPXC50	50000	40000	100000	85000	200	5.68
TPXC55	55000	44000	110000	93500	250	6.25
TPXC60	60000	48000	120000	102000	250	6.82
TPXC65	65000	52000	130000	110500	250	7.39
TPXC70	70000	56000	140000	119000	300	7.96
TPXC75	75000	60000	150000	127500	300	8.52
TPXC80	80000	64000	160000	136000	300	9.09
TPXC85	85000	68000	170000	144500	300	9.66
TPXC90	90000	72000	180000	153000	300	10.23
TPXC95	95000	76000	190000	161500	300	10.8
TPXC100	100000	80000	200000	170000	300	11.37
TPXC105	105000	84000	210000	178500	250 & 100	11.93
TPXC110	110000	88000	220000	187000	250 & 100	12.5
TPXC115	115000	92000	230000	195500	250 & 100	13.07
TPXC120	120000	96000	240000	204000	250 & 100	13.64
TPXC125	125000	100000	250000	212500	250 & 100	14.21
TPXC130	130000	104000	260000	221000	250 & 100	14.77
TPXC135	135000	108000	270000	229500	250 & 150	15.34
TPXC140	140000	112000	280000	238000	250 & 150	15.91
TPXC145	145000	116000	290000	246500	250 & 150	24.72
TPXC150	150000	120000	300000	255000	250 & 150	25.27
TPXC155	155000	124000	310000	263500	250 & 150	26.42
TPXC160	160000	128000	320000	272000	250 & 150	27.28
TPXC165	165000	132000	330000	280500	250 & 150	28.13
TPXC170	170000	136000	340000	289000	250 & 150	28.98
TPXC175	175000	140000	350000	297500	250 & 150	29.83
TPXC180	180000	144000	360000	306000	250 & 200	30.69
TPXC185	185000	148000	370000	314500	250 & 200	31.54
TPXC190	190000	152000	380000	323000	250 & 200	32.39
TPXC195	195000	156000	390000	331500	250 & 200	33.24
TPXC200	200000	160000	400000	340000	250 & 200	34.1

Note: Up to 600 tonne - Please contact your local branch for details. * Dimensions can vary according to the hardware or bearing points the slings are used with. Minimum is "tapered" width; Maximum is the flat tubing width. Test certificates supplied with all slings. To obtain the MBS (Minimum Breaking Strength) for towing multiply the WLL by 5. Example: TPXC5 = WLL 5000kg x 5 = 25,000kg.

SLINGMAX RIGGING SOLUTIONS



TWIN-PATH® TECHNICAL SPECIFICATIONS

FEATURES AND BENEFITS

- High performance lifting sling
- Constructed with unique K-Spec® fibres
- Water resistant Covermax® cover
- 80% lighter than steel wire rope/chains
- Tell tails/optical fibres to monitor the safety of the sling
- 50% lighter than polyester

TWIN-PATH® CHART 5:1 - TOWING

CODE	MBS (kg)	TUBE WIDTH (mm)	WEIGHT PER METRE (kg)
TPXC5	25000	75	0.3608
TPXC6	30000	75	0.4330
TPXC8	40000	75	0.5773
TPXC10	50000	75	0.7216
TPXC12	60000	100	0.8659
TPXC15	75000	100	1.0824
TPXC20	100000	125	1.4432
TPXC25	125000	125	1.8040
TPXC30	150000	150	2.1648
TPXC35	175000	150	2.5256
TPXC40	200000	150	2.8864
TPXC45	225000	150	3.2472
TPXC50	250000	200	3.6080
TPXC55	275000	200	3.9688
TPXC60	300000	200	4.3296
TPXC65	325000	200	4.6904
TPXC70	350000	200	5.0512
TPXC75	375000	250	5.4120
TPXC80	400000	250	5.7728
TPXC85	425000	250	6.1336
TPXC90	450000	250	6.4944
TPXC95	475000	300	6.8552
TPXC100	500000	300	7.2160

CODE	MBS (kg)	TUBE WIDTH (mm)	WEIGHT PER METRE (kg)
TPXC105	525000	300	7.5768
TPXC110	550000	300	7.9376
TPXC115	575000	300	8.2984
TPXC120	600000	300	8.6592
TPXC125	625000	300	9.0200
TPXC130	650000	300	9.3808
TPXC135	675000	300	9.7416
TPXC140	700000	300	10.1024
TPXC145	725000	250 & 100	15.6948
TPXC150	750000	250 & 100	16.2360
TPXC155	775000	250 & 100	16.7772
TPXC160	800000	250 & 100	17.3184
TPXC165	825000	250 & 100	17.8596
TPXC170	850000	200 & 150	18.4008
TPXC175	875000	200 & 150	18.9420
TPXC180	900000	200 & 150	19.4832
TPXC185	925000	250 & 150	20.0244
TPXC190	950000	250 & 150	20.5656
TPXC195	975000	250 & 150	21.1068
TPXC200	1000000	250 & 150	21.6480
TPXC250	1250000	250 & 150	27.0600
TPXC300	1500000	200 & 200	43.2960

Note: Other lengths and sizes available on request.



TWIN-PATH® SLING PROTECTION

CORNERMAX® PADS AND SLEEVES

Most synthetic sling accidents are caused by cutting. There are many kinds of protective sleeves and pads available, but only two synthetic protectors provide adequate cut protection:

CornerMax® Pads and CornerMax® Sleeves have been engineered and tested to provide 4464 kg of protection per centimetre of sling width.

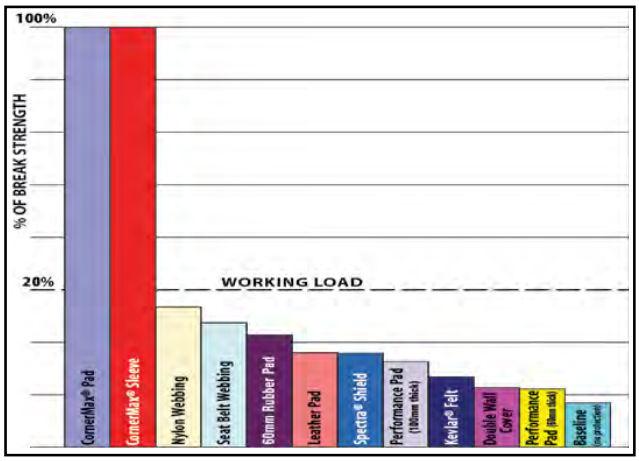
CornerMax® Pads are designed for 90° straight edges, whereas CornerMax® Sleeves are for other edges.



SLING PROTECTION

CornerMax® Sleeves may look like traditional protection sleeves, but are made of a high tech fibre that is specially woven to provide cut protection for a variety of edges and surfaces.

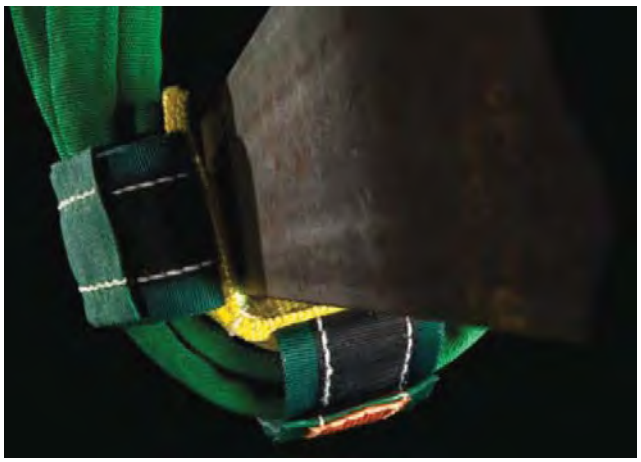
The chart below shows the results of testing slings protected by 12 different synthetic materials that are often used for sling protection. In our tests, ten of the most commonly used materials do not allow a sling to reach its working load before the sling is cut and fails. The CornerMax® Pad and Sleeve allow the synthetic sling to meet its working load with no damage to the sling or the protection.



OTHER FORMS OF SLING PROTECTION

For synthetic slings, the most critical decision is whether cut protection is needed. In some circumstances no cut protection, or simplified softeners only, are required.

At Bunzl Safety & Lifting we have a full line of engineered softeners that are excellent for abrasion protection or for protecting a load surface.



CornerMax® Pads create a “tunnel” of cut protection – a no-touch zone. Therefore, the edge does not come in contact with the pad or sling. Note that the sides of the pads must be completely supported in order to create and maintain the “tunnel”.



CornerMax® sleeves are made of a high tech fibre that is specially woven to provide cut protection for a variety of edges and surfaces.

SLINGMAX RIGGING SOLUTIONS

EQUALISER BLOCK

The Equalizer Block is used to maintain tension on all legs of the sling during a lift. Rather than adjusting slings and hooks prior to completing a lift, the Equalizer Block will automatically adjust itself when pressure is put on the device from the sling. This was designed specifically for Twin-Path® slings.

CODE	CAPACITY (5:1 DF)	INSIDE WIDTH (mm)	SUGGESTED SLING FOR 90° BASKET	BLOCK WEIGHT (kg)
SEB10	10 US ton	70mm	TPXCF1000	20kg
SEB25	25 US ton	100mm	TPXCF2500	36kg
SEB50	50 US ton	150mm	TPXCF5000	100kg
SEB75	75 US ton	150mm	TPXCF7500	122kg
SEB125M	125 metric ton	200mm	TPXCF15000	290kg

Note: Other lengths and sizes available on request.



The equaliser block automatically adjusts itself when under pressure.

TWIN-PATH® ADJUSTABLE BRIDLES

Twin-Path® Adjustable Bridles are a very useful rigging tool. They replace standard two or four leg bridles, with the additional value of self-adjustment to awkward loads. One leg has twice the capacity of the other leg. As tension is applied, Twin-Path® Adjustable Bridles self-adjust over the centre of gravity to find the lifting point for level, load handling.





Twin-Path® adjustable bridles self adjust over the centre of gravity.



BOAT LIFTING SLINGS

BOAT LIFTING SLINGS

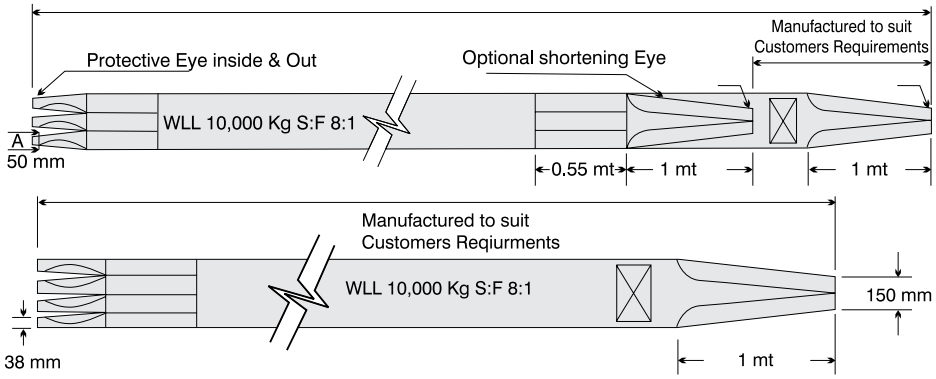
FEATURES AND BENEFITS

- Manufactured in two parts with 3 or 4 finger joints
- Chine pads available for protection from extrusions & keels
- Custom lengths available upon request
- Supplied with test certificate

STANDARDS
Complies to AS4498

CODE	NUMBER OF FINGERS	SLING LENGTH (m)	WLL VERTICAL SLING (kg)	BASKET SLING (kg)
545320F	3	2	10,000	20,000
545330F	3	3	10,000	20,000
545340F	3	4	10,000	20,000
545350F	3	5	10,000	20,000
545360F	3	6	10,000	20,000
545370F	3	7	10,000	20,000
545380F	3	8	10,000	20,000
545420F	4	2	10,000	20,000
545430F	4	3	10,000	20,000
545440F	4	4	10,000	20,000
545450F	4	5	10,000	20,000
545460F	4	6	10,000	20,000
545470F	4	7	10,000	20,000
545480F	4	8	10,000	20,000

Note: Other lengths and sizes available on request.



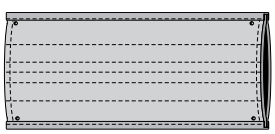


OPTIONAL SHORTENING EYE

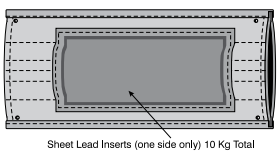
CODE	EYE LENGTH	LENGTH (m)
545308F	1	1.5

CINE & KEEL PADS

Standard Chine Pad



Standard Keel Pad with Lead Insert



Note: Please specify length of pads required when ordering.


70t
C31604


PAUTRUD COBR
VP 10



HARDWARE
FOR LIFTING & RIGGING

4

SHACKLES	373-381
RIGGING SCREWS & TURNBUCKLES	383-384
EYE BOLTS & NUTS	385-388
LINKS, HOOKS & SWIVELS	389
LIFTING & LASHING POINTS	390-394

BEAVER® B-Alloy® GUNNEBO Industries RUD®

CHOOSING THE CORRECT RIGGING HARDWARE

Rigging Hardware is an invaluable source of safety in many industrial, commercial, and recreational applications. The correct choice of rigging hardware depends on many variables, such as the different weather conditions they must withstand, the materials they are interacting with, and the safety factors involved. With so many options, it's important to differentiate between each piece of equipment to safely choose the best option for each unique lifting situation.

HARDWARE FOR LIFTING & RIGGING

WHEN COMPARING YOUR OPTIONS FOR LIFTING AND RIGGING EQUIPMENT, IT IS IMPORTANT TO CHOOSE THE RIGHT HARDWARE THAT WILL GET THE JOB DONE IN A SAFE MANNER.

According to Australian Standards, shackles and eyebolts must be inspected annually and it is also the users responsibility to visually inspect hardware items for legible markings, damage, cracks and corrosion, before each use. For further information refer to the latest Australian Standards - AS2741:2002 & AS2317:2018.

Bunzl Safety & Lifting supply a comprehensive range of high quality shackles and rigging hardware items (manufactured and tested to Australian Standards) for the most demanding working environments.

The range comprises all forms of shackles from dee, bow, safety pin and screw collar types, to turnbuckles, collared eye bolts and eye nuts, chain split links, snap hooks, quick links and swivels to suit your work load.



SHACKLES

Shackles are used in lifting and static systems as removable links to connect (steel) wire rope, chain and other fittings.

SCREW PIN SHACKLES
Are commonly used for non-permanent applications.

SAFETY PIN SHACKLES
Are used for long-term or permanent applications or where the load may slide on the pin, causing rotation of the pin.

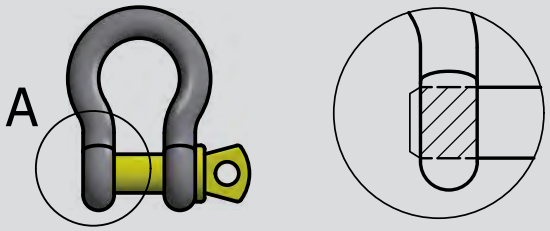
DEE SHACKLES
Are typically used on one-leg systems whereas
Bow shackles are mainly used on multi-leg systems.

SHACKLES SHOULD BE INSPECTED BEFORE USE TO ENSURE THAT:

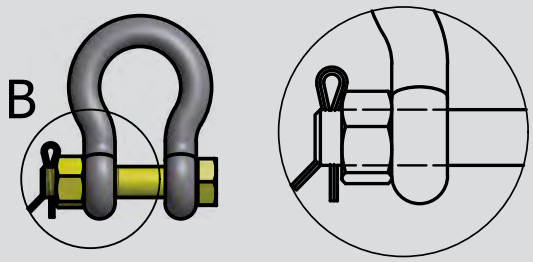
- All markings are legible
- The threads of the pin and the body are undamaged
- The body and the pin are not distorted or unduly worn
- The body and pin are free from nicks, gouges, cracks and corrosion
- The shackle is not to be heat treated as this may affect their Working Load Limit
- Never modify, repair or reshape a shackle by welding, heating or bending as this will affect the Working Load Limit
- Never use a safety bolt type shackle without using the split cotter pin.



DETAIL A SAFETY PIN



DETAIL B SAFETY PIN



GRADE 'S' SHACKLES

Our Grade S Shackles are a rated shackle that meet the requirement of AS 2741. Grade S Shackles are the most common shackles used in lifting applications, with a high strength to size ratio.

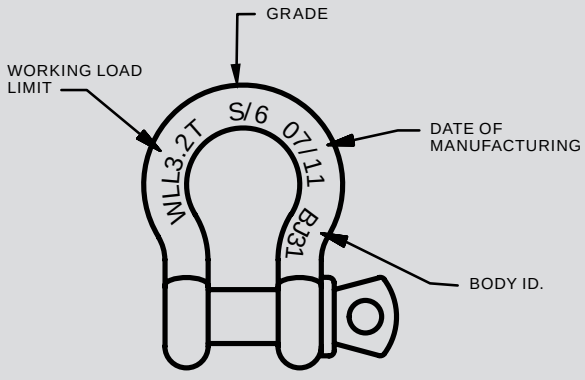
- Available in both Dee and Bow configurations
- Available in both Screw Pin and Safety Pin type - see drawing A and B for more information
- Because the pin holds more load than the body, the pin diameter is larger than the body diameter
- For the same W.L.L, they are smaller than grade M

OUR GRADE S SHACKLES COME IN TWO COLOUR CONFIGURATIONS:

BEAVER STANDARD GRADE S: Yellow pin

BEAVER COLOUR CODED GRADE S: Body and pin colour coded to AS 2741, for easy match to components

- The Body ID and date of Manufacture = the Batch ID

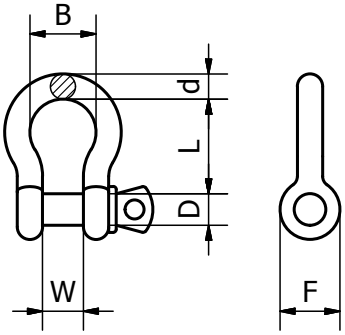


GRADE S SHACKLES



COLOUR CODED FOR SAFETY!

BEAVER COLOUR CODED SHACKLES
TAKE THE GUESSWORK OUT OF CHOOSING THE RIGHT CAPACITY WHEN MATCHING LIFTING COMPONENTS.



SCREW PIN CAPACITIES: 1 - 12 tonne

GRADE 'S' COLOUR CODED SCREW PIN BOW SHACKLES

FEATURES AND BENEFITS

- Colour coded to match correct capacity lifting components to international lifting Standards
- Body and pin made from high tensile steel (quenched & tempered)
- Easily identified with brand markings

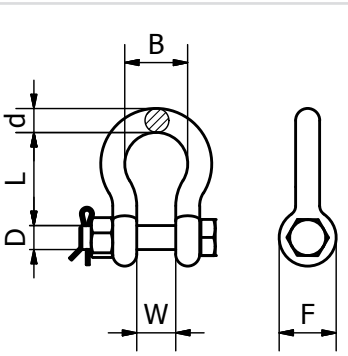
STANDARDS
Complies to AS2741

UOM: EACH

CODE	SIZE (mm)	WLL (t)	TYPE	SHAPE	CLOSING METHOD	SHACKLE COLOUR	DIA d (mm)	PIN DIA D (mm)	INSIDE WIDTH W (mm)	INSIDE LENGTH L (mm)	WIDTH OF BOW B (mm)	DIA BOSS F (mm)	APPROX WEIGHT (kg)	PACK QTY
242310M	10 x 11	1.00	Grade S	Bow	Screw	Violet	10	11	17	37	26	25	0.15	180
242313M	13 x 16	2.00	Grade S	Bow	Screw	Green	13	16	21	48	33	33	0.37	75
242316M	16 x 19	3.20	Grade S	Bow	Screw	Yellow	16	19	27	61	43	40	0.65	35
242319M	19 x 22	4.70	Grade S	Bow	Screw	Grey	19	22	32	72	51	48	1.06	20
242322M	22 x 25	6.50	Grade S	Bow	Screw	Brown	22	25	37	84	58	54	1.56	15
242325M	25 x 29	8.50	Grade S	Bow	Screw	Blue	25	29	43	95	68	60	2.32	10
242332M	32 x 35	12.00	Grade S	Bow	Screw	Orange	32	35	52	119	83	76	4.51	5



COLOUR CODED FOR SAFETY!



SAFETY PIN CAPACITIES: 2 - 8.5 tonne

GRADE 'S' COLOUR CODED SAFETY PIN BOW SHACKLES

FEATURES AND BENEFITS

- Colour coded to match correct capacity lifting components to international lifting Standards
- Body and pin made from high tensile steel (quenched & tempered)
- Easily identified with brand markings

STANDARDS
Complies to AS2741

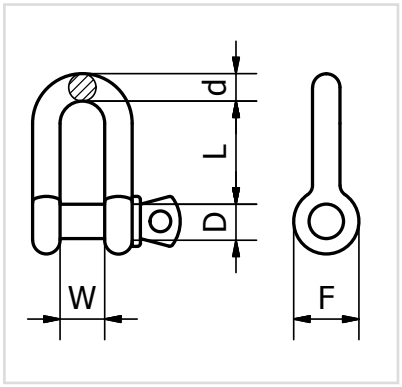
UOM: EACH

CODE	SIZE (mm)	WLL (t)	TYPE	SHAPE	CLOSING METHOD	SHACKLE COLOUR	DIA d (mm)	PIN DIA D (mm)	INSIDE WIDTH W (mm)	INSIDE LENGTH L (mm)	WIDTH OF BOW B (mm)	DIA BOSS F (mm)	APPROX WEIGHT (kg)	PACK QTY
244313M	13 x 16	2.00	Grade S	Bow	Safety Pin	Green	13	16	21	48	33	33	0.44	50
244316M	16 x 19	3.20	Grade S	Bow	Safety Pin	Yellow	16	19	27	61	43	40	0.79	30
244319M	19 x 22	4.70	Grade S	Bow	Safety Pin	Grey	19	22	32	72	51	48	1.26	20
244322M	22 x 25	6.50	Grade S	Bow	Safety Pin	Brown	22	25	37	84	58	54	1.88	15
244325M	25 x 29	8.50	Grade S	Bow	Safety Pin	Blue	25	29	43	95	68	60	2.78	10



GRADE S SHACKLES





DEE TYPE CAPACITIES: 0.5 - 35 tonne

GRADE 'S' YELLOW PIN SCREW PIN SHACKLES - DEE TYPE

FEATURES AND BENEFITS

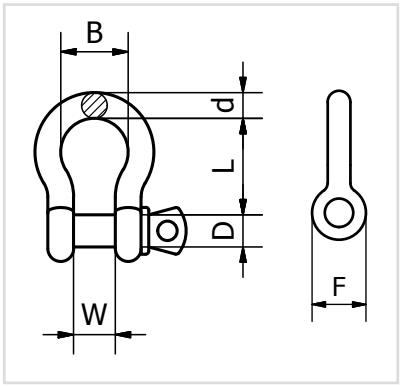
- Body and pin made from high tensile steel (quenched & tempered)
- Easily identified with brand markings
- Hot dipped galvanised

STANDARDS
Complies to AS2741

UOM: EACH

CODE	SIZE (mm)	WLL (t)	TYPE	SHAPE	CLOSING METHOD	DIA d (mm)	PIN DIA D (mm)	INSIDE WIDTH W (mm)	INSIDE LENGTH L (mm)	DIA BOSS F (mm)	APPROX WEIGHT (kg)	PACK QTY
241306	6 x 8	0.50	Grade S	Dee	Screw	6	8	12	22	17	0.06	400
241308	8 x 10	0.75	Grade S	Dee	Screw	8	10	13	26	21	0.11	250
241310	10 x 11	1.00	Grade S	Dee	Screw	10	11	17	32	25	0.15	150
241311	11 x 13	1.50	Grade S	Dee	Screw	11	13	18	37	27	0.21	100
241313	13 x 16	2.00	Grade S	Dee	Screw	13	16	21	41	33	0.37	70
241316	16 x 19	3.20	Grade S	Dee	Screw	16	19	27	51	40	0.65	30
241319	19 x 22	4.70	Grade S	Dee	Screw	19	22	32	60	48	1.06	20
241322	22 x 25	6.50	Grade S	Dee	Screw	22	25	37	71	54	1.56	15
241325	25 x 29	8.50	Grade S	Dee	Screw	25	29	43	81	60	2.32	10
241329	29 x 32	9.50	Grade S	Dee	Screw	29	32	46	90	67	3.28	6
241332	32 x 35	12.00	Grade S	Dee	Screw	32	35	52	100	76	4.51	5
241335	35 x 38	13.50	Grade S	Dee	Screw	35	38	57	113	84	5.43	4
241338	38 x 41	17.00	Grade S	Dee	Screw	38	41	60	124	92	7.89	3
241344	44 x 51	25.00	Grade S	Dee	Screw	44	51	73	146	110	13.4	2
241351	51 x 57	35.00	Grade S	Dee	Screw	51	57	83	171	127	18.85	1





BOW TYPE CAPACITIES: 0.33 - 55 tonne

GRADE 'S' YELLOW PIN SCREW PIN SHACKLES - BOW TYPE

FEATURES AND BENEFITS

- Body and pin made from high tensile steel (quenched & tempered)
- Easily identified with brand markings
- Hot dipped galvanised

STANDARDS
Complies to AS2741

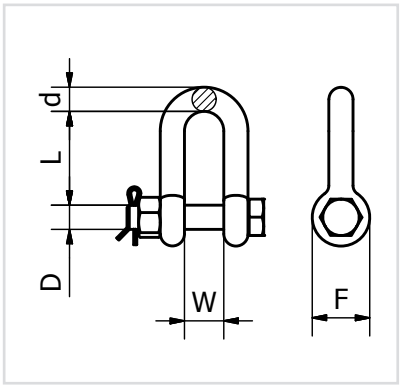
UOM: EACH

CODE	SIZE (mm)	WLL (t)	TYPE	SHAPE	CLOSING METHOD	DIA d (mm)	PIN DIA D (mm)	INSIDE WIDTH W (mm)	INSIDE LENGTH L (mm)	WIDTH OF BOW B (mm)	DIA BOSS F (mm)	APPROX WEIGHT (kg)	PACK QTY
242305	5 x 6	0.33	Grade S	Bow	Screw	5	6	10	22	15	14	0.02	500
242306	6 x 8	0.5	Grade S	Bow	Screw	6	8	12	29	20	17	0.06	400
242308	8 x 10	0.75	Grade S	Bow	Screw	8	10	13	31	21	21	0.11	250
242310	10 x 11	1	Grade S	Bow	Screw	10	11	17	37	26	25	0.15	150
242311	11 x 13	1.5	Grade S	Bow	Screw	11	13	18	43	29	27	0.21	100
242313	13 x 16	2	Grade S	Bow	Screw	13	16	21	48	33	33	0.37	60
242316	16 x 19	3.2	Grade S	Bow	Screw	16	19	27	61	43	40	0.65	30
242319	19 x 22	4.7	Grade S	Bow	Screw	19	22	32	72	51	48	1.06	20
242322	22 x 25	6.5	Grade S	Bow	Screw	22	25	37	84	58	54	1.56	15
242325	25 x 29	8.5	Grade S	Bow	Screw	25	29	43	95	68	60	2.32	10
242329	29 x 32	9.5	Grade S	Bow	Screw	29	32	46	108	74	67	3.28	6
242332	32 x 35	12	Grade S	Bow	Screw	32	35	52	119	83	76	4.51	4
242335	35 x 38	13.5	Grade S	Bow	Screw	35	38	57	133	92	84	5.43	4
242338	38 x 41	17	Grade S	Bow	Screw	38	41	60	146	98	92	7.89	3
242344	44 x 51	25	Grade S	Bow	Screw	44	51	73	178	127	110	13.40	2
242351	51 x 57	35	Grade S	Bow	Screw	51	57	83	197	146	127	18.85	1
242363	63 x 70	55	Grade S	Bow	Screw	63	70	105	267	184	152	37.86	1



GRADE S SHACKLES





DEE TYPE CAPACITIES: 2.0 - 13.5 tonne

GRADE 'S' YELLOW PIN SAFETY PIN SHACKLES - DEE TYPE

FEATURES AND BENEFITS

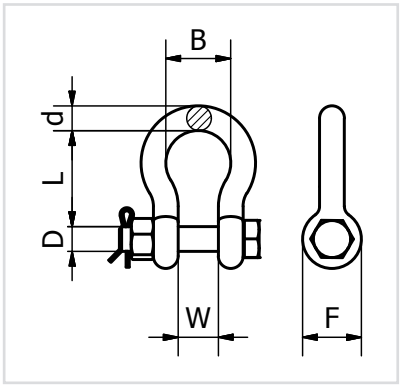
- Body and pin made from high tensile steel (quenched & tempered)
- Easily identified with brand markings

STANDARDS
Complies to AS2741

UOM: EACH

CODE	SIZE (mm)	WLL (t)	TYPE	SHAPE	CLOSING METHOD	DIA d (mm)	PIN DIA D (mm)	INSIDE WIDTH W (mm)	INSIDE LENGTH L (mm)	DIA BOSS F (mm)	APPROX WEIGHT (kg)	PACK QTY
243313	13 x 16	2.00	Grade S	Dee	Safety Pin	13	16	21	41	33	0.44	60
243316	16 x 19	3.20	Grade S	Dee	Safety Pin	16	19	27	51	40	0.79	30
243319	19 x 22	4.70	Grade S	Dee	Safety Pin	19	22	32	60	48	1.26	20
243322	22 x 25	6.50	Grade S	Dee	Safety Pin	22	25	37	71	54	1.88	15
243325	25 x 29	8.50	Grade S	Dee	Safety Pin	25	29	43	81	60	2.78	10
243332	32 x 35	12.00	Grade S	Dee	Safety Pin	32	35	52	100	76	5.26	4





BOW TYPE CAPACITIES: 2.0 - 55 tonne

GRADE 'S' YELLOW PIN SAFETY PIN SHACKLES - BOW TYPE

FEATURES AND BENEFITS

- Body and pin made from high tensile steel (quenched & tempered)
- Easily identified with brand markings

STANDARDS
Complies to AS2741

UOM: EACH

CODE	SIZE (mm)	WLL (t)	TYPE	SHAPE	CLOSING METHOD	DIA d (mm)	PIN DIA D (mm)	INSIDE WIDTH W (mm)	INSIDE LENGTH L (mm)	WIDTH OF BOW B (mm)	DIA BOSS F (mm)	APPROX WEIGHT (kg)	PACK QTY
244313	13 x 16	2.00	Grade S	Bow	Safety Pin	13	16	21	48	33	33	0.44	50
244316	16 x 19	3.20	Grade S	Bow	Safety Pin	16	19	27	61	43	40	0.79	30
244319	19 x 22	4.70	Grade S	Bow	Safety Pin	19	22	32	72	51	48	1.26	20
244322	22 x 25	6.50	Grade S	Bow	Safety Pin	22	25	37	84	58	54	1.88	10
244325	25 x 29	8.50	Grade S	Bow	Safety Pin	25	29	43	95	68	60	2.78	10
244329	29 x 32	9.50	Grade S	Bow	Safety Pin	29	32	46	108	74	67	3.87	6
244332	32 x 35	12.00	Grade S	Bow	Safety Pin	32	35	52	119	83	76	5.26	5
244335	35 x 38	13.50	Grade S	Bow	Safety Pin	35	38	57	133	92	84	6.94	3
244338	38 x 41	17.00	Grade S	Bow	Safety Pin	38	41	60	146	98	92	8.79	3
244345	45 x 51	25.00	Grade S	Bow	Safety Pin	44	51	73	178	127	110	14.99	2
244351	51 x 57	35.00	Grade S	Bow	Safety Pin	51	57	83	197	146	127	20.65	1
244363	63 x 70	55.00	Grade S	Bow	Safety Pin	63	70	105	267	184	152	41.05	1

GUNNEBO Industries

BOW TYPE CAPACITIES: 2 - 120 tonne

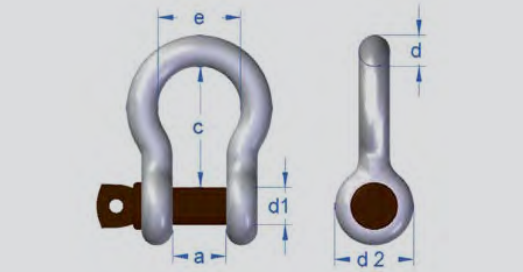
OFFSHORE LIFTING SHACKLES

FEATURES AND BENEFITS

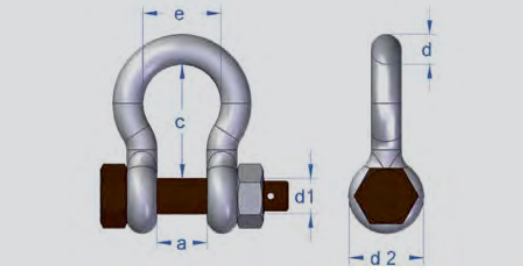
- DNV 2.7-1 Type Approved, EN-13889 and U.S Fed. Spec. RR-C-271
- Made from high tensile carbon steel, quenched and tempered, Grade 6
- All parts hot dip galvanized, brown painted pins on top of galvanised finish
- Safety factor: 6:1
- Test certificate and traceable raw material/inspection certificate acc. EN-10204 - 3.1.
- 2-25 tonne versions supplied with DNV 2.7-1 Type Approval Certification
- Suited for use from -20°C to 200°C

STANDARDS
Complies to AS 2741

SCREW PIN #854



SAFETY BOLT PIN #855



UOM: EACH

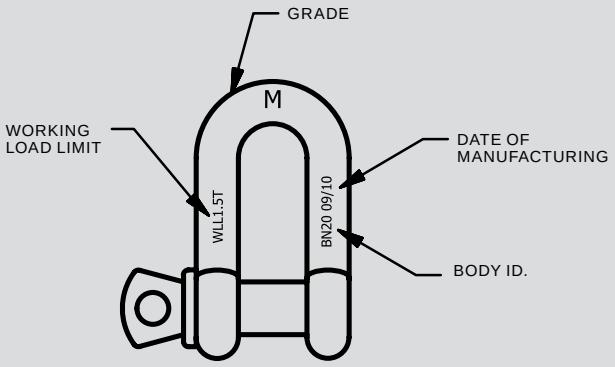
CODE SCREW PIN	CODE SAFETY BOLT	WLL (t) 6:1	DIA BOLT d1 (mm)	DIA BODY d (mm)	INNER WIDTH a* (mm))	INNER LENGTH c* (mm))	WIDTH OF BOW e (mm)	EYE OUTER d2 (mm)	SCREW PIN kg/100PCS	SAFETY BOLTS kg/100PCS
A085413	A085513	2	16	13	21	47	33	33	37	42
A085416	A085516	3.25	19	16	27	60	42	40	65	70
A085419	A085519	4.75	22	19	31	71	51	47	110	120
A085422	A085522	6.5	25	22	37	84	58	50	150	170
A085425	A085525	8.5	28	25	43	95	68	58	220	250
A085428	A085528	9.5	32	28	46	108	74	64	310	340
A085432	A085532	12	35	32	52	119	83	72	420	480
A085435	A085535	13.5	38	35	57	132	89	74	600	700
A085438	A085538	17	42	38	60	146	98	84	800	900
A085445	A085545	25	50	45	74	178	127	105	1350	1500
A085452	A085552	35	57	50	83	197	138	127	1900	2100
-	A085556	42.5	65	57	95	222	160	140	-	2850
A085464	A085564	55	70	65	105	255	185	152	3800	
-	A085576	85	83	75	127	330	190	165	-	6200
-	**A085589	120	95	89	146	380	235	203	-	11000

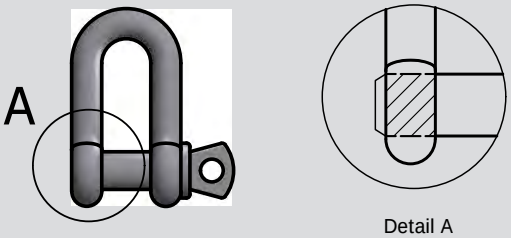
* Forging tolerance: +/- 5% on inside width/length. ** Safety factor 5:1

GRADE M SHACKLES

BEAVER GRADE M SHACKLES ARE RATED SHACKLES THAT COMPLY WITH THE REQUIREMENTS OF AS 2741. GRADE M SHACKLES ARE COMMONLY USED IN MARINE APPLICATIONS.

- Only available in Dee configuration
- Screw Pin type only – please see drawing A for more information
- Because the pin holds more load than the body, the pin diameter is larger than the body diameter
- The Body ID and date of Manufacture = the Batch ID.
- For the same W.L.L, they are smaller than grade M





Detail A
Screw Pin

BEAVER®

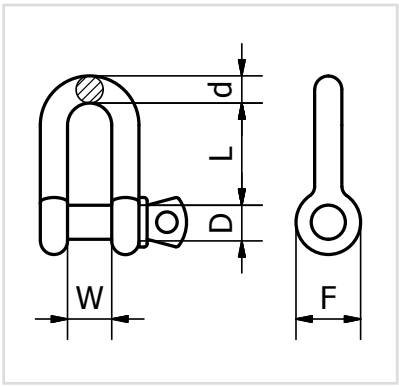
SELF COLOUR CAPACITIES: 0.5 - 20 tonne

GRADE 'M' LARGE DEE SHACKLES - SELF COLOUR

FEATURES AND BENEFITS

- Highly suited to marine applications
- Pin diameter is larger than the body diameter to allow it to hold more load than the body
- Easily identified with brand markings





STANDARDS
Complies to AS2741

UOM: EACH

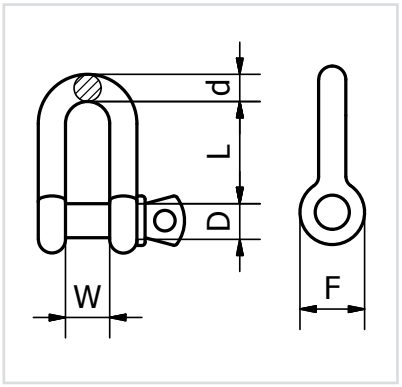
CODE	SIZE (mm)	WLL (t)	TYPE	FINISH	SHAPE	CLOSING METHOD	DIA d (mm)	DIA PIN D (mm)	INSIDE WIDTH W (mm)	INSIDE LENGTH L (mm)	DIA BOSS F (mm)	APPROX WEIGHT (kg)	PACK QTY
230010	10 x 13	0.50	Grade M	Self Colour	Dee	Screw	10	13	19	38	25	0.16	200
230013	13 x 16	0.75	Grade M	Self Colour	Dee	Screw	13	16	28	54	32	0.35	80
230016	16 x 19	1.50	Grade M	Self Colour	Dee	Screw	16	19	32	63	38	0.61	50
230020	19 x 22	2.00	Grade M	Self Colour	Dee	Screw	19	22	38	73	44	1.10	30
230023	22 x 25	3.00	Grade M	Self Colour	Dee	Screw	22	25	44	83	51	1.50	25
230025	25 x 29	3.80	Grade M	Self Colour	Dee	Screw	25	29	51	95	57	2.14	15
230028	29 x 32	5.00	Grade M	Self Colour	Dee	Screw	29	32	54	105	63	2.98	10
230032	32 x 35	6.00	Grade M	Self Colour	Dee	Screw	32	35	60	114	70	3.10	5
230035	35 x 38	7.00	Grade M	Self Colour	Dee	Screw	35	38	67	127	76	4.61	5
230038	38 x 44	9.50	Grade M	Self Colour	Dee	Screw	38	44	70	137	89	8.01	5
230042	41 x 48	11.00	Grade M	Self Colour	Dee	Screw	41	48	76	146	95	10.48	3
230045	44 x 51	13.00	Grade M	Self Colour	Dee	Screw	44	51	83	156	102	12.65	3
230050	51 x 57	16.00	Grade M	Self Colour	Dee	Screw	51	57	98	114	114	18.50	1
230056	57 x 63	20.00	Grade M	Self Colour	Dee	Screw	57	63	108	210	127	28.00	1

BEAVER®

GALVANISED CAPACITIES: 0.25 - 20 tonne

GRADE 'M' DEE SHACKLES - GALVANISED





FEATURES AND BENEFITS

- Highly suited to marine applications
- Pin diameter is larger than the body diameter to allow it to hold more load than the body
- Easily identified with brand markings

STANDARDS
Complies to AS2741

UOM: EACH

CODE	SIZE (mm)	WLL (t)	TYPE	FINISH	SHAPE	CLOSING METHOD	DIA d (mm)	DIA PIN D (mm)	INSIDE WIDTH W (mm)	INSIDE LENGTH L (mm)	DIA BOSS F (mm)	APPROX WEIGHT (kg)	PACK QTY
230306	6 x 10	0.25	Grade M	Galvanised	Dee	Screw	6	10	13	25	19	0.061	600
230310	10 x 13	0.50	Grade M	Galvanised	Dee	Screw	10	13	19	38	25	0.16	200
230313	13 x 16	0.75	Grade M	Galvanised	Dee	Screw	13	16	28	54	32	0.35	80
230316	16 x 19	1.50	Grade M	Galvanised	Dee	Screw	16	19	32	63	38	0.61	50
230320	19 x 22	2.00	Grade M	Galvanised	Dee	Screw	19	22	38	73	44	1.10	30
230323	22 x 25	3.00	Grade M	Galvanised	Dee	Screw	22	25	44	83	51	1.50	25
230325	25 x 29	3.80	Grade M	Galvanised	Dee	Screw	25	29	51	95	57	2.14	15
230328	29 x 32	5.00	Grade M	Galvanised	Dee	Screw	29	32	54	105	63	2.98	10
230332	32 x 35	6.00	Grade M	Galvanised	Dee	Screw	32	35	60	114	70	3.10	5
230335	35 x 38	7.00	Grade M	Galvanised	Dee	Screw	35	38	67	127	76	4.61	5
230338	38 x 44	9.50	Grade M	Galvanised	Dee	Screw	38	44	70	137	89	8.01	5
230342	41 x 48	11.00	Grade M	Galvanised	Dee	Screw	41	48	76	146	95	10.48	3

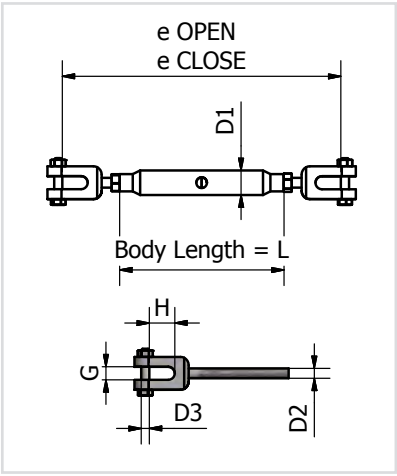




RATED RIGGING HARDWARE

Our range of Rigging Hardware complies with a number of different standards. Each product has a working load limit (W.L.L) and is rated for lifting applications. Our range of quality rigging hardware is manufactured from the finest milling techniques and designed for both heavy industry use and general hardware applications.





JAW AND JAW RIGGING SCREWS WITH LOCKNUTS BS4429

TESTED HOT DIPPED GALVANISED

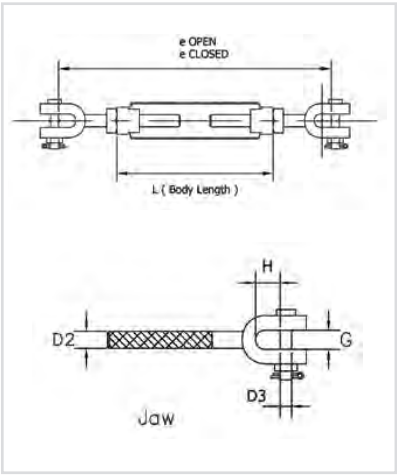
- Used for length adjustment and tensioning

STANDARDS
Complies to BS4429

UOM: EACH

CODE	SIZE (mm)	e OPEN (mm)	e CLOSE (mm)	L (mm)	D1 (mm)	D2 (mm)	D3 (mm)	G (mm)	H (mm)	WLL (t)	PACK QTY	WEIGHT / 100 (kg)
328310	10	349	235	152	21	10	8	11	21	0.3	50	44
328313	13	524	343	229	25	13	9	19	35	0.5	25	85
328316	16	550	361	229	27	16	13	22	51	0.75	15	140
328320	20	550	387	229	34	20	16	22	48	1.25	20	220





SUPER BUCKLES JAW AND JAW WITH LOCK NUTS. FEDERAL SPEC FF-T-791

FORGED HOT DIPPED GALVANISED

- Complete with locking nuts

STANDARDS
Complies to Federal Spec FF-T-791

UOM: EACH

CODE	SIZE (in)	FINISH	E OPEN (mm)	E CLOSE (mm)	L (mm)	D2 (mm)	D3 (mm)	G (mm)	H (mm)	WLL (t)	PACK QTY	WEIGHT QTY 100 (kg)
322412	12x305	Galvanised	775	470	342	12.5	9.5	14	26	1	25	110
322416	16x305	Galvanised	815	510	352	15.8	12.5	20	34	1.59	15	175
322419	19x305	Galvanised	850	545	360	19	15.8	25.5	38	2.36	10	280
322422	22x305	Galvanised	890	585	370	22.2	19	30	45	3.26	6	371
322425	25x305	Galvanised	935	630	380	25.4	22.2	32	51	4.54	5	560

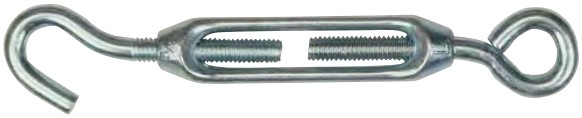
COMMERCIAL TURNBUCKLES

The intended use of our commercial rigging hardware is for non-lifting applications, such as; guying and rigging of fences, pillars etc. In order to decrease corrosion against the toughest environment, they are available in both hot dipped galvanised and zinc plated options.

FEATURES AND BENEFITS

- Ideal for guying and rigging of fences, pillars and similar applications
- Hot dip galvanised or zinc plated for excellent corrosion resistance

NOTE:- NOT SUITABLE FOR LIFTING



HOOK AND EYE COMMERCIAL TURNBUCKLES

ELECTRO PLATED

UOM: EACH

CODE	SIZE (mm)	PACK QTY	APPROX WEIGHT (kg)
320205	5	600	15
320206	6	200	16
320208	8	150	24
320210	10	100	39



EYE AND EYE COMMERCIAL TURNBUCKLES

ELECTRO PLATED

UOM: EACH

CODE	SIZE (mm)	PACK QTY	APPROX WEIGHT (kg)
321205	5	600	15
321206	6	200	16
321208	8	150	24
321210	10	75	39



FORGED STUB AND STUB COMMERCIAL TURNBUCKLES

FORGED HOT DIPPED GALVANISED

UOM: EACH

CODE	SIZE (mm)	PACK QTY	APPROX WEIGHT (kg)
325010	10	100	26
325013	13	50	50
325016	16	25	100
325020	20	10	168
325023	23	8	246
325025	25	8	256



EYE AND EYE COMMERCIAL TURNBUCKLES

FORGED HOT DIPPED GALVANISED

UOM: EACH

CODE	SIZE (mm)	PACK QTY	APPROX WEIGHT (kg)
324206	6	200	8
324208	8	150	14
324210	10	100	26
324213	13	50	50
324216	16	25	100
324220	20	20	168
324223	22	8	246
324225	25	8	256



HOOK AND EYE COMMERCIAL TURNBUCKLES

FORGED HOT DIPPED GALVANISED

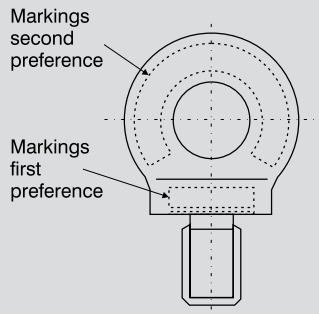
UOM: EACH

CODE	SIZE (mm)	PACK QTY	APPROX WEIGHT (kg)
323206	6	200	8
323208	8	150	14
323210	10	100	26
323213	13	40	50
323216	16	25	100
323220	20	15	168
323223	22	10	246
323225	25	8	256

LIFTING EYE BOLTS - COLLARED

Our lifting eye bolts and eye nuts come in a range of threads including BSW, UNC and Metric and are predominately used for lifting applications.

Eye bolts and eye nuts both carry the markings as shown.

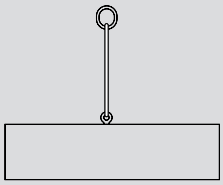


It is recommended that all eyebolts used for lifting be of forged steel and be equipped with shoulders or collars.

VERTICAL LIFT ONLY PLAIN EYEBOLT IS ACCEPTABLE



PLAIN EYEBOLT

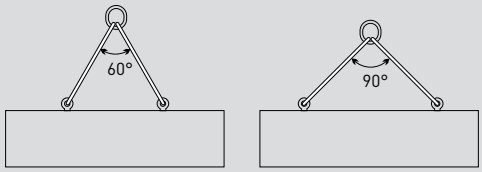


PLAIN OR COLLAR EYEBOLT

ANGULAR LIFTS COLLARED EYEBOLT ONLY



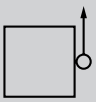
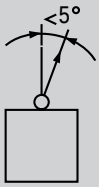
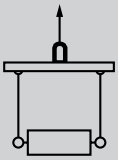
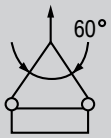
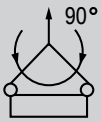
COLLARED EYEBOLT



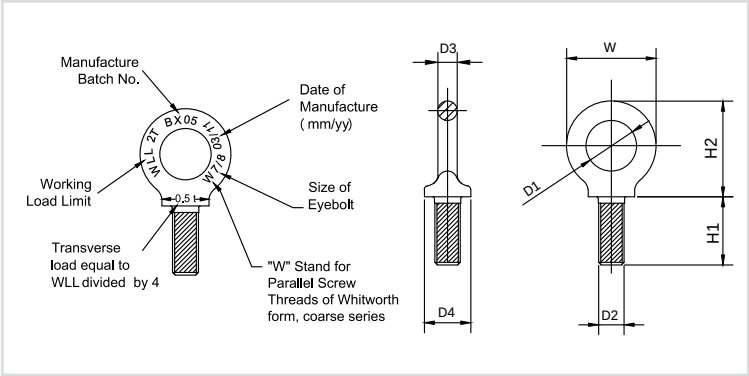
COLLAR EYEBOLT ONLY

The Australian Standard covering collared Eyebolts is AS 2317-1984.
The section on "Care and Use of Eyebolts" is taken from that standard.
NB: Only use rated Eyebolts for lifting

WLL FOR AN M3 LOAD APPLICATION AS SPECIFIED BY AS 1418.1

1	2	3	4	5	6	7
	SINGLE EYEBOLT OR EYENUT			PAIR OF EYEBOLT OR EYENUTS (SEE NOTES 1 AND 4)		
THREAD SIZE (SEE NOTES 2 AND 3)	TRANVERSE (t)	AXIAL (t)	TRANVERSE (t)	MAXIMUM INCLUDED ANGLE 30° (t)	MAXIMUM INCLUDED ANGLE 60° (t)	MAXIMUM INCLUDED ANGLE 90° (t)
						
Loading Factor	0.25	1	0.5	1.25	0.80	0.5
M10	0.06	0.25	0.12	0.31	0.20	0.12
M12	0.10	0.40	0.20	0.50	0.32	0.20
M16	0.20	0.80	0.40	1.00	0.64	0.40
M20	0.40	1.60	0.80	2.0	1.28	0.80
M22	0.50	2.0	1.00	2.5	1.60	1.00
M24	0.62	2.5	1.25	3.1	2.0	1.25
M30	1.00	4.0	2.0	5.0	3.2	2.0
M33	1.25	5.0	2.5	6.3	4.0	2.5
M36	1.57	6.3	3.1	7.9	5.0	3.1
M39	1.75	7.0	3.5	8.8	5.6	3.5
M42	2.0	8.0	4.0	10.0	6.4	4.0
M48	2.5	10.0	5.0	12.6	8.0	5.0
M56	3.7	15.0	7.5	18.9	12.0	7.5
M64	5.0	20.0	10.0	25	16.0	10.0
M72	6.2	25.0	12.5	31	20	12.5
M76	7.5	30.0	15.0	37	24	15.0





LIFTING COLLARED EYE BOLTS WITH B.S.W THREAD BS529

FEATURES AND BENEFITS

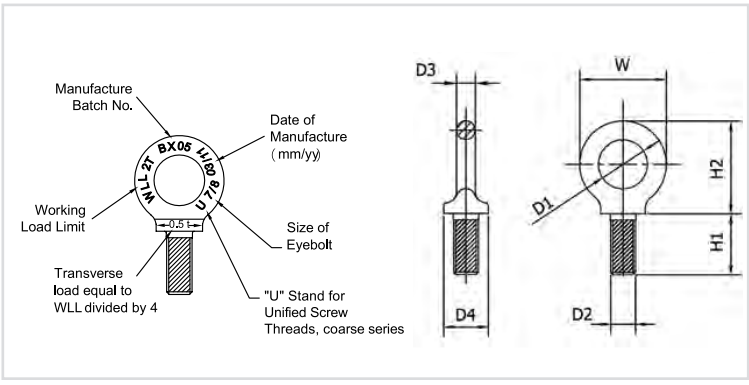
- Suitable for lifting

STANDARDS
Complies to AS2317

UOM: EACH

CODE	SIZE (in)	FINISH	W (mm)	H1 (mm)	H2 (mm)	D1 (mm)	D2 (mm)	D3 (mm)	D4 (mm)	WLL (t)	TRANSVERSE LOAD (t)	PACK QTY	WEIGHT / 100 (kg)
358010	3/8”	Self Colour	32	17	35	14	9.53	9	21	0.25	0.06	400	5.5
358013	1/2”	Self Colour	41	22	42.5	19	12.70	11	28	0.4	0.1	150	14.6
358016	5/8”	Self Colour	52	28	58	24	15.88	14	36	0.8	0.2	60	30
358019	3/4”	Self Colour	62	33	69	28	19.05	17	43	1.6	0.4	40	52.5
358022	7/8”	Self Colour	73	39	80.5	33	22.23	20	50	2	0.5	20	90
358025	1”	Self Colour	82	44	92	38	25.40	22	57	2.5	0.62	15	106
358028	1-1/8”	Self Colour	92	50	103	42	28.58	25	64	3.5	0.87	15	160
358032	1-1/4”	Self Colour	104	55	116	48	31.75	28	71	5	1.25	6	260





LIFTING COLLARED EYE BOLTS WITH UNC THREAD BS529

FEATURES AND BENEFITS

- Suitable for lifting

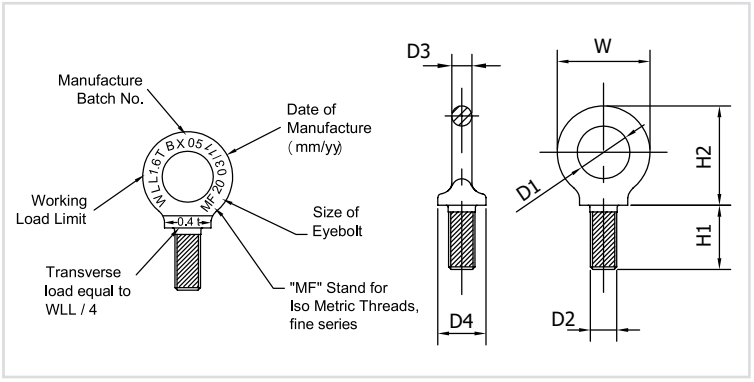
STANDARDS
Complies to AS2317

UOM: EACH

CODE	SIZE (in)	FINISH	W (mm)	H1 (mm)	H2 (mm)	D1 (mm)	D2 (mm)	D3 (mm)	D4 (mm)	WLL (t)	TRANSVERSE LOAD (t)	PACK QTY	WEIGHT / 100 (kg)
360010	3/8”	Self Colour	33	9	36	15	9.53	9	22	0.25	0.06	400	6
360012	1/2”	Self Colour	44	11	48.0	20	12.70	11	29	0.4	0.1	150	15
360016	5/8”	Self Colour	52	14	58	24	15.88	14	36	0.8	0.2	80	27
360019	3/4”	Self Colour	66	17	73	30	19.05	18	45	1.4	0.4	40	54
360022	7/8”	Self Colour	77	20	84.0	35	22.23	21	52	2	0.5	40	85
360025	1”	Self Colour	85	22	94	39	25.40	23	58	2.5	0.62	25	113
360032	1-1/4”	Self Colour	106	28	117	48	31.75	29	72	5	1.25	6	237
360038	1-1/2”	Self Colour	118	33	131.0	54	38.10	32	81	7	1.75	6	312



LIFTING COLLARED EYE BOLTS WITH METRIC THREADS BS4278



FEATURES AND BENEFITS

- Suitable for lifting
- Zinc Dichromate finish prevents anti-corrosion

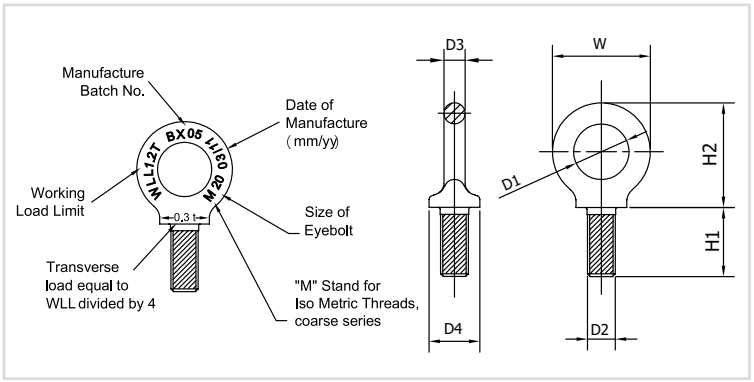
STANDARDS
Complies to AS2317

UOM: EACH

CODE	SIZE (in)	FINISH	W (mm)	H1 (mm)	H2 (mm)	D1 (mm)	D2 (mm)	D3 (mm)	D4 (mm)	WLL (t)	TRANSVERSE LOAD (t)	PACK QTY	WEIGHT / 100 (kg)
359008	8	Zinc Dichromate	33	18	36	15	8	18	22	0.15	0.04	300	6
359010	10	Zinc Dichromate	33	18	36	15	10	18	22	0.25	0.06	180	6
359012	12	Zinc Dichromate	33	18	36	15	12	18	22	0.4	0.1	400	6
359016	16	Zinc Dichromate	44	23	48	20	16	24	29	0.8	0.2	120	15
359020	20	Zinc Dichromate	59	32	65	27	20	32	40	1.2	0.3	60	38
359022	22	Zinc Dichromate	64	35	73	30	22	34	45	1.5	0.37	30	54
359024	24	Zinc Dichromate	77	40	84	35	24	42	52	2.5	0.62	10	85
359030	30	Zinc Dichromate	96	51	106	44	30	52	65	4	1	4	162



LIFTING METRIC SHOULDERED EYE BOLTS TO DIN580



FEATURES AND BENEFITS

- Suitable for lifting
- Zinc Dichromate finish prevents anti-corrosion

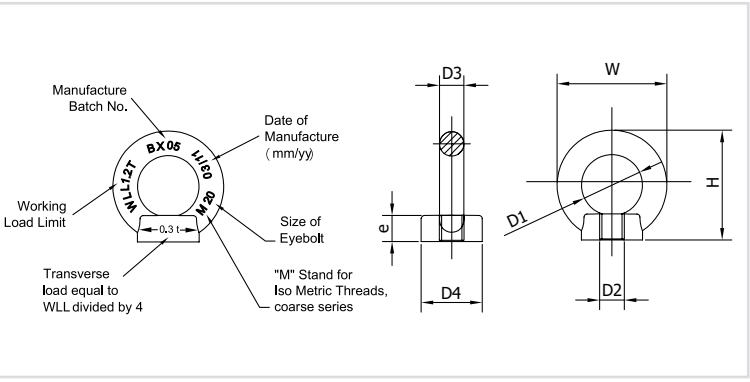
STANDARDS
Complies to AS2317

UOM: EACH

CODE	SIZE (in)	FINISH	W (mm)	H1 (mm)	H2 (mm)	D1 (mm)	D2 (mm)	D3 (mm)	D4 (mm)	WLL (t)	TRANSVERSE LOAD (t)	PACK QTY	WEIGHT / 100 (kg)
359108	8	Zinc Dichromate	36	13	36	20	8	8	20	0.14	0.03	300	6
359110	10	Zinc Dichromate	45	17	45	25	10	10	25	0.23	0.06	200	11
359112	12	Zinc Dichromate	54	20.5	52	30	12	12	30	0.34	0.08	150	18
359116	16	Zinc Dichromate	63	27	61	35	16	14	35	0.7	0.17	80	28
359120	20	Zinc Dichromate	72	30	70	40	20	16	40	1.2	0.3	60	45
359122	22	Zinc Dichromate	81	35	80	45	22	18	45	1.5	0.37	40	67
359124	24	Zinc Dichromate	90	36	90	50	24	20	50	1.8	0.45	25	87
359130	30	Zinc Dichromate	108	45	110	60	30	24	65	3.6	0.9	15	166
359136	36	Zinc Dichromate	126	54	130	70	36	28	75	5.1	1.3	4	265







LIFTING METRIC SHOULDERED EYE NUTS TO DIN582

FEATURES AND BENEFITS

- Suitable for lifting
- Zinc Dichromate finish prevents anti-corrosion

UOM: EACH

CODE	SIZE (mm)	FINISH	W (mm)	H1 (mm)	D1 (mm)	D2 (mm)	D3 (mm)	D4 (mm)	E (mm)	WLL (t)	TRANSVERSE LOAD (t)	PACK QTY	WEIGHT / 100 (kg)
359208	8	Zinc Dichromate	36	36	20	8	8	20	8.5	0.14	0.03	500	5
359210	10	Zinc Dichromate	45	45	25	10	10	25	10	0.23	0.06	200	9
359212	12	Zinc Dichromate	54	52	30	12	12	30	11	0.34	0.07	120	16
359216	16	Zinc Dichromate	63	61	35	16	14	35	13	0.7	0.17	100	24
359220	20	Zinc Dichromate	72	70	40	20	16	40	16	1.2	0.3	50	36
359222	22	Zinc Dichromate	81	80	45	22	18	45	19.4	1.5	0.37	40	58
359224	24	Zinc Dichromate	90	90	50	24	20	50	20	1.8	0.45	35	72



CHAIN SPLIT LINKS

ELECTRO AND HOT DIPPED GALVANISED

UOM: EACH

CODE	SIZE (mm)	FINISH	PACK QTY	WEIGHT /100 (kg)
420103	3.5	Electro Galvanised	2000	0.41
420105	5	Electro Galvanised	1500	1.72
420106	6	Electro Galvanised	800	3
420108	8	Electro Galvanised	400	6.9
420110	10	Electro Galvanised	200	12
420113	13	Electro Galvanised	100	23
HOT DIPPED				
420303	3.5	Hot Dipped Galvanised	5000	0.41
420305	5	Hot Dipped Galvanised	1500	1.72
420306	6	Hot Dipped Galvanised	1000	3
420308	8	Hot Dipped Galvanised	750	6.9
420310	10	Hot Dipped Galvanised	200	12
420313	13	Hot Dipped Galvanised	120	23

NOTE:- NOT SUITABLE FOR LIFTING



SNAP HOOKS

UOM: EACH

CODE	SIZE (mm)	FINISH	PACK QTY	WEIGHT /100 (kg)
425204	4	Electro Galvanised	2500	1.4
425205	5	Electro Galvanised	1200	1.6
425206	6	Electro Galvanised	700	2.7
425207	7	Electro Galvanised	450	4.4
425208	8	Electro Galvanised	300	6.5
425210	10	Electro Galvanised	150	12.7

NOTE:- NOT SUITABLE FOR LIFTING



QUICK LINKS

UOM: EACH

CODE	SIZE (mm)	FINISH	PACK QTY	WEIGHT /100 (kg)
420603	3.5	Electro Galvanised	2000	0.908
420605	5	Electro Galvanised	1000	2.27
420606	6	Electro Galvanised	800	3.632
420608	8	Electro Galvanised	300	8.172

NOTE:- NOT SUITABLE FOR LIFTING



COMMERCIAL CHAIN SWIVELS

BOW AND BOW TYPE

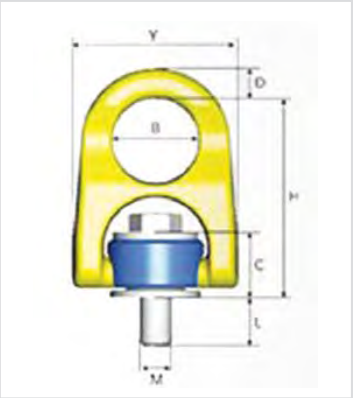
UOM: EACH

CODE	SIZE (mm)	FINISH	PACK QTY	WEIGHT /100 (kg)
335306	6	Galvanised	250	6.0
335308	8	Galvanised	150	13.5
335310	10	Galvanised	70	25.0
335313	13	Galvanised	35	56.0
335316	16	Galvanised	25	120.0
335320	20	Galvanised	12	180.0
335323	23	Galvanised	10	250.0
335325	25	Galvanised	5	410.0

NOTE:- NOT SUITABLE FOR LIFTING



GUNNEBO Industries



GRADE 100 ERLP ROTATING LIFTING & LASHING POINT

FEATURES AND BENEFITS

- Ideal for lifting or load lashing when a permanent or semi-permanent point is required
- Able to rotate 360 degrees and articulate 180 degrees
- Slim line design fits in confined spaces
- Easy to fit with the hexagonal screw and features a dismountable open D-ring

APPLICATIONS

Suitable for the mining, heavy construction, road or rail transport or maritime industries.

UOM: EACH

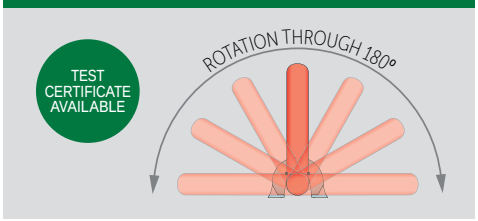
CODE	L (mm)	M (mm)	B (mm)	D (mm)	C (mm)	H (mm)	Y (mm)	WEIGHT (kg)
ERLP-M8-10	15	M8	Ø27	10	20	63	52	0.257
ERLP-M10-10	20	M10	Ø27	10	20	63	52	0.268
ERLP-M12-10	19	M12	Ø38	15	31	91.8	73	0.772
ERLP-M16-10	24	M16	Ø38	15	31	91.8	73	0.8



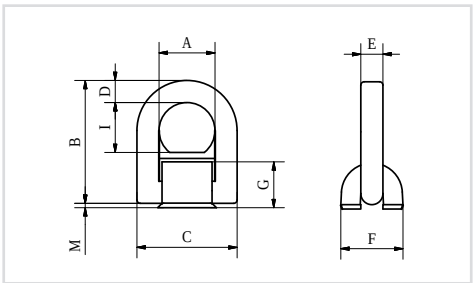
BEAVER®



GRADE 100 WELD-ON LIFTING & LASHING RINGS



GRADE 100 WELD-ON LIFTING POINTS 1.5t - 16t



FEATURES AND BENEFITS

- Grade 100 quality alloy steel, quenched and tempered
- Offers a full working load limit at all angles
- Extremely high strength attachment
- Lifting ring and welding block are both marked for accurate traceability
- Easily welded into required position with the aid of height lugs on the weld block
- Lifting ring has durable powder coated baked enamel finish

STANDARDS

Complies to AS3776

UOM: EACH

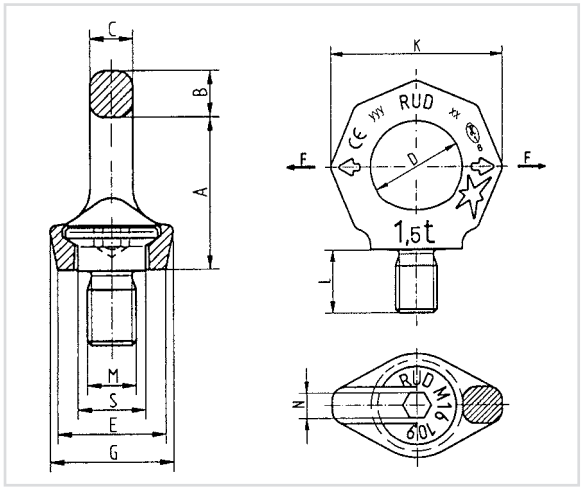
CODE	WLL TONNES (kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	I (mm)	M (mm)	WELD MM HV+AL	WEIGHT (kg)
BALPV015	1500	38	79	66	14	13.5	32	25	31	2	HV5+3	0.40
BALPV025	2500	45	92.5	77	16	13.5	36	27	38	3.5	HV7+3	0.60
BALPV040	4000	51	102	87	18	16.5	42	32	40.5	2	HV8+3	0.90
BALPV067	6700	67	138	115	24	22.5	61	44	55	4	HV12+4	2.0
BALPV100	10000	67.5	142	129	26.5	57.5	75	53	57.5	4	HV16+4	3.0
BALPV160	16000	100	216.4	190	40	26	95	69	85	5	HV25+6	6.9

RUD

CE

-40°C





VRS-F STARPOINT METRIC COARSE THREAD

FEATURES AND BENEFITS

- Eye Bolt with locking component
- 360° rotation
- Stamped with F2 WLL
- Can be used for both axial and angular loading
- Unique key design for easy fitting
- Also available in UNC thread sizes

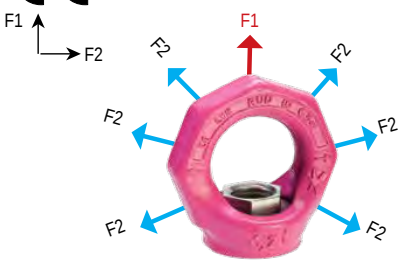
UOM: EACH

CODE	TYPE	F1 (t)	F2* (t)	WEIGHT (kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	G (mm)	K (mm)	L (mm)	M (mm)	N (mm)	S (mm)
7900906	VRS-M6	0.5	0.1	0.06	27	9	7	20	23	28	37	9	6	6	13
8500911	VRS-M8	1.0	0.3	0.1	34	11	8.5	25	25	32	47	12	8	6	16
7104029	VRS-M10	1.0	0.4	0.1	34	11	8.5	25	25	32	47	15	10	6	16
7101313	VRS-M12	2.0	0.75	0.2	42	13	10	30	30	34	56	18	12	8	20
7101314	VRS-M16	4.0	1.5	0.3	49	15	14	35	35	40	65	24	16	10	23.5
7101315	VRS-M20	6.0	2.3	0.5	57	17	16	40	42	50	75	30	20	12	29
71 01316	VRS-M24	8.0	3.2	0.9	70	21	19	48	50	60	90	36	24	14	35
7101317	VRS-M30	12.0	4.5	1.7	86	26	24	60	60	75	112	45	30	17	44
7984201	VRS-M36	16.0	7.0	2.9	103	32	29	72	75	90	135	54	36	22	53
7984202	VRS-M42	24.0	9.0	4.6	120	38	34	82	85	105	158	63	42	24	61.5
7984203	VRS-M48	32.0	12.0	7.0	137	43	38	94	100	120	180	72	48	27	70.5

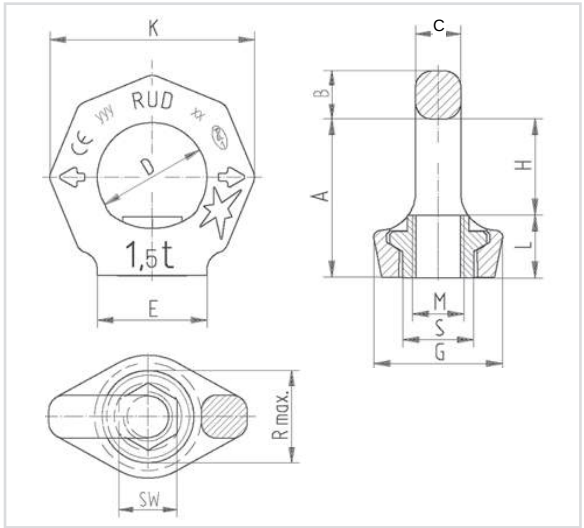
*Stamped with F2 WLL

RUD

CE







STARPOINT EYE NUTS - VRM

FEATURES AND BENEFITS

- Can be used for both axial and angular loading
- Metric (coarse) threads
- Rated for use in both single and multi-part lifts
- 360° rotation

UOM: EACH

CODE	TYPE	F1 (t)	F2 (t)	WEIGHT (kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	G (mm)	H (mm)	K (mm)	L (mm)	M (mm)	Rmax (mm)	S (mm)	SW (mm)
7900786	VRM M6	0.5	0.1	0.06	28	9	7	20	23	28	16	37	11	6	16	13	9
7992989	VRM M8	1.0	0.3	0.1	34	11	8.5	25	25	28	20	47	14	8	20	16	12
7990311	VRM M10	1.0	0.4	0.1	34	11	8.5	25	25	28	20	47	14	10	20	16	12
7990312	VRM M12	2.0	0.75	0.2	42	13	10	30	30	34	25	56	17	12	24	20	14
7990314	VRM M16	4.0	1.5	0.3	51	15	14	35	35.5	40	30	65	21	16	30	22	19
7990315	VRM M20	6.0	2.3	0.5	57	17	16	40	40	50	34	75	23	20	37	29	24
7990316	VRM M24	8.0	3.2	0.9	69	21	19	48	50	60	40	90	29	24	45	35	30
7993008	VRM M30	12.0	4.5	1.5	86	26	24	60	60	75	52	112	34	30	56	44	36

*Stamped with F2 WLL

RUD®

FULL WLL IN ALL DIRECTIONS

VLBG PLUS METRIC COARSE THREAD

FEATURES AND BENEFITS

STANDARD BOLT

- Up to 45% higher WLL capacity
- 360° rotation
- ICE® Bolt made out of patented material
- Grade 120 for higher wear resistance
- Quick and easy installation
- Complies with EN 1677-1 and AS 3776:2015

LONG BOLT

- RUD Crack tested ICE/Class 10.9
- Can be cut to suit specific applications
- DIN crack tested collared nut

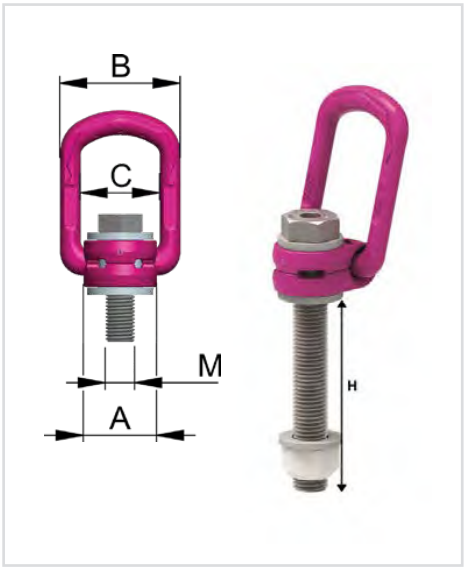


STANDARD



LONG BOLT

AVAILABLE WITH DIN COLLARED NUT



UOM: EACH

CODE	TYPE	WLL (t)	GRADE	B	A	C (mm)	M (mm)	STANDARD H (mm)	LONG H (mm)
8504651	M8	0.63	ICE	54	30	34	8	11	76
8504652	M10	0.9	ICE	54	30	34	10	15	96
8504653	M12	1.35	ICE	54	32	34	12	18	116
8504655	M16	2	ICE	56	33	36	16	22	149
8504657	M20	3.5	ICE	82	50	54	20	32	187
8504659	M24	4.5	ICE	82	50	54	24	37	222
8504661	M30	6.7	10.9	103	60	65	30	49	279
7983553	M36	8	10.9	122	77	82	36	63	223
7983554	M42	10	10.9	122	77	82	42	73	273
7982966	M42	15	10.9	156	95	100	42	63	263
7982967	M48	20	10.9	156	95	100	48	73	303



RUD

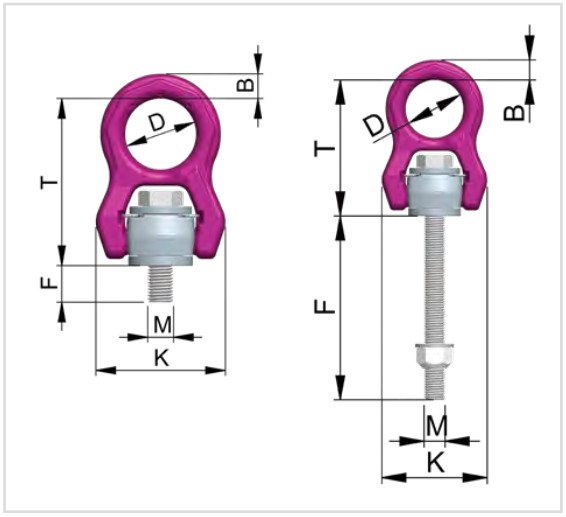


STANDARD



LONG BOLT

AVAILABLE WITH DIN COLLARED NUT



ACP-TURNADO METRIC COARSE THREAD

FEATURES AND BENEFITS

- Unique Spring Mechanism
- Higher WLL M12-M30
- RUD ICE Bolt
- Wear Indicators

UOM: EACH

CODE	REFERENCE NUMBER	WLL (t)	GRADE	B (mm)	D (mm)	K (mm)	M (mm)	T (mm)	STANDARD F (mm)	LONG F (mm) MAX
7909314	ACP M12	1.35	ICE	11	38	58	12	83	19	117
7909316	ACP M16	2.5	ICE	14	50	76	16	107	22	149
7909317	ACP M20	4.0	ICE	17	50	89	20	118	26.5	186.5
7909318	ACP M24	6.3	ICE	23	66	120.5	24	154	34	210
7909319	ACP M30	8.0	ICE	29	75	148	30	183	41.5	271.5

*Also available in UNC

RUD

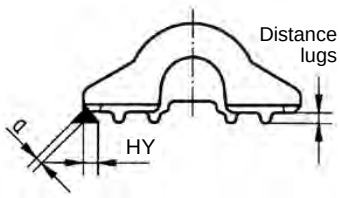
CE

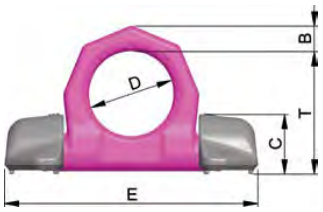
BG-Prüfzert

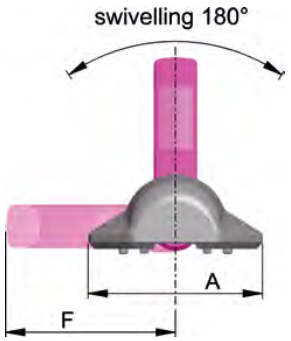
MO 075104



Weld arrangement







WELD ON VRBS LOAD RING

FEATURES AND BENEFITS

- Distribution of the load force due to the two point fixing, hence an optimised force introduction to the work piece
- Forged, alloy steel
- Lays flat when not in use
- High dynamic and static strength
- Patented distance lugs assist in achieving the correct root weld (approx. 3 mm)

UOM: EACH

CODE	TYPE	WLL (t)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	T (mm)	WELD HY+a	WEIGHT (kg)
7992488	VRBS 4	4	62	14	28	48	135	71	65	HY 4 + 3	0.8
7992489	VRBS 6.7	6.7	88	20	39	60	170	92	84	HY 5.5 + 3	2.1
7992490	VRBS 10	10	100	22	46	65	195	100	95	HY 6 + 4	2.8
7992491	VRBS 16	16	130	30	57	90	263	134	127	HY 8.5 + 4	6.6
60267	VRBS 31.5	31.5	160	42	79	130	375	195	178	HY 18 + a 4	19
7906272	VRBS 50	50	240	70	120	230	620	340	313	HY 25 + a 8	85

RUD







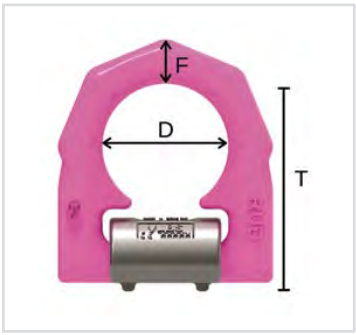
VLBS LOAD RING - WITH SPRING

FEATURES AND BENEFITS

- Full WLL in all directions
- Load Ring, with captive position holding spring
- Ready for welding

UOM: EACH

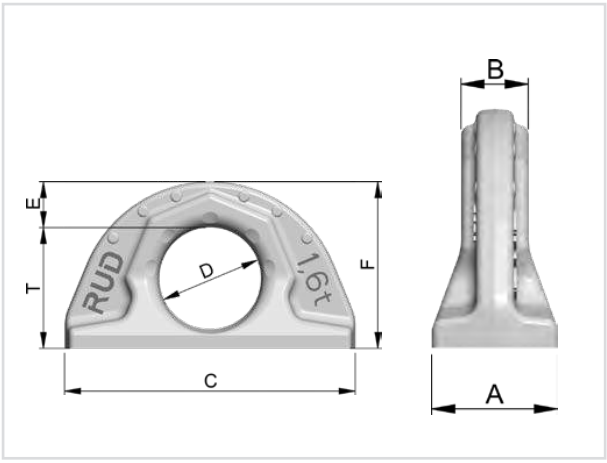
CODE	WLL (t)	D (mm)	T (mm)	F (mm)	REFERENCE NUMBER
7993035	1.5	38	65	14	VLBS-U 1.5
7994830	2.5	45	75	16	VLBS-U 2.5
7993036	4	51	83	18	VLBS-U 4
7993037	6.7	67	117	24	VLBS-U 6.7
7993040	10	67	126	27	VLBS-U 10
7906640	16	100	174	40	VLBS-U 16



RUD







ABA LIFTING POINT FOR WELDING

FEATURES AND BENEFITS

- Full WLL in all directions
- Patented markings for easy determination for withdraw of service
- Manufactured from CrNiMo steel

UOM: EACH

CODE	TYPE	WLL (t)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	T (mm)
7907698	0.8t Lifting Lug	0.8	22	12	70	32	12	50	38
7900352	1.6t Lifting Lug	1.6	30	16	100	35	16	57	41.5
7900353	3.2t Lifting Lug	3.2	41	23	137	50	21	80	59
7900354	5t Lifting Lug	5	51	27	172	60	28	99	71.5
7900355	10t Lifting Lug	10	70	38	228	80	35	130	95
7902174	20t Lifting Lug	20	90	52	272	115	40	175	135
7902175	31.5t Lifting Lug	31.5	108	64	320	130	50	204	154


SCHEUERLE


FRONTIER
iguana
EN 388:2003
4543
SIZE: L



GENERAL PURPOSE CHAIN

4

PROOF COIL CHAIN	400
HARDWARE CHAIN	401
STAINLESS STEEL CHAIN	402
GRADE 'L' CHAIN	403
TRAILER & TRANSPORT CHAIN	404

WHETHER IT'S FOR TRANSPORT USE, MARINE APPLICATIONS OR SECURITY PURPOSES, WE HAVE THE RIGHT CHAIN TO SUIT YOUR NEEDS

All general purpose chain is sourced from the finest mills throughout the world to ensure consistency and quality.

GENERAL PURPOSE CHAIN

OUR IN DEPTH RANGE OF BEAVER TESTED AND COMMERCIAL CHAIN SUITS A VARIETY OF APPLICATIONS INCLUDING TRANSPORT, MARINE OR SECURITY USE.

Beaver's consistency in providing a quality product to the Australian market has been tried and tested over many years and we only source chain from the finest mills throughout the world.

PLEASE NOTE: Our general purpose chain featured in this section is not suitable for lifting. Should approved lifting chain and components be required for your application, please refer to our Lifting Chain and Components section of this catalogue - for Grade 80, 100 or 120 chain and components.

REGULAR & LONG LINK PROOF COIL CHAIN

Proof coil chain is a non-rated chain, manufactured from low carbon steel, for general purpose use only. It is not suitable for lifting.

"Proof coil" relates to the number of consistent links in any one length. Link dimensions include regular and long link (long link is ideal if you require more room for attachments).

OUR BEAVER PROOF COIL CHAIN IS ALSO AVAILABLE IN THE FOLLOWING OPTIONS:

- Hot dipped galvanised for a longer lifespan
- Electro galvanised for a smooth finish
- Self-colour for non-harsh environments

HARDWARE CHAIN

Hardware chain is untested and of commercial quality. It should not be used for suspension, lifting applications, or other purposes subject to control by statutory authorities/requirements.

Beaver Hardware Chain is available in both self colour, or a galvanised version which is more resistant to weathering.

GENERAL PURPOSE STAINLESS STEEL CHAIN

Typically, stainless steel chain is manufactured from Grade 304 and Grade 316 Stainless, which is highly resistant to corrosion in acid and alkaline environments. It is therefore suited to marine applications.

The key difference between Grade 304 and Grade 316 chain is the addition of molybdenum in G316. Molybdenum is an alloy which drastically enhances corrosion resistance, especially for more saline or chloride-exposed environments.

Our Beaver General Purpose Stainless Steel Chain is not suitable for any lifting or towing applications. For Stainless Steel Lifting Chain please refer to our Lifting Chain & Components section of this catalogue.

GRADE 'L' CHAIN

Manufactured from Grade 30 low carbon steel, Grade L Chain is commonly used for moorings, anchor chain and other marine applications.

Our Beaver Grade 'L' Chain complies with the requirements of Australian Standard AS2321 Short Link Chain for Lifting Purposes, however we recommend that it not be used for heavy lifting purposes.

TRAILER & TRANSPORT CHAIN

TRAILER SAFETY CHAIN

Is designed in accordance with Australian and New Zealand Standard AS/NZS4177.4.

The chain should be attached between the towing vehicle and the trailer to retain connection in the event of a coupling failure.

Regulations state that light trailers must have safety chains to link the trailer to the tow vehicle and must be strong enough to hold it in the case of an accidental disconnection.

Trailer safety chain must also have sufficient length to allow the normal articulation of the trailer but be short enough to prevent the draw bar hitting the ground.

Note:- Please check your State Road Safety Regulations for required chain markings and number of safety chains required for loads.



TRANSPORT CHAIN

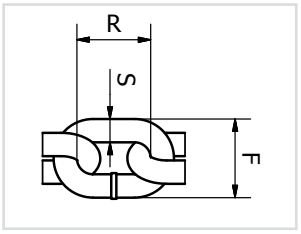
Is manufactured from heat treated carbon steel, in accordance with Australian and New Zealand Standard AS/NZS 4344 - Transport Chain and Components. Transport Chain is primarily used in lashing applications to tie down loads on transport equipment.

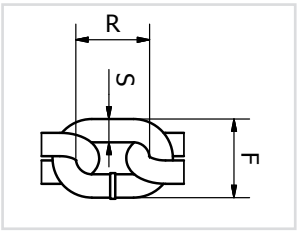
OUR BEAVER GRADE 70 TRANSPORT CHAIN FEATURES THE FOLLOWING:

- Yellow chromate (gold) plating makes it easily recognisable - even from a distance
- The mark 4344 plus the chain capacity, stamped at intervals along its entire length, for added safety



PROOF COIL CHAIN











REGULAR LINK PROOF COIL CHAIN

FEATURES AND BENEFITS

- General purpose chain
- Manufactured from low carbon steel
- Suitable for various non lifting applications

UOM: /METRE

CODE	NOMINAL SIZE (mm)	S (mm)	R (mm)	F (mm)	FINISH	METRES /100kg
SELF COLOUR						
100103	3	3.2	16	12	Self Colour	511
100104	4	4	18.5	14.5	Self Colour	320
100105	5	4.7	19	17	Self Colour	203
100106	6	6.35	22	21	Self Colour	129
100108	8	7.94	26.5	27.2	Self Colour	77.8
100110	10	9.5	30	32	Self Colour	48.5
100113	13	12.7	39	43	Self Colour	29.7
100116	16	15.8	45	53	Self Colour	20.2
100120	20	19	55	63	Self Colour	12.3
100124	24	25.4	73	84	Self Colour	8.5
GALVANISED						
100303	3	3.2	16	12	Galvanised	498
100304	4	4	18.5	14.5	Galvanised	305
100305	5	4.7	19	17	Galvanised	193
100306	6	6.35	22	21	Galvanised	120
100308	8	7.94	26.5	27.2	Galvanised	74.1
100310	10	9.5	30	32	Galvanised	47.1
100313	13	12.7	39	43	Galvanised	27.7
100316	16	15.8	45	53	Galvanised	18.2
100320	20	19	55	63	Galvanised	11.6
100324	24	25.4	73	84	Galvanised	8.04

NOT TO BE USED FOR LIFTING

LONG LINK PROOF COIL CHAIN

FEATURES AND BENEFITS

- General purpose chain
- Manufactured from low carbon steel
- Suitable for various non lifting applications

UOM: /METRE

CODE	NOMINAL SIZE (mm)	S (mm)	R (mm)	F (mm)	FINISH	METRES /100kg
SELF COLOUR						
130104	4	4	25.4	18.6	Self Colour	335
130105	5	5	29.3	21.8	Self Colour	217
130106	6	6.3	34.5	26.1	Self Colour	135
130108	8	8	41.2	31.9	Self Colour	82.2
130110	10	10	49	38	Self Colour	52.9
HOT DIPPED GALVANISED						
130304	4	4	25.4	18.6	Galvanised	318
130305	5	5	29.3	21.8	Galvanised	206
130306	6	6.3	34.5	26.1	Galvanised	128
130308	8	8	41.2	31.9	Galvanised	78.1
130310	10	10	49	38	Galvanised	50.2

NOT TO BE USED FOR LIFTING





REGULAR LINK HARDWARE CHAIN 50kg

PRE-PACKED 50kg HANDY HARDWARE DISPLAY PAIL

FEATURES AND BENEFITS

- General purpose chain
- Manufactured from low carbon steel
- Suitable for various non lifting applications

UOM: PAIL

CODE	SIZE (mm)	FINISH	METRES /50kg
SELF COLOUR			
100103PP	3	Self Colour	256
100104PP	4	Self Colour	173
100105PP	5	Self Colour	102
100106PP	6	Self Colour	64.5
100108PP	8	Self Colour	39
100110PP	10	Self Colour	25
100113PP	13	Self Colour	14.85
ELECTRO GALVANISED			
100203PP	3	Electro Galvanised	250
GALVANISED			
100303PP	3	Galvanised	250
100304PP	4	Galvanised	175
100305PP	5	Galvanised	120
100306PP	6	Galvanised	64.5
100308PP	8	Galvanised	39
100310PP	10	Galvanised	25
100313PP	13	Galvanised	14.7

NOT TO BE USED FOR LIFTING

REGULAR LINK HARDWARE CHAIN 25kg

PRE-PACKED 25kg HANDY HARDWARE DISPLAY PAIL

FEATURES AND BENEFITS

- General purpose chain
- Manufactured from low carbon steel
- Suitable for various non lifting applications

UOM: PAIL

CODE	SIZE (mm)	FINISH	METRES /25kg
SELF COLOUR			
100103P	3	Self Colour	147
100104P	4	Self Colour	87
100105P	5	Self Colour	61
100106P	6	Self Colour	35
100108P	8	Self Colour	22
GALVANISED			
100303P	3	Galvanised	133
100304P	4	Galvanised	80
100305P	5	Galvanised	57
100308P	8	Galvanised	21

NOT TO BE USED FOR LIFTING

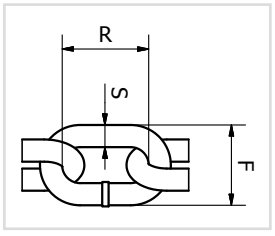


STAINLESS STEEL CHAIN

MANUFACTURED IN 304 AND 316 GRADE
Not suitable for any lifting or towing applications







GRADE 304 REGULAR LINK STAINLESS STEEL CHAIN

FEATURES AND BENEFITS

- Manufactured from 304 grade stainless
- Highly resistant to corrosion
- Suitable for marine applications

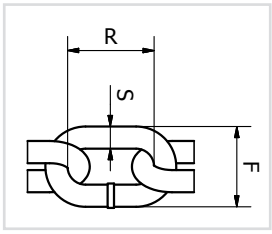
UOM: /METRE

CODE	NOMINAL SIZE (mm)	S (mm)	R (mm)	F (mm)	FINISH	METRES /100kg
147104	4	4	18.6	16	Stainless Steel	384.6
147106	6	6	26	23.5	Stainless Steel	137.3
147108	8	8	32.2	29.5	Stainless Steel	80
147110	10	10	39	36.2	Stainless Steel	49.6

Metres per drum are subject to + or - 10% on actual metreage

NOT TO BE USED FOR LIFTING





GRADE 316 REGULAR LINK STAINLESS STEEL CHAIN

FEATURES AND BENEFITS

- Manufactured from 316 grade stainless
- Highly resistant to corrosion
- Suitable for marine applications

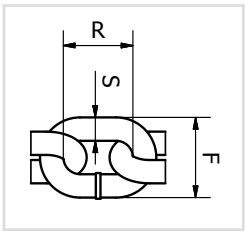
UOM: /METRE

CODE	NOMINAL SIZE (mm)	S (mm)	R (mm)	F (mm)	FINISH	METRES /100kg
146102	2	2	14.8	8.25	Stainless Steel	1666.6
146104	4	4	18.6	16	Stainless Steel	384.6
146106	6	6	26	23.5	Stainless Steel	137.3
146108	8	8	32.2	29.5	Stainless Steel	80
146110	10	10	39	36.2	Stainless Steel	49.6
146113	13	13	49.1	46.1	Stainless Steel	28.7

Metres per drum are subject to + or - 10% on actual metreage

NOT TO BE USED FOR LIFTING





GRADE 316 SHORT LINK STAINLESS STEEL CHAIN

FEATURES AND BENEFITS

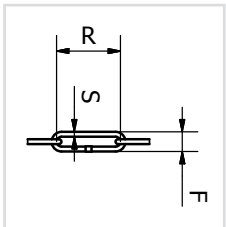
- Manufactured from 316 grade stainless
- Highly resistant to corrosion
- Suitable for marine applications

UOM: /METRE

CODE	NOMINAL SIZE (mm)	S (mm)	R (mm)	F (mm)	FINISH	METRES /100kg
146206	6	6	30.5	19.2	Stainless Steel	133.3
146208	8	8	40	25.6	Stainless Steel	74.8

NOT TO BE USED FOR LIFTING





GRADE 316 LONG LINK STAINLESS STEEL CHAIN

FEATURES AND BENEFITS

- Manufactured from 316 grade stainless
- Highly resistant to corrosion
- Suitable for marine applications

UOM: /METRE

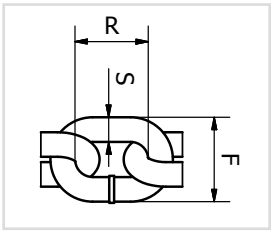
CODE	NOMINAL SIZE (mm)	S (mm)	R (mm)	F (mm)	FINISH	METRES /100kg
146102L	2	2	26	8	Stainless Steel	1639

NOT TO BE USED FOR LIFTING

MANUFACTURED TO AS2321
Links marked with 'L'









GRADE 'L' CHAIN SELF COLOUR

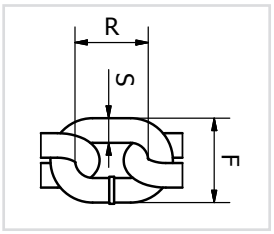
FEATURES AND BENEFITS

- Manufactured from grade 30 low carbon steel
- Suitable for anchor chain & marine applications

STANDARDS
Complies to AS2321

UOM: /METRE

CODE	WLL (t)	NOMINAL SIZE (mm)	S (mm)	R (mm)	F (mm)	FINISH	METRES /100kg
143106	0.40	6	6.3	18.8	21.6	Self Colour	116.3
143108	0.64	8	8	23.8	27	Self Colour	71
143110	1.00	10	10	29.8	34.3	Self Colour	45
NOT RECOMMENDED FOR LIFTING							





GRADE 'L' CHAIN HOT DIPPED GALVANISED

FEATURES AND BENEFITS

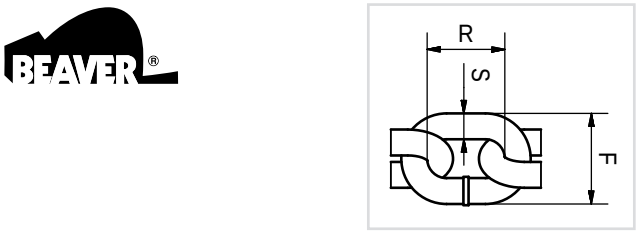
- Manufactured from grade 30 low carbon steel
- Suitable for anchor chain & marine applications

STANDARDS
Complies to AS2321

UOM: /METRE

CODE	WLL (t)	NOMINAL SIZE (mm)	S (mm)	R (mm)	F (mm)	FINISH	METRES /100kg
143306	0.40	6	6.3	18.8	21.6	Galvanised	110
143308	0.64	8	8	23.8	27	Galvanised	69.9
143310	1.00	10	10	29.8	34.3	Galvanised	43.9
143313	1.70	13	13	38.8	44.6	Galvanised	26.3
143316	2.58	16	16	47.8	54.8	Galvanised	17.5
143320	4.03	20	20	59.2	68.5	Galvanised	11.1
NOT RECOMMENDED FOR LIFTING							

TRAILER & TRANSPORT CHAIN







TRAILER SAFETY CHAIN

FEATURES AND BENEFITS

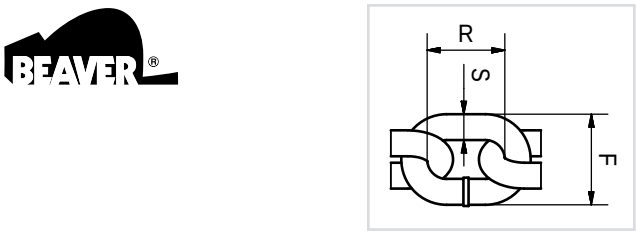
- Available in hot dipped galvanized and self colour finishes
- For trailers up to 3500kg ATM

STANDARDS
Complies to AS/NZS4177.4

UOM: /METRE

CODE	WLL (t)	NOMINAL SIZE (mm)	S (mm)	R (mm)	F (mm)	FINISH	METRES /100kg
SELF COLOUR							
142008	1.60	8	7.6	43.5	31	Self Colour	93.4
142010	2.50	10	9.5	53.1	39	Self Colour	61.2
142013	3.50	13	12	51.7	44.5	Self Colour	65.5
GALVANISED							
142008G	1.60	8	7.6	43.5	31	Galvanised	91.1
142010G	2.50	10	9.5	53.1	39	Galvanised	59.7
142013G	3.50	13	12	51.7	44.5	Galvanised	34.6

NOT RECOMMENDED FOR LIFTING







GRADE 70 GOLD TRANSPORT CHAIN

FEATURES AND BENEFITS

- The yellow chromate (gold) plating makes it easily recognisable even from a distance
- Transport chain also carries the mark 4344 plus the chain capacity, stamped at intervals along its entire length
- High tensile strength
- Not to be used for lifting

STANDARDS
Complies to AS/NZS4344

UOM: /METRE

CODE	LASHING CAP. (t)	NOMINAL SIZE (mm)	S (mm)	R (mm)	F (mm)	FINISH	METRES /100kg
145006	2.30	6	6	18.5	20	Zinc Dichromate	125
145008	3.80	8	8	24	28	Zinc Dichromate	70
145010	6.00	10	10	30	35	Zinc Dichromate	45
145013	9.00	13	13	39	45.5	Zinc Dichromate	26.8

NOT RECOMMENDED FOR LIFTING


BEAVER
TRANSPORT GRADE 70
CHAIN KIT
3900KG LASHING CAPACITY
Code: 145128





WIRE ROPE & FITTINGS

4

WIRE ROPE	416-430
WIRE ROPE SLINGS	432-437
WIRE ROPE GRIPS	438
WIRE ROPE THIMBLES/FERRULES	439-442
WIRE ROPE SOCKETS	443
HEAVY DUTY SNATCH BLOCKS	444
WIRE ROPE HOISTS	445
WIRE ROPE PRODUCTS	446-447

AT BUNZL SAFETY & LIFTING WE HAVE A WIDE RANGE OF WIRE ROPES TO SUIT VARIOUS APPLICATIONS.

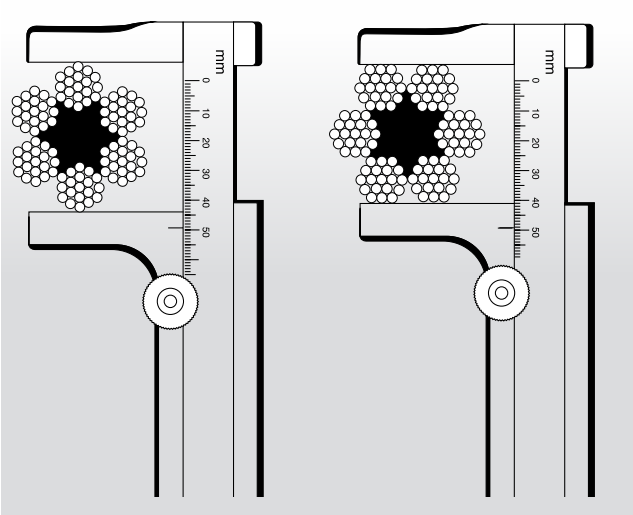
When choosing the correct wire rope for your application is most important, as you need to consider several factors to ensure optimal performance and safety, as well as extend the life of the rope.

WIRE ROPE OVERVIEW

WIRE ROPE SIZE AND MEASUREMENT

Wire ropes are described by their diameter, (mm), and are measured across the widest point, The Crown, as shown below.

CORRECT WAY	INCORRECT WAY



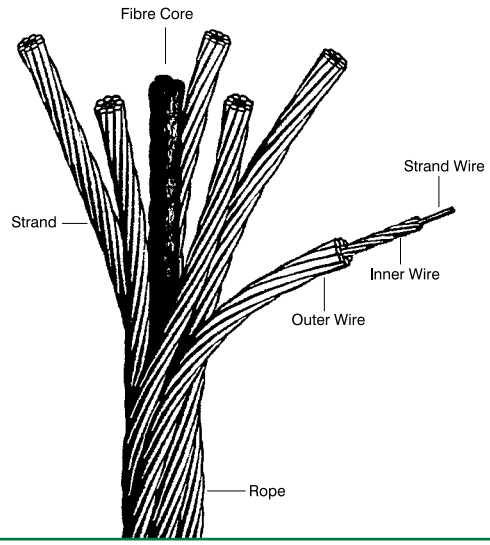


CONSTRUCTION

The size and number of wires in each strand, as well as the size and number of strands in the rope greatly affect the characteristics of the rope. In general, a large number of small-size wires and strands produce a flexible rope with good resistance to bending fatigue. The rope construction is also important for tensile load (static, live or shock) abrasive wear, crushing, corrosion and rotation.

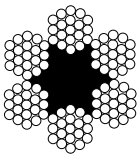
The number of strands and wires will influence the flexibility, fatigue and wear resistance of any given wire rope. Rope selection is often a compromise. Generally the more load bearing wires in the rope the greater the flexibility, however the smaller the wires the less abrasion resistance. For example, the same nominal diameter 7 x 7 wire would be less flexible than a 7 x 19 wire, hence a large number of small size wire and strands produce a flexible rope with good resistance to bending fatigue wear. The construction of wire rope is defined by the number of outer strands (first number), and the number of wires within that strand (second number) and then by the arrangement of the wires in each strand (shown in brackets). The wires in each strand can be arranged in several ways, for example a 6 x 19 construction the 19 wires in each strand are laid 9 around 9 around 1 centre wire.

ALL WIRE ROPE IS MANUFACTURED WITH THREE BASIC COMPONENTS: WIRES, STRANDS AND A CORE.



CORE

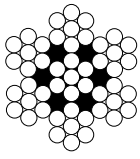
The core of a steel wire rope serves as a foundation for the strands, providing stability by keeping them in place throughout the life of the rope. Wire ropes can be supplied with either a fibre or wire core.



6 X 19
Fibre Core Wire

GRADE

Wire rope can be manufactured in different steel grades, which directly affects the Minimum Breaking Force, (MBF). The higher the grade the higher the MBF. Common wire grades include: 1570, 1770, 1960 and 2070.

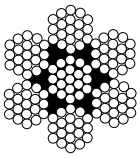


7 X 7
Wire Strand Core

FINISH

Wire Ropes can be supplied as Black (self-colour), Galvanised or Stainless Steel.

Wire rope is lubricated at the time of manufacture, to help reduce friction between wires and strands, and the friction between the rope and drum or sheave. In addition, the lubrication retards corrosion and inhibits possible rotting of the fibre core.



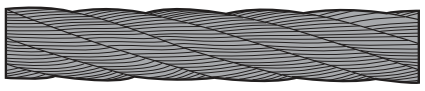
7 X 19
Wire Strand Core

CONSTRUCTION AND LAYS

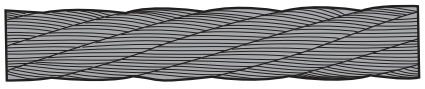
The size and number of wires in each strand, as well as the size and number of strands in the rope greatly affect the characteristics of the rope. In general, a large number of small-size wires and strands produce a flexible rope with good resistance to bending fatigue. The rope construction is also important for tensile load (static, live or shock) abrasive wear, crushing, corrosion and rotation.

The number of strands and wires will influence the flexibility, fatigue and wear resistance of any given wire rope. Rope selection is often a compromise. Generally the more load bearing wires in the rope the greater the flexibility, however the smaller the wires the less abrasion resistance. For example, the same nominal diameter 7 x 7 wire would be less flexible than a 7 x 19 wire, hence a large number of small size wire and strands produce a flexible rope with good resistance to bending fatigue wear. The construction of wire rope is defined by the number of outer strands (first number), and the number of wires within that strand (second number) and then by the arrangement of the wires in each strand (shown in brackets). The wires in each strand can be arranged in several ways, for example a 6 x 19 construction the 19 wires in each strand are laid 9 around 9 around 1 centre wire.

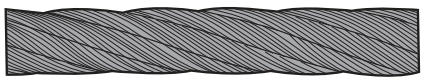
RHOL	Right Hand Ordinary Lay
LHOL	Left Hand Ordinary Lay
RHLL	Right Hand Lang's Lay
LHLL	Left Hand Lang's Lay
Pref	Preformed
Post	Postformed
WRC	Wire Rope Core
WSC	Wire Strand Core
FC	Fibre Core
FW	Filler Wire Strand Construction
D or d	Diameter (in millimetres)



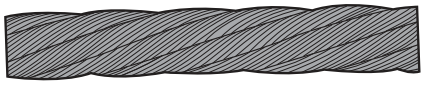
Right Hand Ordinary Lay



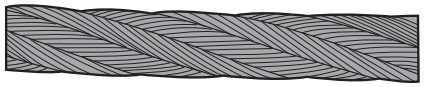
Left Hand Ordinary Lay



Right Hand Lang's Lay



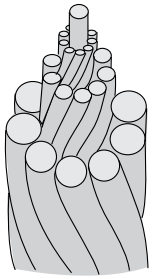
Left Hand Lang's Lay

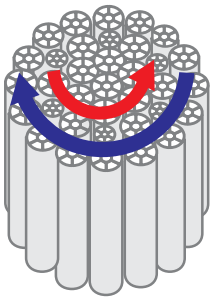


Right Hand Alternate Lay

ROTATING OR NON-ROTATING

Rotation resistant wire ropes are manufactured to resist rotation under load and are suitable for crane use and where long lengths are required.





NON-ROTATING OR ROTATION RESISTANT WIRE ROPE – SHOULD BE USED WHEN:

- Lifting an unguided load in single part
- Lifting an unguided load at great height with multi part reeving.

A REGULAR ROPE (ROTATING) WIRE ROPE SHOULD BE USED WHEN:

- Lifting a guided load on several falls at a small height (e.g. overhead crane)
- When lifting loads with right-hand and left-hand ropes in pairs.

MANUFACTURED WIRE ROPE SLINGS

Bunzl Safety & Lifting can manufacture single, two, three, four and five leg wire rope slings and provide a wide range of end terminations. All assemblies are made to Australian Standard AS1666.

CORRECT SPOOLING OF STEEL WIRE ROPE ON DRUM

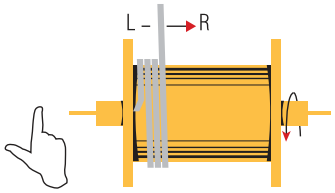
It is imperative to correctly spool wire rope onto a drum. Improper spooling induces torque within the rope, which in turn reduces the life of the rope.

In any multi-layer spooling application it is important that when the rope is first installed on the drum, it is done so under tension to avoid any slack on inner layers that can be crushed or nicked against the groove walls by outer layers.

In general, the tighter the line, the better the spooling, but the rope should be tensioned with at least 2% of the breaking load or 10% of the working load. However, provision must also be made for the safety coefficient and the design of the cable. All subsequent spooling should also take place with the line under tension.

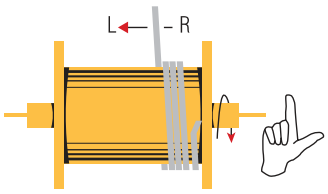
Please contact your local Bunzl Safety branch for further advice.

A



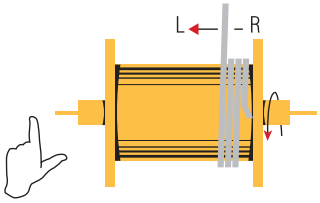
OVERWIND
Left to Right
USE RIGHT LAY ROPE

B



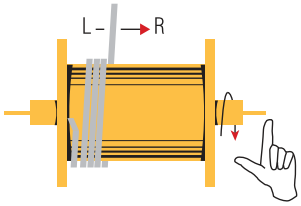
UNDERWIND
Right to Left
USE RIGHT LAY ROPE

C



OVERWIND
Right to Left
USE LEFT LAY ROPE

D



UNDERWIND
Left to Right
USE LEFT LAY ROPE

STEEL WIRE ROPE CUTTING PROCEDURE

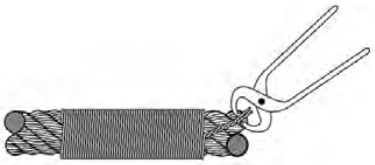
Hand cutters for cutting ropes up to 8mm in diameter are sufficient. Mechanical or hydraulic cutters will be required for wire ropes with larger diameters. Careless cutting can result in the balance of tension in the rope being destroyed. In every case, each side of the cut must be correctly seized to prevent strand disturbance. Annealed wire must always be used for non-galvanised rope. For galvanised rope use soft, zinc coated wire.



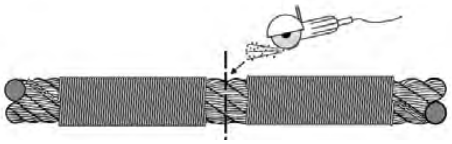
A The rope and this wire end are now wrapped, moving away from the location of the intended cut.



B The rope is tightly wrapped for a distance of approximately three rope diameters.



C Both ends of the seizing wire are then pulled tight and twisted together for a length of one rope diameter. The twisted connection is then hammered into a strand valley.

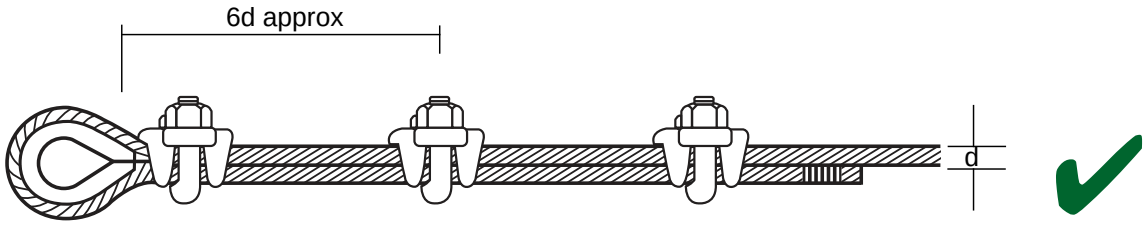


D After preparing the other side of the cut accordingly, the rope can now be cut

CLAMPING WIRE ROPE

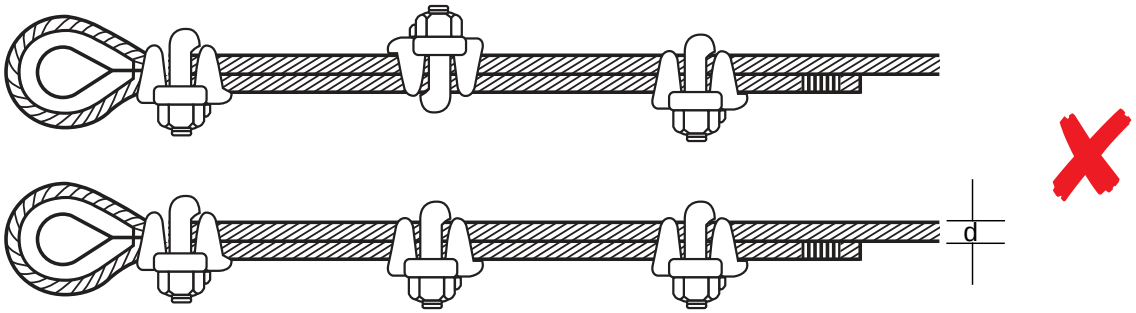
To ensure complete safety, it is imperative that wire ropes are clamped correctly. The diagrams below are a guide only. Please refer to the relevant Australian Standards AS 2076 for further information.

THE RIGHT WAY



THE WRONG WAY

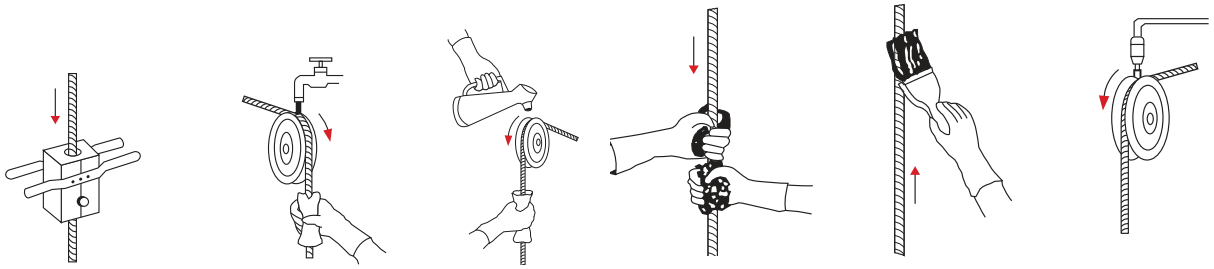
Note: d = diameter of rope



LUBRICATING STEEL WIRE ROPES

All steel wire ropes supplied by Robertsons are lubricated at the time of manufacture, however, periodic lubrication with good quality acid free and moisture free lubricant during use is required to ensure best performance.

The following are accepted ways to lubricate wire ropes during use.



Continuous bath | Dripping | Pouring | Swabbing | Painting | Spray nozzle

STORING STEEL WIRE ROPES

Ensure steel wire rope is stored in a weather-proof storage space. If wire rope is to be kept unused for a considerable amount of time, it must be protected from the elements. The ideal storage area is a dry, well-ventilated building or shed. Avoid closed, unheated, tightly sealed buildings or enclosures because condensation will form when warm, moist outside (ambient) air envelopes the colder rope. Although wire rope is protected by a lubricant, this is not totally effective since condensation can still occur within the small sections between strands and wires, thereby causing corrosion problems. Ensure the reels are kept up off the ground, or are placed on a concrete floor.

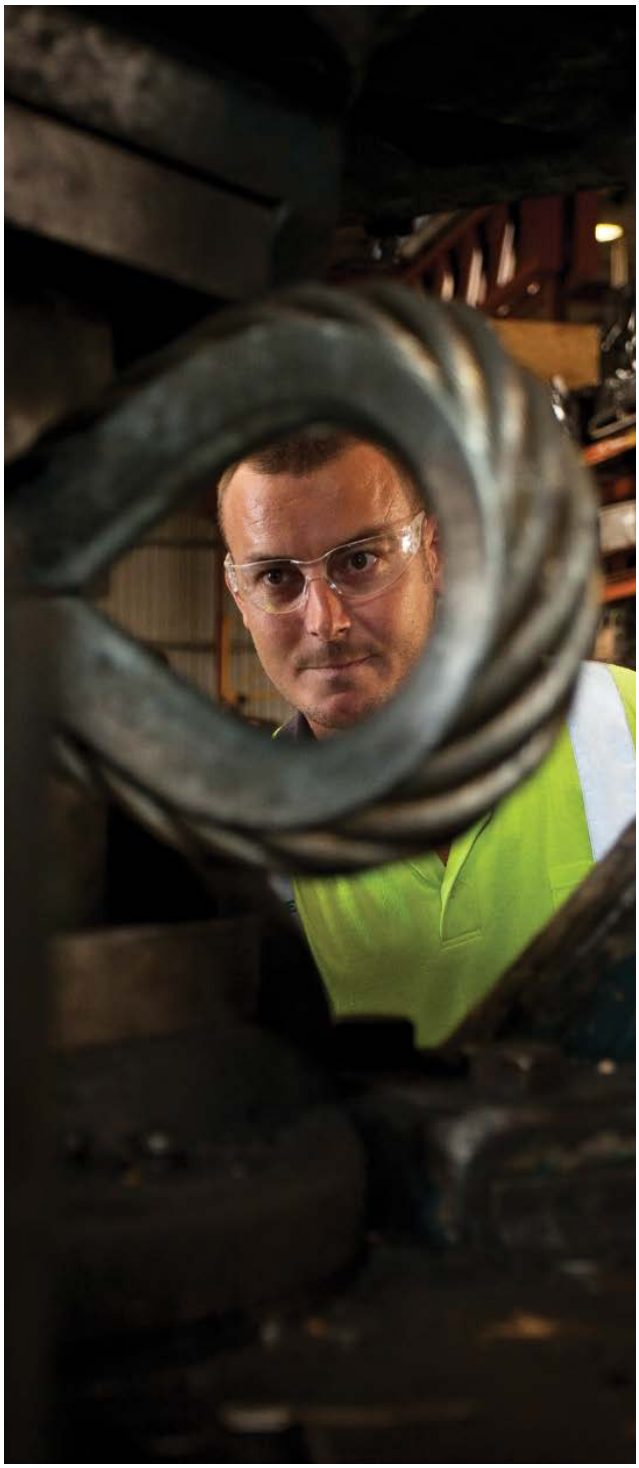
Although the steel wire rope is lubricated at the time of manufacture, a suitable lubricant should be applied every three months. The reels containing the steel wire ropes should also be rotated 90 degrees every three months.

CORRECT HANDLING OF STEEL WIRE ROPES

Incorrect handling of steel wire ropes can cause kinking or loops forming in the steel wire rope, causing permanent damage.

Below is a summary of the correct way to handle steel wire rope:

- Reels should be mounted on jacks or placed on a swift (with a brake arrangement) and care taken to see that the reel rotates as the rope unwinds
- Ensure clearance for free rotation of the reel when the rope end is pulled and maintain continuous tension during haul off
- Over-winding should be avoided at all times to eliminate kinking
- Always prevent crossing the rope laps on the wheel.



METHOD OF UNCOILING SMALL COIL



Correct ✔



Incorrect ✘

METHOD OF UNCOILING LARGE COILS



Correct ✔



Incorrect ✘



Correct ✔

TYPICAL STEEL WIRE ROPE FAILURES

Steel wire rope is tough and durable, however eventually it will reach the end of its safe service life.

Below are some examples of typical damage and deterioration. Steel wire ropes should be inspected every 12 months.

FATIGUE FAILURE



THERMAL DAMAGE



SHOCK LOADING



ABRASION



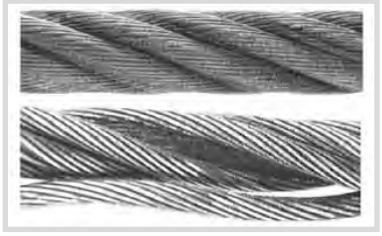
BIRDCAGE (due to torsional unbalance)



TERMINATION FAILURE

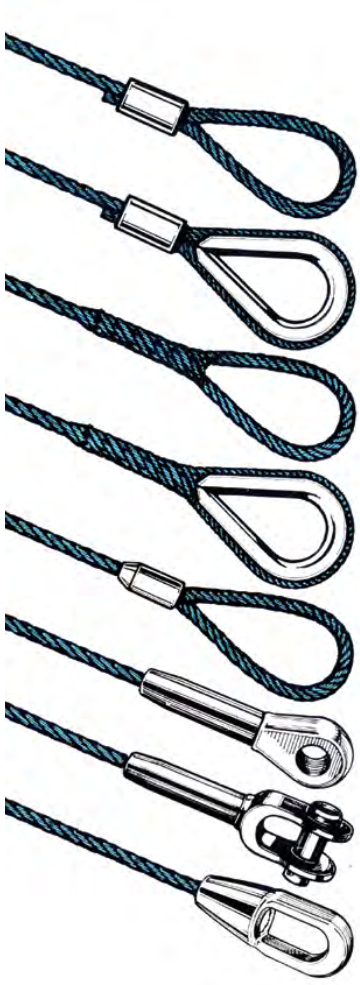


CORROSION (due to immersion in water)



WIRE ROPE TERMINATIONS

Hand spliced or machine swaged slings, with your choice of terminations, can be manufactured and tested (if required) on our premises at short notice. All slings and assemblies are permanently marked with safe working loads, based on a 5:1 factor of safety.



Soft Eye Machine Swaged

Thimble Eye Machine Swaged

Sof Eye Hand Spliced

Thimble Eye Hand Spliced

Closed Spelter Socket

Machine Swaged

Closed Swage Socket

Open Swage Socket

MACHINE SWAGING

Aluminium Ferrules Sizes 2mm – 52mm
Copper Ferrules Sizes 2mm – 10mm
Steel Ferrules Sizes 9mm – 75mm
Swage Sockets Sizes 3mm – 52mm
Hand Splicing from 2mm – 75mm dia

TYPICAL STEEL WIRE ROPE DESCRIPTION

(a)	13mm	Diameter, measured over crowns.
(b)	6/36	Construction (six strands, each with thirty six wires).
(c)	G1770	G signifies "galvanised" wires. 1770 signifies tensile grade of wires (in Megapascals).
(d)	RHOL	Right Hand Ordinary Lay (strands laid up to the RIGHT, wires in each strand to the LEFT).
(e)	WRC	Wire Rope Core (approx 7.5% stronger and 11% heavier than FC).
(f)	PREF	Strands shaped (helix formed) before laying up into a rope.
(g)	G2	Lubricant (Petroleum Jelly).
(h)	200mm	Eye size.
(i)	Machine Splice	Steel, copper or aluminium alloy ferrule pressed around the looped end of wire rope.
(j)	WLL	Maximum load that can be lifted on a particular service.
(k)	Length	In metres, measured from bearing points of eyes.





GALVANISED WIRE ROPE

6X24 FIBRE CORE GRADE 1570 RHOL DRY LUB. A2 GALVANISED WIRE ROPE

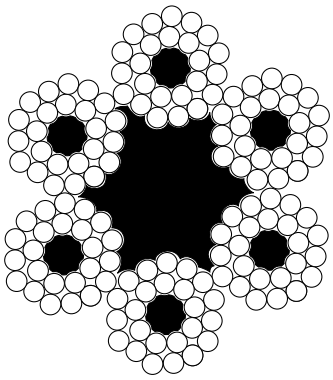
APPLICATIONS

Commonly used for general purpose use.

UOM: /METRE

CODE	DIA (mm)	CONSTRUCTION	GRADE	FINISH	CORE	LAY	MBF (kN)	APPROX. MASS	METRE PER REEL
711308	8	6x24	1570	Galvanised	Fibre	RHOL	28	20.4	1000
711310	10	6x24	1570	Galvanised	Fibre	RHOL	44	31.8	1000
711312	12	6x24	1570	Galvanised	Fibre	RHOL	63	45.8	1000
711313	13	6x24	1570	Galvanised	Fibre	RHOL	74	53.8	1000
711316	16	6x24	1570	Galvanised	Fibre	RHOL	113	81.5	1000

*Cut lengths available on request



6X36 G1770 IWRC GALVANISED WIRE ROPE

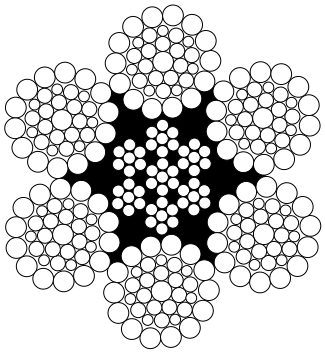
APPLICATIONS

Commonly used for general use and mobile cranes hoist ropes.

UOM: /METRE

CODE	DIA (mm)	CONSTRUCTION	GRADE	FINISH	CORE	LAY	MBF (kN)	APPROX. MASS	METRE PER REEL
713410	10	6x36	1770	Galvanised	Wire	RHOL	63	41.8	1000
713412	12	6x36	1770	Galvanised	Wire	RHOL	90	60.2	1000
713413	13	6x36	1770	Galvanised	Wire	RHOL	107	70.7	1000
713416	16	6x36	1770	Galvanised	Wire	RHOL	161	107	1000
713418	18	6x36	1770	Galvanised	Wire	RHOL	204	135	1000
713420-500	20	6x36	1770	Galvanised	Wire	RHOL	252	167	500
713422-500	22	6x36	1770	Galvanised	Wire	RHOL	304	202	500
713424-500	24	6x36	1770	Galvanised	Wire	RHOL	363	241	500
713426-500	26	6x36	1770	Galvanised	Wire	RHOL	426	283	500
713428-500	28	6x36	1770	Galvanised	Wire	RHOL	493	328	500

*Cut lengths available on request



6X7 FIBRE CORE G1570 RHOL DRY LUB. GALVANISED WIRE ROPE

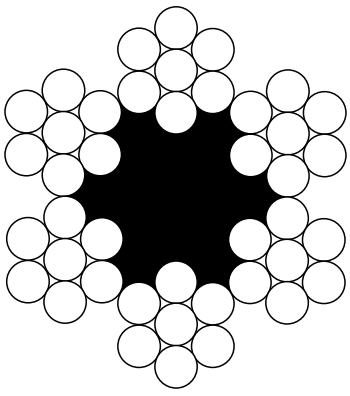
APPLICATIONS

Commonly used for guying and catenary wires.

UOM: /METRE

CODE	DIA (mm)	CONSTRUCTION	GRADE	FINISH	CORE	LAY	MBF (kN)	APPROX. MASS	METRE PER REEL
707302	2	6x7	1570	Galvanised	Fibre	RHOL	2.1	1.4	1000
707302A	2.5	6x7	1570	Galvanised	Fibre	RHOL	3.2	2.65	1000
707303	3	6x7	1570	Galvanised	Fibre	RHOL	4.7	3.22	1000
707304	4	6x7	1570	Galvanised	Fibre	RHOL	8.4	5.5	1000
707305	5	6x7	1570	Galvanised	Fibre	RHOL	13.1	8.6	1000
707306	6	6x7	1570	Galvanised	Fibre	RHOL	18.8	12.4	1000

*Cut lengths available on request



6X19 FIBRE CORE G1570 RHOL DRY LUB GALVANISED WIRE ROPE

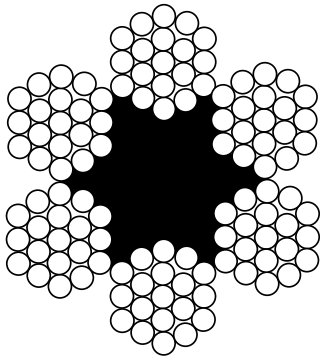
APPLICATIONS

Commonly used for general purpose winch and marine applications.

UOM: /METRE

CODE	DIA (mm)	CONSTRUCTION	GRADE	FINISH	CORE	LAY	MBF (kN)	APPROX. MASS	METRE PER REEL
709303	3	6x19	1570	Galvanised	Fibre	RHOL	4.3	3.2	1000
709303A	3.5	6x19	1570	Galvanised	Fibre	RHOL	5.8	4.3	1000
709304	4	6x19	1570	Galvanised	Fibre	RHOL	7.7	5.8	1000
709305	5	6x19	1570	Galvansed	Fibre	RHOL	12	8.8	1000
709306	6	6x19	1570	Galvanised	Fibre	RHOL	17.6	12.4	1000
709308	8	6x19	1570	Galvanised	Fibre	RHOL	30.8	22.5	1000
709310	10	6x19	1570	Galvanised	Fibre	RHOL	48.2	35.1	1000

*Cut lengths available on request



7X7 G2070 WRC RHOL DRY LUB GALVANISED WIRE ROPE

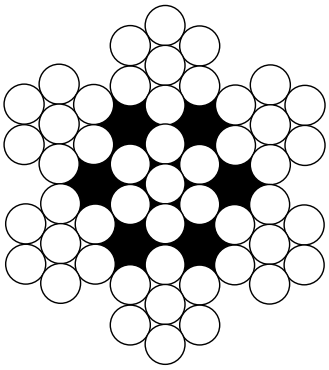
APPLICATIONS

Commonly used for guy ropes, catenary wires and Irrigation applications.

UOM: /METRE

CODE	DIA (mm)	CONSTRUCTION	GRADE	FINISH	CORE	LAY	MBF (kN)	APPROX. MASS	METRE PER REEL
708305	5	7X7	2070	Galvanised	Wire	RHOL	18.9	10.4	1000
708306	6	7X7	2070	Galvanised	Wire	RHOL	27.2	14.3	1000
708307	7	7X7	2070	Galvanised	Wire	RHOL	37.2	20.2	1000
708308	8	7X7	2070	Galvanised	Wire	RHOL	47.5	25.66	1000
708310	10	7X7	2070	Galvanised	Wire	RHOL	73	39.4	1000

*Cut lengths available on request



7X19 G2070 RHOL DRY LUB GALVANISED WIRE ROPE

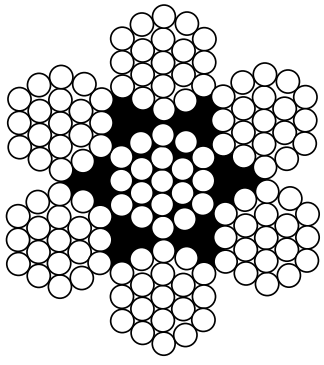
APPLICATIONS

Commonly used for general purpose winch and marine applications

UOM: /METRE

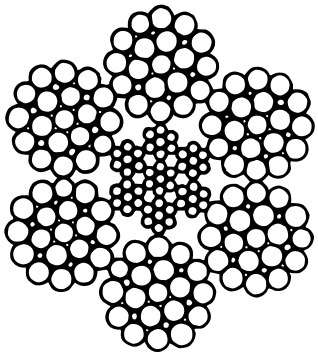
CODE	DIA (mm)	CONSTRUCTION	GRADE	FINISH	CORE	LAY	MBF (kN)	APPROX. MASS	METRE PER REEL
712403	3.2	7x19	2070	Galvanised	Wire	RHOL	7.1	4.4	1000
712404	4	7x19	2070	Galvanised	Wire	RHOL	11.2	6.22	1000
712405	5	7x19	2070	Galvanised	Wire	RHOL	17.2	8.6	1000
712406	6	7x19	2070	Galvanised	Wire	RHOL	25	12.4	1000
712408	8	7x19	2070	Galvanised	Wire	RHOL	43.5	24.4	1000
712410	10	7x19	2070	Galvanised	Wire	RHOL	64.4	46.1	1000

*Cut lengths available on request



GALVANISED WIRE ROPE

6X25 G2070 TIRFOR ROPE GALVANISED WIRE ROPE



APPLICATIONS

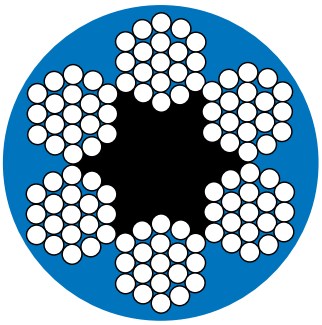
Suitable for winches and similar wire rope pullers also used on multi-layered winches.

UOM: /METRE

CODE	DIA (mm)	CONSTRUCTION	GRADE	FINISH	CORE	LAY	MBF (kN)	APPROX. MASS	METRE PER REEL
712411	11	6x25	2070	Galvanised	Wire	RHOL	89	50.9	1000
712416-500	16	6x25	2070	Galvanised	Wire	RHOL	188	106	500

*Cut lengths available on request

6X19 PVC FIBRE CORE G1570 RHOL PVC COATED GALVANISED WIRE ROPE BLUE COLOURED



APPLICATIONS

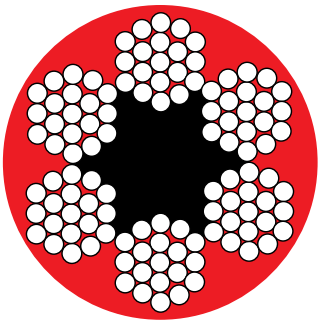
Commonly used for balustrade rails and marine rigging applications.

UOM: /METRE

CODE	WIRE DIA (mm)	PVC / OUTSIDE DIA (mm)	CONSTRUCTION	GRADE	WIRE FINISH	PVC	CORE	LAY	MBF (kN)	APPROX. MASS (kg/100m)	METRE PER REEL
706030	3	5	6x19	1570	PVC	Blue	Fibre	RHOL	4.3	3.16	1000
706030A	3.5	5.5	6x19	1570	PVC	Blue	Fibre	RHOL	5.8	4.2	1000
706040	4	6	6x19	1570	PVC	Blue	Fibre	RHOL	7.7	5.5	1000
706050	5	7	6x19	1570	PVC	Blue	Fibre	RHOL	12	8.6	1000
706060	6	8	6x19	1570	PVC	Blue	Fibre	RHOL	17.6	12.4	1000
706080	8	10	6x19	1570	PVC	Blue	Fibre	RHOL	30.8	22.1	1000
706100	10	12	6x19	1570	PVC	Blue	Fibre	RHOL	48.2	34.6	1000

*Cut lengths available on request

6X19 PVC FIBRE CORE G1570 RHOL PVC COATED GALVANISED WIRE ROPE RED COLOURED



APPLICATIONS

Commonly used for safety lines on conveyor systems.

UOM: /METRE

CODE	WIRE DIA (mm)	PVC / OUTSIDE DIA (mm)	CONSTRUCTION	GRADE	WIRE FINISH	PVC	CORE	LAY	MBF (kN)	APPROX. MASS (kg/100m)	METRE PER REEL
706030AR	3.5	5.5	6x19	1570	PVC	Red	Fibre	RHOL	5.8	4.2	1000
706050R	5	7	6x19	1570	PVC	Red	Fibre	RHOL	12	8.6	1000

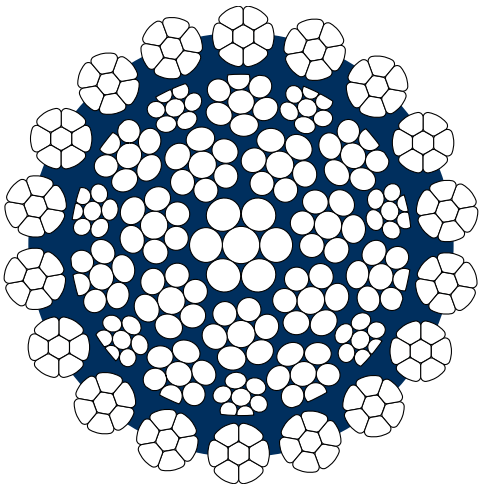
*Cut lengths available on request



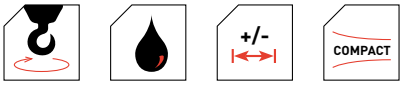
HIGH PERFORMANCE WIRE ROPE

CASAR

EUROLIFT



PROPERTIES



Swivel | Lubricated | Tolerance | Compacted

APPLICATIONS

Has a core in a special design avoiding crossover between the strands of core and preventing internal rope destruction. Hoist rope for mobile cranes, electrical hoists and other applications, where rotation-resistant ropes are required.

OVERVIEW

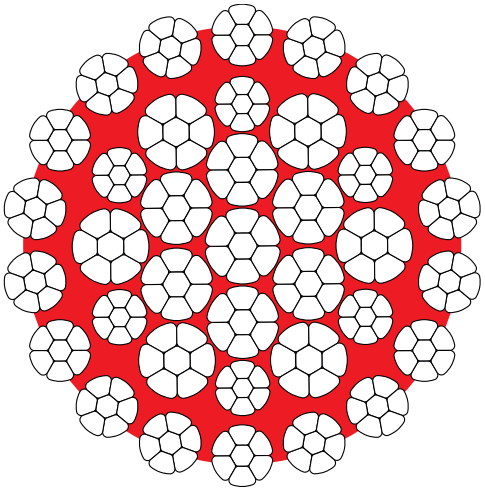
Diameter Range (mm)	10-34	34, 93-60
RCN	23-3	23-3
Number of Outer Strands	18	18
Number of Wires	280	292
Number of Outer Load Bearing Wires	126	126
Average Fill Factor	0.720	
Average Nominal Metallic Area Factor C	0.565	
Average Spin Factor *N/mm²	0.82 (1960)* / 0.80 (2160)*	

- Temperature range of use: -50°C to +75°C
- Suitable for multi-layer spooling in Lang's lay
- Available in ordinary lay and Lang's lay
- Available in right hand and left hand
- Available in galvanised and ungalvanised

NOMINAL DIAMETER (mm)	WEIGHT (kg/m)	MINIMUM BREAKING FORCE 1960 N/mm² (kN)	1960 N/mm² t (metric)	2160 N/mm² (kN)	2160 N/mm² t (metric)
10	0.50	89.6	9.14	97.4	9.93
11	0.61	108.8	11.09	118.4	12.07
12	0.73	130.8	13.34	139.9	14.27
13	0.84	152.7	15.57	165.4	16.87
14	0.97	179.1	18.26	190.9	19.47
15	1.12	204.0	20.80	219.5	22.38
16	1.28	230.6	23.51	249.1	25.40
17	1.43	257.9	26.30	280.6	28.61
18	1.61	293.9	29.97	317.5	32.38
19	1.79	329.0	33.55	352.8	35.98
20	2.01	362.2	36.93	391.7	39.94
21	2.19	396.1	40.39	430.9	43.94
22	2.42	441.4	45.01	472.0	48.13
23	2.64	471.8	48.11	513.2	52.33
24	2.89	524.3	53.46	564.1	57.52
25	3.07	567.9	57.91	609.4	62.14
26	3.35	614.9	62.70	657.4	67.04
27	3.64	654.2	66.71	711.7	72.57
28	3.91	712.9	72.70	765.6	78.07
29	4.19	754.6	76.95	821.0	83.72
30	4.48	817.6	83.35	877.9	89.52
31	4.83	869.7	88.69	958.4	97.73
32	5.12	930.0	94.83	1002.8	102.26
33	5.47	992.8	101.24	1094.1	111.57
34	5.76	1045.0	106.56	1130.9	115.32
36	6.51	1185.0	120.84	1262.3	128.72
38	7.21	1319.0	134.50	1412.2	144.01
40	8.04	1462.0	149.08	1560.4	49.12
42	8.85	1611.2	164.30	1667.4	170.03
44	9.71	1767.0	180.19	1823.0	185.90
46	10.68	1935.0	197.32	1989.7	202.90
48	11.58	2113.3	215.50	2187.0	223.01
50	12.50	2272.8	231.76	2504.7	255.41
52	14.18	2500.0	254.93	2750.0	280.42
54	14.69	2651.2	270.35	2921.7	297.93
56	15.75	2851.2	290.74	3142.2	320.42
58	16.83	3058.5	311.88	3370.6	343.71
60	18.01	3273.1	333.77	3607.1	367.83

CASAR

POWERPLAST



PROPERTIES



Swivel | Lubricated | Tolerance | Plast rope | Compacted

APPLICATIONS

Has a high breaking load and a good resistance against drum crushing. Hoist rope for deck cranes and offshore cranes, pull-inriser and other applications in the marine environment, where rotation resistant-ropes are required.

OVERVIEW

Diameter Range (mm)	12-56	57, 15-72
RCN	23-3	28
Number of Outer Strands	18	18
Number of Wires	259	593
Number of Outer Load Bearing Wires	126	270
Average Fill Factor	0.727	
Average Nominal Metallic Area Factor C	0.571	
Average Spin Factor *N/mm²	0.84 (1960)* / 0.81 (2160)*	

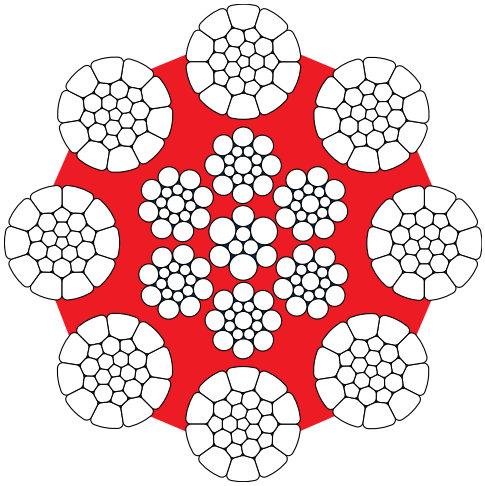
- Temperature range of use: -50°C to +115°C
- Suitable for multi-layer spooling in Lang's lay
- Available in ordinary lay and Lang's lay
- Available in right hand and left hand
- Available in galvanised execution

NOMINAL DIAMETER (mm)	WEIGHT (kg/m)	MINIMUM BREAKING FORCE			
		1960 N/mm²		2160 N/mm²	
		(kN)	t (metric)	(kN)	t (metric)
12	0.73	130.8	13.34	142.6	14.54
13	0.87	152.7	15.57	169.4	17.27
14	1.00	179.1	18.26	194.7	19.85
15	1.15	204.0	20.80	222.4	22.68
16	1.31	230.6	23.51	256.2	26.13
17	1.47	260.7	26.58	286.2	29.18
18	1.65	293.9	29.97	325.4	33.18
19	1.86	329.0	33.55	361.1	36.82
20	2.04	362.2	36.93	396.9	40.47
21	2.25	400.0	40.79	439.0	44.77
22	2.47	441.4	45.01	481.4	49.09
23	2.69	477.6	48.70	524.4	53.47
24	2.87	524.3	53.46	568.7	57.99
25	3.18	567.9	57.91	624.5	63.68
26	3.48	614.9	62.70	678.3	69.17
27	3.68	663.5	67.66	728.4	74.28
28	3.99	712.9	72.70	778.4	79.38
29	4.21	765.4	78.05	840.4	85.70
30	4.52	817.4	83.35	896.5	91.42
31	4.87	879.9	89.73	965.9	98.50
32	5.14	930.0	94.83	1019.4	103.95
33	5.46	991.2	101.08	1088.1	110.96
34	5.77	1045.0	106.56	1144.9	116.75
35	6.22	1102.6	112.44	1208.1	123.19
36	6.54	1185.5	120.89	1287.3	131.27
38	7.26	1319.0	134.50	1440.3	146.87
40	8.14	1462.0	149.08	1615.0	164.69
42	8.90	1611.2	164.30	1766.3	180.11
44	9.73	1767.0	180.19	1930.4	196.85
46	10.90	1935.0	197.32	2127.4	216.94
48	11.82	2113.0	215.47	2307.1	235.26
50	12.75	2292.0	233.72	2487.3	253.64
52	13.97	2436.0	248.41	2724.2	277.79
54	14.64	2632.0	268.39	2896.9	295.40
56	15.53	2854.3	291.06	3133.6	319.54
58	16.88	3077.9	313.86	3379.0	344.57
60	18.18	3292.8	335.78	3615.0	368.63
62	19.25	3546.3	361.63	3754.2	382.83
64	20.65	3803.1	387.81	4026.0	410.54
66	21.91	4036.5	411.61	4273.1	435.74
68	23.19	4271.9	435.62	4522.3	461.15
70	24.40	4495.5	458.42	4759.0	485.29
72	25.89	4780.4	487.47	5049.4	514.9

HIGH PERFORMANCE WIRE ROPE

CASAR

TURBOPLAST



PROPERTIES



No swivel | Lubricated | Tolerance | Plast rope | Compacted

APPLICATIONS

High breaking load and good resistance against crushing. Hoisting rope in multiple part reeving for smaller lifting heights as well as for twin hoist systems with left and right hand lay ropes for greater lifting heights.

OVERVIEW

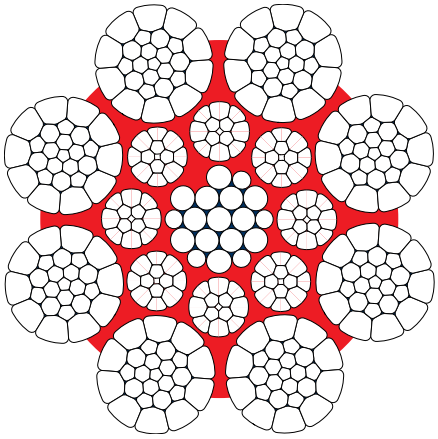
Diameter Range (mm)	8	9-24	25-48	50-72
RCN	09	09	09	11
Number of Outer Strands	8	8	8	8
Number of Wires	259	319	327	367
Number of Outer Load Bearing Wires	208	208	208	248
Average Fill Factor	0.664			
Average Nominal Metallic Area Factor C	0.522			
Average Spin Factor *N/mm²	0.89 (1770)* / 0.88 (1960)* / 0.86 (2160)*			

- Temperature range of use: -50°C to +115°C
- Suitable for multi-layer spooling in Lang's lay
- Available in ordinary lay and Lang's lay
- Available in right hand and left hand
- Available in galvanised and ungalvanised

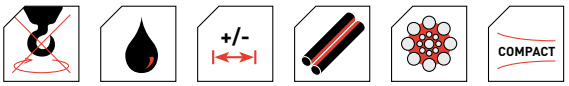
NOMINAL DIAMETER (mm)	WEIGHT (kg/m)	MINIMUM BREAKING FORCE 1960 N/mm² (kN)	1960 N/mm² t (metric)	2160 N/mm² (kN)	2160 N/mm² t (metric)
8	0.30	58.0	5.91	63.5	6.48
9	0.38	74.0	7.55	81.4	8.30
10	0.47	90.0	9.18	101.0	10.30
11	0.57	109.7	11.19	122.6	12.50
12	0.67	130.0	13.26	144.0	14.68
13	0.76	153.0	14.99	170.0	16.49
14	0.91	177.0	18.05	196.0	19.99
15	1.06	205.0	20.90	226.0	23.05
16	1.21	232.0	23.66	252.0	25.70
17	1.34	259.0	26.41	283.0	28.86
18	1.51	292.0	29.78	314.0	32.02
19	1.67	327.0	33.35	351.0	35.79
20	1.87	361.0	36.81	391.0	39.87
21	2.04	394.0	40.18	421.0	42.93
22	2.23	439.0	44.77	468.0	47.72
23	2.44	478.0	48.74	511.0	52.11
24	2.66	521.0	53.13	556.0	56.70
26	3.13	616.0	62.82	655.0	66.79
27	3.38	657.0	67.00	702.0	71.58
28	3.60	707.0	72.09	748.0	76.28
29	3.87	760.0	77.50	807.0	82.29
30	4.15	813.0	82.90	871.0	88.82
32	4.75	938.0	95.65	988.0	100.76
34	5.36	1055.0	107.58	1114.0	113.60
36	5.95	1164.0	118.70	1242.0	126.65
38	6.68	1301.0	132.67	1395.0	142.25
40	7.40	1438.0	146.64	1552.0	158.26
42	8.11	1591.0	162.24	1694.0	172.74
44	8.96	1739.0	177.33	1873.0	190.99
46	9.78	1916.0	195.38	2042.0	208.23
48	10.65	2079.0	212.00	2225.0	226.89
50	11.57	2265.0	230.97	2423.0	247.08
52	12.50	2448.0	249.63	2620.0	267.17
54	13.39	2641.0	269.31	2826.0	288.17
56	14.45	2828.0	288.38	3027.0	308.67
58	15.43	3022.0	308.16	3234.0	329.78
60	16.55	3242.0	330.60	3469.0	353.74
62	17.54	3364.0	343.04	3708.0	378.11
64	18.92	3597.0	366.80	3965.0	404.32
66	20.16	3833.0	390.86	4225.0	430.83
68	21.35	4055.0	413.50	-	-
70	22.51	4281.0	436.54	-	-
72	23.86	4538.0	462.75	-	-

CASAR

PARAPLAST



PROPERTIES



No swivel | Lubricated | Tolerance | Parallel Construction | Plast rope | Compacted

APPLICATIONS

Very fatigue resistant and very high minimum breaking load. Hoist rope for electrical hoists and lifting devices with multiple part reeving, whereas a rotation rope is not needed due to great lifting heights, low number of falls or guided loads.

OVERVIEW

Diameter Range (mm)	11-32	33-50
RCN	09	09
Number of Outer Strands	8	8
Number of Wires	323	363
Number of Outer Load Bearing Wires	208	208
Average Fill Factor	0.709	
Average Nominal Metallic Area Factor C	0.557	
Average Spin Factor *N/mm²	0.87 (1960)* / 0.86 (2160)*	

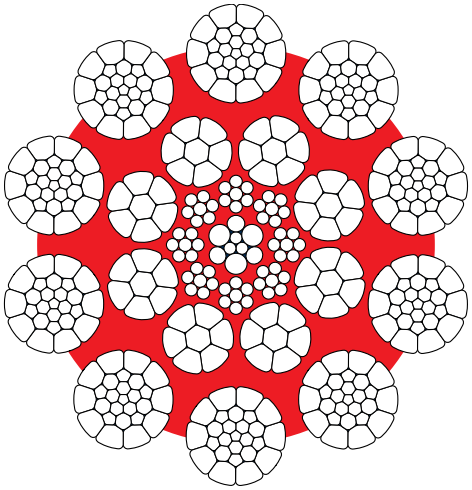
- Temperature range of use: -50°C to +115°C
- Suitable for multi-layer spooling
- Available in ordinary lay and Lang's lay
- Available in right hand and left hand
- Available in galvanised and ungalvanised

NOMINAL DIAMETER (mm)	WEIGHT (kg/m)	MINIMUM BREAKING FORCE			
		1960 N/mm²		2160 N/mm²	
		(kN)	t (metric)	(kN)	t (metric)
11	0.60	113.4	11.56	122.1	12.45
12	0.72	137.2	13.99	147.8	15.07
13	0.83	159.7	16.29	172.0	17.54
14	0.96	184.8	18.84	199.0	20.29
15	1.12	212.3	21.65	228.6	23.31
16	1.27	240.4	24.51	258.9	26.40
17	1.42	273.3	27.87	294.4	30.02
18	1.61	304.3	31.03	327.7	33.42
19	1.78	342.0	34.87	368.4	37.57
20	2.01	379.7	38.72	408.9	41.70
21	2.20	414.7	42.29	446.6	45.54
22	2.40	456.8	46.58	491.9	50.16
23	2.64	517.1	52.73	556.9	56.79
24	2.87	561.8	57.29	605.0	61.69
25	3.11	609.0	62.10	655.9	66.88
26	3.38	662.2	67.53	713.1	72.72
27	3.63	711.0	72.50	765.8	78.09
28	3.89	760.6	77.56	819.1	83.53
29	4.18	820.3	83.65	883.5	90.09
30	4.49	884.0	90.14	952.0	97.08
32	5.11	978.3	99.76	1065.6	108.66
34	5.75	1097.0	111.86	1194.9	121.85
36	6.42	1233.8	125.81	1343.9	137.04
38	7.20	1377.2	140.44	1500.1	152.97
40	7.98	1533.5	156.38	1670.3	170.32
42	8.78	1680.1	171.32	1830.1	186.62
44	9.64	1851.4	188.79	2016.6	205.64
46	10.54	2022.8	206.27	2203.3	224.68
48	11.46	2202.0	224.54	2398.5	244.58
50	12.52	2365.3	241.20	2576.4	262.72

HIGH PERFORMANCE WIRE ROPE

CASAR

SUPERPLAST 8



PROPERTIES



No swivel | Lubricated | Tolerance | Plast rope | Compacted

APPLICATIONS

Very high breaking load and good resistance against drum crushing. Hoisting rope in multiple part reeving for smaller lifting heights as well as for twin hoist systems with left and right hand lay ropes for greater lifting heights.

OVERVIEW

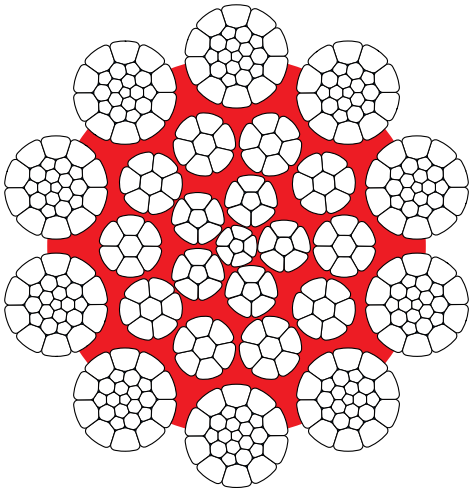
Diameter Range (mm)	10-66,68	68-76
RCN	11	→ 13
Number of Outer Strands	10	10
Number of Wires	381	519
Number of Outer Load Bearing Wires	260	310
Average Fill Factor	0.686	
Average Nominal Metallic Area Factor C	0.539	
Average Spin Factor *N/mm²	0.85 (1960)* / 0.84 (2160)*	

- Temperature range of use: -50°C to +115°C
- Suitable for multi-layer spooling
- Available in ordinary lay and Lang's lay
- Available in right hand and left hand
- Available in galvanised and ungalvanised

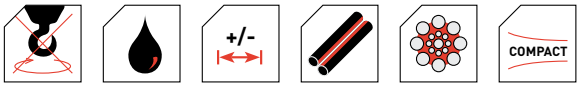
NOMINAL DIAMETER (mm)	WEIGHT (kg/m)	MINIMUM BREAKING FORCE 1960 N/mm² (kN)	1960 N/mm² t (metric)	2160 N/mm² (kN)	2160 N/mm² t (metric)
10	0.49	90.9	9.27	99.6	10.16
11	0.59	109.0	11.12	119.0	12.13
12	0.69	127.0	12.95	139.0	14.17
13	0.81	152.0	15.50	166.0	16.93
14	0.93	174.0	17.74	190.0	19.37
15	1.07	200.0	20.39	219.0	22.33
16	1.22	227.0	23.15	248.0	25.29
17	1.39	260.0	26.51	285.0	29.06
18	1.56	293.0	29.88	321.0	32.73
19	1.74	320.0	32.63	351.0	35.79
20	1.93	358.0	36.51	395.0	40.28
21	2.12	395.0	40.28	435.0	44.46
22	2.23	432.0	44.05	474.0	48.34
23	2.54	473.0	48.23	518.2	52.84
24	2.78	517.4	52.76	566.9	57.81
25	3.00	559.6	57.06	613.4	62.55
26	3.24	604.9	61.68	662.7	67.58
27	3.48	646.8	65.96	708.6	72.26
28	3.74	698.9	71.27	762.0	77.70
29	3.99	737.8	75.24	808.3	82.42
30	4.28	796.8	81.25	872.9	89.01
31	4.53	846.7	86.34	927.5	94.58
32	4.86	925.9	94.42	1014.3	103.43
33	5.19	968.4	98.75	1060.9	108.18
34	5.58	1046.0	106.66	1145.9	116.85
36	6.26	1172.5	119.56	1284.5	130.98
38	6.87	1282.5	130.78	1405.0	143.27
40	7.67	1429.3	145.75	1565.8	159.67
42	8.45	1581.5	161.27	1732.6	176.68
44	9.24	1725.8	175.98	1890.7	192.80
46	10.25	1899.3	193.68	2080.7	212.17
48	11.08	2068.9	210.97	2266.6	231.13
50	11.95	2232.3	227.63	2445.5	249.37
52	12.93	2421.3	246.91	2652.6	270.49
54	14.07	2626.5	267.83	2877.4	293.42
56	15.11	2853.4	290.97	3126.0	318.77
58	16.12	3004.3	306.36	3291.3	335.62
60	17.29	3245.0	330.90	3555.0	362.51
62	18.49	3432.1	349.98	3759.9	383.41
64	19.59	3646.8	371.87	3995.1	407.39
66	20.96	3876.8	395.33	5247.1	433.09
68	22.03	4132.9	421.44	4527.6	461.69
70	23.53	4370.1	445.63	4787.5	488.19
72	24.98	4544.9	463.46	4979.1	507.73

CASAR

SUPERPLAST 10 MIX



PROPERTIES



APPLICATIONS

Very high bending fatigue performance and high minimum breaking load. Mainly overhead and industrial cranes where rotation resistant ropes are not required.

OVERVIEW

Diameter Range (mm)	16-57, 15
RCN	11
Number of Outer Strands	10
Number of Wires	366
Number of Outer Load Bearing Wires	260
Average Fill Factor	0.700
Average Nominal Metallic Area Factor C	0.550
Average Spin Factor *N/mm²	0.87 (1960)* / 0.85 (2160)*

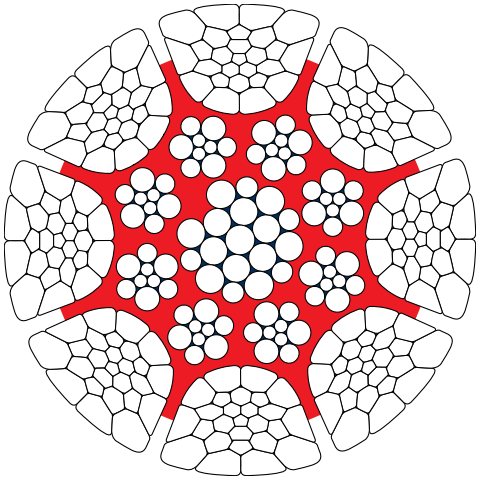
- Temperature range of use: -50°C to +115°C
- Suitable for multi-layer spooling in Lang's lay
- Available in ordinary lay and Lang's lay
- Available in right hand and left hand
- Available in galvanised and ungalvanised

NOMINAL DIAMETER (mm)	WEIGHT (kg/m)	MINIMUM BREAKING FORCE 1960 N/mm² (kN)	1960 N/mm² t (metric)	2160 N/mm² (kN)	2160 N/mm² t (metric)
16	1.24	237.0	24.17	259.0	26.41
17	1.42	270.0	27.53	291.0	29.67
18	1.53	301.0	30.69	328.0	33.45
19	1.87	344.0	35.08	375.0	38.24
20	2.03	377.0	38.44	406.0	41.40
21	2.16	412.0	42.01	449.0	45.79
22	2.43	465.0	47.42	507.0	51.70
23	2.65	507.0	51.70	546.0	55.68
24	2.89	553.0	56.39	602.0	61.39
25	3.11	594.0	60.57	647.0	65.98
26	3.37	645.0	65.77	695.0	70.87
27	3.63	692.0	70.57	754.0	76.89
28	3.96	757.0	77.19	825.0	84.13
29	4.23	808.0	82.39	871.0	88.82
30	4.44	847.0	86.37	923.0	94.12
31	4.77	913.0	93.10	994.0	101.36
32	5.13	982.0	100.14	1057.0	107.79
33	5.41	1036.0	105.64	1129.0	115.13
34	5.65	1106.0	112.78	1205.0	122.88
35	6.12	1167.0	119.0	1277.4	130.26
36	6.45	1235.0	125.94	1330.0	135.62
38	7.16	1369.0	139.0	1492.0	152.14
40	7.91	1496.0	152.55	1621.0	165.30
42	8.75	1654.0	168.66	1792.0	182.74
44	9.62	1820.0	185.59	1972.0	201.09
46	10.53	1985.0	202.42	2150.0	219.24
48	11.51	2176.0	221.89	2356.0	240.25
50	12.43	2350.0	239.64	2546.0	259.62
52	13.4	2508.0	255.75	2716.0	276.96
54	14.47	2793.0	284.81	2967.0	302.55
56	15.56	2931.0	298.88	3174.0	323.66

HIGH PERFORMANCE WIRE ROPE

CASAR

PARAFIT



PROPERTIES



No swivel | Lubricated | Tolerance | Parallel Construction | Plast rope | Compacted | Swaged

APPLICATIONS

Boom hoist rope for all kind of crawler cranes and mobile cranes especially suited for multi-layer spooling.

OVERVIEW

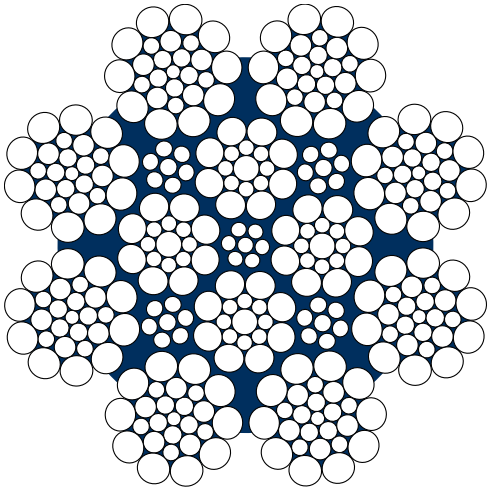
Diameter Range (mm)	14-50
RCN	09
Number of Outer Strands	8
Number of Wires	298
Number of Outer Load Bearing Wires	208
Average Fill Factor	0.744
Average Nominal Metallic Area Factor C	0.584
Average Spin Factor *N/mm²	0.87 (1960)* / 0.86 (2160)*

- Temperature range of use: -50°C to +115°C
- Suitable for multi-layer spooling
- Only available in ordinary lay
- Available in right hand and left hand
- Available in galvanised and ungalvanised

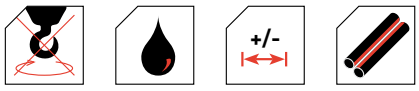
NOMINAL DIAMETER (mm)	WEIGHT (kg/m)	MINIMUM BREAKING FORCE 1960 N/mm² (kN)	1960 N/mm² t (metric)	2160 N/mm² (kN)	2160 N/mm² t (metric)
14	0.98	195.8	19.97	213.4	21.76
15	1.11	223.2	22.76	243.1	24.79
16	1.27	255.1	26.01	277.9	28.33
17	1.45	291.8	29.75	317.8	32.41
18	1.61	322.7	32.90	351.5	35.84
19	1.82	364.4	37.16	397.0	40.48
20	1.99	398.5	40.63	434.1	44.26
21	2.18	437.5	44.61	476.5	48.59
22	2.42	485.2	49.47	528.5	53.89
23	2.63	528.3	53.87	575.5	58.69
24	2.87	576.1	58.75	627.6	64.00
25	3.11	624.4	63.67	680.2	69.36
26	3.35	671.7	68.50	731.7	74.62
27	3.63	727.2	74.16	792.2	80.78
28	3.90	782.8	79.82	852.7	86.96
29	4.18	838.0	85.46	912.9	93.09
30	4.50	902.2	92.00	982.9	100.23
32	5.08	1018.9	103.90	1110.0	113.19
33	5.40	1083.6	110.50	1065.9	108.70
34	5.77	1157.3	118.01	1260.7	128.56
36	6.44	1291.6	131.71	1407.0	143.48
38	7.21	1446.4	147.49	1575.6	160.67
40	7.95	1593.8	162.53	1736.3	177.05
42	8.76	1757.2	179.19	1914.2	195.20
44	9.67	1939.8	197.81	2113.2	215.49
46	10.55	2115.8	215.75	2304.9	235.03
48	11.49	2304.2	234.96	2510.1	255.96
50	12.36	2480.3	252.92	2702.0	275.53

CASAR

ALPHALIFT



PROPERTIES



No swivel | Lubricated | Tolerance | Parallel Construction

APPLICATIONS

Very flexible construction with a high breaking load. Hoist rope for electrical hoist and other lifting devices, where rotation resistant ropes are not required.

OVERVIEW

Diameter Range (mm)	4-5	5.5-6.5	7-9.53	10-27
RCN	02	07	07	06
Number of Outer Strands	8	8	8	8
Number of Wires	99	211	271	255
Number of Outer Load Bearing Wires	56	168	168	152
Average Fill Factor	0.655			
Average Nominal Metallic Area Factor C	0.514			
Average Spin Factor	0.86			

- Temperature range of use: -50°C to +140°C
- Available in ordinary lay and Lang's lay
- Available in right hand and left hand
- Available in galvanised and ungalvanised

NOMINAL DIAMETER (mm)	WEIGHT (kg/m)	MINIMUM BREAKING FORCE			
		1960 N/mm²		2160 N/mm²	
		(kN)	t (metric)	(kN)	t (metric)
4	0.07	13.0	1.33	14.3	1.46
4.5	0.09	16.7	1.70	18.4	1.88
5	0.11	21.1	2.15	23.4	2.39
5.5	0.13	26.1	2.66	28.8	2.94
6	0.16	31.5	3.21	34.7	3.54
6.5	0.18	37.9	3.86	41.8	4.26
7	0.22	42.6	4.34	47.0	4.79
7.5	0.25	49.6	5.06	54.6	5.57
8	0.29	55.0	5.61	60.6	6.18
9	0.36	72.0	7.34	79.3	8.09
10	0.45	87.3	8.90	92.5	9.43
11	0.56	107.2	10.93	117.0	11.93
12	0.66	126.3	12.88	137.8	14.05
13	0.76	146.6	14.95	159.9	16.31
14	0.88	168.7	17.20	184.1	18.77
15	1.02	197.0	20.09	214.9	21.91
16	1.15	222.5	22.69	242.8	24.76
17	1.29	250.3	25.52	273.1	27.85
18	1.46	282.8	28.84	308.5	31.46
19	1.65	319.9	32.62	349.0	35.59
20	1.81	352.0	35.89	384.0	39.16
21	2.02	391.6	39.93	427.2	43.56
22	2.21	430.2	43.87	469.4	47.87
23	2.40	467.4	47.66	509.9	52.00
24	2.59	504.7	51.47	550.6	56.15
25	2.80	545.3	55.61	594.9	60.66
26	3.03	588.8	60.04	642.4	65.51
27	3.27	635.5	64.80	693.3	70.70

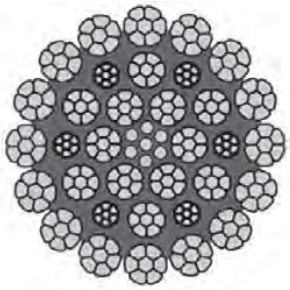
HIGH PERFORMANCE WIRE ROPE

USHA MARTIN

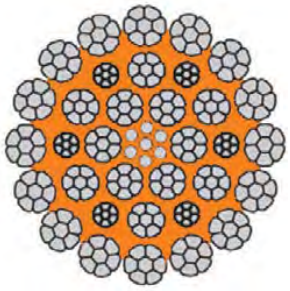
CRANE WIRE ROPE POWERFORM® 35/35P

FEATURES AND BENEFITS

- Superior strength and resistance to rotation
- Suitable for use on single part and multi-part hoist reeving systems
- High fatigue life due to unique compaction process
- A sample of rope from each production batch is tested to destruction
- Increased resistance to crushing. Recommended for multi-layer spooling operations
- Increased abrasion resistance
- Optional plastic impregnation. (P) signifies full plastic impregnation of the Steel Core
- Fully lubricated in manufacturing



Powerform® 35



Powerform® 35P

NOM. ROPE DIA.	NOM. ROPE DIA.	APPROX. MASS	MINIMUM BREAKING FORCE GALVANISED & UNGALVANISED ROPE GRADE			
			1960 N/mm²		2160 N/mm²	
(mm)	(in)	(kg/100m)	(kN)	(t)	(kN)	(t)
	1/2	81.1	148.0	15.1	160.0	16.3
13		85.0	155.0	15.8	167.0	17.0
14		98.6	180.0	18.3	192.0	19.6
16	5/8	129.0	223.0	23.8	252.0	25.7
18		163.0	300.0	30.6	321.0	32.7
19	3/4	182.0	331.0	33.7	358.0	36.0
20		201.0	372.0	37.9	399.0	40.7
21		222.0	402.0	41.0	434.0	44.2
22		243.0	444.0	45.3	484.0	49.3
	7/8	249.0	453.0	46.2	490.0	49.9
24		290.0	531.0	54.1	572.0	58.3
	1	325.0	591.0	60.2	640.0	65.2
26		340.0	621.0	63.3	661.0	67.4
28		394.0	720.0	73.4	788.0	80.3
	1 - 1/8	411.0	748.0	76.2	810.0	82.6
30		453.0	827.0	84.3	904.0	92.2
32	1 - 1/4	515.0	944.0	96.2	1035.0	106.0
35	1 - 3/8	616.0	1125.0	115.0	1216.0	124.0
36		652.0	1185.0	121.0	1286.0	131.0
38	1 - 1/2	726.0	1326.0	135.0	1437.0	146.0
40		805.0	1477.0	151.0	1588.0	162.0
42		887.0	1485.0	151.0		
44		974.0	1618.0	165.0		
	1 - 3/4	994.0	1646.0	168.0		
46		1064.0	1765.0	180.0		
48		1159.0	1935.0	197.0		
50		1258.0	2078.0	212.0		
	2	1298.0	2150.0	219.0		
52		1360.0	2256.0	230.0		

*Mass per unit length of POWERFORM 35P increases by approx. 3%.

Note:

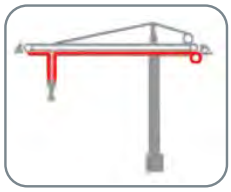
- POWERFORM 35P is available on special request and prior confirmation.
- Rope sizes and Breaking Force not shown in the standard table, may be available on request and prior confirmation.



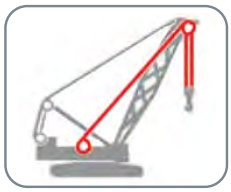
Mobile



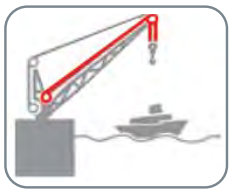
Tower



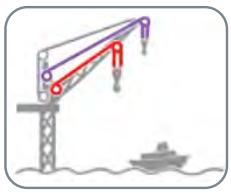
Lattice Boom



Dockside



Offshore Pedestal



Main Hoist

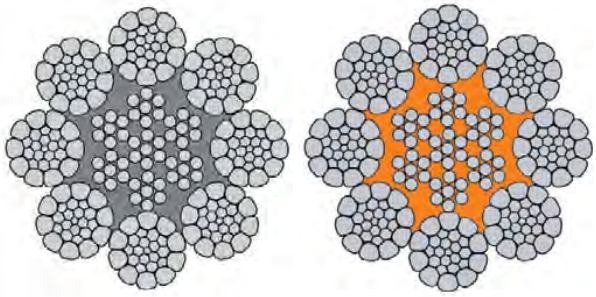
Whip Hoist

USHA MARTIN

CRANE WIRE ROPE POWERFORM® 8/8P

FEATURES AND BENEFITS

- A high strength eight strand rope with plastic impregnated core ideal for situations where longer service life is required
- High fatigue life resulting from the unique compaction process
- Maximum resistance to crushing. Recommended for multi-layer spooling operations
- Increased abrasion resistance
- A sample of rope from each production batch is tested to destruction
- Greater surface contact area resulting from the eight strand construction and compacted finish give longer rope life and reduced sheave wear
- Optional plastic impregnation of the steel core. (P) signifies full plastic impregnation of the steel core



Powerform® 8 Powerform® 8P

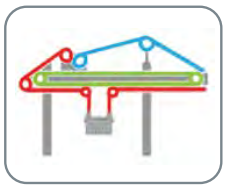
NOM. ROPE DIA.	NOM. ROPE DIA.	APPROX. MASS	MINIMUM BREAKING FORCE GALVANISED & UNGALVANISED ROPE GRADE			
			1960 N/mm²		2160 N/mm²	
(mm)	(in)	(kg/100m)	(kN)	(t)	(kN)	(t)
10		46.0	87.8	9.0	94.0	9.6
11		55.7	106.0	10.8	114.0	11.6
12		66.2	126.0	12.8	135.0	13.8
	1/2	74.2	142.0	14.5	152.0	15.5
13		77.7	148.0	15.1	159.0	16.2
14		90.2	172.0	17.5	184.0	18.8
15		104.0	198.0	20.2	211.0	21.5
16	5/8	118.0	225.0	22.9	241.0	24.6
17		133.0	254.0	25.9	272.0	27.7
18		149.0	284.0	29.0	304.0	31.0
19	3/4	166.0	317.0	32.2	339.0	34.6
20		184.0	351.0	35.8	376.0	38.3
22		223.0	425.0	43.3	455.0	46.4
	7/8	227.0	434.0	44.2	464.0	47.3
24		265.0	506.0	51.6	541.0	55.1
	1	297.0	567.0	57.8	606.0	61.8
26		318.0	594.0	60.6	635.0	64.7
28		368.0	688.0	70.1	737.0	75.1
	1 - 1/8	384.0	717.0	73.1	767.0	78.2
30		423.0	790.0	80.5	846.0	86.2
32	1 - 1/4	481.0	899.0	91.6	960.0	97.9
34		543.0	1013.0	103.0	1083.0	110.0
36		609.0	1138.0	116.0	1218.0	124.0
38	1 - 1/2	679.0	1268.0	129.0	1357.0	138.0
40		752.0	1405.0	143.0	1503.0	153.0
42		847.0	1535.0	156.0	1651.0	168.0
44		929.0	1700.0	173.0	1819.0	185.0
	1 - 3/4	948.0	1735.0	177.0	1856.0	189.0
46		1016.0	1858.0	189.0	1985.0	202.0
48		1106.0	2023.0	206.0	2162.0	220.0
50		1200.0	2200.0	224.0	2349.0	239.0
	2	1239.0	2266.0	231.0	2425.0	247.0
52		1298.0	2374.0	242.0	2541.0	259.0

*Mass per unit length of POWERFORM 8P increases by approx. 3%.

Note:

- POWERFORM 8P is available for rope diameter 16mm and above on special request and prior confirmation.
- Rope sizes and Breaking Force not shown in the standard table, may be available on request and prior confirmation.

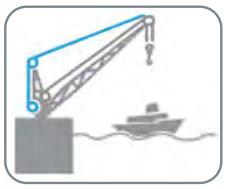
Container



Lattice Room



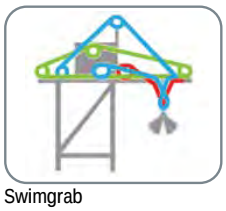
Dockside



Offshore Pedestal



Unloader



Swimgrab



Boom Hoist
Main Hoist
Racking / Trolley

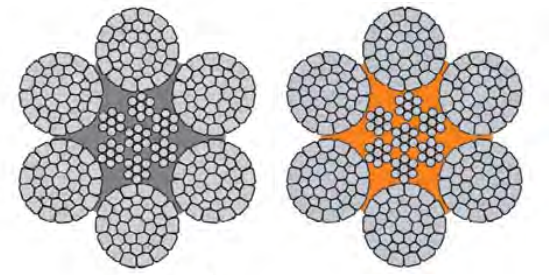
HIGH PERFORMANCE WIRE ROPE

USHA MARTIN

CRANE WIRE ROPE POWERFORM® 6/6P

FEATURES AND BENEFITS

- A high strength rugged six strand rope ideal for situations where longer service life is required
- Can be substituted for any six strand construction to improve service life
- High fatigue life due to unique compaction process
- A sample of rope from each production batch is tested to destruction
- Maximum resistance to crushing. Recommended for multi-layer spooling operations
- Increased abrasion resistance
- Fully lubricated in manufacturing
- Optional plastic impregnation (P) signifies full plastic impregnation of the steel core



Powerform® 6 Powerform® 6P

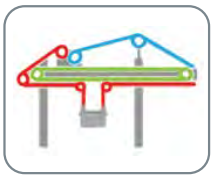
NOM. ROPE DIA.	NOM. ROPE DIA.	APPROX. MASS	MINIMUM BREAKING FORCE GALVANISED & UNGALVANISED ROPE GRADE			
			1960 N/mm²		2160 N/mm²	
(mm)	(in)	(kg/100m)	(kN)	(t)	(kN)	(t)
10		46.4	69.5	7.1	85.7	8.7
11		56.1	83.8	8.5	98.6	10.1
12		66.8	100.0	10.2	114.0	11.6
	1/2	74.8	113.0	11.5	140.0	14.3
13		78.4	118.0	12.0	147.0	15.0
14		90.9	137.0	14.0	170.0	17.3
15		104.0	157.0	16.0	195.0	19.9
16	5/8	119.0	178.0	18.1	218.0	22.2
17		134.0	201.0	20.5	246.0	25.1
18		150.0	225.0	22.9	276.0	28.1
19	3/4	168.0	251.0	25.6	304.0	31.0
20		186.0	278.0	28.3	335.0	34.1
22		225.0	336.0	34.3	400.0	40.8
	7/8	229.0	343.0	35.0	408.0	41.6
24		267.0	400.0	40.8	489.0	49.8
	1	299.0	449.0	45.8	552.0	56.3
26		314.0	470.0	47.9	578.0	58.9
28		364.0	545.0	55.6	657.0	67.0
30		418.0	626.0	63.8	757.0	77.2
32	1 - 1/4	475.0	712.0	72.6	846.0	86.2
34		518.0	804.0	82.0	916.0	93.4
36		581.0	901.0	91.8	1065.0	109.0
38	1 - 1/2	647.0	1004.0	102.0	1165.0	119.0
40		717.0	1112.0	113.0	1295.0	132.0
42		790.0	1226.0	125.0	1425.0	145.0
44		867.0	1246.0	127.0	1505.0	153.0
46		948.0	1362.0	139.0	1665.0	170.0
48		1032.0	1483.0	151.0	1885.0	192.0
50		1120.0	1609.0	164.0	1975.0	201.0
52		1211.0	1741.0	177.0	2135.0	218.0
54		1306.0	1877.0	191.0	2325.0	237.0
56		1405.0	2019.0	206.0	2475.0	252.0
58		1507.0	2166.0	221.0	2650.0	270.0
60		1613.0	2317.0	236.0	2810.0	286.0

*Mass per unit length of POWERFORM 6P increases by approx. 3%.

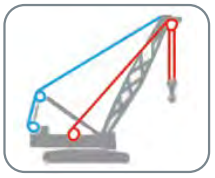
Note:

- POWERFORM 6P is available only for 16mm and above on special request and prior confirmation.
- Rope sizes and Breaking Force not shown in the standard table, may be available on request and prior confirmation.

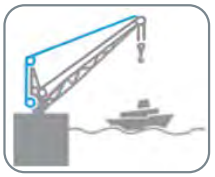
Container



Lattice Room



Dockside



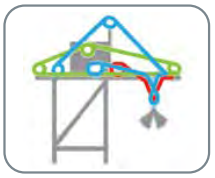
Steelworks Ladle



Offshore Pedestal



Unloader



Boom Hoist

Main Hoist

Racking / Trolley

* For higher lifting heights, a rotation resistant rope should be selected.



WIRE ROPE SLINGS

TYPICAL STEEL WIRE ROPE SLING DESCRIPTION

Hand spliced or machine swaged slings, with your choice of terminations, can be manufactured and tested (if required) on our premises at short notice. All slings and assemblies are permanently marked with safe working loads, based on a 5:1 factor of safety.



13mm 6/36 G1770 RHOL WRC PREF G2

- 200 mm soft eye each end
- Machine spliced WLL 2.1 tonne
- 3.0 metres effective length

(a)	SWR	Steel Wire Rope.
(b)	FC	Fibre Core.
(c)	13mm	Diameter (nominal) of SWR measured over “crowns”.
(d)	6/36	Construction (six strands, each with thirty six wires).
(e)	G1770	“G” signifies "galvanised" wires. 1770 signifies tensile grade of wires (in Megapascals).
(f)	RHOL	Right Hand Ordinary Lay (strands laid up to the RIGHT, wires in each strand to the LEFT).
(g)	WRC	Wire Rope Core (approx 7.5% stronger and 11% heavier than FC).
(h)	PREF	Strands shaped (helix formed) before laying up into a rope.
(i)	G2	Lubricant (Petroleum Jelly).
(j)	200mm	Eye size.
(k)	Machine Splice	Steel, copper or aluminium alloy ferrule pressed around the looped end of wire rope.
(l)	WLL	Maximum load that can be lifted on a particular service.
(m)	Length	For restrictions refer to AS 1666.

MACHINE SWAGING

Aluminium Ferrules Sizes 2mm – 52mm
Copper Ferrules Sizes 2mm – 10mm
Steel Ferrules Sizes 9mm – 75mm
Swage Sockets Sizes 3mm – 52mm
Hand Splicing from 2mm – 75mm dia

Endless slings



Butt Splice



Grommet



Machine Swaged



Soft Eye Machine Swaged

Thimble Eye Machine Swaged

Sof Eye Hand Spliced

Thimble Eye Hand Spliced

Closed Spelter Socket

Machine Swaged

Closed Swage Socket

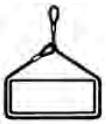
Open Swage Socket

SINGLE & MULTI-LEG WIRE ROPE SLINGS

FERRULE-SECURED EYES
- AS 1666 WORKING LOAD LIMIT (W.L.L.) IN TONNES

GRADE 1770 STEEL CORE

GRADE 1960 STEEL CORE

METHOD OF LOADING / ROPE DIA (mm)	DIRECT LOADED	CHOKE HITCH		BASKET HITCH ROUND LOAD				2-3 OR 4 LEG ASSEMBLY		
		ROUND LOAD	RECTANGULAR LOAD							
										
INCLUDED ANGLE	-	-	-	0°	60°	90°	120°	0° TO 60°	90°	120°
LOADING FACTOR	1 x 0.95	0.75 x 0.95	0.5 x 0.95	2 x 0.95	1.73 x 0.95	1.41 x 0.95	1 x 0.95	1.73 x 0.95	1.41 x 0.95	1 x 0.95
8	0.78	0.58	0.39	1.56	1.35	1.10	0.78	1.35	1.10	0.78
8	0.87	0.65	0.43	1.74	1.50	1.22	0.87	1.50	1.22	0.87
9	0.99	0.74	0.49	1.98	1.71	1.40	0.99	1.71	1.40	0.99
9	1.09	0.82	0.55	2.18	1.89	1.54	1.09	1.89	1.54	1.09
10	1.22	0.92	0.61	2.40	2.10	1.72	1.22	2.10	1.72	1.22
10	1.35	1.01	0.68	2.70	2.30	1.91	1.35	2.30	1.91	1.35
11	1.48	1.11	0.74	3.00	2.60	2.10	1.48	2.60	2.10	1.48
11	1.63	1.23	0.82	3.26	2.80	2.30	1.63	2.80	2.30	1.63
12	1.76	1.32	0.88	3.50	3.00	2.50	1.76	3.00	2.50	1.76
12	1.94	1.45	0.97	3.88	3.30	2.70	1.94	3.30	2.70	1.94
13	2.10	1.55	1.04	4.10	3.60	2.90	2.10	3.60	2.90	2.10
13	2.20	1.71	1.14	4.40	3.90	3.20	2.20	3.90	3.20	2.20
14	2.40	1.80	1.20	4.80	4.20	3.40	2.40	4.20	3.40	2.40
14	2.60	1.99	1.33	5.20	4.50	3.70	2.60	4.50	3.70	2.60
16	3.10	2.30	1.56	6.20	5.40	4.40	3.10	5.40	4.40	3.10
16	3.40	2.60	1.73	6.80	6.00	4.80	3.40	6.00	4.80	3.40
18	4.00	3.00	1.98	7.90	6.80	5.60	4.00	6.80	5.60	4.00
18	4.30	3.20	2.10	8.60	7.50	6.10	4.30	7.50	6.10	4.30
20	4.90	3.70	2.40	9.80	8.40	6.90	4.90	8.40	6.90	4.90
20	5.40	4.00	2.70	10.80	9.30	7.60	5.40	9.30	7.60	5.40
22	5.90	4.40	3.00	11.80	10.20	8.30	5.90	10.20	8.30	5.90
22	6.50	4.90	3.20	13.00	11.60	9.20	6.50	11.30	9.20	6.50
24	7.00	5.30	3.50	14.10	12.20	9.90	7.00	12.20	9.90	7.00
24	7.70	5.80	3.80	15.40	13.40	10.90	7.70	13.40	10.90	7.70
26	8.30	6.20	4.10	16.50	14.30	11.60	8.30	14.30	11.60	8.30
26	9.10	6.80	4.50	18.20	15.80	12.80	9.10	15.80	12.80	9.10
28	9.60	7.20	4.80	19.10	16.60	13.50	9.60	16.60	13.50	9.60
28	10.50	7.90	5.30	21.00	18.30	14.90	10.50	18.30	14.90	10.50
32	12.50	9.40	6.30	25.00	22.00	17.60	12.50	22.00	17.60	12.50
32	13.80	10.30	6.90	27.60	23.90	19.50	13.80	23.90	19.50	13.80

WIRE ROPE SLINGS

ANDROMEDA INDUSTRIES

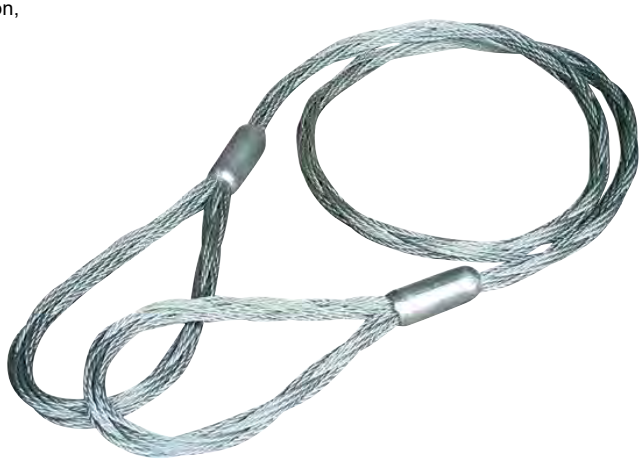
SUPERFLEX SLINGS

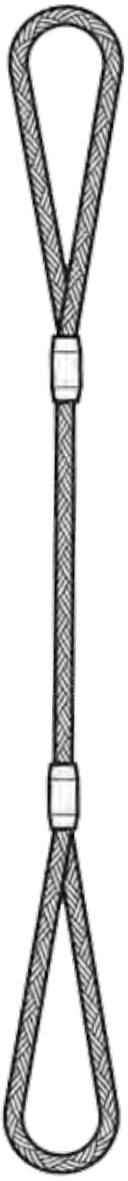
Superflex slings are made of Superflex Cable, which is a plaited configuration, not laid or twisted like wire rope. The interplaiting of the sets of strands creates a tough set-resistant cable composed of many wires.

FEATURES AND BENEFITS

- Australian made cable and slings since 1972
- Highly flexible steel slings and strops comprising of 912 individual wires
- Extremely tough and set resistant cable to cover any lifting application
- Lifting capacity from 1.0t up to 168.0t







SINGLE SLINGS										
BASIC CABLE DETAILS							WLL for various included angles of two, three or four leg slings.			
CABLE SIZE	MIN. BREAKING FORCE (MBF) kN	CABLE NOMINAL DIA. (D) mm	SINGLE FALL WLL	CRADLE LIFT ANGLE <30°	CHOKED ON ROUND LOAD	CHOKED ON RECTANGULAR LOAD WITH EDGE RADIUS > 1.0D	<30°	60°	90°	120°
LOADS IN TONNES										
Two-5	50	10	1.0	2.0	0.7	0.5	2.0	1.7	1.4	1.0
Three-0	75	12	1.5	2.9	1.1	0.8	2.9	2.6	2.1	1.5
Three-5	95	14	1.8	3.5	1.4	0.9	3.5	3.1	2.5	1.8
Four-0	125	16	2.4	4.7	1.8	1.2	4.7	4.2	3.4	2.4
Four-5	157	18	3.0	5.9	2.3	1.5	5.9	5.2	4.2	3.0
Five-0	210	20	4.1	8.0	3.1	2.1	8.0	7.1	5.8	4.1
Five-5	270	22	5.2	10.2	3.9	2.6	10.2	9.0	7.3	5.2
Six-5	345	26	6.7	13.1	5.0	3.4	13.1	11.6	9.4	6.7
Eight-0	530	32	10.3	20.2	7.7	5.2	20.2	17.8	14.5	10.3
Ten-0	790	40	15.3	30.0	11.5	7.7	30.0	26.5	21.6	15.3
Twelve-0	1110	48	21.6	42.1	16.1	10.8	42.1	37.2	30.3	21.5
Fourteen-0	1460	56	28.3	55.5	21.2	14.2	55.5	49.0	39.9	28.3
Seventeen-0	2168	68	42.1	82.5	31.6	21.1	82.5	72.8	59.4	42.1
Twenty-0	3015	80	58.5	114.7	43.9	29.3	114.7	101.2	82.5	58.5
TwentyFour-0	4340	96	84.3	165.2	63.2	42.1	165.2	145.8	118.9	84.3
Loading factors for various **configurations based on the** single fall WLL			1.0	1.96	0.75	0.5	1.96	1.73	1.41	1.0

ANDROMEDA INDUSTRIES

FEATURES AND BENEFITS

- Designed to choke onto and safely lift poles and piles, steel bars, drill rods and bundles of tube
- Very versatile slings with great gripping power
- Various versions are available

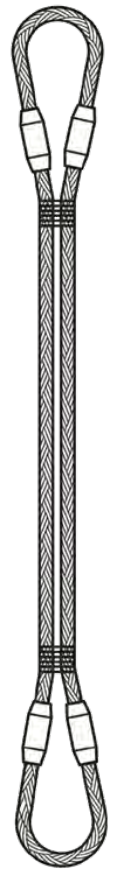
SINGLE ENDED STROPS

BASIC CABLE DETAILS			STROP TERMINATED ONE END ONLY (VERY SLIM ONE END, EASY FITTING IN TIGHT PLACES)						
CABLE SIZE	MIN. BREAKING FORCE (MBF) kN	CABLE NOMINAL DIA. (D) mm	SINGLE FALL WLL	<30°	60°	90°	120°	CHOKED ON ROUND LOAD	CHOKED ON SQUARE LOAD
			LOADS IN TONNES						
Two-5	50	10	1.5	2.9	2.6	2.1	1.5	1.1	0.8
Three-0	75	12	2.3	4.5	4.0	3.2	2.3	1.7	1.1
Three-5	95	14	2.7	5.3	4.7	3.8	2.7	2.0	1.4
Four-0	125	16	3.6	7.1	6.2	5.1	3.6	2.7	1.8
Four-5	157	18	4.5	8.8	7.8	6.3	4.5	3.4	2.3
Five-0	210	20	6.1	11.9	10.5	8.6	6.1	4.6	3.0
Five-5	270	22	7.8	15.3	13.5	11.0	7.8	5.9	3.9
Six-5	345	26	10.0	19.6	17.3	14.1	10.0	7.5	5.0
Eight-0	530	32	15.4	30.2	26.6	21.7	15.4	11.6	7.7
Ten-0	790	40	23.0	45.0	39.8	32.4	23.0	17.3	11.5
Twelve-0	1110	48	32.4	63.5	56.0	45.7	32.4	24.3	16.2
Fourteen-0	1460	56	42.5	83.3	73.5	59.9	42.5	31.9	21.3
Seventeen-0	2168	68	63.1	123.7	109.2	89.0	63.1	47.3	31.6
Twenty-0	3015	80	87.8	172.1	151.9	123.8	87.8	65.8	43.9
TwentyFour-0	4340	96	126.5	247.9	218.8	178.4	126.5	94.9	63.3
Loading factors for the various configurations based on the single fall WLL			1.0	1.96	1.73	1.41	1.0	0.75	0.50



DOUBLE ENDED STROPS

BASIC CABLE DETAILS			STROP TERMINATED BOTH ENDS						
CABLE SIZE	MIN. BREAKING FORCE (MBF) kN	CABLE NOMINAL DIA. (D) mm	SINGLE FALL WLL	<30°	60°	90°	120°	CHOKED ON ROUND LOAD	CHOKED ON SQUARE LOAD
			LOADS IN TONNES						
Two-5	50	10	2.0	3.9	3.5	2.8	2.0	1.5	1.0
Three-0	75	12	3.0	5.9	5.2	4.2	3.0	2.3	1.5
Three-5	95	14	3.6	7.1	6.2	5.1	3.6	2.7	1.8
Four-0	125	16	4.8	9.4	8.3	6.8	4.8	3.6	2.4
Four-5	157	18	6.0	11.8	10.4	8.5	6.0	4.5	3.0
Five-0	210	20	8.2	16.1	14.2	11.6	8.2	6.2	4.1
Five-5	270	22	10.4	20.4	18.0	14.7	10.4	7.8	5.2
Six-5	345	26	13.4	26.3	23.2	18.9	13.4	10.1	6.7
Eight-0	530	32	20.6	40.4	35.6	29.0	20.6	15.5	10.3
Ten-0	790	40	30.6	60.0	52.9	43.1	30.6	23.0	15.3
Twelve-0	1110	48	43.2	84.7	74.7	60.9	43.2	32.4	21.6
Fourteen-0	1460	56	56.6	110.9	97.9	79.8	56.6	42.5	28.3
Seventeen-0	2168	68	84.2	165.0	145.7	118.7	84.2	63.2	42.1
Twenty-0	3015	80	117.0	229.3	202.4	165.0	117.0	87.8	58.5
TwentyFour-0	4340	96	168.6	330.5	291.7	237.7	168.6	126.45	84.3
Loading factors for the various configurations based on the single fall WLL			1.0	1.96	1.73	1.41	1.0	0.75	0.50



ANDROMEDA INDUSTRIES



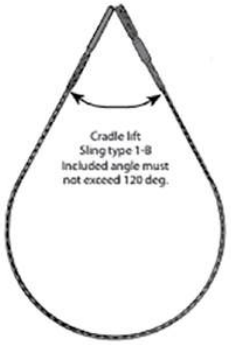
FLAT WOVEN SLINGS - CRADLE LIFT

FEATURES AND BENEFITS

- Heavy duty, specifically designed cradle lift sling
- Various end terminations to suit various applications
- Designed for general lifting purposes requiring reduced contact pressure
- Sizes available up to 250mm nominal width
- Protective covering available upon request

STANDARDS
AS1666.1

SIZE	WOVEN FLAT CABLE					SLING WLL IN TONNES			
NOMINAL SIZE OF SLING = WIDTH (mm)	24 PLY WARP, FINE CORDS, 2 PLY WEFT, FINE CORDS					CRADLE LIFT INCLUDED ANGLE AT THE HOOK			PROOF LOAD
	FLAT CABLE THICKNESS (mm)	GENERIC CORD SIZE (mm)	WEIGTH (kg/m)	WOVEN JACKET NOM. DIA	WLL IN SINGLE FALL (kN)	< 30 DEG	60 DEG	120 DEG	STRAIGHT PULL IN SINGLE FALL (kN)
50	5	2.0	0.4	32	10.2	1.9	1.7	1.0	20.4
64	7	2.5	0.6	38	16.0	3.0	2.7	1.6	32.0
76	8	3.0	1.0	52	23.8	4.5	4.0	2.3	47.6
88	10	3.5	1.3	62	31.6	6.0	5.3	3.1	63.2
100	11	4.0	1.6	70	42.5	8.1	7.1	4.1	85.0
112	12	4.5	2.1	76	53.4	10	9.0	5.2	107
125	14	5.0	2.7	102	71.4	13	12	7.0	143
160	17	6.5	4.3	120	114	21	19	11	228
200	20	8.0	6.9	150	170	32	28	17	340
250	25	10.0	10.3	170	255	48	43	25	510



FLAT WOVEN SLINGS - CHOKER LIFT

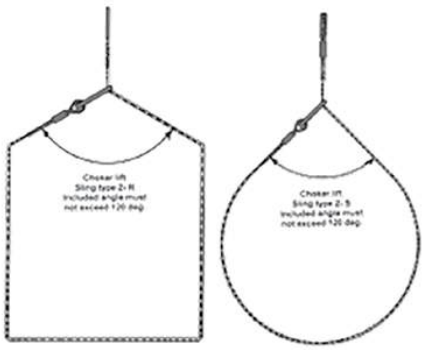
FEATURES AND BENEFITS

- Specifically designed choker lift sling
- Provides a thin working end for sliding easily under loads
- Various handmade slings available upon request
- Other sizes available up to 250mm nominal width
- Protective covering available upon request

STANDARDS
AS1666.1

SIZE	WOVEN FLAT CABLE					SLINGS		
NOMINAL SIZE OF SLING = WIDTH (mm)	24 PLY WARP, FINE CORDS, 2 PLY WEFT, FINE CORDS					WLL IN TONNES	WLL	PROOF LOAD
	FLAT CABLE THICKNESS (mm)	GENERIC CORD SIZE (mm)	WEIGTH (kg/m)	WOVEN JACKET NOM. DIA	WLL IN SINGLE FALL (kN)	CHOKED ON ROUND LOAD	CHOKED ON SQUARE LOAD	STRAIGHT PULL IN SINGLE FALL (kN)
50	5	2.0	0.4	32	10.2	0.7	0.5	20.4
64	7	2.5	0.6	38	16.0	1.2	0.8	32.0
76	8	3.0	1.0	52	23.8	1.7	1.1	47.6
88	10	3.5	1.3	62	31.6	2.3	1.5	63.2
100	11	4.0	1.6	70	42.5	3.1	2.0	85.0
112	12	4.5	2.1	76	53.4	3.8	2.6	107
125	14	5.0	2.7	102	71.4	5.1	3.4	143
160	17	6.5	4.3	120	114	8.2	5.5	228
200	20	8.0	6.9	150	170	12	8.2	340
250	25	10.0	10.3	170	255	18	12	510





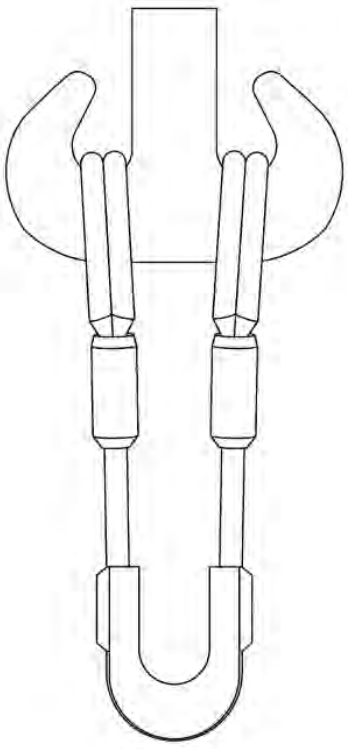
ANDROMEDA INDUSTRIES

DEAN-O SLING

FEATURES AND BENEFITS

- Purposely designed to provide a single lifting point under Ramshorn Hooks on large cranes
- Enables a single point load to be attached maintaining centreline loading
- Available in different capacities with a WLL of 11 tonne up to 165 tonne
- Suitable Master Links can be fitted into and removed as required







WIRE ROPE GRIPS

WIRE ROPE GRIPS HOT DIPPED GALVANISED AS2076

Superflex slings are made of Superflex Cable, which is a plaited configuration, not laid or twisted like wire rope. The interplaiting of the sets of strands creates a tough set-resistant cable composed of many wires.

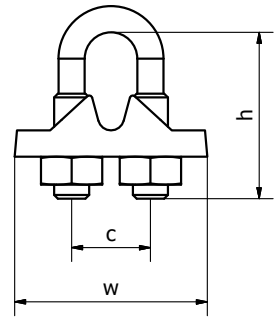
FEATURES

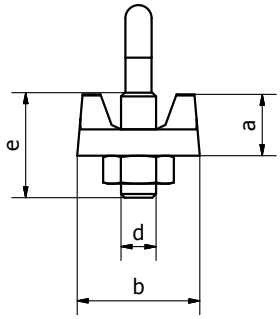
- Marked with AS and size under saddle
- Heavy duty cast steel saddle and hi tensile U-bolt comes with larger nut size for greater tightening force
- Hot dipped galvanized finish on both U-bolt and saddle
- Available to suit 6-38mm

UOM: /EACH

CODE	SIZE (mm)	c (mm)	h (mm)	w (mm)	e (mm)	d (mm)	b (mm)	a (mm)	QTY
303306	6	13	29	28	20	M6	15	13	800
303308	8	18	32	34	22	M8	19	14	400
303310	10	22	40	42	28	M10	23	17	200
303312	12	26	48	50	33	M12	30	30	120
303314	14	28	52	52	33	M12	30	21.5	100
303316	16	34	64	66	44	M16	38	26.5	50
303318	18	36	68	68	44	M16	38	27	50
303320	20	38	72	70	44	M16	38	30	50
303322	22	40	76	72	44	M16	38	31.5	40
303326	26	50	92	90	55	M20	48	37.5	20
303328	28	52	96	92	55	M20	48	39	20
303332	32	56	104	96	55	M20	48	41	20

Not Suitable for Lifting Purposes





COMMERCIAL WIRE ROPE GRIPS IN BUCKET SIZES 3mm - 25mm

FEATURES

- Wire rope grips can be used to form an eye on the end of the rope
- Wire Rope grip bucket sizes 3mm to 25mm
- Electro Galvanised finish
- Commercial Grade

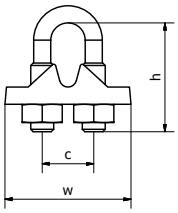
UOM: /EACH

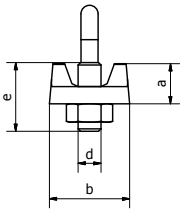
CODE	SIZE (mm)	w (mm)	c (mm)	h (mm)	a (mm)	d (mm)	b (mm)	ROUND BUCKET LITRE	QTY / BUCKET	BUCKET WEIGHT (kg)
301203P	3	19.5	9	17	9.5	4	10.5	0.75	100	0.8
301205P	5	22.5	11	19	10	5	11	0.75	100	1.3
301206P	6	24	13	23	10.5	5	12	0.75	50	0.8
301208P	8	28	15	28	14	6	14	0.75	80	1.4
301210P	10	33	18.5	34	16	8	18	0.75	50	2.7
301213P	13	41	23	45	21	10	22	0.75	20	3.3
301216P	16	49	29.5	52	25	12	25	1	15	2.7
301220P	20	52	32	62	30	12	28	1	10	2.35
301222P	22	61	37	68	34	14	33	1	5	1.4
301225P	25	70	41	78	39	14	34	1	5	1.97

Not Suitable for Lifting Purposes

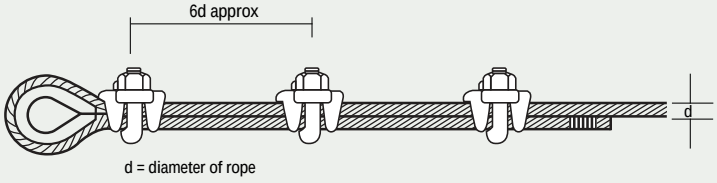








THE RIGHT WAY





BEAVER®

WIRE ROPE THIMBLES HOT DIPPED GALVANISED AS1138

FEATURES

- Used to reinforce the rope eyes and protect the wire rope
- Helps reduce damage and wear to the rope from attachments
- Hot dip galvanised with yellow paint at the tips

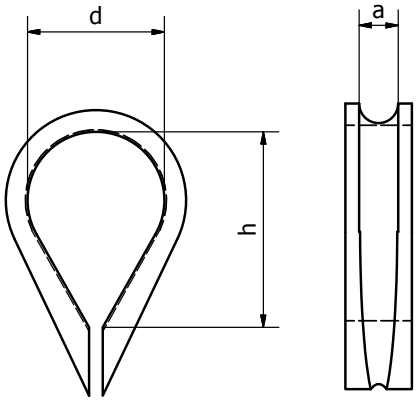
STANDARDS
Complies to AS1138

UOM: /EACH



CODE	SIZE (mm)	A (mm)	D (mm)	H (mm)	PACK QTY
312306	6	7	16	25	750
312308	8	7.9	22	33	500
312310	10	10.3	25	38	300
312311	11	12.7	29	41	250
312313	13	14.3	32	44	200
312314	14	15	32	46	125
312316	16	15.9	41	59	100
312320	20	21.6	52	75	50
312322	22	22.2	57	83	40
312324	24	25.4	64	92	20
312326	26	27	72	108	25
312328	28	28.6	76	112	20
312332	32	33.4	95	133	12
312335	38	38	105	152	10
312345	45	47	127	178	6
312348	48	51	134	190	3

Not Suitable for Lifting Purposes



WIRE ROPE THIMBLES/FERRULES

COMMERCIAL WIRE ROPE THIMBLES

FEATURES

- Commercial Grade
- Galvanised

UOM: /EACH

CODE	SIZE (mm)	PACK QTY
310305	5	1000
310306	6	1000
310308	8	750
310310	10	500
310313	13	300
310316	16	150
310320	20	100
310323	23	50
310325	25	36
310328	28	18
310332	32	16

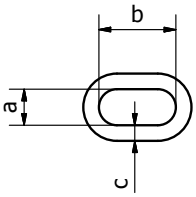
Not Suitable for Lifting Purposes

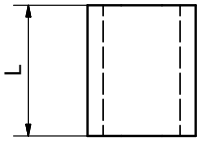


ALUMINIUM FERRULES TO EN13411

FEATURES

- Standard ferrule
- Suitable for machine swaging eyes in galvanised or black wire rope



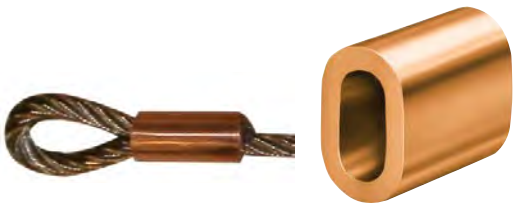




CODE	DIN CODE	a (mm)	b (mm)	c (mm)	L (mm)	PACK QTY
317101A	1.5	1.8	3.6	1.05	6	5000
317102	2	2.2	4.4	0.90	7	5000
317102A	2.5	2.7	5.4	1.05	9	2500
317103	3	3.3	6.6	1.25	11	10000
317103A	3.5	3.8	7.6	1.5	13	5000
317104	4	4.4	8.8	1.7	14	5000
317105	5	5.5	11.0	2.1	18	4000
317106	6	6.6	13.2	2.5	21	2000
317106A	6.5	7.2	14.4	2.7	23	1000
317107	7	7.8	15.6	2.9	25	1000
317108	8	8.8	17.6	3.3	28	1000
317109	9	9.9	19.8	3.7	32	500
317110	10	10.9	21.8	4.1	35	500
317111	11	12.1	24.2	4.5	39	300
317112	12	13.2	26.4	4.9	42	300
317113	13	14.2	28.4	5.4	46	200
317114	14	15.3	30.6	5.8	49	200
317116	16	17.5	35.0	6.7	56	100

CODE	DIN CODE	a (mm)	b (mm)	c (mm)	L (mm)	PACK QTY
317118	18	19.6	39.2	7.6	63	50
317120	20	21.7	43.4	8.4	70	50
317122	22	24.3	48.6	9.2	77	50
317124	24	26.4	52.8	10.0	84	25
317126	26	28.5	57.0	10.9	91	25
317128	28	31.0	62.0	11.7	98	25
317130	30	33.1	66.2	12.5	105	25
317132	32	35.2	70.4	13.4	112	20
317134	34	37.8	75.6	14.2	119	10
317136	36	39.8	79.6	15	126	10
317138	38	41.9	83.8	15.8	133	10
317140	40	44.0	88.0	16.6	140	10
317142	42	45.0	90.0	17.4	147	10
317146	46	49.0	98.0	19	161	1
317152	52	57.2	114.4	21.6	182	1
317156	56	61.6	123.2	23.3	196	1

COPPER FERRULES



FEATURES

- Standard ferrule for machine swaging eyes in stainless steel wire rope

CODE	WIRE SIZE (mm)	BORE *1	LENGTH BEFORE SWAGING	BITES PER SLEEVE (MIN)*2
CP-105	1.5	4.9	8	2
CP-115NP	1.6	4.9	8.8	2
CP-115S	1.5	4.9	8.8	2
CP-120	2	4.9	9	2
CP-120NP	2	4.9	9	2
CP-125	2.5	6	10	2
CP-125NP	2.5	6	10	2
CP-130	3	7.3	13	2-3
CP-130NP	3	7.3	13	2-3
CP-130S	3	7.3	13	2-3
CP-140	4	9.1	16	2-3

CODE	WIRE SIZE (mm)	BORE *1	LENGTH BEFORE SWAGING	BITES PER SLEEVE (MIN)*2
CP-140NP	4	9.1	16	2-3
CP-140S	4	9.1	16	2-3
CP-150	5	10.9	18	2-3
CP-150NP	5	10.9	18	2-3
CP-150S	5	10.9	18	2-3
CP-160	6	12.7	20	3
CP-164		12.7	20	3
CP-164NP		12.7	20	3
CP-180	8	17	25	3
CP-180NP	8	17	25	3
CP-199	10	19	27	3

*1 Bore = Dia of cavity in the pressing tool or die used for pressing.
*2 = When using CP Hand Tools.

NICKEL PLATED COPPER HAND SWAGE FERRULES



FEATURES

- Can be swaged in the field using a hand swage too

PRODUCT	DIES MARKED T	DIAMETER AFTER PRESSING		REQUIRED PRESSURE APPROX. (kN)
		(mm)	TOL.	
GTC015	1,5	3,8	0	20
GTC02	2	4	+0,1	30
GTC025	2,5	5	0	45
GTC03	3	6		60
GTC035	3,5	7		80
GTC04	4	8		100
GTC045	4,5	9		125
GTC05	5	10		180
GTC06	6	12	+0,3	210
GTC065	6,5	13	0	250
GTC07	7	14		320
GTC08	8	16		410
GTC09	9	18		500

CODE	DIES MARKED INOX	DIAMETER AFTER PRESSING		REQUIRED PRESSURE APPROX. (kN)
		(mm)	TOL.	
GTC10	10	20	+0,4	600
GTC11	11	22	0	720
GTC12	12	24		850
GTC13	13	26		1000
GTC14	14	28	+0,5	1300
GTC16	16	32	0	1600
GTC18	18	36	+0,6	2000
GTC20	20	40	0	2400
GTC22	22	44		2900
GTC24	24	48	+0.8	3400
GTC26	26	52	0	3900
GTC28	28	56		4500
GTC30	32	64	0	5800

WIRE ROPE THIMBLES/FERRULES

STAINLESS STEEL FERRULES



FEATURES

- For stainless steel single layer wire ropes

CODE	DIES MARKED INOX	DIAMETER AFTER PRESSING		REQUIRED PRESSURE APPROX. (kN)
		(mm)	TOL.	
GTS015	1,5	4,2	+0,15	100
GTS02	2	4,8	0	160
GTS025	2,5	5		200
GTS03	3	6		250
GTS035	3,5	7,8		300
GTS04	4	8		350
GTS045	4,5	9,8		400
GTS05	5	10,8	+0,3	500
GTS06	6	12	0	600
GTS07	7	14		700
GTS08	8	16		850
GTS09	9	18		1000
GTS10	10	20	+0,4	1100

CODE	DIES MARKED INOX	DIAMETER AFTER PRESSING		REQUIRED PRESSURE APPROX. (kN)
		(mm)	TOL.	
GTS11	11	21,3	0	1350
GTS12	12	24		1500
GTS13	13	26		1750
GTS14	14	28	+0,5	2000
GTS16	16	32	0	2500
GTS18	18	36	-0,6	3100
GTS20	20	40	0	3400
GTS22	22	44		3900
GTS24	24	48	+0,8	4500
GTS26	26	52	0	5000
GTS28	28	56		5600
GTS30	30	60		6000

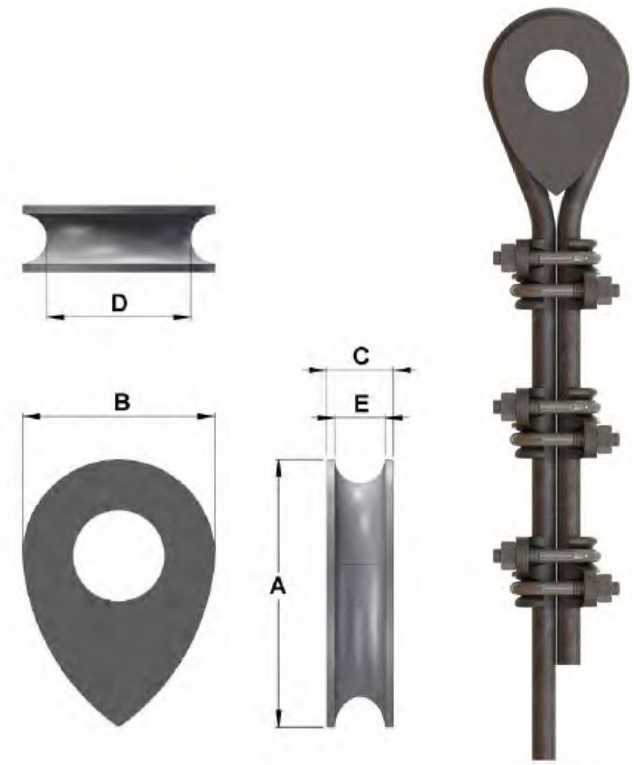
SOLID HEART THIMBLES

FEATURES

- Cast Steel finish
- Available for rope sizes 8mm to 75mm

STANDARDS
Complies to AS1138

CODE	ROPE DIA (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	WEIGHT (kg)
FDT-SHT08	8	48	37	13	27	8	0.2
FDT-SHT10	10	57	46	15	34	10	0.4
FDT-SHT13	11 - 13	83	60	25	46	13	0.6
FDT-SHT16	14 - 16	94	70	28	52	18	0.7
FDT-SHT20	18 - 20	113	75	32	57	21	1.0
FDT-SHT22	22	127	95	33	68	24	1.5
FDT-SHT24	24	142	107	38	77	26	1.8
FDT-SHT26	26	156	117	41	82	28	2.5
FDT-SHT28	28	166	123	42	89	31	3.0
FDT-SHT36	32 - 36	204	151	53	114	39	6.7
FDT-SHT42	38 - 42	231	170	55	125	44	11.4
FDT-SHT44	44	252	186	64	136	47	11.4
FDT-SHT48	48	267	202	65	148	50	12
FDT-SHT54	52 - 54	293	222	73	162	54	20
FDT-SHT58	58	330	245	82	174	61	28
FDT-SHT64	64	374	274	90	198	65	44
FDT-SHT75	70 - 75	405	310	105	223	77	52



TOWNLEY
FORGING AUSTRALIAN QUALITY

OPEN TYPE METALLING SOCKETS

FEATURES

- Manufactured in Australia
- Cast Alloy Steel
- Available for rope sizes 10mm to 70mm
- 100% Magnetic particle inspected in accordance with AS1171
- Ultrasonically tested in accordance with AS2574
- Black self colour

STANDARDS
Manufactured in accordance with BS463 to meet the performance requirements of AS1666 Wire Rope Slings
Complies to AS1171 / AS2574



CODE	ROPE DIA (mm)	A (mm)	B (mm)	C (mm)	D (mm)	H (mm)	J (mm)	K (mm)	L (mm)	M (mm)	O (mm)	WEIGHT (kg)
FDT-OM10	10	51	43	38	30	21	112	16	22	43	38	0.5
FDT-OM13	13	60	52	44	24	22	135	21	29	48	44	0.8
FDT-OM16	16	70	64	50	29	27	159	24	35	56	50	1.1
FDT-OM20	20	76	67	62	33	33	175	29	38	70	64	2
FDT-OM22	22	86	76	70	41	40	197	32	43	78	70	2.5
FDT-OM26	26	105	89	83	49	46	237	38	48	89	86	5
FDT-OM28	28	114	102	92	57	50	262	41	50	94	92	6.5
FDT-OM32	32	133	111	108	64	60	297	48	54	111	105	10
FDT-OM38	36 - 42	152	114	127	70	67	330	57	65	135	127	14
FDT-OM52	44 - 54	195	170	190	100	100	450	90	90	180	175	45
FDT-OM64	58 - 64	240	270	225	120	115	620	105	130	240	230	85
FDT-OM70	70	250	295	230	130	125	670	120	145	260	255	110

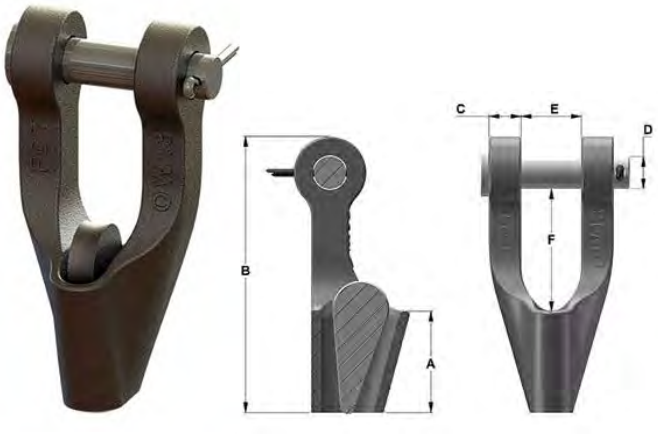
TOWNLEY
FORGING AUSTRALIAN QUALITY

OPEN TYPE WEDGE SOCKETS

FEATURES

- Manufactured in Australia
- Cast Alloy Steel
- Available for rope sizes 8mm – 38mm
- 100% Magnetic particle inspected in accordance with AS1171
- Ultrasonically tested in accordance with AS2574

STANDARDS
Manufactured in accordance with BS463 to meet the performance requirements of AS1666 Wire Rope Slings
Complies to AS1171 / AS2574



CODE	ROPE DIA (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	WEIGHT (kg)
FDT-OW10	8 - 10	60	135	8	16	22	52	1
FDT-OW13	13	75	206	24	24	45	90	4
FDT-OW16	16	85	235	30	33	54	85	5.5
FDT-OW22	20 - 22	110	300	35	36	67	120	8.5
FDT-OW28	26 - 28	135	350	43	42	77	144	18
FDT-OW32	32	200	445	45	56	70	200	26

HEAVY DUTY SNATCH BLOCKS

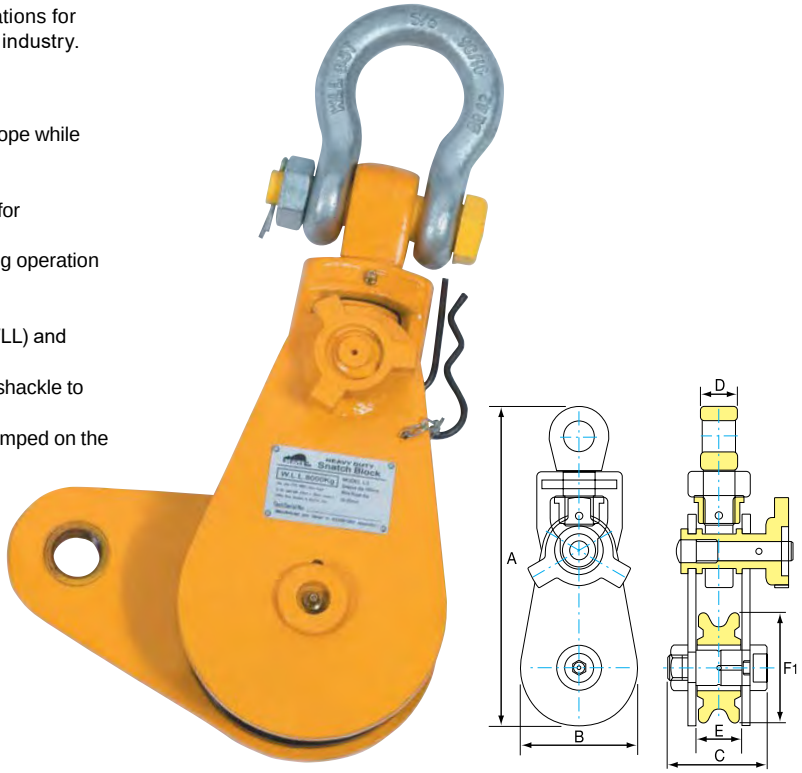
SUPER SNATCH BLOCKS

Beaver's range of Heavy Duty Snatch Blocks offer the best in innovation, safety, reliability and performance with applications for construction mining, offshore exploration and the building industry.

FEATURES AND BENEFITS

- Solid all-steel construction
- Easy opening mechanism ensures a fast change of wire rope while block is suspended
- Fully machined sheave
- Sheave has a sealed ball bearing system, fully lubricated for maintenance free operation
- Forged steel eye is designed to avoid twisting of unit during operation
- Fitted with grease nipples for ease of maintenance
- Special design of side plates restricts rope from jamming
- Operationally tested to 2 times the Working Load Limit (WLL) and come with an individual test certificate
- Each unit is supplied complete with Grade 'S' safety bow shackle to Australian Standard AS 2741
- All snatch blocks have an individual test serial number stamped on the identification plate

STANDARDS
Complies to AS2089



Heavy Duty Snatch Blocks Comply to AS 2089. Supplied with a Grade 'S' Safety Bow Shackle. Shackle Complies to AS 2741.

PRODUCT CODE	WLL (t)	WIRE ROPE DIA. (mm)	SHEAVE DIA. F1 (mm)	DIMENSIONS (mm)					GRADE 'S' SAFETY BOW SHACKLE TO AS 2741	WEIGHT (kg)
				A	B	C	D	E		
557210S	4000 3700	14 12	210	367	220	68	32	32	22 x 25mm	10.5
557275S	8000 6000	18 16	275	518	285	94	40	48	25 x 29mm	28.5
557395S	12000 12000	26 22	395	682	410	133.5	52	63.5	35 x 38mm	61
557420S	15000 15000	28 26	420	725	435	133.5	55	63.5	38 x 41mm	65
557480S	22000 20000	32 28	480	867	500	155	68	70	44 x 51mm	148
557675S	30000	44	675	1146	700	173.5	82	90	51 x 57mm	250

BIGHAUL™ WIRE ROPE HOISTS

A versatile portable and compact creeper winch for pulling, lifting, lowering, spanning, 4WD recovery and securing loads over large distances.



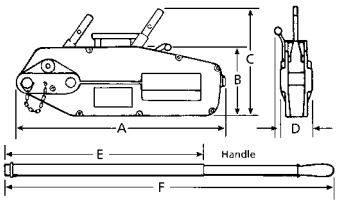
FEATURES AND BENEFITS

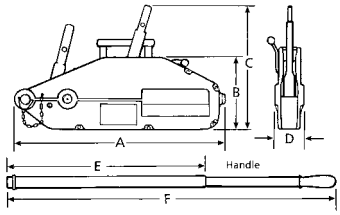
- Lightweight, safe and easy to operate
- Compact, high strength aluminium alloy housing with smooth contour design, a large flat base surface for increased stability in horizontal and vertical working positions
- An overload protection system is built-in with a shear pin in the forward lever which will shear when approximately 25% overloaded. The broken pins can be replaced without removing the load. Spare pins are located in the operating lever for RVBH08 and in the handle for RVBH16 and RVBH32
- Forward and reverse lever placed in tandem, providing a slim compact design for storage and ensuring maximum power transfer
- The rope clamp system is easily disengaged with a lever, allowing smooth installation of the wire rope
- The Big Haul Creeper Winch comes complete with operating lever and 20m of wire rope mounted on a reel for all models. The wire rope is fitted with a safety latch hook at one end and is tapered at the other end for easy insertion into the unit
- The Big Haul Creeper Winch has a parallel clamping system, which has a large surface contact area, providing an evenly distributed grip at a lower force that results in less rope wear. The system offers a longer rope advance and requires less handle pulling effort, thus increasing operator efficiency
- All models are equipped with an anchor bolt, that offers numerous connection possibilities with load hooks, wire rope and chain slings
- All Big Haul Creeper Winches are tested and have individual serial numbers for easy traceability to a test certificate
- Big Haul Creeper Winches are easy to maintain, service and repair

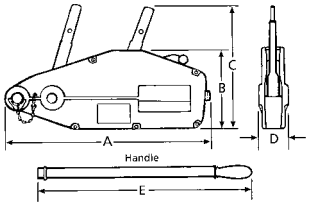
STANDARDS
Complies to AS1418.2

Model BigHaul - C/w 20m of Wire Rope. Compact High Strength Aluminium Alloy Housing

PRODUCT CODE	RATED CAPACITY PULLING (kg)	RATED CAPACITY LIFTING (kg)	WIRE ROPE DIA. (mm)	STD ROPE LENGTH (m)	ROPE ADVANCED PER FULL STROKE CYCLE (mm)	EFFORT ON HANDLE AT RATED LIFTING CAPACITY; FORWARD OPERATION (kN)	NETT WEIGHT WIRE ROPE AND REEL (kg)	NETT WEIGHT WITHOUT WIRE ROPE (kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
518508	1250	800	8.3	20	60	284	7.5	7.5	430	165	230	60	800	N/A
518516	2500	1600	11	20	60	412	12	12	540	190	300	75	790	1200
518532	5000	3200	16	20	40	441	13	13	660	220	330	110	790	1200







GUNNEBO LIFTING

WIRELOCK

Wirelock® is a two pack socket capping compound.



FEATURES

- No heat
- No acid
- No hazardous molten metal
- No long cooling/curing process
- No annealing of wires at socket neck
- No guessing of temperature
- No loss of lubricant at socket neck
- No special storage conditions
- No expensive equipment
- Provides 100% efficiency
- Improves fatigue life
- Is suitable for operation in extremes of temperature
- Is ideal for on site application
- Is approved by Lloyds Register of Shipping and Det Norske Veritas (D.N.V.).

CODE	PACK SIZE (cc)
DWL0100	100
DWL0250	250
DWL0500	500
DWL1000	1,000

Please contact your local Bunzl Safety & Lifting's branch for usage instructions and a product MSDS.

MINIMUM AMOUNT OF WIRELOCK REQUIRED FOR A GIVEN SIZE OF WIRE ROPE SOCKET

WIRE ROPE DIAMETER (mm)	14-16	18-20	22	24-26	28	32-36	38	40	44-48	52	56-60	64	70	76	83	89-92	96	100-104
VOLUME (cc)	52	86	125	160	210	350	420	495	700	1,265	1,410	1,830	2,250	3,160	3,795	4,920	5,980	7,730



WIRE ROPE LANOLIN LUBRICANTS

HEAVY DUTY LIQUID LANOLIN

A lubricant and corrosion inhibitor best suited to marine, heavy industrial and commercial applications.

FEATURES

- Biodegradable. Non toxic, resists wash off
- Penetrates to the core of the rope, whilst also remaining on the outer strands
- Can be easily sprayed on wire rope; also popular for dipping baths, high speed and load bearing chains
- Perfect for wire rope slings and all industrial chains (forklift) - non fling & non webbing
- For long lasting lubrication of moving parts in a highly corrosive environment
- Lubricates & protects pulleys, blocks, swivels, cables & chains.

CODE	DESCRIPTION	CARTON QTY
HD/PP-0400	400g Aerosol	12
HD/SP-0750	750ml Spray Pack	12
HD/0005	5 Litre Jerry Can	4
HD/0020	20 Litre Drum	each



WIRE ROPE LUBE

For wire ropes operating in corrosive environments or above 16mm.

Ideal for use around waterways and coastal environments.

FEATURES

- Semi fluid grease
- Provides long lasting protection
- Formulated for marine cranes
- Acid & salt resistant
- Biodegradable

CODE	DESCRIPTION	CARTON QTY
HW/RL20-Pail	20 Litre Pail	each



TYPE 'A' GREASE

A corrosion and moisture proofing compound made from pure industrial grade lanolin.

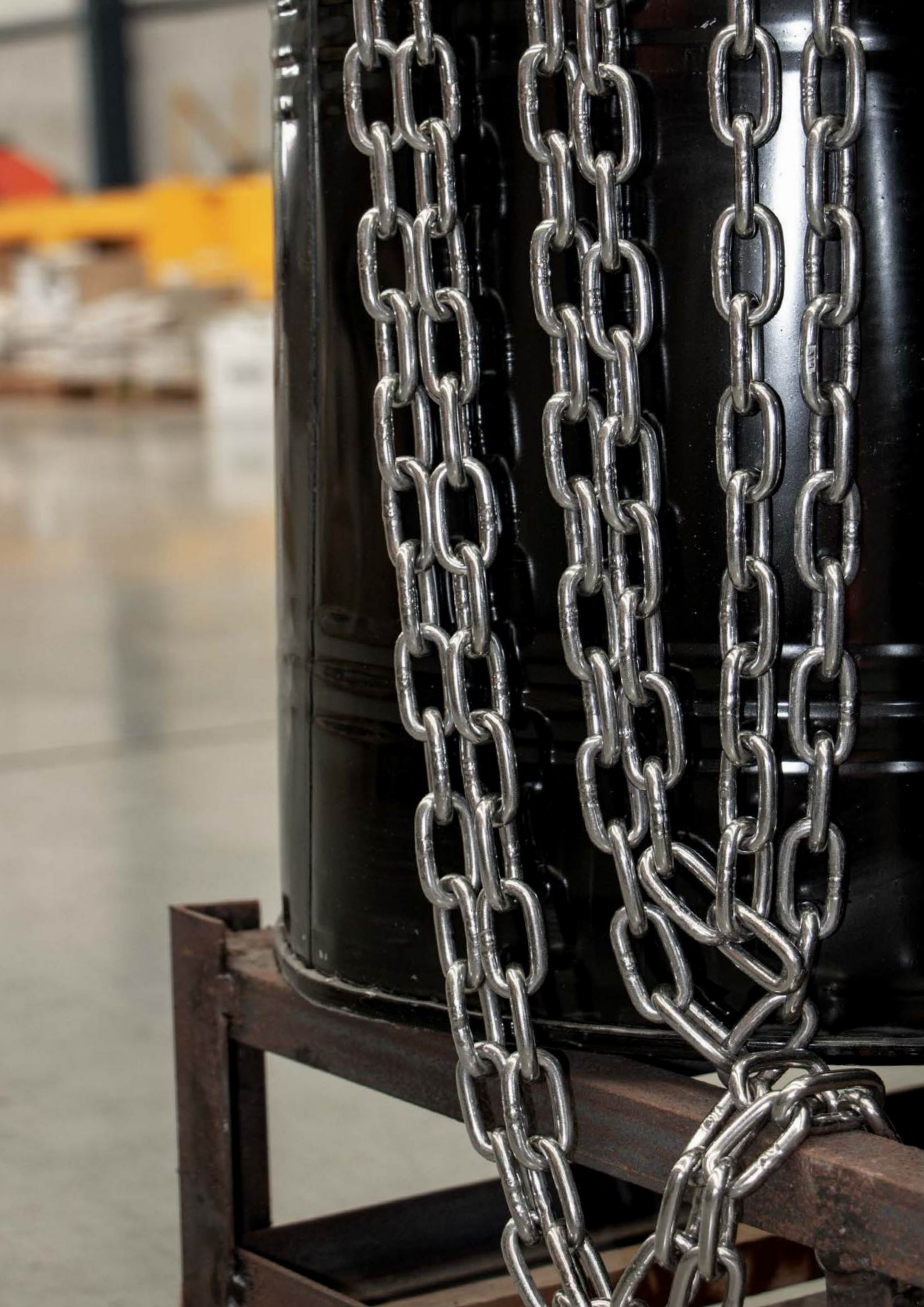
Suitable for offshore & submerged wire ropes

FEATURES

- Can be injected into wire rope with pressurised applicators including Masto & Viper
- Anti-seize for shackles, nuts & bolts
- Biodegradable.

CODE	DESCRIPTION	CARTON QTY
GS/0500	500ml Pail	12
GS/0001	1 litre Pail	each
GS/0004	4 litre Pail	each
GS/0020	20litre Pail	each







STAINLESS STEEL PRODUCTS

4

GRADE 60 LIFTING CHAIN & COMPONENTS	452-457
STAINLESS STEEL WIRE ROPE	458-461
STAINLESS STEEL FERRULES	462
STAINLESS STEEL CHAINS	463
STAINLESS STEEL FITTINGS	464-471

BEAVER®

cromox®

APART FROM BEING AN ATTRACTIVE OPTION, STAINLESS STEEL IS RESISTANT TO CORROSION.

Bunzl Safety & Lifting stocks wire rope and fittings in two common stainless steel grades – Grade 304 and Grade 316.

STAINLESS STEEL

BEING RESISTANT TO CORROSION, STAINLESS STEEL IS LARGELY USED IN CORROSIVE APPLICATIONS, IN PARTICULAR MARINE AND WASTE MANAGEMENT ENVIRONMENTS. IT IS ALSO CONSIDERED AN ATTRACTIVE OPTION, IT IS COMMONLY USED IN OTHER APPLICATIONS INCLUDING DECORATIVE BALUSTRADING.

When working in high corrosive environments it is important to ensure you are using the right products to withstand the harsh conditions.

Stainless steel is generally manufactured from both 304 and 316 grade stainless, sourced from the best manufacturers both locally and overseas.

At Bunzl Safety & Lifting we pride ourselves on supplying only quality and consistent stainless steel products.

304 AND 316 GRADE STAINLESS STEEL

304 Grade stainless steel is considered to be a standard grade. It has excellent resistance to corrosion, however has some limitations in higher corrosive environments.

316 Grade stainless steel, also known as marine grade stainless steel, has a higher corrosion resistance than 304 grade stainless steel and is better in harsher corrosive applications, such as salt water environments.

It is suitable for food and pharmaceutical processing applications and is commonly used on boats, and coastal environments.

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Cromox is a brand of innovative high quality stainless steel lifting products made by Ketten Wälder in Germany.

Cromox offers real advantages in terms of resistance, in particular with respect to aggressive environments.

Cromox stainless steel lifting chain and components are specifically designed for use in water, wastewater and sewerage treatment.

Cromox Grade 60 stainless steel lifting chain is manufactured from 316L and 318LN stainless steel and is available in sizes 5mm – 18mm, with a working load limit (WLL) of 630kg to 8000kg.

CROMOX FEATURES:

- Chain slings made of high tensile stainless steel
- Highest corrosion resistance
- Offers the best surface for cleaning and hygiene
- Clean room approved




cromox
CVG
6-6 A
WALDER CROMOX

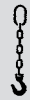
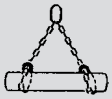
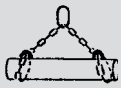
GRADE 60 LIFTING CHAIN & COMPONENTS

Cromox Chain Slings and Accessories from Ketten Wälder provide safety for demanding lifting and heavy-duty transports with superior protection against corrosion in harsh environments and increased longevity. Cromox chain slings are designed in Germany for superior safety and durability.

cromox®

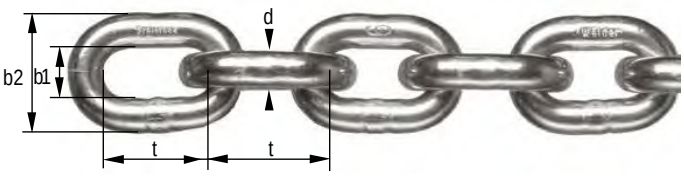
GRADE 60 STAINLESS STEEL CHAIN SLINGS

RING-AND HOOK-ENDED SLINGS SIMILAR DIN 5688-1 GRADE 60

METHOD OF LIFTING ANGLE OF INCLINATION	WILL IN (t)						
	1 LEG		2-LEG, 3-LEG & 4-LEG				
	DIRECT	TIED	DIRECT 60°	DIRECT 90°	TIED 90°	DIRECT 120°	TIED 120°
Nominal chain thickness acc. to DIN 5687							
4	0.40	0.30	0.65	0.55	0.45	0.40	0.30
5	0.63	0.50	1.05	0.85	0.70	0.63	0.50
6	0.90	0.70	1.55	1.25	1.00	0.90	0.70
7	1.25	1.00	2.15	1.75	1.40	1.25	1.00
8	1.55	1.20	2.65	2.15	1.70	1.55	1.20
10	2.45	1.95	4.20	3.45	2.70	2.45	1.95
13	3.85	3.05	6.65	5.40	4.30	3.85	3.05
16	6.00	4.80	10.35	8.40	6.70	6.00	4.80
18	8.00	6.40	13.80	11.20	8.95	8.00	6.40
The above-mentioned working load limits correspond approximately to the following load factors:							
	1.00	0.80	1.73	1.4	1.12	1.00	0.80
The strain must be reduced to 50 % of the W.L.L. for unbalanced lifting.							

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GRADE 60 STAINLESS STEEL LIFTING CHAIN 5mm - 16mm



FEATURES AND BENEFITS

- Suitable for 1 leg & 2 leg chain assemblies
- Electrolytic polished finish provides superior protection in harsh environments
- Highly resistant to corrosion
- Increased longevity
- Made in Germany

STANDARDS
Complies to BRIGHT POLISHED AISI 316L

UOM: /METRE

TYPE	CHAIN WILL	DIMENSIONS (mm)				WEIGHT
	t	d	t	b_1 MIN	b_2 MAX	kg
KW-CK5	0.63	5.0	15.0	6.5	18.5	0.540
KW-CK6	0.90	6.0	18.0	7.8	22.2	0.800
KW-CK7	1.25	7.0	21.0	9.1	25.9	1.100
KW-CK8	1.55	8.0	24.0	10.4	29.6	1.400
KW-CK10	2.45	10.0	30.0	13.0	37.0	2.200
KW-CK13	3.85	13.0	39.0	16.9	48.1	3.800
KW-CK16	6.00	16.0	48.0	20.8	59.2	5.700

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GRADE 60 OBLONG MASTER CAGF SAND BLASTED 10mm - 22mm

FEATURES AND BENEFITS

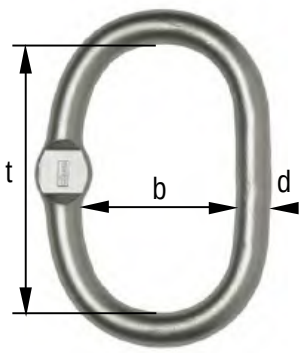
- Suitable for 1 leg & 2 leg chain assemblies
- Highly resistant to corrosion
- Increased longevity
- Grade 60 Stainless Steel
- Made in Germany

STANDARDS
Complies to SAND BLASTED AISI 318LN

UOM: EACH

TYPE	WILL	FOR CHAIN		DIMENSIONS (mm)			WEIGHT
	t	1 LEG	2 LEG 90°	d	t	b	kg
KW-CAGF10	0.63	5	4	10	80	50	0.150
KW-CAGF13	1.55	6/7/8	5/6	13	110	60	0.340
KW-CAGF16	2.45	10	7/8	16	110	60	0.530
KW-CAGF22	6.00	13/16	13	22	160	90	1.500

*Angle of indication 90°



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GRADE 60 SUB-ASSEMBLY CAKF SAND BLASTED 10mm - 26mm

FEATURES AND BENEFITS

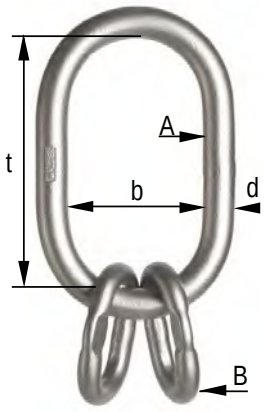
- Suitable for 3 leg & 4 leg chain assemblies
- Increased longevity
- Made in Germany

STANDARDS
Complies to SAND BLASTED AISI 318LN

UOM: EACH

TYPE	WILL		FOR CHAIN	DIMENSIONS (mm)			WEIGHT
	90°	120°		d	t	b	kg
KW-CAKF13/10	1.30	0.90	5	A 13 / B 10	110 / 44	60 / 25	0.520
KW-CAKF16/13	2.65	1.85	6	A 16 / B 13	110 / 54	60 / 25	0.970
KW-CAKF18/16	3.25	2.30	7/8	A 18 / B 16	135 / 70	75 / 34	1.600
KW-CAKF22/16	5.15	3.65	10	A 22 / B 18	160 / 85	90 / 40	2.760
*CAKF26/22	8.15	5.75	13	A 26 / B 22	180 / 115	100 / 50	4.450
*CAKF32/26	12.60	9.00	16	A 32 / B 26	200 / 140	110 / 65	7.550

*On Request.



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GRADE 60 CLEVIS HOOKS CGHF WITH SAFETY LATCH SAND BLASTED 5mm - 10mm

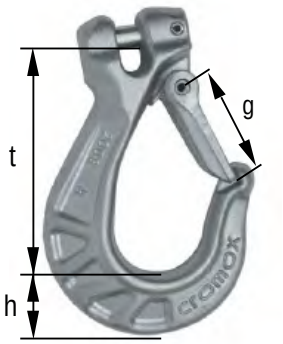
FEATURES AND BENEFITS

- Safety latch to minimise risk of damage

STANDARDS
Complies to SAND BLASTED AISI 318LN

UOM: EACH

TYPE	WILL	DIMENSIONS (mm)			WEIGHT
	t	t	g	h	kg
KW-CGHF 05	0.63	78	25	21	0.400
KW-CGHF 06	0.90	78	25	21	0.400
KW-CGHF07	1.25	98	32	27	0.800
KW-CGHF08	1.55	98	32	27	0.800
KW-CGHF10	2.45	117	40	32	1.500



cromox®

GRADE 60 EYE HOOKS COHF WITH SAFETY LATCH SAND BLASTED 4mm - 18mm

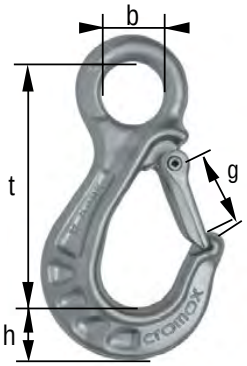
FEATURES AND BENEFITS

- Safety latch to minimise risk of damage

STANDARDS
Complies to SAND BLASTED AISI 318LN

UOM: EACH

TYPE	WILL	DIMENSIONS (mm)				WEIGHT
	t	t	g	b	h	kg
KW-COHF04	0.40	75	20	17	17	0.185
KW-COHF05/06	0.90	100	25	25	22	0.350
KW-COHF07/08	1.55	126	32	27	28	0.790
KW-COHF10	2.45	155	40	37	34	1.370
KW-COHF13	3.85	195	51	48	45	3.000
KW-COHF16	6.00	230	66	55	51	4.800
KW-COHF18	8.00	255	70	65	56	6.400



cromox®

GRADE 60 SELF LOCKING CLEVIS HOOKS CGSL 4/5mm - 13mm

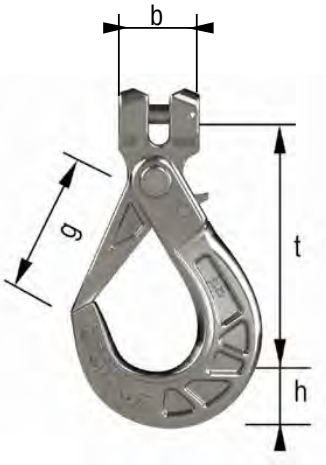
FEATURES AND BENEFITS

- High WLL
- Exchangeable safety mechanism
- Best corrosion resistant
- Grade 60 Stainless Steel Selflocking Hook
- Made in Germany

STANDARDS
Complies to SAND BLASTED AISI 318LN

UOM: EACH

TYPE	WILL	DIMENSIONS (mm)				WEIGHT
	t	t	g	b	h	kg
KW-CGSL 05	0.63	83.5	29	27	19	0.280
KW-CGSL06	0.90	96	33	31.5	22	0.440
KW-CGSL07	1.25	110	37.5	36	25	0.640
KW-CGSL08	1.55	122	42	40	28	0.880
KW-CGSL10	2.45	149	51.5	48.5	34	1.600
KW-CGSL13	3.85	197	68	64.5	45	3.720



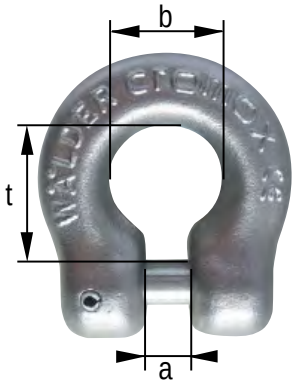
cromox®

GRADE 60 CLEVIS SHACKLES CGS TESTED SAND BLASTED 6mm - 16mm

STANDARDS
Complies to SAND BLASTED AISI 318LN

UOM: EACH

TYPE	WILL	DIMENSIONS (mm)			WEIGHT
	t	t	b	a	kg
KW-CGS06	0.90	26	20	7	0.160
KW-CGS07	1.25	30	23	9	0.230
KW-CGS08	1.55	30	23	9	0.230
KW-CGS10	2.40	40	28	11	0.460
KW-CGS13	3.85	48	38	14	0.675
KW-CGS16	6.00	50	44	17	1.130



cromox®

GRADE 60 CONNECTING LINKS CVG TESTED BLASTED 5mm - 16mm

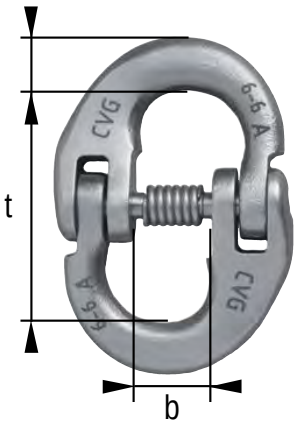
FEATURES AND BENEFITS

- Suitable for lifting in corrosive environments
- Conventional style connecting link to Grade 60 chain
- Suitable for lifting applications
- Grade 60 Stainless Steel Connecting Link
- Made in Germany

STANDARDS
Complies to SAND BLASTED AISI 318LN

UOM: EACH

TYPE	WILL	DIMENSIONS (mm)			WEIGHT
	t	t	b	d	kg
KW-CVG05	0.63	33.6	12.45	6.95	0.045
KW-CVG06	0.90	42	15	7.5	0.085
CVG07	1.25	42	15	9.5	0.090
KW-CVG08	1.55	55	18	11.5	0.150
KW-CVG10	2.45	69	22	14.50	0.310
KW-CVG13	3.85	75	29	15.0	0.515
KW-CVG16	6.00	92	36	18.5	0.980



cromox®

GRADE 60 D-SHACKLES CSA TESTED BRIGHT POLISHED 4mm - 26mm

FEATURES AND BENEFITS

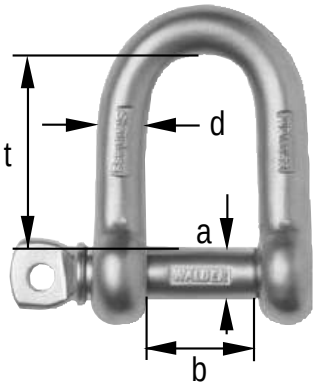
- High strength & versatile
- Suitable for corrosive environments
- Grade 60 Stainless Steel
- Made in Germany

STANDARDS
Complies to AISI 316L

UOM: EACH

TYPE	WILL	DIMENSIONS (mm)				WEIGHT
	t	a	d	t	b	kg
KW-CSA04	0.40	8	6.5	22.5	12	0.036
KW-CSA05	0.63	10	8	26	13.5	0.070
KW-CSA06	0.90	11	10	32	17	0.129
KW-CSA08	1.55	13	11	36.5	19	0.180
KW-CSA10	2.45	19	16	51	27	0.530
KW-CSA13	3.85	22.5	19	60.5	32	0.930
KW-CSA16	6.00	32	29	91	46	2.900
*CSA 18	8.00	35	32	100	51.5	4.150
*CSA 22	11.00	38	35	111	57	6.300
*CSA 26	16.00	51	45.5	146	73	9.100

*Not stocked. Available on Request.



cromox®

GRADE 60 SAFETY SHACKLES CSS TESTED BRIGHT POLISHED 4mm - 13mm

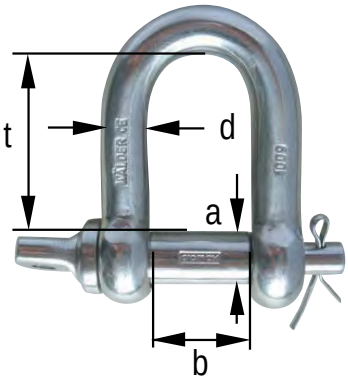
FEATURES AND BENEFITS

- Safety pin to ensure the pin is captured
- High strength & versatile
- Suitable for corrosive environments

STANDARDS
Complies to AISI 316L

UOM: EACH

TYPE	WILL	DIMENSIONS (mm)				WEIGHT
	t	a	d	t	b	kg
KW-CSS04	0.40	8	6.5	22.5	12.0	0.041
KW-CSS05	0.63	10	8	26.0	13.5	0.078
KW-CSS06	0.90	11	10	32.0	17.0	0.136
KW-CSS08	1.55	13	11	36.5	19.0	0.195
KW-CSS10	2.45	19	16	51.0	27.0	0.630
KW-CSS13	3.85	22.5	19	60.5	32.0	1.001



cromox®

GRADE 60 SHORTENERS CVE TESTED SAND BLASTED 5mm - 13mm

FEATURES AND BENEFITS

- Simple handling
- Safety of use through special design
- Repositioned flat section usable in welded and modular systems

STANDARDS
Complies to SAND BLASTED AISI 318LN

UOM: EACH

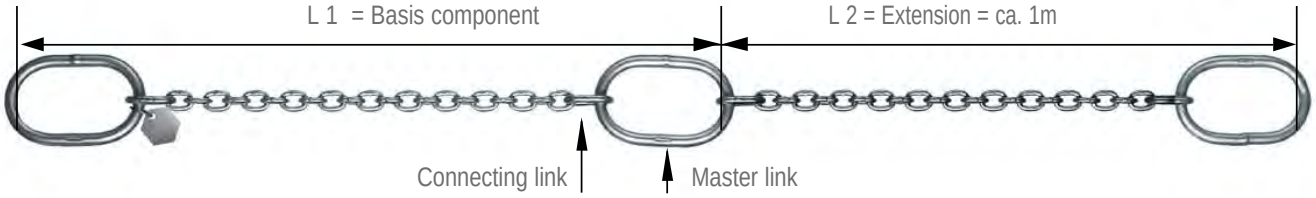


TYPE	WILL	DIMENSIONS (mm)			WEIGHT
	t	d	t	a	kg
CVE05	0.63	24	93	40	0.280
KW-CVE06	0.90	25	112	45	0.455
CVE07	1.25	27	131	53	0.750
KW-CVE08	1.55	28	148	56	1.000
KW-CVE10	2.45	38	187	70	2.000
CVE13	3.85	48	243	91	4.500

STAINLESS GRADE 60 PUMP CHAINS

Cromox pump chains enable safe lifting and lowering of pumps and aeration devices. Accompanied with WLL-tag and certificate. In addition to our standard sizes, we offer customized solutions.

MANY SIZES ALSO AVAILABLE IN DUPLEX!



cromox®

GRADE 60 PUMP CHAINS CPK WELDED TESTED 4mm - 16mm

FEATURES AND BENEFITS

- Versatile heavy duty solutions
- Two-leg system for pumps with two lifting points
- Enables safe lifting & lowering of pumps & aeration devices
- Available in AISI 318LN on request
- Tested & tagged
- Grade 60 Stainless Steel AISI 316L
- 1.5m spacings as standard
- Made in Germany



Fig.: Customised Edition — 2-leg Extension with shackle

STANDARDS
Complies to SIMILAR DIN 5688-1

UOM: EACH

TYPE	WILL	MASTER LINK	CHAIN	JOINING LINK
	(t)	(mm)	(mm)	(mm)
KW-CPK4	0.40	8 x 54 x 30	4 x 16	5 x 22 x 9
KW-CPK5	0.63	10 x 80 x 50	5 x 15	6 x 26 x 13
KW-CPK6	0.90	13 x 110 x 60	6 x 18	8 x 35 x 19
KW-CPK7	1.25	13 x 110 x 60	7 x 21	8 x 35 x 19
KW-CPK8	1.55	13 x 110 x 60	8 x 24	10 x 44 x 25
KW-CPK10	2.45	16 x 110 x 60	10 x 30	13 x 54 x 25
KW-CPK13	3.85	22 x 160 x 90	13 x 39	16 x 70 x 34
KW-CPK16	6.00	22 x 160 x 90	16 x 48	18 x 85 x 40

Standard Spacing ≈ 1.5m centres ; other lengths by request Custom fittings and fabrications available L 1 = Approx 150mm + one additional masterlink

STAINLESS STEEL WIRE ROPES & FITTINGS

STAINLESS STEEL IS MAINLY USED IN CORROSIVE APPLICATIONS, IN PARTICULAR MARINE AND WASTE MANAGEMENT ENVIRONMENTS. OTHER APPLICATIONS INCLUDE DECORATIVE BALUSTRADING AND OUTDOOR USE.

WIRE ROPE

Wire rope is complex and therefore it is critical to determine which configuration is best for a project or application. Consideration needs to be given to the kind of project you are doing and how strong and durable you require your wire rope to be.

Choosing the right wire rope for your application will not only affect performance, but will also effect its' longevity .

BEAVER®

There are three common constructions of stainless steel wire rope used in rigging applications.

7 X 19

The most common and versatile construction of stainless steel wire rope is 7 x 19. It consists of 7 strands each with 19 wires and is the most flexible and easy construction to work with. 7 x 19 can be used in either fixed rigging or for limited working rope applications.

7 X 7

Wire rope is not as flexible as 7 x 19, is 7 x 7 wire rope, it consists of 7 strands each with 7 wires. 7 x 7 is an excellent choice for fixed rigging applications such as balustrading and safety barrier rails.

1 X 19

A single strand wire rope is the 1 x 19, and consists of a single strand with 19 wires. This rope is very stiff and is therefore suitable for fixed “straight line” rigging only (such as mast stays, guy ropes and structural applications).



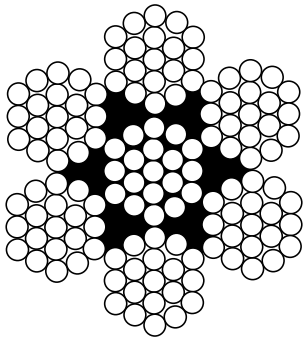
7X19 G304 STAINLESS STEEL RHOL WIRE ROPE

FEATURES AND BENEFITS

- Corrosion resistant
- Excellent flexibility and easy construction to work with
- Suitable for balustrading and rigging applications

UOM: / METRE

CODE	DIA (mm)	CON-STRUCTION	GRADE	FINISH	LAY	MBF (kN)	APPROX. MASS (kg/100m)	METRE / REEL
703016	1.6	7x19	304	Stainless Steel	RHOL	1.49	1.2	305
703020	2	7x19	304	Stainless Steel	RHOL	2.89	1.61	305
703025	2.5	7x19	304	Stainless Steel	RHOL	4.4	2.44	305
703030	3	7x19	304	Stainless Steel	RHOL	6.12	3.52	305
703040	4	7x19	304	Stainless Steel	RHOL	9.27	6.71	305
703050	5	7x19	304	Stainless Steel	RHOL	17.84	9.81	305
703060	6	7x19	304	Stainless Steel	RHOL	25.51	14.21	305
703080	8	7x19	304	Stainless Steel	RHOL	37.07	26.9	305
703100	10	7x19	304	Stainless Steel	RHOL	50.46	39.24	305
703112	12	7x19	304	Stainless Steel	RHOL	90.5	56.44	305
703116	16	7x19	304	Stainless Steel	RHOL	146	100.4	305



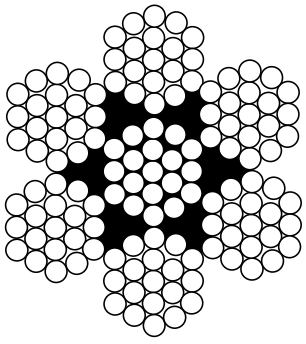
7X19 G316 STAINLESS STEEL RHOL WIRE ROPE

FEATURES AND BENEFITS

- Highest corrosion resistant
- For marine and waste environments
- Suitable for balustrading and rigging applications

UOM: / METRE

CODE	DIA (mm)	CON-STRUCTION	GRADE	FINISH	LAY	MBF (kN)	APPROX. MASS (kg/100m)	METRE / REEL
720016	1.6	7x19	304	Stainless Steel	RHOL	1.9	1.03	305
720025	2.4	7x19	304	Stainless Steel	RHOL	3.64	2.38	305
720030	3.2	7x19	304	Stainless Steel	RHOL	5.24	4.18	305
720040	4	7x19	304	Stainless Steel	RHOL	8.21	6.71	305
720050	5	7x19	304	Stainless Steel	RHOL	11.08	9.5	305
720060	6.4	7x19	304	Stainless Steel	RHOL	21.01	17	305
720080	8	7x19	304	Stainless Steel	RHOL	32.85	26.9	305



STAINLESS STEEL WIRE ROPE

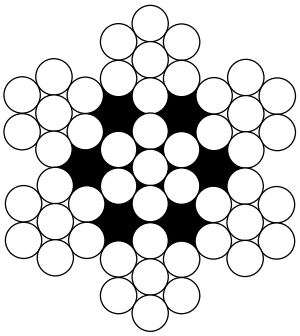
7X7 G304 STAINLESS STEEL RHOL WIRE ROPE

FEATURES AND BENEFITS

- Highest corrosion resistant
- For marine and waste environments
- Suitable for balustrading and rigging applications

UOM: / METRE

CODE	DIA (mm)	CON-STRUCTION	GRADE	FINISH	LAY	MBF (kN)	APPROX. MASS (kg/100m)	METRE / REEL
702012	1.2	7x7	304	Stainless Steel	RHOL	0.9	0.6	305
702015	1.5	7x7	304	Stainless Steel	RHOL	1.87	0.99	305
702016	1.6	7x7	304	Stainless Steel	RHOL	1.61	1.07	305
702020	2	7x7	304	Stainless Steel	RHOL	2.49	1.68	305
702025	2.5	7x7	304	Stainless Steel	RHOL	5.56	2.53	305
702030	3	7x7	304	Stainless Steel	RHOL	6.87	3.65	305
702040	4	7x7	304	Stainless Steel	RHOL	10.01	6.73	305
702050	5	7x7	304	Stainless Steel	RHOL	12.3	10.12	305
702060	6	7x7	304	Stainless Steel	RHOL	23.17	14.75	305
702080	8	7x7	304	Stainless Steel	RHOL	41.2	26.22	305



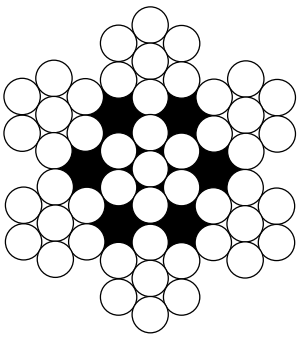
7X7 G316 STAINLESS STEEL RHOL WIRE ROPE

FEATURES AND BENEFITS

- Highest corrosion resistant
- For marine and waste environments
- Suitable for balustrading and rigging applications

UOM: / METRE

CODE	DIA (mm)	CON-STRUCTION	GRADE	FINISH	LAY	MBF (kN)	APPROX. MASS (kg/100m)	METRE / REEL
702116	1.6	7x7	316	Stainless Steel	RHOL	1.89	1.12	305
702120	2	7x7	316	Stainless Steel	RHOL	2.58	1.62	305
702125	2.4	7x7	316	Stainless Steel	RHOL	3.64	2.38	305
702130	3.2	7x7	316	Stainless Steel	RHOL	6.96	4.32	305
702140	4	7x7	316	Stainless Steel	RHOL	9.5	6.48	305
702150	4.8	7x7	316	Stainless Steel	RHOL	14.64	9.84	305
702160	6.4	7x7	316	Stainless Steel	RHOL	25.32	16.37	305
702180	8	7x7	316	Stainless Steel	RHOL	35.6	25.96	305



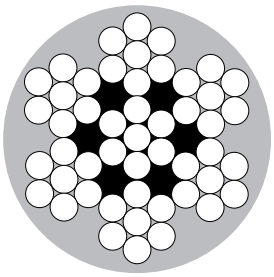
7X7 PVC G304 STAINLESS STEEL RHOL PVC COATED WIRE ROPE

FEATURES AND BENEFITS

- Highest corrosion resistant
- For marine and waste environments
- Suitable for balustrading and rigging applications

UOM: / METRE

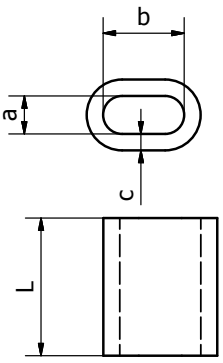
CODE	DIA (mm)	CON-STRUCTION	GRADE	FINISH	PVC	LAY	MBF (kN)	APPROX. MASS (kg/100m)	METRE / REEL
705030	3	7x7	304	Stainless Steel	White	RHOL	10.01	6.6	305
705040	4	7x7	304	Stainless Steel	White	RHOL	10.67	7.5	305
705050	5	7x7	304	Stainless Steel	White	RHOL	16.44	11.65	305





STAINLESS STEEL FERRULES





COPPER FERRULES TO DIN 3093

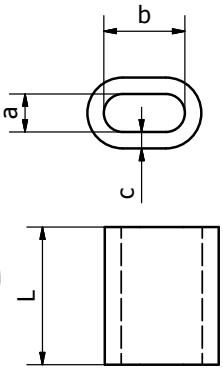
FEATURES AND BENEFITS

- Copper finish provide excellent resistant to rust
- Suitable for machine swaging stainless steel wire rope

UOM: / EACH

CODE	SIZE (mm)	a (mm)	b (mm)	c (mm)	L (mm)	PACK QTY
617402	2	2.2	4.4	0.90	7	10000
617402A	2.5	2.7	5.4	1.05	9	5000
617403	3	3.3	6.6	1.25	11	4000
617403A	3.5	3.8	7.6	1.5	13	3000
617404	4	4.4	8.8	1.7	14	2000
617404A	4.5	4.9	9.8	1.9	16	1000
617405	5	5.5	11.0	2.1	18	500
617406	6	6.6	13.2	2.5	21	500
617406A	6.5	7.2	14.4	2.7	23	500
617407	7	7.8	15.6	2.9	25	500
617408	8	8.8	17.6	3.3	28	200
617409	9	9.9	19.8	3.7	32	100
617410	10	10.9	21.8	4.1	35	100
617411	11	12.1	24.2	4.5	39	100
617412	12	13.2	26.4	4.9	42	100
617413	13	14.2	28.4	5.4	46	100
617414	14	15.3	30.6	5.8	49	100
617416	16	17.5	35.0	6.7	56	50
617418	18	19.6	39.2	7.6	63	25
617420	20	21.7	43.4	8.4	70	20





NICKLE PLATED FERRULES TO DIN 3093

FEATURES AND BENEFITS

- Copper plated provides high quality finish for aesthetics
- Suitable for hand swaging stainless steel wire rope

UOM: / EACH

CODE	SIZE (mm)	a (mm)	b (mm)	c (mm)	L (mm)	PACK QTY
617416NP	1.6	1.8	3.6	1.05	6	100
617402NP	2	2.2	4.4	0.90	7	100
617402ANP	2.5	2.7	5.4	1.05	9	100
617403NP	3	3.3	6.6	1.25	11	100
617404NP	4	4.4	8.8	1.7	14	100
617405NP	5	5.5	11.0	2.1	18	100
617406NP	6	6.6	13.2	2.5	21	100

STAINLESS STEEL CHAIN

MANUFACTURED IN 304 AND 316 GRADE
Not suitable for any lifting or towing applications

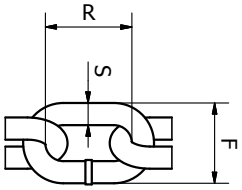
FEATURES AND BENEFITS

- Electro polished finish for architectural use



BEAVER®





GRADE 304 REGULAR LINK STAINLESS STEEL CHAIN

FEATURES AND BENEFITS

- Manufactured from 304 grade stainless
- Highly resistant to corrosion
- Suitable for marine applications

UOM: /METRE

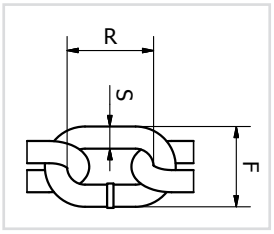
CODE	NOMINAL SIZE (MM)	S (MM)	R (MM)	F (MM)	FINISH	METRES /100KG
147104	4	4	18.6	16	Stainless Steel	384.6
147106	6	6	26	23.5	Stainless Steel	137.3
147108	8	8	32.2	29.5	Stainless Steel	80
147110	10	10	39	36.2	Stainless Steel	49.6

Metres per drum are subject to + or - 10% on actual metreage

NOT TO BE USED FOR LIFTING

BEAVER®





GRADE 316 REGULAR LINK STAINLESS STEEL CHAIN

FEATURES AND BENEFITS

- Manufactured from 316 grade stainless
- Highly resistant to corrosion
- Suitable for marine applications

UOM: /METRE

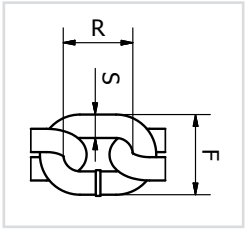
CODE	NOMINAL SIZE (mm)	S (mm)	R (mm)	F (mm)	FINISH	METRES /100kg
146104	4	4	18.6	16	Stainless Steel	384.6
146106	6	6	26	23.5	Stainless Steel	137.3
146108	8	8	32.2	29.5	Stainless Steel	80
146110	10	10	39	36.2	Stainless Steel	49.6
146113	13	13	49.1	46.1	Stainless Steel	28.7

Metres per drum are subject to + or - 10% on actual metreage

NOT TO BE USED FOR LIFTING

BEAVER®





GRADE 316 SHORT LINK STAINLESS STEEL CHAIN

FEATURES AND BENEFITS

- Manufactured from 316 grade stainless
- Highly resistant to corrosion
- Suitable for marine applications

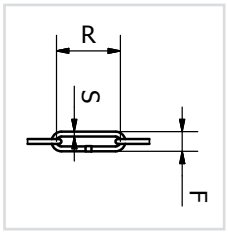
UOM: /METRE

CODE	NOMINAL SIZE (mm)	S (mm)	R (mm)	F (mm)	FINISH	METRES /100kg
146206	6	6	30.5	19.2	Stainless Steel	133.3
146208	8	8	40	25.6	Stainless Steel	74.8

NOT TO BE USED FOR LIFTING

BEAVER®





GRADE 316 LONG LINK STAINLESS STEEL CHAIN

FEATURES AND BENEFITS

- Manufactured from 316 grade stainless
- Highly resistant to corrosion
- Suitable for marine applications

UOM: /METRE

CODE	NOMINAL SIZE (mm)	S (mm)	R (mm)	F (mm)	FINISH	METRES /100kg
146102L	2	2	26	8	Stainless Steel	1639

NOT TO BE USED FOR LIFTING

STAINLESS STEEL FITTINGS

FEATURES AND BENEFITS

- Electro polish finish
- G316 stainless

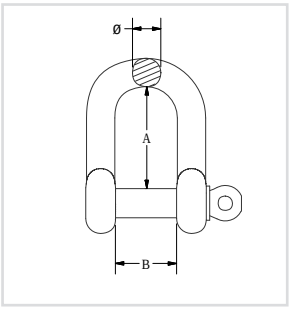
NOT TO BE USED FOR LIFTING

G316 STAINLESS STEEL STANDARD DEE SHACKLE

UOM: EACH

CODE	SIZE (mm)	GRADE	SHAPE	CLOSING METHOD	A (mm)	B (mm)	WEIGHT (kg)	PACK QTY
615405	5	316	Dee	Screw	17	11.3	0.013	500
615406	6	316	Dee	Screw	22	12.3	0.021	400
615408	8	316	Dee	Screw	28.6	17	0.052	120
615410	10	316	Dee	Screw	35	20	0.11	210
615412	12	316	Dee	Screw	45.5	25	0.19	40
615416	16	316	Dee	Screw	56	32	0.37	15



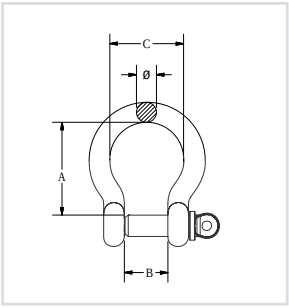


GG316 STAINLESS STEEL STANDARD BOW SHACKLE

UOM: EACH

CODE	SIZE (mm)	GRADE	SHAPE	CLOSING METHOD	A (mm)	B (mm)	C (mm)	WEIGHT (kg)	PACK QTY
615506	6	316	Bow	Screw	31	13	21	0.03	400
615508	8	316	Bow	Screw	36.5	17.5	28	0.06	120
615510	10	316	Bow	Screw	44	21.5	35.5	0.11	70
615512	12	316	Bow	Screw	52.5	27	41	0.22	40





G316 STAINLESS STEEL "D" SHACKLE C/W CAPTIVE PIN

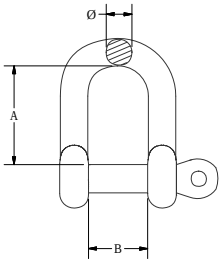


FEATURES AND BENEFITS

- Electro polish finish
- G316 stainless
- Captive pin

UOM: EACH

CODE	SIZE (mm)	GRADE	SHAPE	CLOSING METHOD	A (mm)	B (mm)	WEIGHT (kg)	PACK QTY
615305	5	316	Dee	Screw	17.8	10.4	0.01	500
615306	6	316	Dee	Screw	22.5	13	0.02	400
615308	8	316	Dee	Screw	24.5	17.3	0.05	100
615310	10	316	Dee	Screw	35.6	22.6	0.09	60



G316 STAINLESS STEEL EYE NUTS

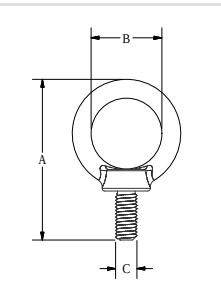


FEATURES AND BENEFITS

- Enables anchoring to a fixed surface
- Marine grade G316 Stainless finish

UOM: EACH

CODE	SIZE (mm)	GRADE	A (mm)	B (mm)	C (mm)	WEIGHT (kg)	PACK QTY
612406	6	316	37.4	16.8	M6	0.01	200
612408	8	316	47	20.6	M8	0.02	200
612410	10	316	60.7	25.6	M10	0.05	100
612412	12	316	72.3	29.7	M12	0.1	100



G316 STAINLESS STEEL EYE NUTS

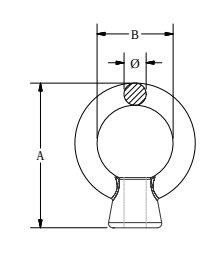


FEATURES AND BENEFITS

- Enables anchoring to a fixed surface
- Marine grade G316 Stainless finish

UOM: EACH

CODE	SIZE (mm)	GRADE	A (mm)	B (mm)	C (mm)	WEIGHT (kg)	PACK QTY
612506	6	316	4.7	31.3	16.3	0.015	200
612508	8	316	5	38.7	21	0.024	200
612510	10	316	7	48.9	25.8	0.05	100
612512	12	316	9.6	59.7	30.3	0.08	100
612516	16	316	12	70.3	35.3	0.18	50



G316 STAINLESS STEEL EYE SCREW

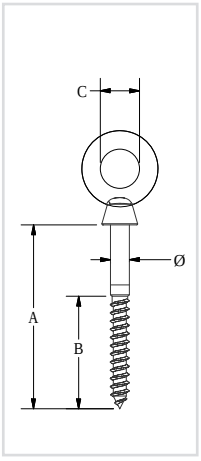
FEATURES AND BENEFITS

- Electro polish finish
- G316 stainless
- Ideal fixture to timber posts for Balustrade

UOM: EACH

CODE	SIZE (mm)	GRADE	DIA Ø (mm)	A (mm)	B (mm)	C (mm)	WEIGHT (kg)	PACK QTY
618060	6x60	316	6	60	36	14	0.027	250
618080	8x80	316	8	81	48	18.4	0.05	200
618010	10x100	316	10	98	60	22	0.12	50
618012	12x120	316	12	122.5	72	27.3	0.2	20





G304 STAINLESS STEEL SQUARE PAD EYE

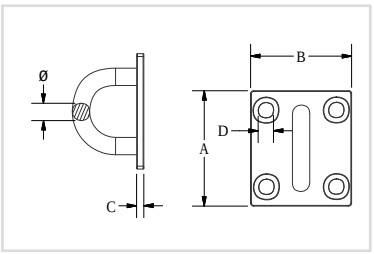
FEATURES AND BENEFITS

- Ideal for balustrade
- Easy fixture point to attach stainless steel fittings
- G304 Stainless finish

UOM: EACH

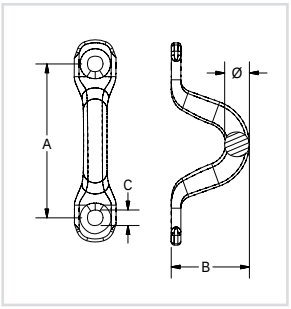
CODE	SIZE (mm)	GRADE	DIA Ø (mm)	A (mm)	B (mm)	C (mm)	D (mm)	WEIGHT (kg)	PACK QTY
616205	5	304	4.1	35	30.6	2.4	5	0.01	200
616206	6	304	5.3	40	40.8	2.5	6	0.03	100
616208	8	304	5.6	50	45.5	3.5	8	0.06	80





G304 STAINLESS STEEL WIRE EYE SADDLES





FEATURES AND BENEFITS

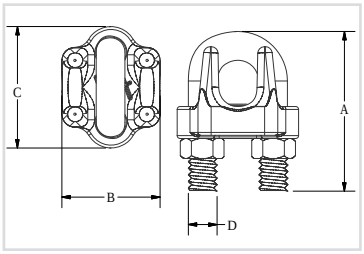
- Ideal for balustrade
- Easy fixture point to attach stainless steel fittings
- G304 Stainless finish

UOM: EACH

CODE	SIZE (mm)	GRADE	A (mm)	B (mm)	C (mm)	WEIGHT (kg)	PACK QTY
617705	5	304	40	18	4.3	0.007	600
617706	6	304	44	22	5.3	0.013	500
617708	8	304	51	23	5.2	0.025	200

G316 STAINLESS STEEL WIRE ROPE GRIPS





FEATURES AND BENEFITS

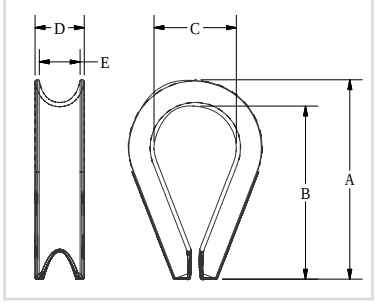
- Designed to grip stainless steel wire rope
- Idea for balustrade applications
- Marine G316 finish

UOM: EACH

CODE	ROPE SIZE (mm)	GRADE	A (mm)	B (mm)	C (mm)	D (mm)	WEIGHT (kg)	PACK QTY
612202	2	316	18	13	15.3	M3	0.01	800
612203	3	316	24.5	14.5	15.8	M4	0.015	800
612204	4	316	24	18	18.5	M4	0.02	500
612205	5	316	29	19.6	23	M5	0.022	300
612206	6	316	31	20.5	26.3	M6	0.03	200
612208	8	316	41	27	33.5	M8	0.08	100
612210	10	316	52	33.8	42.7	M10	0.15	100
612212	12	316	61	37.8	50	M12	0.23	60

G316 STAINLESS STEEL WIRE ROPE THIMBLES





FEATURES AND BENEFITS

- Marine G316 Finish
- Designed to protect wire rope
- Ideal for swaging wire rope eyes

UOM: EACH

CODE	ROPE SIZE (mm)	GRADE	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	WEIGHT (kg)	PACK QTY
612302	2	316	20.6	18	7.5	4.5	3	0.005	1000
612303	3	316	24.3	21	10	6	4.3	0.007	800
612304	4	316	27.8	24.8	11	6.6	5.2	0.008	500
612305	5	316	30.5	26	13	8.5	6.8	0.009	400
612306	6	316	37	32.6	15.5	10	8.8	0.01	250
612308	8	316	51.5	45.5	23	12.5	10	0.02	130
612310	10	316	56.4	50	27	14.6	12	0.03	50
612312	12	316	68	61	32.5	18	14.5	0.05	30

STAINLESS STEEL FITTINGS

STAINLESS STEEL HOOKS & TURNBUCKLES



FEATURES AND BENEFITS

- Tensioning device for wire
- Used in balustrade applications
- Marine G316 Finish and G304 stainless steel finish

NOTE:- NOT SUITABLE FOR LIFTING

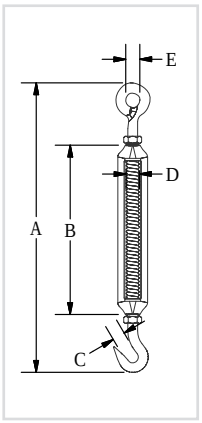
BEAVER®

G316 STAINLESS STEEL HOOK AND EYE TURNBUCKLES WITH LOCK NUTS

UOM: EACH

CODE	THREAD SIZE (mm)	GRADE	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	WEIGHT (kg)	PACK QTY
600404	4	316	110	61.5	9	M4	8	0.02	300
600405	5	316	127.5	71	9.5	M5	10	0.05	150
600406	6	316	163	90.5	9	M6	12	0.08	90
600408	8	316	212	122	10.3	M8	14	0.15	100
600410	10	316	259	151.5	12.5	M10	16	0.29	20





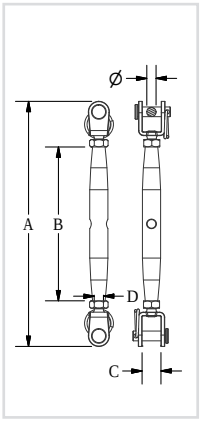
BEAVER®

G316 STAINLESS STEEL JAW AND JAW BOTTLE SCREW

UOM: EACH

CODE	THREAD SIZE (mm)	GRADE	A (mm)	B (mm)	C (mm)	D (mm)	WEIGHT (kg)	PACK QTY
601505	5	316	138	81	10.3	M5	0.04	80
601506	6	316	153	92	10.3	M6	0.07	50
601508	8	316	188	112	11.2	M8	0.15	50
601510	10	316	212	121	15	M10	0.28	50
601512	12	316	266	150	17.5	M12	0.49	30





BEAVER®

G316 STAINLESS STEEL SWAGE EYE END TERMINAL

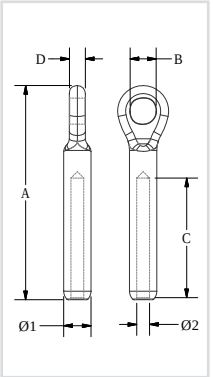
FEATURES AND BENEFITS

- Swage terminal designed for Balustrade
- Machine swaged to stainless wire for slimline appearance

UOM: EACH

CODE	ROPE SIZE (Inches)	ROPE SIZE (mm)	GRADE	DIA (mm)	DIA 2 (mm)	A (mm)	B (mm)	C (mm)	D (mm)	WEIGHT (kg)	PACK QTY
601803	1/8”	3.2	316	6.3	3.5	62.3	6.5	38.7	3.8	0.012	500
601804	5/32”	4	316	7.5	4.3	77	8.5	45	4.9	0.023	300
601805	3/16”	5	316	9	5.3	89	10.6	53.8	5.8	0.035	200
601806	1/4”	6	316	12.5	6.3	106.7	13	63	7.8	0.085	150
601808	5/16”	8	316	16	8.3	135	14.7	81.8	9.9	0.17	100





STAINLESS STEEL HOOKS

FEATURES AND BENEFITS

- Various range of stainless steel products
- Enables easy connection to secure to a fixing point
- Ideal for Balustrade & Architectural applications
- Marine G316 Finish or G304 stainless steel finish

NOTE:- NOT SUITABLE FOR LIFTING

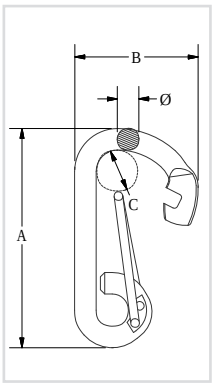
BEAVER®

G316 STAINLESS STEEL ANGLED SPRING HOOKS

UOM: EACH

CODE	ROPE SIZE (mm)	GRADE	A (mm)	B (mm)	C (mm)	WEIGHT (kg)	PACK QTY
616606	6	316	60	34.5	12.5	0.03	500
616608	8	316	80	46	17	0.06	100
616610	10	316	100	55	23.5	0.19	50
616612	12	316	120	72	28	0.23	50





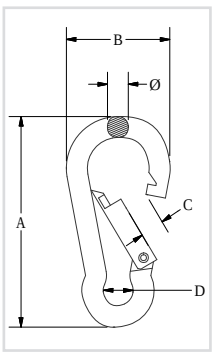
BEAVER®

G316 STAINLESS STEEL CARBINE EYE HOOKS

UOM: EACH

CODE	ROPE SIZE (mm)	GRADE	A (mm)	B (mm)	C (mm)	D (mm)	WEIGHT (kg)	PACK QTY
618304	4	316	42	20	6	5	0.01	500
618204	4.5	316	42	20.5	6	6.5	0.01	600
618305	5	316	50	26.5	7	7.8	0.02	400
618205	5	316	50	26.5	7	8	0.018	500
618306	6	316	60	30	7.5	7.8	0.03	300
618206	6	316	60	30	7.5	8.5	0.028	800
618308	8	316	80	40.5	10	10.8	0.06	100
618208	8	316	80	40.5	10	12	0.055	400
618310	10	316	100	50	12	14	0.15	50
618210	10	316	100	50	12	15	0.145	150
618211	11	316	120	58	16	19	0.18	40
618312	12	316	140	64	21	20	0.24	25





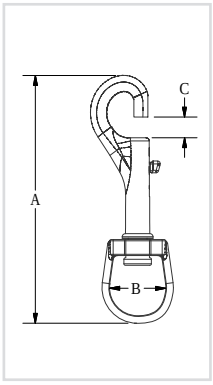


G316 STAINLESS STEEL SWIVEL EYE SNAP HOOK

UOM: EACH

CODE	ROPE SIZE (mm)	GRADE	A (mm)	B (mm)	C (mm)	WEIGHT (kg)	PACK QTY
616995	16	316	90	15.8	12	0.05	140
616996	20	316	93	19	11.3	0.055	100



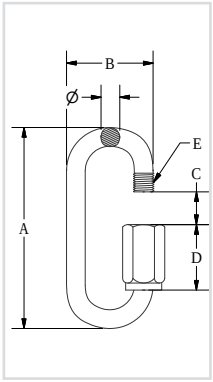


G304 STAINLESS STEEL QUICK LINKS

UOM: EACH

CODE	ROPE SIZE (mm)	GRADE	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	WEIGHT (kg)	PACK QTY
601604	4	316	43	18.5	7	14	4	0.011	300
601605	5	316	52	22.5	8.5	18	5	0.02	300
601606	6	316	61.5	27	9.5	21	6	0.03	200
601608	8	316	77	35.5	11	25	8	0.07	150
601610	10	316	89	42	13.5	28	10	0.14	100





G316 STAINLESS STEEL EYE AND EYE SWIVELS

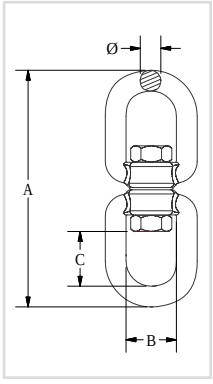
FEATURES AND BENEFITS

- Ideal for Balustrade & Architectural applications
- Versatile swivel connection
- Marine G316 Finish

UOM: EACH

CODE	ROPE SIZE (mm)	GRADE	A (mm)	B (mm)	C (mm)	D (mm)	WEIGHT (kg)	PACK QTY
619106	6	316	66	15	15.5	300	0.05	100
619108	8	316	90	19	21.5	475	0.12	100
619110	10	316	112	23.5	26.5	875	0.21	100
619113	13	316	148	33	33	1250	0.51	50






MOORING SERVICE



FIBRE ROPE 4

WINCHLINE ROPE (UHMWPE)	475-476
HEAVY DUTY RECOVERY STROPS	477-478
SOFT SHACKLES	479
VEHICLE RECOVERY TOW KITS	480
GENERAL PURPOSE FIBRE ROPES	481-485
MOORING ROPE	486
OTHER SYNTHETIC FIBRE ROPES	487

BUNZL SAFETY & LIFTING CARRY AN EXTENSIVE RANGE OF FIBRE ROPES

in both reels and coils to suit all types of applications. From general purpose to high performance, our range includes the latest and best synthetic and natural fibre

FIBRE ROPES

RECENT ADVANCES IN SOME SYNTHETIC FIBRE ROPES MAKE THEM JUST AS STRONG AS STEEL. AS A STEEL WIRE REPLACEMENT, MANY FIBRE ROPES ARE LIGHTER, EASIER TO HANDLE, SAFER AND STRONGER. THEY ALSO DO NOT CORRODE LIKE STEEL.

New advanced rope designs can compensate for the inferior wear characteristics of fibres and take full advantage of the other fibre properties. Some fibre ropes have tension and bending fatigue performance superior to those of wire ropes. The newer forms of fibre ropes are thus ideal for mining, construction and marine applications.

Unlike string, thread, and line (which are single units of fibre material), most ropes are a combination of braided fibres which helps to increase strength. Rope can be made from natural or synthetic fibres. Synthetic rope is more popular than ever these days because of its many advantages.

DIFFERENT TYPES OF FIBRE ROPES

There are many different types of fibre rope available. All with their own advantages and disadvantages, when considering their application, and when compared to wire rope.

SYNTHETIC ROPES

WINCHLINE

Is UHMwPE (Ultra High Molecular Weight Polyethylene) 12 strand rope. It is lighter and stronger than its wire rope equivalent, and highly resistant to abrasion and UV light.

NYLON

Manufactured from nylon fibres, this 8 strand rope is resistant to UV light, chemicals and decay. Provides excellent strength, however elongation is around 40%. It is often used for marine and mooring applications.

POLYPROPYLENE

Polypropylene is 3 strand synthetic rope which is resistant to deterioration in water, oil sunlight and weather. It can however, be easily damaged by abrasion.

POLYESTER

Polyester has high strength and torsion resistance, and its soft to touch structure makes it easy to handle, knot and splice. Polyester ropes do however sink in water.

NATURAL FIBRE ROPES

SISAL

Sisal is made from natural staple fibres which are bio-degradable. It is a relatively cheap rope that is coarse, strong and durable. Chemicals and moisture will affect its longevity. Sisal is often used as tagline and for decorative applications.

MANILLA

Made from hemp which is a 3 strand rope, Manilla is one of the strongest natural fibre ropes. Both abrasion and weather resistant, this low stretch rope is often used for stage rigging and decorative purposes.



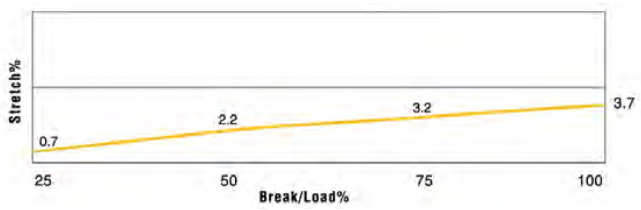
DONAGHYS winchline

STEALTH® UHMWPE 12 STRAND BRAID

Made from high strength UHMwPE (Ultra High Molecular weight Polyethylene) fibres, Donaghys Winchline has a very low elongation of 4% at break, and on a weight for weight basis, is 15 times stronger than steel wire rope.

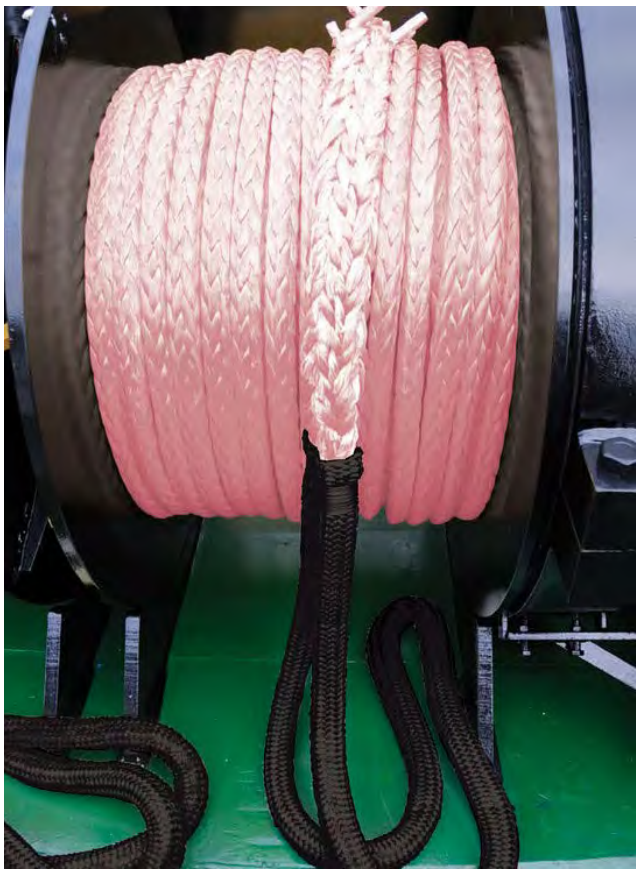
RANGE AVAILABLE: 1 mm to 96mm, sold by the metre.

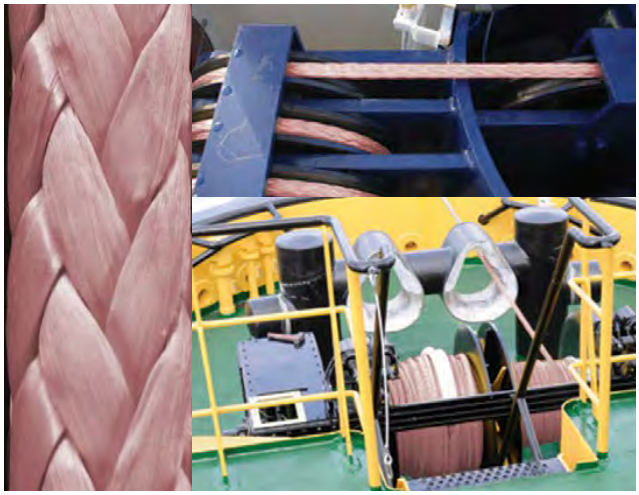
STRETCH VS BREAK LOAD



WINCHLINE TO WIRE ROPE COMPARISON







DONAGHYS PERFORMANCE FIRST

STEALTH® UHMWPE 12 STRAND BRAID

FEATURES AND BENEFITS

- 8 x lighter and 15 times stronger than steel wire rope
- Low stretch, easy to splice and non-rotational
- Unique pink colour for safety
- High UV and chemical resistance
- Floats and will not absorb water
- High internal and external abrasion resistance
- Virtually no recoil in the unlikely event of failure
- Maximum continuous length removes waste factors and enhances hauling/winch line integrities
- High performance abrasion / heat resistant jackets available on request

APPLICATIONS

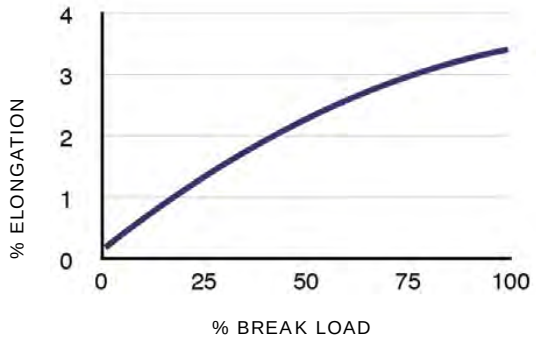
Winch lines, vehicle rescue/recovery, logging, towing line or pulling/stringing lines

CODE	DIAMETER (mm)	BREAK FORCE (t)	MAX. LENGTH APP. (m)	WINCHLINE BREAK FORCE (t)	WINCHLINE WEIGHT / 100m (Kg)	6X36 IWRC WIRE ROPE GRADE: 1960 BREAK FORCE (t)	6X36 IWRC WIRE ROPE WEIGHT / 100m (Kg)
D4BRS09WAM	9	9.3	1025	9.3	4.0	5.8	33.2
D4BRS12WAM	12	17.0	3050	17.0	7.8	10.3	58.8
D4BRS14WAM	14	19.9	2250	19.9	10.5	14.0	80.2
D4BRS16WAM	16	26.1	1720	26.1	12.0	18.3	104.0
D4BRS18WAM	18	34.7	1360	34.7	17.0	23.0	132.0
D4BRS20WAM	20	45.3	1100	45.3	20.0	28.4	163.0
D4BRS22WAM	22	52.2	904	52.2	25.0	34.5	197.0
D4BRS24WAM	24	61.3	760	61.3	29.0	41.0	235.0
D4BRS26WAM	26	72.5	650	72.5	34.0	48.1	276.0
D4BRS32WAM	32	93.9	1189	93.9	52.0	72.9	418.0
D4BRS36WAM	36	118	939	118	60.0	92.2	531.0
D4BRS44WAM	44	174	629	174	81.0	138.0	793.0

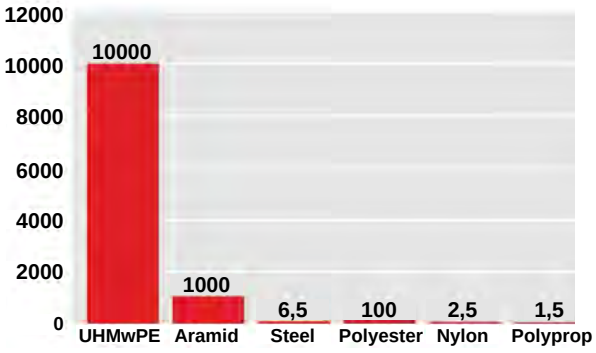
Note: Other sizes available on request.

TECHNICAL

ELONGATION VS BREAK LOAD

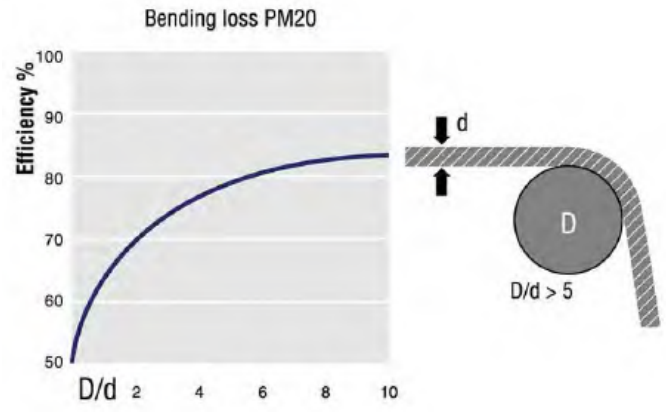


ROPE PROPERTIES; TENSION FATIGUE

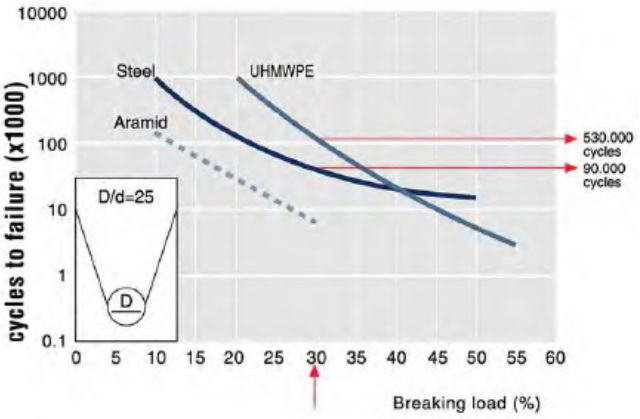


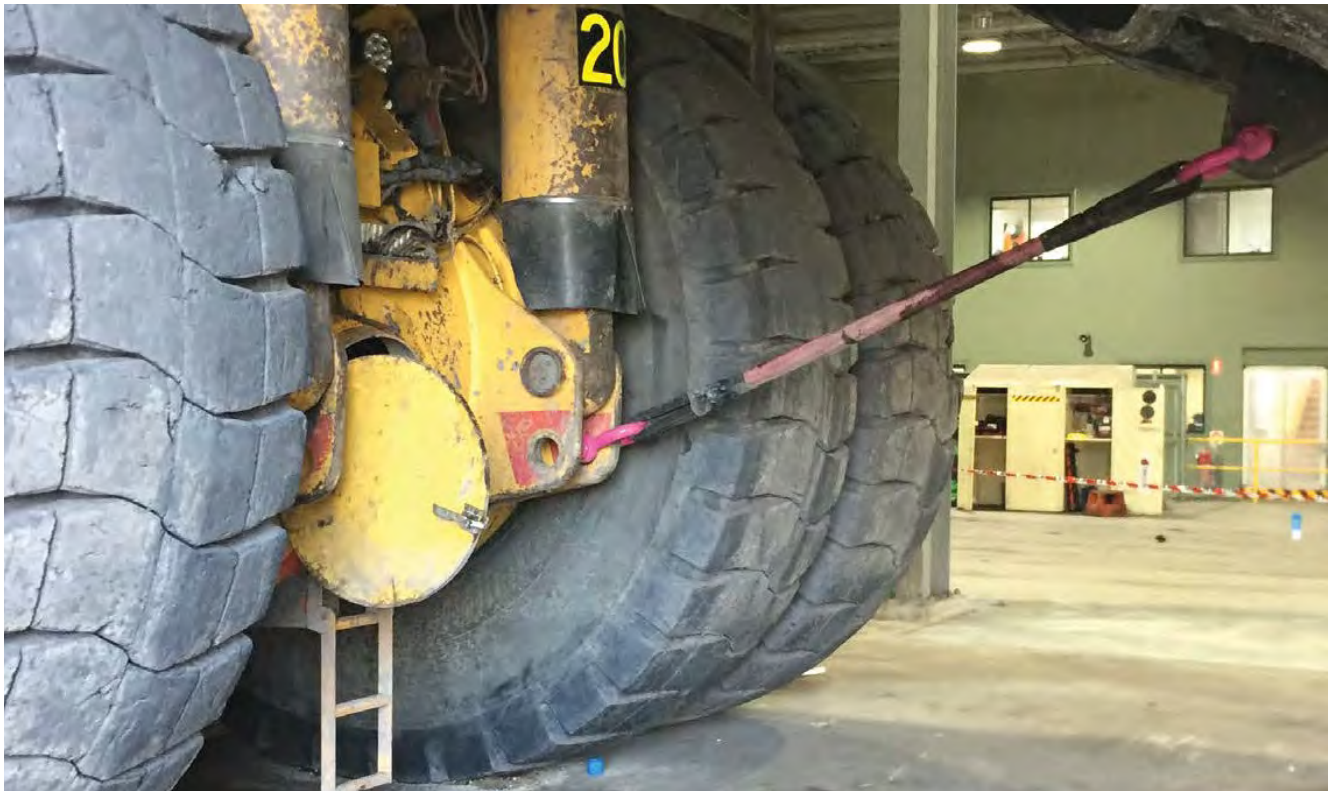
at 50% Minimum Breaking Load = Safe Working load

ROPE PROPERTIES; STATIC BENDING



BENDING FATIGUE





DONAGHYS
PERFORMANCE FIRST

HEAVY DUTY TIGHT 100% FLAT NYLON BRAID BODY & EYES



Extreme strength from Winchline core



Heavy duty nylon braid on body and eyes protects from wear and tear



Traceable ID tags

MONGOOSE RECOVERY STROPS

Mongoose Heavy Duty Tow Strops are 12 strand UHMwPE (Ultra High Molecular weight Polyethylene) tow rope designed for industrial, and light vehicle recovery.

Mongoose Strops come fitted with a heavily protected 200mm soft eye splice in each end and feature a tight heavy duty nylon cover.

FEATURES AND BENEFITS

- Ultra high strength to weight ratio
- Lightweight and flexible to reduce risk of back injuries
- Low elongation & high wear resistance
- Minimal re-coil and kinetic energy at break
- Traceability (durable ID tags)
- Reduced hand injuries (no fish hooking)
- Heavy duty tight 100% flat Nylon Braid cover
- Certified to Tonnage rating

APPLICATIONS

Light and heavy vehicle recovery, 4 x 4 vehicle recovery, vehicle towing

COLOURED PINK FOR SAFETY & EASY TOWING IDENTIFICATION





MONGOOSE BY DONAGHYS

CODE	FINISHED DIAMETER (mm)	BREAK LOAD (t)	LENGTH (m)	WEIGHT OF COMPLETED STROP (Kg)
BRY30T06	32	30	6	4.5
BRY30T10	32	30	10	7.0
BRY30T15	32	30	15	10.5
BRY30T20	32	30	20	14.0
BRY50T01	38	50	1	2.0
BRY50T03	38	50	3	4.0
BRY50T06	38	50	6	6.5
BRY50T10	38	50	10	10.0
BRY50T15	38	50	15	15.0
BRY50T20	38	50	20	20.5
BRY70T01	44	70	1	2.5
BRY70T03	44	70	3	4.5
BRY70T06	44	70	6	7.5
BRY70T10	44	70	10	13.0
BRY70T15	44	70	15	17.0
BRY70T20	44	70	20	28.0
BRY100T6	48	100	6	12.0
BRY100T10	48	100	10	15.5
BRY100T15	48	100	15	29.5
BRY100T20	48	100	20	34.0
BRY150T10	65	150	10	24.0
BRY150T20	65	150	20	47.0
BRY200T15	75	200	15	45.5
BRY300T15	82	300	15	65.0

Note: Other sizes and lengths available on request.

HEAVY DUTY RECOVERY STROPS

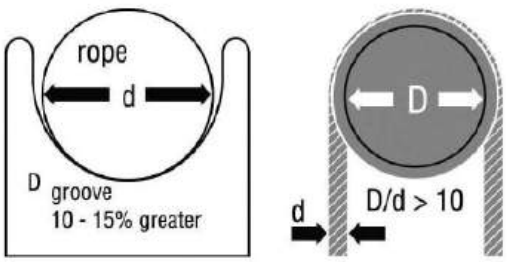
CONSTRUCTION & MINING VEHICLE RECOVERY APPLICATIONS

DONAGHYS PERFORMANCE FIRST

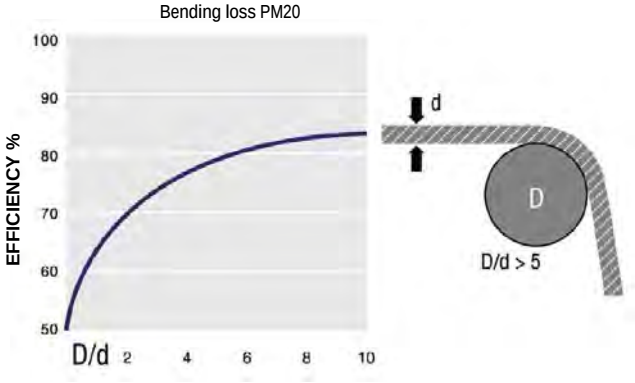
	DISTRESSED VEHICLES - GVW*			HILL OR GRADIENT TOWING - GVW*		
MONGOOSE BREAK FORCE (t)	TOWING FROM GENERAL MUDDY, SLIPPERY CONDITIONS	TOWING FROM MEDIUM BOGGED POSITION IN MUD	TOWING FROM HEAVY TO EXTREME ENTRENCHED POSITION	6° INCLINE (m) GRADIENT OVER 10m DISTANCE (1:10)	10· INCLINE (m) GRAIDENT OVER 6m DISTANCE (1:6)	15° INCLINE (m) GRADIENT OVER 4m DISTANCE (1:4)
30	60	30	20	120	64	41
50	100	50	35	201	106	68
70	140	70	50	281	148	95
100	200	100	70	401	212	135
150	300	150	100	602	318	203
200	400	200	140	803	424	271
250	500	250	170	1004	529	338
300	600	300	200	1204	635	406
350	700	350	245	1405	741	474
400	800	400	280	1606	847	541
450	900	450	315	1807	953	609
500	1000	500	350	2007	1059	676

ROPE PROPERTIES; BENDING FATIGUE

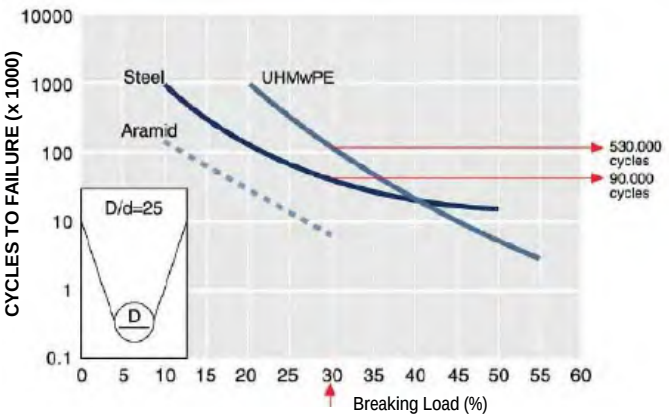
Sheaves should be smooth and clean (no rust)
Groove material can play an important role in life



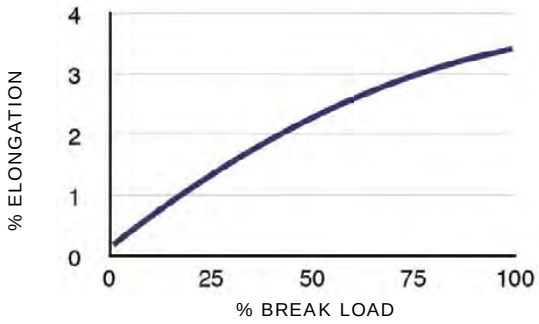
ROPE PROPERTIES; STATIC BENDING



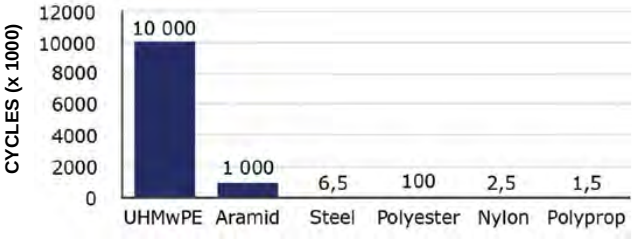
BENDING FATIGUE



ELONGATION VS BREAK LOAD



TENSION FATIGUE





DONAGHYS
PERFORMANCE FIRST

SOFT UHMWPE SHACKLES

12 strand UHMwPE fibre Winchline hand knotted into adjustable soft shackle configuration



FEATURES AND BENEFITS

- HMPE Adjustable Shackle
- Versatile, safe and easy to use
- Perfect replacement for traditional steel rated shackles
- Manufactured to connect strops or slings to vehicles
- Soft, so will not damage of shatter if broken as with steel shackles

APPLICATIONS

Metal Shackle replacement

CODE	DESCRIPTION	WINCHLINE FINISHED SIZE	OPEN MIN. LENGTH	WEIGHT (Kg)	WLL (t) (4:1)
BRS30TSS	Soft Shackle 30T	34mm	1.5m	0.8	7.5
BRS50TSS	Soft Shackle 50T	40mm	1.5m	1.0	12.5
BRS70TSS	Soft Shackle 70T	48mm	1.5m	1.6	17.5
BRS100TSS	Soft Shackle 100T	60mm	1.5m	2.5	25.0
BRS150TSS	Soft Shackle 150T	76mm	1.5mm	4.9	37.5
BRS200TSS	Soft Shackle 200T	88mm	2.0mm	8.4	50.0
BRS250TSS	Soft Shackle 250T	104mm	2.0mm	13.6	62.5
BRS300TSS	Soft Shackle 300T	112mm	2.5mm	18.3	75.0
BRS350TSS	Soft Shackle 350T	120mm	2.5mm	26.5	87.5
BRS400TSS	Soft Shackle 400T	128mm	3.0mm	33.8	100.0
BRS450TSS	Soft Shackle 450T	136mm	3.0mm	39.5	112.5
BRS500TSS	Soft Shackle 500T	144mm	3.0mm	49.0	125.0





FIBRE CHARACTERISTICS

FIBRE : TYPE	DESCRIPTION	SPECIFIC GRAVITY	SENSITIVE TO	RESISTANT TO	HEAT REACTION	STRENGTH & ELONGATION
UHMWPE Ultra High Molecular Weight Polyethylene	Continuous Filament	0.97 g/cm3	Strong oxidising agents, Chlorosulfonic & Nitric acids at high temperatures. Slightly affected by Sodium Hydroxide (pH>14)	Most acids & alkalis, cold alcohols, ethers, esters, ketones & bleaches	Softens 144'C Melts 152'C	Equivalent wet/dry strength ratio. Elongation 4% at Break

VEHICLE RECOVERY TOW KITS

DONAGHYS
PERFORMANCE FIRST



MONGOOSE® VEHICLE RECOVERY TOW KITS 30-150T

FEATURES AND BENEFITS

- Available in 30T, 7OT and 150T options suitable for light, medium or heavy vehicles. Water, environmental or rubbish removal trucks in remote areas
- Can be easily stored in tool boxes or under carriage/trailer compartments or behind the seat for smaller 4WD applications
- Safe and light weight Soft Shackle connects to shackles, D-Rings or dolly pins

APPLICATIONS

Suitable for use in light, medium or heavy applications and new road construction applications.

KIT CONTAINS

Heavy duty protective bag contains 1 x Mongoose® Recovery Strop & 2 x Soft Shackles.



CODE	DESCRIPTION	BAG CONTENTS	STROP LENGTH (m)	APPLICATION	KIT WEIGHT (Kg)
BRY30TRK	Mongoose Recovery Kit Light Vehicle 30T	1 x 30T Strop, 2 x 30T Soft Shackles	6	Light Vehicle	6.8
BRY70TRK	Mongoose Recovery Kit Med Vehicle 70T	1 x 70T Strop, 2 x 70T Soft Shackles	6	Medium Vehicle	8.1
BRY150TRK	Mongoose Recovery Kit Heavy Vehicle 150T	30 1 x 150T Strop, 2 x 150T Soft Shackles	6	Heavy Vehicle	21.9



Light Vehicle Recovery Kit



Medium Vehicle Recovery Kit

CONSTRUCTION & MINING VEHICLE RECOVERY APPLICATIONS GROSS VEHICLE WEIGHT (GVW)

	DISTRESSED VEHICLES - GVW*			HILL OR GRADIENT TOWING - GVW*		
MONGOOSE BREAK FORCE (t)	TOWING FROM GENERAL MUDDY, SLIPPERY CONDITIONS	TOWING FROM MEDIUM BOGGED POSITION IN MUD	TOWING FROM HEAVY TO EXTREME ENTRENCHED POSITION	6° INCLINE (m) GRADIENT OVER 10m DISTANCE (1:10)	11· INCLINE (m) GRAIDENT OVER 6m DISTANCE (1:6)	18° INCLINE (m) GRADIENT OVER 4m DISTANCE {1:4)
30	60	30	20	120	64	41
70	140	70	50	281	148	95
150	300	150	100	602	318	203

* The weight of a vehicle in tow based in Tonnes

FIBRE CHARACTERISTICS

FIBRE : TYPE	DESCRIPTION	SPECIFIC GRAVITY	SENSITIVE TO	RESISTANT TO	HEAT REACTION	STRENGTH & ELONGATION
NYLON (Polyamide)	Continuous Filament	1.14	Strong acids and oxidising agents, soluble in formic, sulphuric acids and phenolic compounds	Alkalis, alcohols, esters, hydrocarbons and most bleaches	Softens 229'C Melts 249'C - 260'C	Elongation Dry 40%. Wet 35%. 90-95% strength ratio weUdry
UHMWPE Ultra High Molecular Weight Polyethylene (UHMWPE)	Continuous Filament	0.97 g/cm3	Strong oxidising agents, Chlo-rosulfonic & Nitric acids at high temperatures. Slightly affected by Sodium Hydroxide (pH>14)	Most acids & alkalis, cold alcohols, ethers, esters, ketones & bleaches	Softens 144'C Melts 152'C	Equivalent weUdry strength ratio. Elongation 4 % at Break

SILVER ROPE

EASILY IDENTIFIABLE 3 STRAND SILVER (POLYETHYLENE) LASHING ROPE BY THE UNIQUE BLACK AND YELLOW EXTERNAL TRACERS IDENTIFYING THE GENUINE BEAVER TRUCKERS' ROPE.

Beaver Silver Rope is made from synthetic polyethylene fibres with a three strand construction. It has medium strength and durability, and a medium to soft lay for easy handling. Fibrillated film produces hairs that protrude from the rope providing excellent knotting and anti-abrasion properties.

It is resistant to oil, petrol, acid, rot, mildew, sunlight and weathering; making this rope suitable for external use. Silver Rope floats and can be stored wet.It is suitable for tying down loads on trucks, trailers and for farm use.





SILVER STAPLE ROPE POLYETHYLENE

FEATURES AND BENEFITS

- 3 Strand - full flanged reels only
- Coloured white

STANDARDS TO AS 4142.2

UOM: COIL

CODE	SIZE (mm)	MIN BREAKING FORCE (kN)	REEL LENGTH (m)
347006A	6	3.69	125
347008A	8	6.1	125
347010A	10	9.26	125
347012A	12	12.4	125
347014A	14	14.1	125

CODE	SIZE (mm)	MIN BREAKING FORCE (kN)	COIL LENGTH (m)
347016A	16	20.8	125
347018A	18	25.4	125
347020A	20	31	125



TRUCKERS' SILVER LASHING ROPE

FEATURES AND BENEFITS

- (3 strand polyethelene - ultra-violet treated) full cartons only
- Z Twist, medium lay - white coil with black & yellow external tracer

STANDARDS TO AS 4142.2

UOM: HANKS

CODE	SIZE (mm)	MIN BREAKING FORCE (kN)	COIL LENGTH (m)	HANKS / CT
347010HC	10	9.26	10	10
347010HD	10	9.26	12	10
347012HD	12	12.4	12	10



SILVER STAPLE ROPE POLYETHYLENE

FEATURES AND BENEFITS

- (3 Strand) tie-down rope for transport
- (Full Coils Only) natural white colour Z twist
- UV treated
- Medium lay

STANDARDS TO AS 4142.2

UOM: COIL

CODE	SIZE (mm)	MIN BREAKING FORCE (kN)	COIL LENGTH (m)
347006	6	3.69	250
347008	8	6.1	250
347010	10	9.26	250
347012	12	12.4	250
347014	14	14.1	250
347016	16	20.8	250
347018	18	25.4	250
347024	24	43.1	250

GENERAL PURPOSE FIBRE ROPES

SISAL ROPE

Beaver Sisal Rope is made from natural staple fibres with a three strand twisted construction. It has exposed fiber ends that provide an ability to hold knots. It is biodegradable, however has a natural resistance to sunlight and weather allowing a reasonably long life in external applications.

FEATURES AND BENEFITS

- (3 Strand - Full Coils Only) natural colour

APPLICATIONS

Ideal for tying down loads on trailers, trucks and for farm use, as well as for camping.

STANDARDS TO AS 4142.2

UOM: COIL

CODE	SIZE (mm)	MIN BREAKING FORCE (kN)	COIL LENGTH (m)
347606	6	2.55	250
347608	8	4.73	250
347610	10	6.22	250
347612	12	9.36	250
347616	16	17.7	250
347618	18	20.1	250
347620	20	27.9	250
347624	24	39.9	250





DONAGHYS
PERFORMANCE FIRST

MANILA ROPE

Superior to Sisal, Manila is the strongest of the natural fibres and results in hard wearing, low stretch, general purpose ropes.

FEATURES AND BENEFITS

- Stronger and softer feel than sisal
- 3 strand rope with good abrasion resistance
- Non conductive & weather resistant
- Low stretch
- Resistant to fungal attack and moisture

APPLICATIONS

Marine, shipping, lifting, capstan ropes, driving ropes, slings, rope ladders, cargo nets, safety nets, block fall ropes.

UOM: COIL

CODE	DIAMETER (mm)	BREAK FORCE (t)	LENGTH (m)	WEIGHT /100m (Kg)
RON0600	6	2.6	250	2.9
RON0800	8	4.8	250	5.5
RON1000	10	6.3	250	6.9
RON1201	12	9.5	250	10.6
RON1400	14	12.8	250	14.2
RON1600	16	18.0	250	19.3
RON1800	18	21.4	250	22.3
RON2000	20	28.4	250	27.9
RON2400	40	40.6	250	40.8



Note: Larger sizes available on request.



DONAGHYS
PERFORMANCE FIRST

NYLON ROPE

Donaghys Nylon Rope is manufactured from nylon fibre, the strongest of conventional man-made fibres.

FEATURES AND BENEFITS

- Good strength and abrasion resistance
- Sinks in water
- Soft feel and easy handling
- Coils and knots well
- High extension and recovery

APPLICATIONS

Slings, forestry ropes, anchor ropes, safety lines, safety nets, car tow rope, mooring lines.

UOM: REEL

CODE	DIAMETER (mm)	BREAK FORCE (t)	LENGTH (m)	WEIGHT /100m (Kg)
ROS0689	6	7.5	100	2.3
ROS0612	6	7.5	250	2.3
ROS08AA	8	13.4	100	4
ROS10AA	10	20.8	100	6.2
ROS1026	10	20.8	250	6.2
ROS1236	12	30.0	100	8.9
ROS1235	12	30.0	250	8.9
ROS14AA	14	41.0	100	12.2
ROS16AD	16	53.0	100	15.8



Note: Other sizes and lengths available on request.





DONAGHYS
PERFORMANCE FIRST

POLYESTER ROPE - BLACK MED LAY

Donaghys Polyester Rope is manufactured from polyester fibre, the second strongest of conventional man-made fibres behind nylon. This rope has good strength, extension, easy handling, coiling and knotting along with excellent abrasion resistance.

FEATURES AND BENEFITS

- Soft feel and easy handling, coiling and knotting
- Low stretch and excellent abrasion resistance
- No strength loss when wet and stretches up to 46% before breaking
- Excellent shock absorption
- Blue internal marker

APPLICATIONS

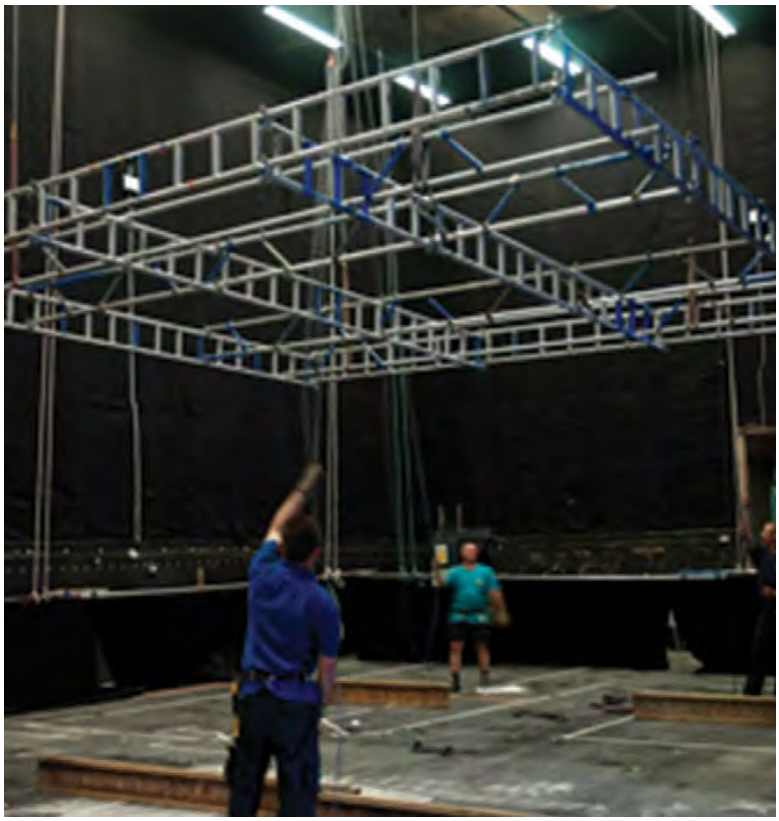
General purpose & industrial, theatrical rigging, mooring/docking line, mast stays, slings, bolt ropes, flat halyards, lifelines & safety lines, hoist ropes, lifting and tying, restraints & lashings.

UOM: REEL

CODE	DIAMETER (mm)	BREAK FORCE (t)	LENGTH (m)	WEIGHT /100m (Kg)
ROS1085	10	16	200	7.6
ROS0612	12	23	200	11
ROS1485	14	32	100	14.8
ROS1685	16	41	100	19.5
ROS1885	18	51	100	24.5
ROS2085	20	63	100	30.3



Note: Soft lay, white and navy options available on request.





DONAGHYS
PERFORMANCE FIRST

TIGER ROPE

Donaghys Tiger mooring lines are made from a blend of compatible Polyethylene (PE) and Polypropylene (PP) fibres, specially processed to produce a multi-plait shipping rope.

FEATURES AND BENEFITS

- 1.8m covered eye splice in each end
- Good abrasion, shock load & kink resistance
- High strength to weight ratio
- UV resistant with excellent weathering properties.
- Excellent splicing
- Floats on water
- DNV-GL certified

APPLICATIONS

Mooring, fishing, heavy industrial, oil exploration, slings, towing, docking & anchoring, fibre rope tails.



UOM: EACH

CODE	DIAMETER (mm)	BREAK FORCE (t)	LENGTH (m)	WEIGHT /100m (Kg)
ROS24TSQ	24	9.9	220	25.9
ROS32TSQ	32	16.8	220	45.9
ROS40TSQ	40	28.0	220	72.0
ROS48TSQ	48	39.5	220	104.0
ROS56TSQ	56	52.0	220	142.0
ROS64TSQ	64	67.5	220	185.0

Note: Other sizes available on request.



DONAGHYS PERFORMANCE FIRST

SUPERFILM ROPE

Superfilm ropes are manufactured from extruded polypropylene film resulting in strong, highly abrasion resistant ropes.

FEATURES AND BENEFITS

- Resistant to oils, petrols, common solvents, bacteria and fungi
- Tough and abrasion resistant
- High strength to weight ratio
- Excellent handling and splicing properties
- Unaffected by water
- UV stabilised with excellent weathering properties.

APPLICATIONS

Marine, construction, mining, trucking, fishing, commercial, petroleum and General industrial



UOM: REEL

CODE	SUPERFILM ROPE	BREAKING FORCE (kN)
ROS04AE	PP Film 4mm x 300m Blue - Reel	2.1
PRP0602	**Superfilm 6mm x 250m Yellow - Reel**	5.9
ROS0605	**Superfilm 6mm x 300m Nickel Green Metal - Reel**	5.9
PRP0800	**Superfilm 8mm x 125m Yellow - Reel**	10.4
PRP1000	**Superfilm 10mm x 125m Yellow - Reel**	15.3
ROS1206	**Superfilm 12mm x 250m Yellow Soft Lay - Coil**	21.7

DONAGHYS PERFORMANCE FIRST

AQUATEC ROPE

Manufactured from a polypropylene/polyethylene crushed mono yarn blend then 3 stranded for higher strength, excellent abrasion resistance and splicing.

FEATURES AND BENEFITS

- Abrasion resistant
- High strength to weight ratio
- Shock load resistant
- Excellent knotting and splicing properties
- Not affected by water and weatherproof

APPLICATIONS

Marine fishing and farm use, ladder and foot ropes, heavy industrial, car tow ropes, truck ropes, slings.

UOM: COIL



CODE	AQUATEC PP/PE CRUSHED MONO ROPE	BREAKING FORCE (kN)
ROS0635	Aquatec 6mm x 250m Green, GLD FLK	6.7
ROS0819	Aquatec 8mm x 250m Green, GLD FLK	11.8
ROS1054	Aquatec 10mm x 250m Green, GLD FLK	17.7
ROS1261	Aquatec 12mm x 250m Green, GLD FLK	26.5
ROS1634	Aquatec 16mm x 250m Green, GLD FLK	44.1
ROS2015	Aquatec 20mm x 250m Green, GLD FLK	67.7
ROS2414	Aquatec 24mm x 250m Green, GLD FLK	97.1
ROS2814	Aquatec28mm x 250m Green, GLD FLK	129.5
ROS3205	Aquatec 32mm x 250m Green, GLD FLK	164.8
ROS4001	Aquatec 40mm x 250m Green, GLD FLK	252.1





LOAD RESTRAINT 5

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GRADE 70 LOADBINDERS	500-502
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GENERAL TRANSPORT ACCESSORIES	506-507

FROM LOADBINDERS AND TRANSPORT CHAIN KITS,

to winches and ratchet tie downs, there is sure to be a product within our range to suit your vehicle and fleet requirements.

LOAD RESTRAINT

BUNZL SAFETY'S RANGE OF TRANSPORT EQUIPMENT HAS BEEN DEVELOPED WITH THE PROFESSIONAL DRIVER IN MIND.

Our high quality, functional range is manufactured and tested to strict Quality Assurance guidelines as well as the required Australian Standards.

From loadbinders and transport chain kits, to winches and ratchet tie downs, there is sure to be a product within our range to suit your vehicle and fleet requirements.

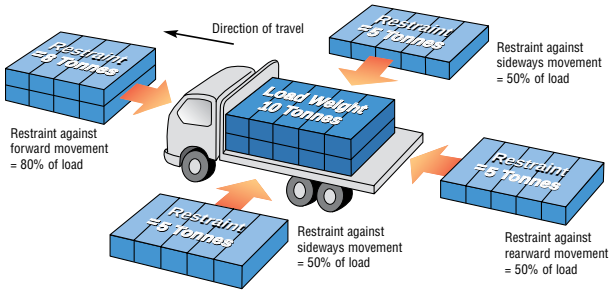


TRANSPORT RESTRAINT

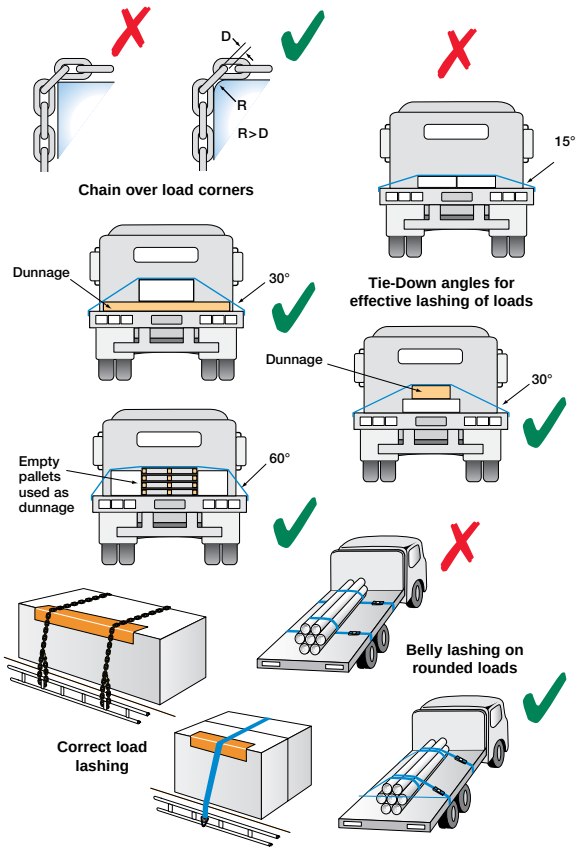
Australian Standards state that lashings must be replaced if they are weakened by 10% or more of their original strength. Therefore all restraint equipment must be inspected regularly and if the components are cracked, broken or worn they must not be used for restraining loads.

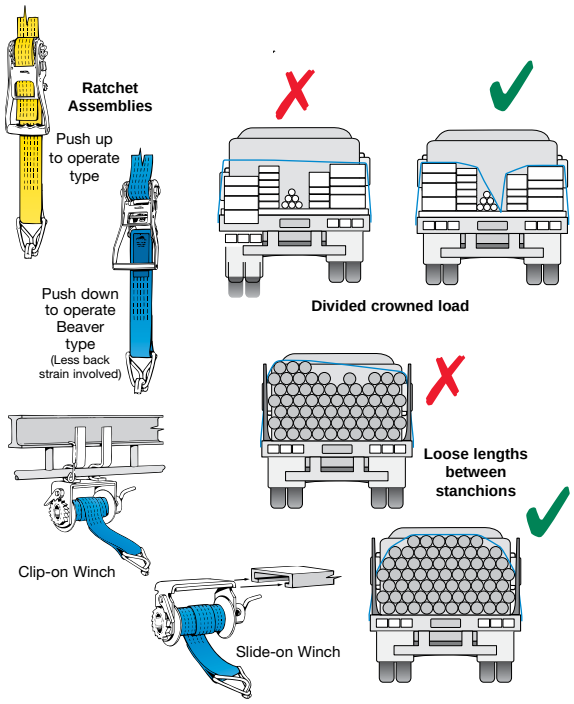
TRANSPORT RESTRAINT PRODUCT INFORMATION

SAFE LOAD RESTRAINT GUIDE



Minimum Horizontal Restraint





RATCHET ASSEMBLIES

RATCHET ASSEMBLY GUIDELINES

- Ratchets with hook and keeper must be fitted correctly, refer to the markings showing the lashing capacity
- Ratchets has a double claw and locking action safety system that prevents it accidentally slipping off the load
- All webbing is treated with polyurethane, to resist grit penetration
- All ratchet assemblies are provided with two protective sleeves
- Reinforced eyes are provided with the hook and keeper to add life to the unit
- Safety and ID labels are sewn into the webbing for traceability with lashing capacity and date of manufacture shown to aid the driver in adhering to his or her OH&S responsibilities

NOT ALL RATCHET TIE-DOWN (RTD) ASSEMBLIES ARE THE SAME!

Our ratchet tie-down (RTD) Assemblies, ranging from 25mm to 100mm, have been developed with the following principles:

SAFETY

All Beaver ratchet assemblies comply with Australian and New Zealand Cargo Restraint System Standards AS/NZS 4380.

QUALITY

Beaver RTD Straps are 100% polyester which is heat set, stretched and polyurethane (p.u.) impregnated. This results in low strain, long life, wear resistance, and the durability demanded in flatbed tie-down situations.

TRACEABILITY

All Beaver RTD straps come complete with blue polyester safety labels, identifying the manufacturer/supplier, the material the straps are made from, the Standard, the date of manufacture, and the length. The serial number together with the date of manufacture is both on the safety label and stitched into webbing, in the event the label is dislodged.

TESTING

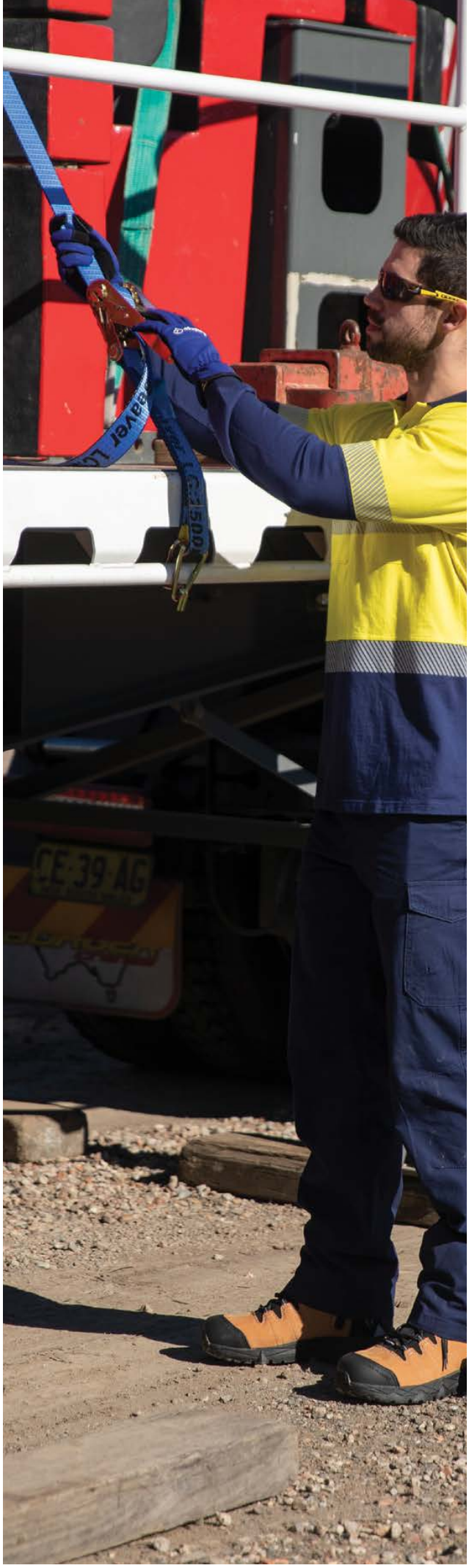
Following manufacturing and assembly, Beaver RTD assemblies undergo strict testing criteria to verify their lashing capacity.

USER FRIENDLY VISUAL FEATURES

The lashing capacity of each RTD assembly is clearly stencilled on both the webbing, and also its' two protective sleeves, making it easy to see at a glance.

FLEXIBILITY

All Beaver RTD straps come complete with standard hook and keepers, clearly marked with lashing capacity and I.D. marks. Different widths and lengths of webbing, together with an abundance of various end fittings are available on request.



RATCHET ASSEMBLIES

50mm HEAVY DUTY RATCHET TIE DOWN ASSEMBLY

FEATURES AND BENEFITS

- 50mm, polyester strap with lashing capacity clearly marked
- 100% heat set stretched & PU impregnated polyester - for low strain, long life & wear resistance
- Each Beaver RTD assembly is provided with 2 protective sleeves
- Ratchets handles with double pawl & locking action safety system to prevent slipping off the load

STANDARDS
AS/NZS4380



CODE	DESCRIPTION	HOOK TYPE	WIDTH (mm)	LENGTH (m)	LC (Kg)	WEIGHT (Kg)	UOM
RTD055PL	50mm x 9m with heavy duty hook & keeper	Hook & Keeper	50	9	2500	3.1	EACH
RTD055PL-12	50mm x 12m with heavy duty hook & keeper	Hook & Keeper	50	12	2500	3.4	EACH

75mm HEAVY DUTY RATCHET TIE DOWN ASSEMBLY

FEATURES AND BENEFITS

- 75mm, polyester strap with lashing capacity clearly marked
- 100% heat set stretched & PU impregnated polyester - for low strain, long life & wear resistance
- Each Beaver RTD assembly is provided with 2 protective sleeves
- Ratchets handles with double pawl & locking action safety system to prevent slipping off the load

STANDARDS
AS/NZS4380



CODE	DESCRIPTION	HOOK TYPE	WIDTH (mm)	LENGTH (m)	LC (Kg)	WEIGHT (Kg)	UOM
349075	75mm x 9m with heavy duty hook & keeper	Hook & Keeper	75	9	5000	7.5	EACH
349075-12	75mm x 12m with heavy duty hook & keeper	Hook & Keeper	75	12	5000	8.2	EACH

25mm CAM BUCKLE MOTOR BIKE TIE DOWN ASSEMBLY

FEATURES AND BENEFITS

- Lashing capacity 250kg
- Supplied with black vinyl "S" Hooks at each end

STANDARDS
AS/NZS 4380



CODE	DESCRIPTION	HOOK TYPE	WIDTH (mm)	LENGTH (m)	LC (Kg)	WEIGHT (Kg)	UOM
MBT020	25mm x 2m Motor Bike Tie Down (1 pair)	S	25	2	250	0.8	EACH

WARNING

- Winches shall not be loaded in excess of lashing capacity.
- A minimum of two layers of polyester webbing must be wound around the winch drum when tensioning.

CARGO WINCHES ARE NOT APPROVED FOR OVERHEAD LIFTING

50mm REVERSIBLE RATCHET TIE DOWN ASSEMBLY



FEATURES AND BENEFITS

- Reversible ratchet design enables safe and controlled release of tension
- Comfortable ergonomic, longer handle
- Reinforce eyes are provided with Beaver hook and keeper
- RTD straps are 100% polyester

STANDARDS
AS/NZS4380

CODE	DESCRIPTION	HOOK TYPE	WIDTH (mm)	LENGTH (m)	LC (Kg)	WEIGHT (Kg)	UOM
RTD055PL-REV	50mm x 9m RTD assembly with hook and keeper	Hook & Keeper	50	9	2500	3.22	EACH

25mm RATCHET TIE DOWN ASSEMBLY



FEATURES AND BENEFITS

- Supplied with heavy duty, rubber grip, locking safety handle
- RTD straps are 100% polyester

STANDARDS
AS/NZS4380

CODE	DESCRIPTION	HOOK TYPE	WIDTH (mm)	LENGTH (m)	LC (Kg)	WEIGHT (Kg)	UOM
349025RB	25mm x 5m RTD assembly with hook & keeper	Hook & Keeper	25	5	500	0.8	EACH
349025RSB	25mm x 4m RTD assembly with black vinyl “S” hooks	S	25	4	450	0.75	EACH

35mm RATCHET TIE DOWN ASSEMBLY



FEATURES AND BENEFITS

- Supplied with heavy duty, rubber grip, locking safety handle
- RTD straps are 100% polyester

STANDARDS
AS/NZS4380

CODE	DESCRIPTION	HOOK TYPE	WIDTH (mm)	LENGTH (m)	LC (Kg)	WEIGHT (Kg)	UOM
349035RB	35mm x 6m RTD assembly with hook & keeper	Hook & Keeper	35	6	1500	1.6	EACH
349035RSB	35mm x 6m RTD assembly with black vinyl “S” hooks	S	35	6	1000	1.5	EACH

WARNING

- Winches shall not be loaded in excess of lashing capacity.
- A minimum of two layers of polyester webbing must be wound around the winch drum when tensioning.

CARGO WINCHES ARE NOT APPROVED FOR OVERHEAD LIFTING

POLYESTER REPLACEMENT STRAPS



CARGO WINCH POLYESTER REPLACEMENT STRAPS

FEATURES AND BENEFITS

- Fitted with either 50mm x 9m or 12m strap with protective sleeves
- Hook & keeper marked with lashing capacity

STANDARDS
AS/NZS4380

CODE	DESCRIPTION	HOOK TYPE	WIDTH (mm)	LENGTH (m)	LC (Kg)	WEIGHT (Kg)	UOM
342313	50mm x 9m Winch Replacement Strap	Hook & Keeper	50	9	2500	2	EACH
342313-12	50mm x 12m Winch Replacement Strap	Hook & Keeper	50	12	2500	2.5	EACH



TRUCK WINCH GUIDELINES

- Keep winch tight - not loose
- Make sure cog teeth are in good working order
- Ensure appropriate winch is used
- If you are using a clip-on winch ensure the arms are straight not bent
- When in use, ensure that at least two loops of webbing remain on winch drum.

WARNING

- Winches shall not be loaded in excess of lashing capacity.
- A minimum of two layers of polyester webbing must be wound around the winch drum when tensioning.

CARGO WINCHES ARE NOT APPROVED FOR OVERHEAD LIFTING

BEAVER®

CLIP-ON TRUCK WINCHES



FEATURES AND BENEFITS

- Lashing capacity 2500kg
- Fitted with either 50mm x 9m
- Easy to fit to load rail

STANDARDS
AS/NZS4380

CODE	DESCRIPTION	HOOK TYPE	WIDTH (mm)	LENGTH (m)	LC (Kg)	WEIGHT (Kg)	UOM
342109-9	Clip-on winch with 9m strap	Hook & Keeper	50	9	2500	7.45	EACH

BEAVER®

SLIDE-ON TRUCK WINCHES



FEATURES AND BENEFITS

- Lashing capacity 2500kg
- Fitted with either 50mm x 9m
- Designed to slide on truck rail

STANDARDS
AS/NZS4380

CODE	DESCRIPTION	HOOK TYPE	WIDTH (mm)	LENGTH (m)	LC (Kg)	WEIGHT (Kg)	UOM
342009-9	Slide-on winch with 9m strap	Hook & Keeper	50	9	2500	10.25	EACH

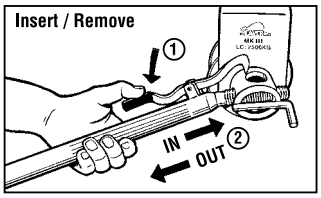
BEAVER®

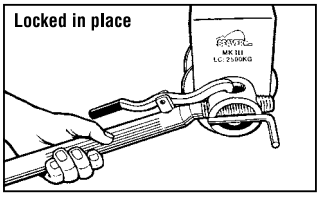


TRUCKERS WINCH BAR

FEATURES AND BENEFITS

- Winch bar comes complete with safety trigger and ridged non-slip handle for easy grip (all steel construction and chrome plated) for use with all winches
- Materials: Steel construction and chrome plated





CODE	DESCRIPTION	WEIGHT (Kg)	UOM
343400S	Winch bar, chrome plated with safety retaining device	2.5	Each

WARNING

SAFETY AND OPERATING INSTRUCTIONS

- Never release the winch bar Safety Retaining Device without checking that the ratchet pawl is fully engaged between the ratchet gear teeth.
- Releasing a winch bar without the ratchet pawl being fully engaged can cause serious injury to the user or bystanders.
- "Cheaters Bars" (extenders) should not be used with winch bars.
- To prevent the winch bar from slipping out and overloading the tip and / or end cap, the tip of the winch bar shall be inserted through both opposing slotted holes on the winch drum end cap of the Beaver Mark III Truck Winches

GRADE 70 LASHING CHAIN & FITTINGS

TRANSPORT CHAIN AND FITTINGS ARE MANUFACTURED FROM HEAT TREATED CARBON STEEL, IN ACCORDANCE WITH AS/NZS 4344.

- Transport chain is primarily used in lashing applications to tie down loads on transport equipment
- Our G70 chain is high quality and has undergone stringent testing and quality control
- All G70 chain and fittings are clearly marked 'Grade 70' with lashing capacity 'LC' and size of chain
- G70 chain is supplied in convenient resealable poly buckets or tool boxes for immediate use and easy storage
- The yellow chromate (gold) plating makes it easily recognisable even from a distance

TRANSPORT CHAIN FITTINGS GUIDELINES

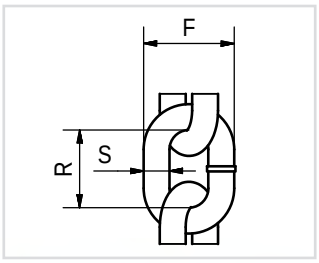
- Transport G70 chain is NOT to be used for any lifting purpose
- Ensure your G70 chain is marked showing capacity and Australian Standard for easy viewing and confirmation of load size

BEAVER®

GRADE 70 TRANSPORT CHAIN

FEATURES AND BENEFITS

- Yellow zinc dichromate (gold) plated for corrosion & weather resistance
- Grade 70 high-tensile chain for load restraint
- Chain marked with AS Standard for traceability, and stamped at intervals along its entire length





STANDARDS
AS/NZS4344

CODE	FINISH	LC (t)	SIZE (mm)	S (mm)	R (mm)	F (mm)	WEIGHT PER (m)	METERES PER 100 (Kg)	UOM
145006	Zinc dichromate	2.3	6	6	18.5	20	0.8	125	Metre
145008	Zinc dichromate	3.8	8	8	24	28	1.43	70	Metre
145010	Zinc dichromate	6.0	10	10	30	35	2.23	45	Metre
145013	Zinc dichromate	9.0	13	13	39	45.5	3.75	26.8	Metre

Metres per drum are subject to + or - 10% on actual metreage. NOT TO BE USED FOR LIFTING.

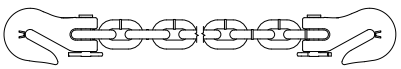
BEAVER®

GRADE 70 LOAD CHAIN KIT WITH WINGED GRAB HOOKS*

FEATURES AND BENEFITS

- Grade 70 transport chain and components comply with AS/NZS4344
- Yellow zinc dichromate (gold finish) plated for corrosion & weather resistance.
- Grade 70 high tensile chain, with 2 winged grab hooks
- Fittings are marked with Grade 70, lashing capacity and size of chain
- Metal ID tag for traceability





STANDARDS
AS/NZS4344

Note: Some chain lengths are supplied in a resealable bucket.

CODE	CHAIN SIZE (mm)	CHAIN LENGTH (m)	CHAIN PART NUMBER	GRAB HOOK PART NUMBER	LC (Kg)	WEIGHT (Kg)	UOM
400603	6	6	145006	354006	2300	5.28	Each
401003	8	6	145008	354008	3800	9.34	Each
406003	10	6	145010	354010	6000	14.32	Each
400903	6	9	145006	354006	2300	7.68	Each
145128	8	9	145008	354008	3800	13.63	Each
408003	10	9	145010	354010	6000	20.98	Each

GRADE 70 LASHINGS & FITTINGS ARE NOT TO BE USED FOR LIFTING PURPOSES
*NOTE: The use of some grab hooks or systems incorporating grab hooks cause bending to occur on the link of lashing chain to which the grab hook is engaged. The bending and shearing effect of the hook reduces the strength of the chain by 25 percent and as such, the lashing capacity (LC) of this type of system must be reduced by 25 percent as prescribed in Australian Standard AS/NZS4344. Claw hooks and winged grab hooks supplied on our assemblies, maintain 100% of the rated strength.

NOT APPROVED FOR LIFTING



GRADE 70 TRANSPORT CHAIN WITH CLAW HOOKS

FEATURES AND BENEFITS

- Yellow zinc dichromate (gold finish) plated for corrosion & weather resistance
- Grade 70 high-tensile chain, with 2 claw hooks
- Fittings are marked with Grade 70, lashing capacity and chain size
- Metal ID tag for traceability

STANDARDS
AS/NZS4344



CODE	CHAIN SIZE (mm)	CHAIN LENGTH (m)	CHAIN PART NUMBER	CLAW HOOK PART NUMBER	LC (Kg)	WEIGHT (Kg)	UOM
401002	8	6	145008	352008	3800	9.68	Each
405002	8	9	145008	352008	3800	13.97	Each
406002	10	6	145010	352010	6000	14.5	Each
408002	10	9	145010	352010	6000	21.16	Each



"GOLD" DRAG CHAIN KIT WITH LUG LINK AND GRAB HOOK

FEATURES AND BENEFITS

- Complies with AS/NZS4344
- Yellow zinc dichromate (gold finish) plated for corrosion & weather resistance.
- Grade 70 high tensile chain combo kit c/w lug link & grab hook
- Fittings are clearly marked Grade 70 with lashing capacity and chain size
- Metal ID tag for traceability

STANDARDS
AS/NZS4344

CODE	CHAIN SIZE (mm)	CHAIN LENGTH (m)	CHAIN PART NUMBER	GRAB HOOK PART NUMBER	LUG LINK PART NUMBER	LC (Kg)	WEIGHT (Kg)	UOM
410008	8	5	145008	354008	353008	3800	8.03	Each
410010	10	5	145010	354010	353010	6000	12.2	Each
410013	13	5	145013	354013	353013	9000	20.78	Each

GRADE 70 LASHINGS & FITTINGS ARE NOT TO BE USED FOR LIFTING PURPOSES
*NOTE: The use of some grab hooks or systems incorporating grab hooks cause bending to occur on the link of lashing chain to which the grab hook is engaged. The bending and shearing effect of the hook reduces the strength of the chain by 25 percent and as such, the lashing capacity (LC) of this type of system must be reduced by 25 percent as prescribed in Australian Standard AS/NZS4344. Claw hooks and winged grab hooks supplied on our assemblies, maintain 100% of the rated strength.

NOT APPROVED FOR OVERHEAD LIFTING

GRADE 70 LASHING CHAIN & FITTINGS

"GOLD" DRAG CHAIN KIT WITH LUG LINK AND SLIP HOOK



FEATURES AND BENEFITS

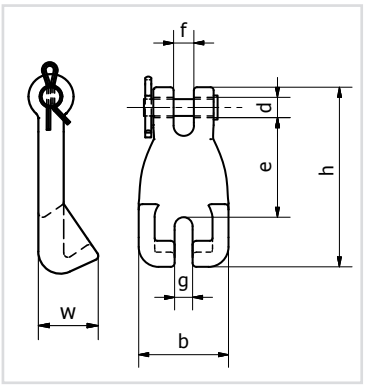
- Complies with AS/NZS4344
- Yellow zinc dichromate (gold finish) plated for corrosion & weather resistance
- Grade 70 high tensile chain combo kit c/w lug link & slip hook
- Fittings are clearly marked Grade 70 with lashing capacity and chain size
- Metal ID tag for traceability

STANDARDS
AS/NZS4344

CODE	CHAIN SIZE (mm)	CHAIN LENGTH (m)	CHAIN PART NUMBER	SLIP HOOK PART NUMBER	LUG LINK PART NUMBER	LC (Kg)	WEIGHT (Kg)	UOM
411008	8	5	145008	356008	353008	3800	8.01	Each
411010	10	5	145010	356010	353010	6000	12.3	Each
411013	13	5	145013	356013	353013	9000	21.26	Each

CLEVIS CLAW HOOKS





FEATURES AND BENEFITS

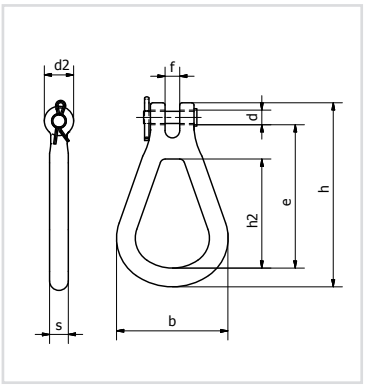
- Complies with AS/NZS4344
- Yellow zinc dichromate (gold finish) plated for corrosion & weather resistance
- To be used in conjunction with Grade 70 transport chain
- Clevis claw hooks are marked with Grade 70, lashing capacity and chain size

STANDARDS
AS/NZS4344

CODE	CHAIN SIZE (mm)	f (mm)	d (mm)	e (mm)	h (mm)	g (mm)	b (mm)	w (mm)	LC (Kg)	WEIGHT (Kg)	UOM
352008	7-8	12.5	10.2	40	88	9.5	47	32	3800	0.55	Each
352010	10	12.5	12.5	46	103	11.5	55	37.5	6000	0.59	Each

CLEVIS LUG LINKS





FEATURES AND BENEFITS

- To be used in conjunction with Grade 70 transport chain
- Fittings for use in drag chain application
- Yellow zinc dichromate (gold finish) plated for corrosion & weather resistance

STANDARDS
AS/NZS4344

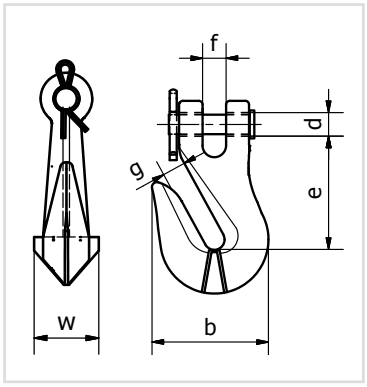
CODE	CHAIN SIZE (mm)	f (mm)	d (MM)	e (mm)	h (mm)	h2 (mm)	b (mm)	s (mm)	d2 (mm)	LC (Kg)	WEIGHT (Kg)	UOM
353008	7-8	12.5	10	108.5	141.7	78	86.5	16.25	24	3800	0.5	Each
353010	10	12.5	12.5	107.25	141.7	78	86.5	16.25	24	6000	0.6	Each
353013	13	16.6	16	127.2	169	95.5	100.4	18.6	33	9000	1.5	Each

GRADE 70 LASHINGS & FITTINGS ARE NOT TO BE USED FOR LIFTING PURPOSES
*NOTE: The use of some grab hooks or systems incorporating grab hooks cause bending to occur on the link of lashing chain to which the grab hook is engaged. The bending and shearing effect of the hook reduces the strength of the chain by 25 percent and as such, the lashing capacity (LC) of this type of system must be reduced by 25 percent as prescribed in Australian Standard AS/NZS4344. Claw hooks and winged grab hooks supplied on our assemblies, maintain 100% of the rated strength.

NOT APPROVED FOR OVERHEAD LIFTING

CLEVIS GRAB HOOKS* WITH WINGS





FEATURES AND BENEFITS

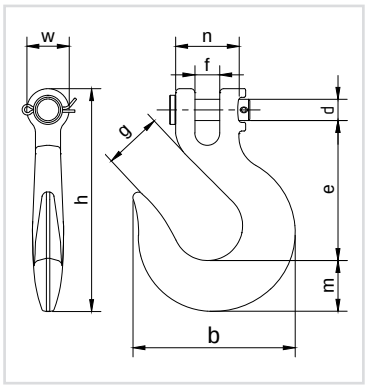
- To be used in conjunction with Grade 70 transport chain
- Winged type hook, enables the chain link to sit correctly
- Yellow zinc dichromate (gold finish) plated for corrosion & weather resistance

STANDARDS
AS/NZS4344

CODE	CHAIN SIZE (mm)	f (mm)	d (mm)	e (mm)	b (mm)	g (mm)	w (mm)	LC (Kg)	WEIGHT (Kg)	UOM
354006	6	9.2	8.5	46.4	49	9.2	22	2300	0.24	Each
354008	7-8	10.4	10.5	49	57	10.5	28	3800	0.38	Each
354010	10	12.4	12.5	60.5	66.5	13.5	39	6000	0.5	Each
354013	13	19.5	16.5	84	88	18	39	9000	0.63	Each

CLEVIS SLIP HOOKS





FEATURES AND BENEFITS

- To be used in conjunction with Grade 70 transport chain
- Fittings for use in drag chain application
- Yellow zinc dichromate (gold finish) plated for corrosion & weather resistance

STANDARDS
AS/NZS4344

CODE	CHAIN SIZE (mm)	f (mm)	d (mm)	e (mm)	b (mm)	g (mm)	h (mm)	m (mm)	n (mm)	w (mm)	LC (Kg)	WEIGHT (Kg)	UOM	PACK QTY
356006	6	9	8	60.5	59	18.5	96	20.5	25	21.6	2300	0.269	Each	100
356008	8	10.5	9	68.5	73.5	25	109	24.5	31	24	3800	0.348	Each	50
356010	10	12	12	79	92	32	127	29	33	28	6000	0.62	Each	25
356013	13	18.5	16	102.5	120.5	42	166	39.5	47	32	9000	1.32	Each	20

GRADE 70 LASHINGS & FITTINGS ARE NOT TO BE USED FOR LIFTING PURPOSES
*NOTE: The use of some grab hooks or systems incorporating grab hooks cause bending to occur on the link of lashing chain to which the grab hook is engaged. The bending and shearing effect of the hook reduces the strength of the chain by 25 percent and as such, the lashing capacity (LC) of this type of system must be reduced by 25 percent as prescribed in Australian Standard AS/NZS4344. Claw hooks and winged grab hooks supplied on our assemblies, maintain 100% of the rated strength.

NOT APPROVED FOR OVERHEAD LIFTING



GRADE 70 LOADBINDERS

PRECAUTIONS

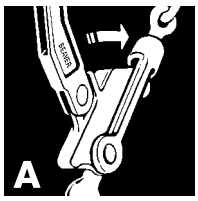
- Avoid injury – operate only by hand and always from a standing position
- Lever type loadbinders generally store energy which is often rapidly released, causing the handle to rotate with substantial force
- Always inspect loadbinders before use. Look for signs of wear, bending, cracks or gouges, and replace any damaged units
- Use only the appropriate size and grade of chain with the loadbinder
- Do not use handle extension devices, as they may overload the loadbinder and effectively weaken the lashing system
- Make sure loadbinders are tight before moving. Stop and re-check tightness frequently
- Never discard warning instructions. Keep them and share them with others using the loadbinder.

GRADE 70 SAFETY RELEASE LEVER

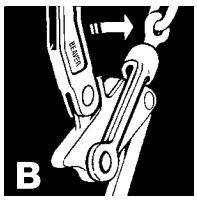
The safety release lever makes this loadbinder safer than other lever style loadbinders on the market today.

The loadbinder design allows the user to release the loadbinder tension without any of the recoil typical of a standard lever type loadbinder.

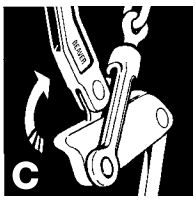
The centre of the loadbinder rotates independently of the handle, allowing tension to be released smoothly and safely.



The handle of the BX600 moves freely to the beginning of the release point.



The body cam centre begins to rotate independently of the handle at this stage.



As the chain tension is released, the handle will remain almost in the same position.

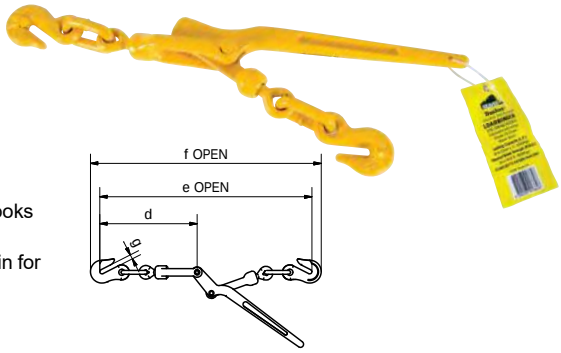


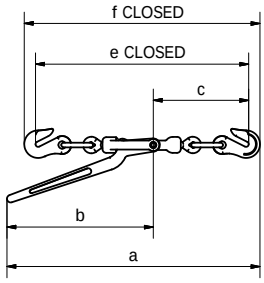
GRADE 70 DOUBLE SWIVEL (OVER CENTRE LOADBINDER)

FEATURES AND BENEFITS

- Yellow painted finish
- Loadbinders come with double swivel and grab hooks (forged) to achieve full lashing capacity
- Grade 70 loadbinders are designed to tighten chain for cargo securement

STANDARDS
AS/NZS4344





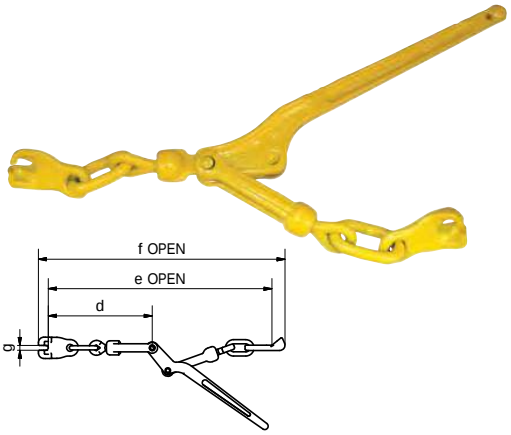
CODE	CHAIN SIZE & DESCRIPTION	f CLOSED (mm)	e CLOSED (mm)	d (mm)	b (mm)	a (mm)	f OPEN (mm)	e OPEN (mm)	c (mm)	g (mm)	LC (Kg)	WEIGHT (Kg)	UOM
345006A	6mm with winged eye grab hooks*	409	365	215	293	470	484	440	150	9.5	2300	1.68	Each
348000	7-8mm with winged eye grab hooks*	558	503	287	383	600	662	607	216	11	3800	3.7	Each
348010	10mm with winged eye grab hooks*	638	570	325	420	760	758	690	245	12	6000	5.7	Each
348013	13mm c/w winged eye grab hooks*	747	661	381	490	819	876	790	286	13.5	9000	10.5	Each

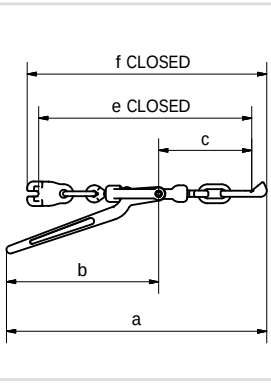
GRADE 70 DOUBLE SWIVEL (OVER CENTRE LOADBINDER)

FEATURES AND BENEFITS

- Yellow painted finish
- Loadbinders come with double swivel and claw lever (forged) to achieve full lashing capacity
- Grade 70 loadbinders are designed to tighten chain for cargo securement

STANDARDS
AS/NZS 4344





CODE	CHAIN SIZE & DESCRIPTION	f CLOSED (mm)	e CLOSED (mm)	d (mm)	b (mm)	a (mm)	f OPEN (mm)	e OPEN (mm)	c (mm)	g (mm)	LC (Kg)	WEIGHT (Kg)	UOM
348000EC	7-8mm with eye claw hooks	529	489	280	385	601	633	593	208	9.5	3800	3.9	EACH

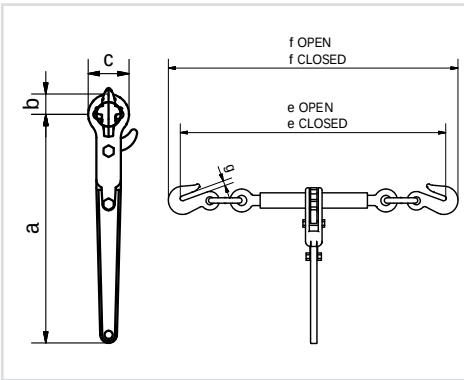
GRADE 70 RATCHET TYPE LOADBINDERS

FEATURES AND BENEFITS

- Yellow painted finish
- Loadbinders come with winged grab hooks to achieve full lashing capacity
- Ratchet handle to assist with easy tensioning of G70 load chain to secure loads

STANDARDS
AS/NZS4344





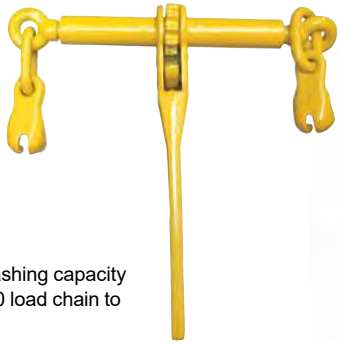
CODE	CHAIN SIZE & DESCRIPTION	f CLOSED (mm)	e CLOSED (mm)	g (mm)	b (mm)	a (mm)	f OPEN (mm)	e OPEN (mm)	c (mm)	g (mm)	LC (Kg)	WEIGHT (Kg)	UOM
344006	6mm with winged eye grab hooks*	459	415	10	21	205	572	528	42	9.5	2300	1.69	Each
344008	7-8mm with winged eye grab hooks*	638	570	12.7	32.5	350	799	734	65	11	3800	4.7	Each
344010	10mm with winged eye grab hooks*	671	603	16.5	32.5	350	836	768	65	12	6000	5.1	Each
344013	13mm with winged eye grab hooks*	776	690	18.5	32.5	350	946	860	65	15	9000	7.18	Each

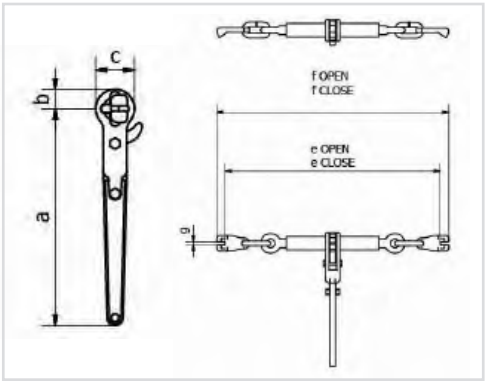
GRADE 70 LASHINGS & FITTINGS ARE NOT TO BE USED FOR LIFTING PURPOSES
*NOTE: The use of some grab hooks or systems incorporating grab hooks cause bending to occur on the link of lashing chain to which the grab hook is engaged. The bending and shearing effect of the hook reduces the strength of the chain by 25 percent and as such, the lashing capacity (LC) of this type of system must be reduced by 25 percent as prescribed in Australian Standard AS/NZS4344. Claw hooks and winged grab hooks supplied on our assemblies, maintain 100% of the rated strength.

NOT APPROVED FOR OVERHEAD LIFTING

GRADE 70 LOADBINDERS

GRADE 70 RATCHET TYPE LOADBINDERS





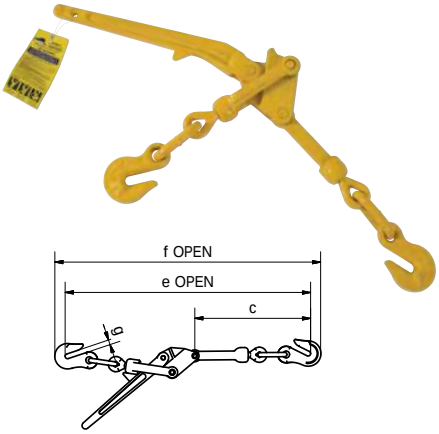
FEATURES AND BENEFITS

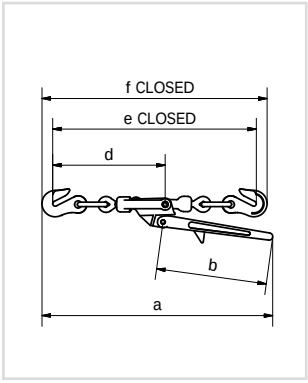
- Yellow painted finish
- Loadbinders come with claw hooks to achieve full lashing capacity
- Ratchet handle to assist with easy tensioning of G70 load chain to secure loads

STANDARDS
AS/NZS4344

CODE	CHAIN SIZE & DESCRIPTION	f CLOSED (mm)	e CLOSED (mm)	d (mm)	b (mm)	a (mm)	f OPEN (mm)	e OPEN (mm)	c (mm)	g (mm)	LC (Kg)	WEIGHT (Kg)	UOM
344108	7-8mm with eye claw hooks	667	609	9.5	32.5	355	831	773	65	9.5	3800	4.9	Each
344110	10mm with eye claw hooks	712	635	11.5	32.5	355	877	800	65	11.5	6000	5.3	Each

GRADE 70 SAFETY RELEASE LEVER BX600 TYPE





FEATURES AND BENEFITS

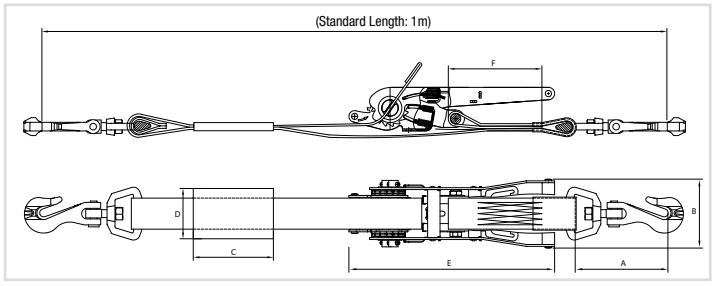
- Recoilless loadbinder for added safety
- Suits chain sizes 7-8mm / 10mm
- High strength drop forged steel
- Heat-treated for extra strength & designed for heavy duty transport use

STANDARDS
AS/NZS4344

CODE	CHAIN SIZE & DESCRIPTION	f CLOSED (mm)	e CLOSED (mm)	d (mm)	b (mm)	a (mm)	f OPEN (mm)	e OPEN (mm)	c (mm)	g (mm)	LC (Kg)	WEIGHT (Kg)	UOM
344208	7-8mm with winged eye grab hooks*	555	500	280	320	603	665	610	280	9.5	3800	4.4	Each
344210	10mm with winged eye grab hooks*	663	585	335	390	703	773	705	335	11.5	6000	6.6	Each

GRADE 70 WEB-DOG LOADBINDER





FEATURES AND BENEFITS

- Fitted with 8mm grab hooks and 50mm heavy duty webbing
- Lashing capacity 3800kg
- Self-locking ratchet handle prevents jumping out
- Ideal for chain lashing down applications
- Reverse action ratchet maximises ergonomic efficiency pretension

STANDARDS
AS/NZS4344 and AS/NZS4380

CODE	CHAIN SIZE & DESCRIPTION	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	LENGTH (m)	LC (Kg)	WEIGHT (Kg)	UOM
348000WF	**50mm ratchet assembly fitted with 8mm grab hooks*** & 1m of 50mm heavy duty webbing	150	110	120	75	335	145	1	3800	3.8	Each

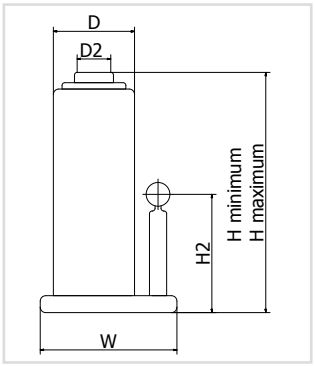
GRADE 70 LASHINGS & FITTINGS ARE NOT TO BE USED FOR LIFTING PURPOSES
*NOTE: The use of some grab hooks or systems incorporating grab hooks cause bending to occur on the link of lashing chain to which the grab hook is engaged. The bending and shearing effect of the hook reduces the strength of the chain by 25 percent and as such, the lashing capacity (LC) of this type of system must be reduced by 25 percent as prescribed in Australian Standard AS/NZS4344. Claw hooks and winged grab hooks supplied on our assemblies, maintain 100% of the rated strength.

NOT APPROVED FOR OVERHEAD LIFTING



BLACK JAX SERIES BOTTLE JACKS





FEATURES AND BENEFITS

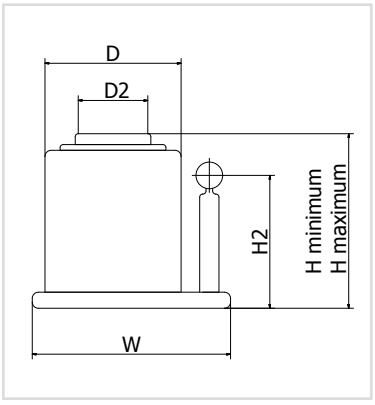
- Available in a variety of sizes
- Wide base for stability and strength
- Heavy duty, steel construction
- Suitable for automotive, industrial and construction industries

STANDARDS
AS/NZS2693

CODE	DESCRIPTION	CAPACITY (t)	D (mm)	D2 (mm)	H2 (mm)	W (mm)	SCREW ADJUSTING HEIGHT (mm)	LIFT HEIGHT (mm)	MINIMUM HEIGHT H MINIMUM (mm)	MAXIMUM HEIGHT H MAXIMUM (mm)	WEIGHT (Kg)	UOM
JAX004	Bottle Jack	4	70	29	80	136	70	125	212	407	4.7	Each
JAX006	Bottle Jack	6	75	32	79	167	80	145	230	455	5.7	Each
JAX008	Bottle Jack	8	85	40	79	154	80	150	228	458	5.8	Each
JAX010	Bottle Jack	10	94	43	79	169	80	150	229	459	7.1	Each
JAX015	Bottle Jack	15	110	45	82	188	60	155	240	455	8.6	Each
JAX020	Bottle Jack	20	140	69	95	308	-	165	260	425	17.8	Each

SQUAT JAX SERIES BOTTLE JACKS





FEATURES AND BENEFITS

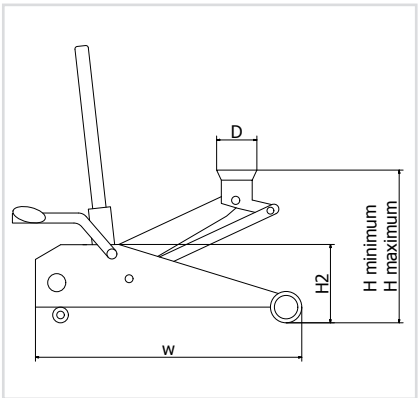
- Designed for use where 12 -20 tonne lift is required, but ground clearance does not exceed 195mm
- Suitable for automotive, industrial and construction industries
- Adjustable centre screw

STANDARDS
AS/NZS2693

CODE	DESCRIPTION	CAPACITY (t)	D (mm)	D2 (mm)	H2 (mm)	W (mm)	SCREW ADJUSTING HEIGHT (mm)	LIFT HEIGHT (mm)	MINIMUM HEIGHT H MINIMUM (mm)	MAXIMUM HEIGHT H MAXIMUM (mm)	WEIGHT (Kg)	UOM
BJS012	Squat Bottle Jack	12	95	43	98	141	60	110	190	360	6.3	Each
BJS020	Squat Bottle Jack	20	110	50	98	152	65	105	195	365	9.1	Each

TROLLEY JACK WITH QUICK LIFT PEDAL





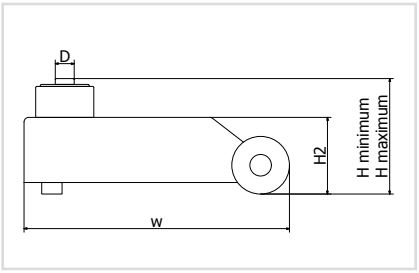
FEATURES AND BENEFITS

- Trolley jack with quick lift pedal
- Manufactured from heavy duty stainless steel
- Suitable for automotive, industrial and construction industries

STANDARDS
AS/NZS2615

CODE	DESCRIPTION	CAPACITY (t)	D (mm)	H2 (mm)	W (mm)	WHEELBASE LENGTH (mm)	MINIMUM HEIGHT H MINIMUM (mm)	MAXIMUM HEIGHT H MAXIMUM (mm)	NETT WEIGHT (Kg)	UOM
GJK022	Trolley Jack with quick lift pedal	2.25	120	155	685	520	145	490	39.5	Each





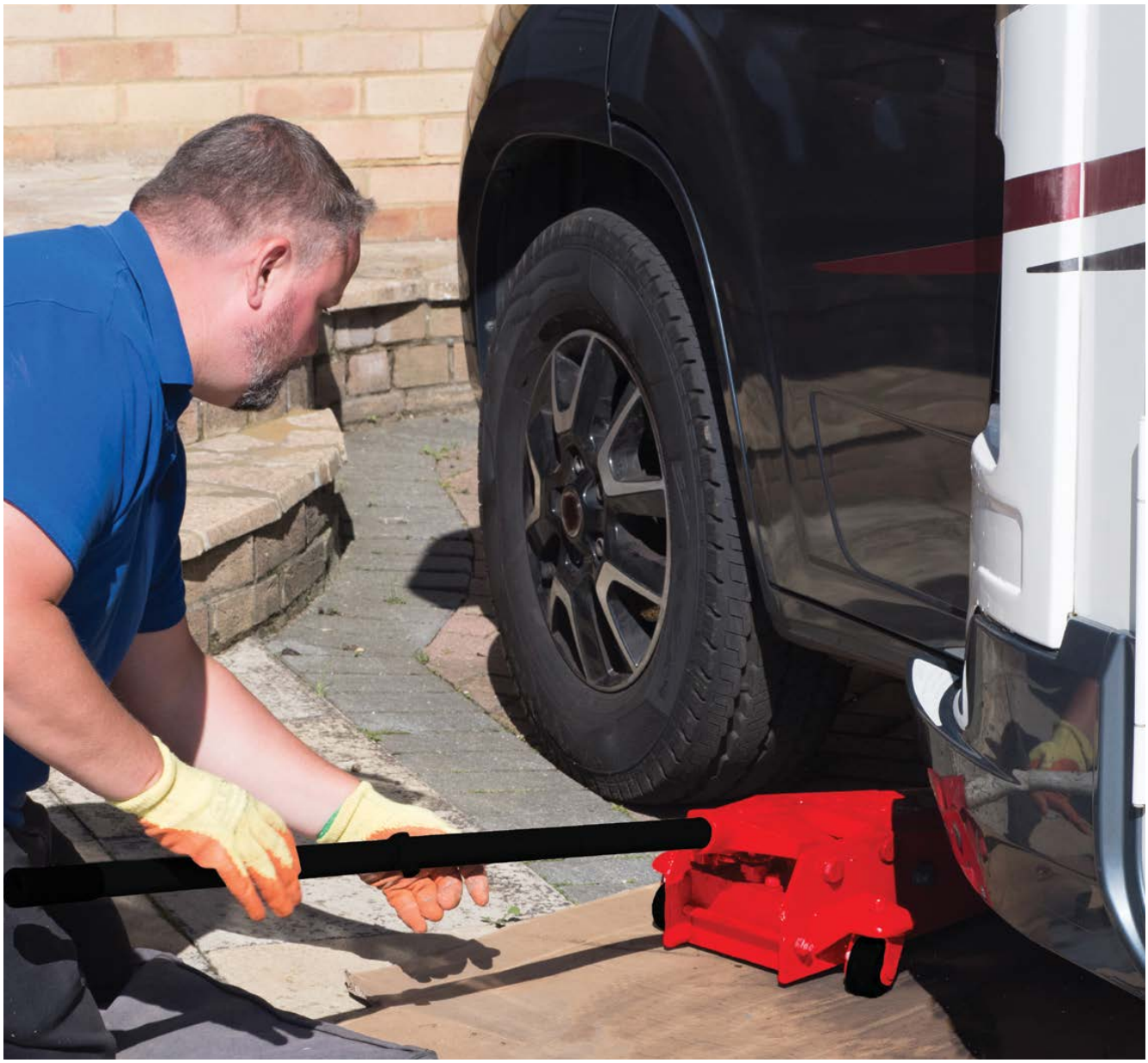
AIR / HYDRAULIC TROLLEY JACK

FEATURES AND BENEFITS

- The hydraulic technology makes lifting simple while a wider frame and internal bypass valve ensure safety.
- Safety bypass system prevents over-loading and ensures safe operation.
- Professional quality tested to Australian Standards capacity of 20tonne

STANDARDS
AS/NZS2615

CODE	DESCRIPTION	CAPACITY (t)	D (mm)	H2 (mm)	W (mm)	MINIMUM HEIGHT H MINIMUM (mm)	MAXIMUM HEIGHT H MAXIMUM (mm)	NETT WEIGHT (Kg)	UOM
GJK200	Air/Hydraulic Trolley Jack	20	280	360	660	265	510	46	Each





TRANSPORT GENERAL

FEATURES AND BENEFITS

- Edge protectors provide a great solution for stabilization and strength to pallets and ensures better containment of loads

CODE	DESCRIPTION	PACK QTY	WEIGHT (Kg)	UOM
340000	Corner Protector 140 x 140 x 1040mm	1	2	Each
340010	Corner Protector 85 x 85 x 300mm	10	0.022	Each



EPM RUBBER TIE DOWNS FOR TARPS

FEATURES AND BENEFITS

- High quality EPM rubber
- Stainless steel hooks won't bend or rust
- Will not be effected by heat, cold and steam

CODE	STRAP LENGTH (mm)	MAX. SAFE STRETCH (mm)	QTY PER BAG	WEIGHT EACH (Kg)	UOM	BAGS PER CARTON
340721	533	812	10	0.12	Each	10
340731	787	1168	5	0.16	Each	20





TRUCK WHEEL WRENCHES

FEATURES AND BENEFITS

- Truck wheel brace spanned with bar
- Heavy duty for trucks, buses and other heavy vehicles

CODE	DESCRIPTION	WEIGHT (Kg)	UOM
TWB032	32mm x 17mm x 300mm	2.375	Each
TWB038	38mm x 21mm x 395mm	3.667	Each
TWB041	41mm x 21mm x 395mm	4.000	Each
TWB041A	41mm x 19mm x 395mm	3.833	Each
TWB118	28mm x 33mm x 395mm	3.500	Each
TWB516	33mm x 21mm x 395mm	3.500	Each
TWB516A	33mm x 32mm x 395mm	3.500	Each



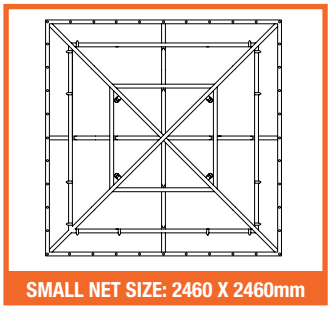
CARGO SAFETY NET

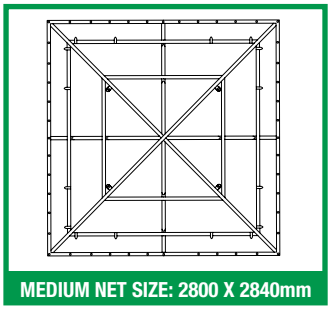
FEATURES AND BENEFITS

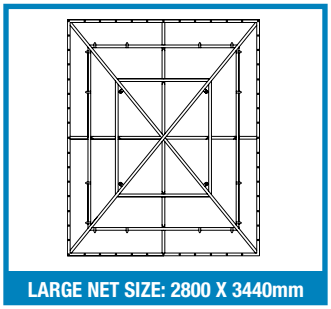
- Multiple webbing loops and eyelets for greater versatility
- High strength, UV stabilised, tightly woven mesh ensures load stays contained
- Additional reinforced webbing also enhances strength
- Easily connected to load restraint compliant tie downs
- Integrated D rings to assist holding down
- Ideal for trailers, utes, boats, 4WD's and trucks
- Convenient heavy duty storage bag

All states in Australia have regulations for covering loads with penalties being enforced. Please check these regulations.
NOTE: THE PRODUCT SHOULD ONLY BE USED FOR COVERING CARGO.
IT SHOULD NOT BE USED IN PLACE OF A RATCHET TIE DOWN.

CODE	SIZE	NET SIZE SIZES (mm)	TRAILERS SIZES (mm)	CABS / UTES SIZES (mm)	MID SIZE TRUCK SIZES (mm)
NETSYS1	SMALL	2460 X 2460	1200 X 1800	1500 X 1500 1580 X 1900	-
NETSYS2	MEDIUM	2800 X 2840	1500 X 2400	1850 X 1880 1850 X 2180	2330 X 1850 2400 X 2330
NETSYS3	LARGE	2800 X 3440	-	-	2480 X 2330 2400 X 2550 2400 X 2630 2400 X 2780


SMALL NET SIZE: 2460 X 2460mm


MEDIUM NET SIZE: 2800 X 2840mm


LARGE NET SIZE: 2800 X 3440mm

SUPPLIED WITH



4x TIE ROPES
4x CAM BUCKLES















TOWING & RECOVERY

6

WINCHLINE ROPE (UHMWPE)	510-511
HEAVY DUTY RECOVERY STROPS	512-513
VEHICLE RECOVERY TOW KITS	514-515
KEVLAR® RECOVERY TOW STROPS	516-517
NYLON RECOVERY TOW STROPS	518
TWIN-PATH® TOW SLINGS	519-520
SHACKLES & HEADRINGS	521
SOFT SHACKLES	522
BLACK RAT 4WD ACCESSORIES	523-528

BUNZL SAFETY & LIFTING UNDERSTANDS THE IMPORTANCE OF MOVING VEHICLES SAFELY,

and therefore only offers cost effective, high quality equipment suited to recovering and towing everything from four wheel drives and smaller machinery, right through to large mining vehicles.

WINCHLINE ROPE

DONAGHYS winchline

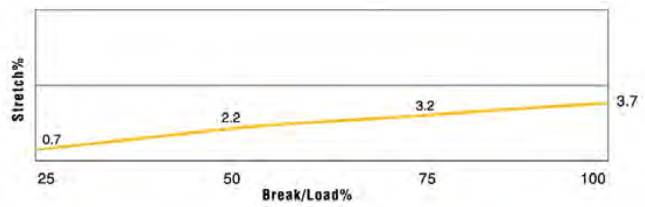
STEALTH® UHMWPE 12 STRAND BRAID

Made from high strength UHMwPE (Ultra High Molecular weight Polyethylene) fibres, Donaghys Winchline has a very low elongation of 4% at break, and on a weight for weight basis, is 15 times stronger than steel wire rope.

RANGE AVAILABLE: 1 mm to 96mm, sold by the metre.

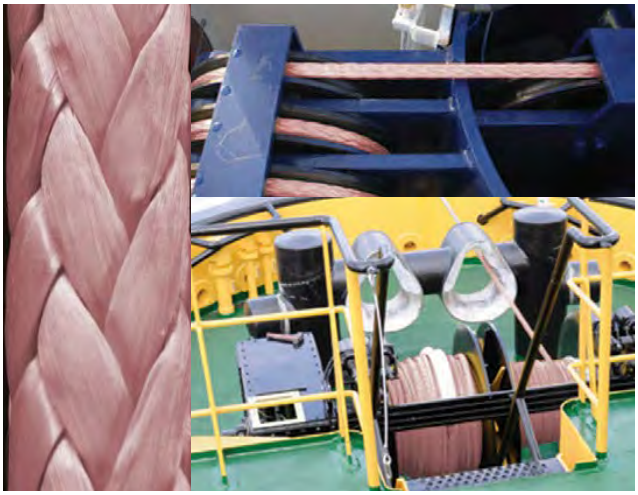


STRETCH VS BREAK LOAD



WINCHLINE TO WIRE ROPE COMPARISON





DONAGHYS PERFORMANCE FIRST

STEALTH® UHMWPE 12 STRAND BRAID

FEATURES AND BENEFITS

- 8 x lighter and 15 times stronger than steel wire rope
- Low stretch, easy to splice and non-rotational
- Unique pink colour for safety
- High UV and chemical resistance
- Floats and will not absorb water
- High internal and external abrasion resistance
- Virtually no recoil in the unlikely event of failure
- Maximum continuous length removes waste factors and enhances hauling/winch line integrities
- High performance abrasion / heat resistant jackets available on request

APPLICATIONS

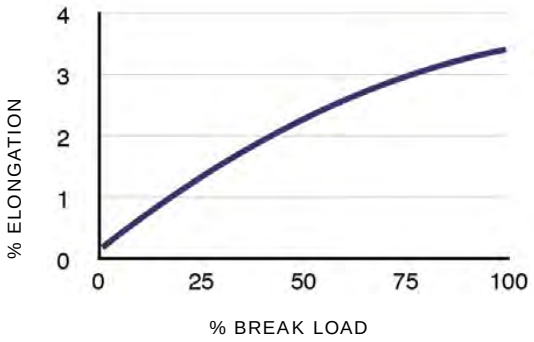
Winch lines, vehicle rescue/recovery, logging, towing line or pulling/stringing lines

CODE	DIAMETER (mm)	BREAK FORCE (t)	MAX. LENGTH APP. METRES	WINCHLINE BREAK FORCE (t)	WINCHLINE WEIGHT / 100M (kg)	6X36 IWRC WIRE ROPE GRADE: 1960 BREAK FORCE (t)	6X36 IWRC WIRE ROPE WEIGHT / 100M (kg)
D4BRS09WAM	9	9.3	1025	9.3	4.0	5.8	33.2
D4BRS12WAM	12	17.0	3050	17.0	7.8	10.3	58.8
D4BRS14WAM	14	19.9	2250	19.9	10.5	14.0	80.2
D4BRS16WAM	16	26.1	1720	26.1	12.0	18.3	104.0
D4BRS18WAM	18	34.7	1360	34.7	17.0	23.0	132.0
D4BRS20WAM	20	45.3	1100	45.3	20.0	28.4	163.0
D4BRS22WAM	22	52.2	904	52.2	25.0	34.5	197.0
D4BRS24WAM	24	61.3	760	61.3	29.0	41.0	235.0
D4BRS26WAM	26	72.5	650	72.5	34.0	48.1	276.0
D4BRS32WAM	32	93.9	1189	93.9	52.0	72.9	418.0
D4BRS36WAM	36	118	939	118	60.0	92.2	531.0
D4BRS44WAM	44	174	629	174	81.0	138.0	793.0

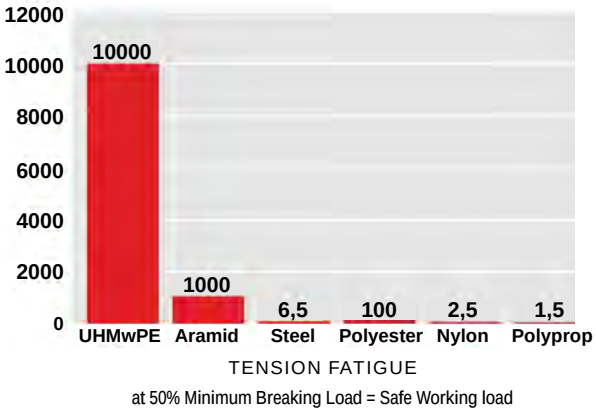
Note: Other sizes available on request.

TECHNICAL

ELONGATION VS BREAK LOAD

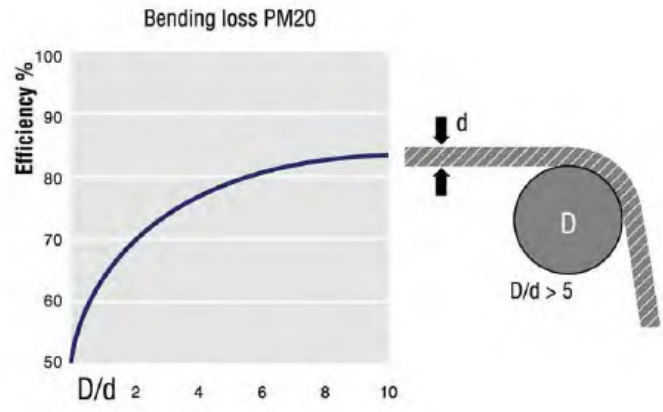


ROPE PROPERTIES; TENSION FATIGUE

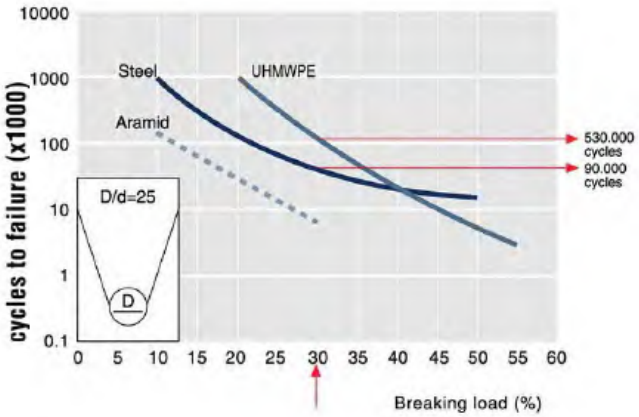


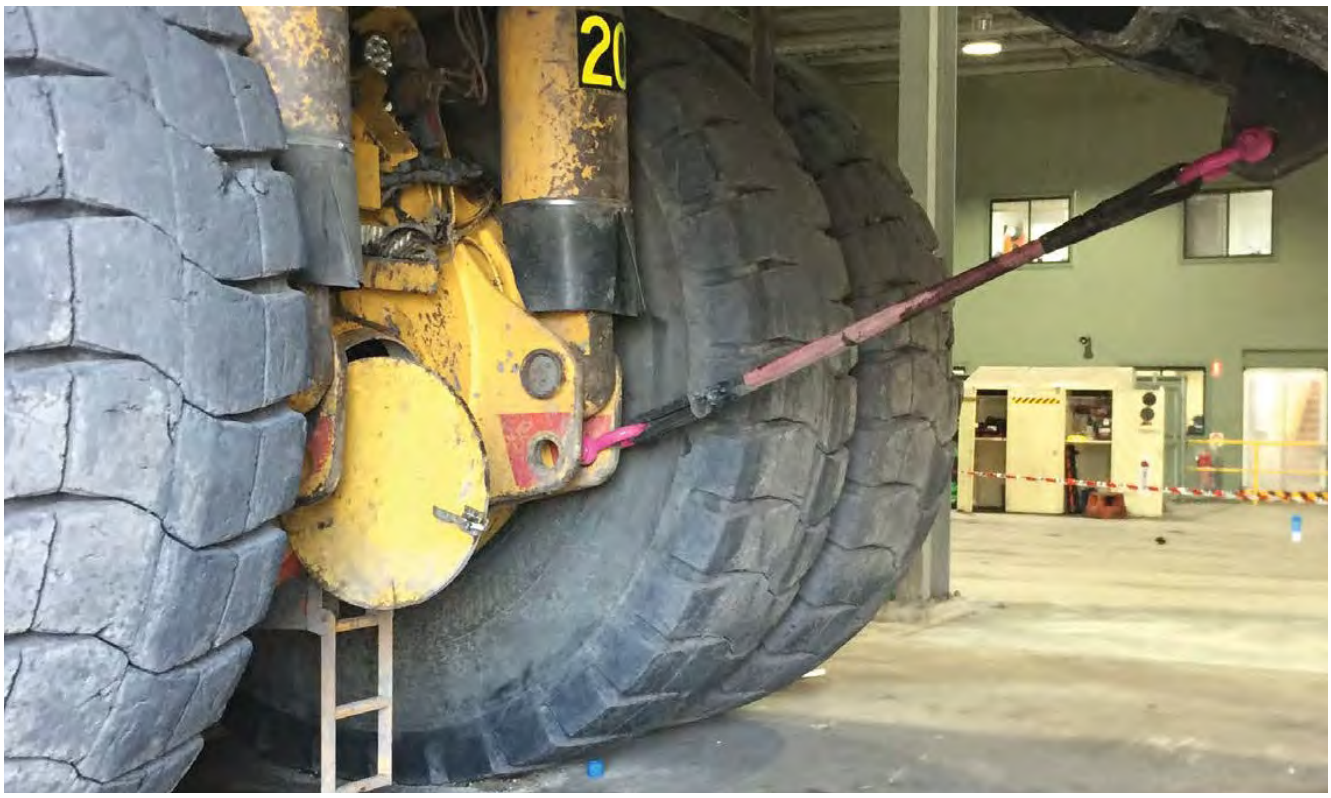
at 50% Minimum Breaking Load = Safe Working load

ROPE PROPERTIES; STATIC BENDING



BENDING FATIGUE





HEAVY DUTY RECOVERY STROPS

DONAGHYS
PERFORMANCE FIRST

MONGOOSE RECOVERY STROPS

Mongoose Heavy Duty Tow Strops are 12 strand UHMwPE (Ultra High Molecular weight Polyethylene) tow rope designed for industrial, and light vehicle recovery.

Mongoose Strops come fitted with a heavily protected 200mm soft eye splice in each end and feature a tight heavy duty nylon cover.

HEAVY DUTY TIGHT 100% FLAT NYLON BRAID BODY & EYES



Extreme strength from Winchline core



Heavy duty nylon braid on body and eyes protects from wear and tear



Traceable ID tags

FEATURES AND BENEFITS

- Ultra high strength to weight ratio
- Lightweight and flexible to reduce risk of back injuries
- Low elongation & high wear resistance
- Minimal re-coil and kinetic energy at break
- Traceability (durable ID tags)
- Reduced hand injuries (no fish hooking)
- Heavy duty tight 100% flat Nylon Braid cover
- Certified to Tonnage rating

APPLICATIONS

Light and heavy vehicle recovery, 4 x 4 vehicle recovery, vehicle towing

COLOURED PINK FOR SAFETY & EASY TOWING IDENTIFICATION





MONGOOSE BY DONAGHYS

CODE	FINISHED DIAMETER (mm)	BREAK LOAD (t)	LENGTH (m)	WEIGHT OF COMPLETED STROP (kg)
BRY30T06	32	30	6	4.5
BRY30T10	32	30	10	7.0
BRY30T15	32	30	15	10.5
BRY30T20	32	30	20	14.0
BRY50T01	38	50	1	2.0
BRY50T03	38	50	3	4.0
BRY50T06	38	50	6	6.5
BRY50T10	38	50	10	10.0
BRY50T15	38	50	15	15.0
BRY50T20	38	50	20	20.5
BRY70T01	44	70	1	2.5
BRY70T03	44	70	3	4.5
BRY70T06	44	70	6	7.5
BRY70T10	44	70	10	13.0
BRY70T15	44	70	15	17.0
BRY70T20	44	70	20	28.0
BRY100T6	48	100	6	12.0
BRY100T10	48	100	10	15.5
BRY100T15	48	100	15	29.5
BRY100T20	48	100	20	34.0
BRY150T10	65	150	10	24.0
BRY150T20	65	150	20	47.0
BRY200T15	75	200	15	45.5
BRY300T15	82	300	15	65.0

Note: Other sizes and lengths available on request.

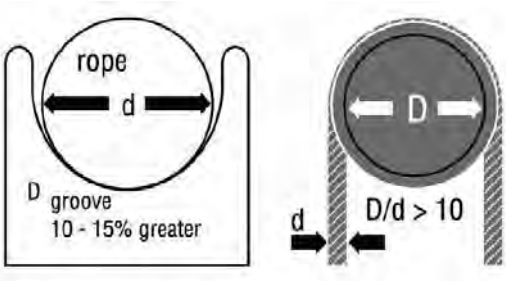
CONSTRUCTION & MINING VEHICLE RECOVERY APPLICATIONS

DONAGHYS PERFORMANCE FIRST

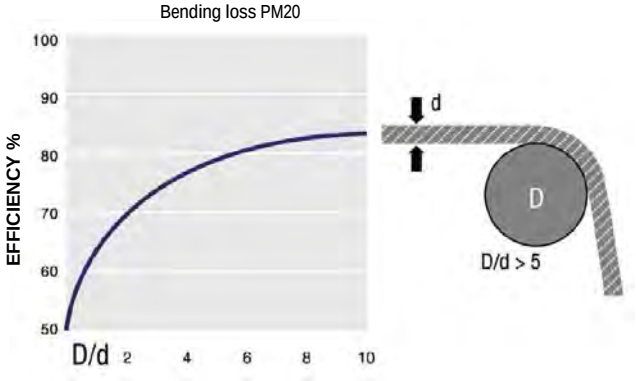
	DISTRESSED VEHICLES - GVW*			HILL OR GRADIENT TOWING - GVW*		
MONGOOSE BREAK FORCE (t)	TOWING FROM GENERAL MUDDY, SLIPPERY CONDITIONS	TOWING FROM MEDIUM BOGGED POSITION IN MUD	TOWING FROM HEAVY TO EXTREME ENTRENCHED POSITION	6° INCLINE LM GRADIENT OVER 10M DISTANCE (1:10)	10· INCLINE LM GRAIDENT OVER 6M DISTANCE (1:6)	15° INCLINE LM GRADIENT OVER 4M DISTANCE (1:4)
30	60	30	20	120	64	41
50	100	50	35	201	106	68
70	140	70	50	281	148	95
100	200	100	70	401	212	135
150	300	150	100	602	318	203
200	400	200	140	803	424	271
250	500	250	170	1004	529	338
300	600	300	200	1204	635	406
350	700	350	245	1405	741	474
400	800	400	280	1606	847	541
450	900	450	315	1807	953	609
500	1000	500	350	2007	1059	676

ROPE PROPERTIES; BENDING FATIGUE

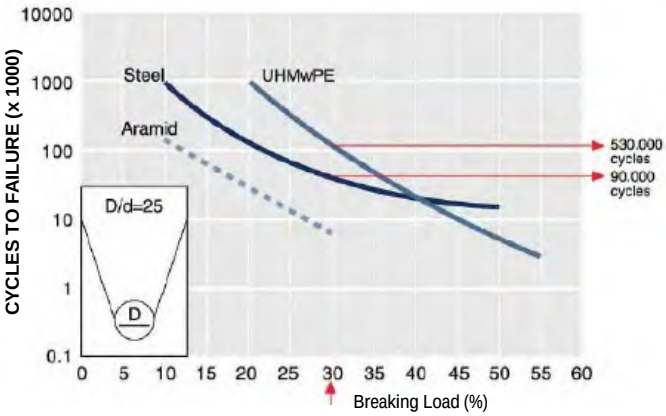
Sheaves should be smooth and clean (no rust)
Groove material can play an important role in life



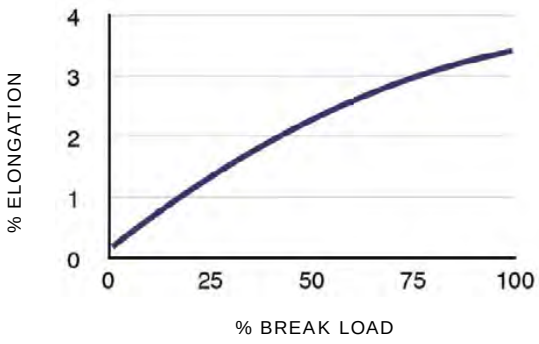
ROPE PROPERTIES; STATIC BENDING



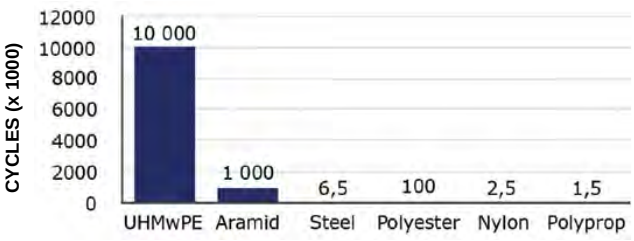
BENDING FATIGUE



ELONGATION VS BREAK LOAD



TENSION FATIGUE



TENSION FATIGUE

at 50% Minimum Breaking Load = Safe Working load



DONAGHYS
PERFORMANCE FIRST



MONGOOSE® VEHICLE RECOVERY TOW KITS 30-150T

FEATURES AND BENEFITS

- Available in 30T and 150T options suitable for light, medium or heavy vehicles. Water, environmental or rubbish removal trucks in remote areas
- Can be easily stored in tool boxes or under carriage/trailer compartments or behind the seat for smaller 4WD applications
- Safe and light weight Soft Shackle connects to shackles, D-Rings or dolly pins

APPLICATIONS

Suitable for use in light, medium or heavy applications and new road construction applications.

KIT CONTAINS

Heavy duty protective bag contains 1 x Mongoose® Recovery Strop & 2 x Soft Shackles.



CODE	DESCRIPTION	BAG CONTENTS	STROP LENGTH (m)	APPLICATION	KIT WEIGHT (kg)
BRY30TRK	Mongoose Recovery Kit Light Vehicle 30T	1 x 30T Strop, 2 x 30T Soft Shackles	6	Light Vehicle	6.8
BRY70TRK	Mongoose Recovery Kit Med Vehicle 70T	1 x 70T Strop, 2 x 70T Soft Shackles	6	Medium Vehicle	8.1
BRY150TRK	Mongoose Recovery Kit Heavy Vehicle 150T	30 1 x 150T Strop, 2 x 150T Soft Shackles	6	Heavy Vehicle	21.9



Light Vehicle Recovery Kit



Medium Vehicle Recovery Kit

CONSTRUCTION & MINING VEHICLE RECOVERY APPLICATIONS GROSS VEHICLE WEIGHT (GVW)

	DISTRESSED VEHICLES - GVW*			HILL OR GRADIENT TOWING - GVW*		
MONGOOSE BREAK FORCE (t)	TOWING FROM GENERAL MUDDY, SLIPPERY CONDITIONS	TOWING FROM MEDIUM BOGGED POSITION IN MUD	TOWING FROM HEAVY TO EXTREME ENTRENCHED POSITION	6° INCLINE LM GRADIENT OVER 10M DISTANCE (1:10)	11· INCLINE LM GRAIDENT OVER 6M DISTANCE (1:6)	18° INCLINE LM GRADIENT OVER 4M DISTANCE {1:4)
30	60	30	20	120	64	41
70	140	70	50	281	148	95
150	300	150	100	602	318	203

* The weight of a vehicle in tow based in Tonnes

FIBRE CHARACTERISTICS

FIBRE : TYPE	DESCRIPTION	SPECIFIC GRAVITY	SENSITIVE TO	RESISTANT TO	HEAT REACTION	STRENGTH & ELONGATION
NYLON (Polyamide)	Continuous Filament	1.14	Strong acids and oxidising agents, soluble in formic, sulphuric acids and phenolic compounds	Alkalis, alcohols, esters, hydrocarbons and most bleaches	Softens 229'C Melts 249'C - 260'C	Elongation Dry 40%. Wet 35%. 90-95% strength ratio weUdry
UHMWPE Ultra High Molecular Weight Polyethylene (UHMWPE)	Continuous Filament	0.97 g/cm3	Strong oxidising agents, Chlo-rosulfonic & Nitric acids at high temperatures. Slightly affected by Sodium Hydroxide (pH>14)	Most acids & alkalis, cold alcohols, ethers, esters, ketones & bleaches	Softens 144'C Melts 152'C	Equivalent weUdry strength ratio. Elongation 4 % at Break

DONAGHYS PERFORMANCE FIRST

MONGOOSE® D-LITE STROP ONLY

FEATURES AND BENEFITS

- Fibre strop replacement only
- Extreme strength-to-weight ratio, 50% lighter than conventional steel shackles
- Safer than conventional shackles with low risk of explosive disintegration, won't corrode or rust
- Longer lengths available on request



CODE	DESCRIPTION	GROSS DEPTH	GROSS WIDTH	GROSS HEIGHT	NET WEIGHT (kg)
RBRS125TMDLS	Mongoose D-Lite 125T Strop	0.60	0.60	0.40	2.10
RBRS175TMDLS	Mongoose D-Lite 175T Strop	0.65	0.65	0.45	3.40
RBRS275TMDLS	Mongoose D-Lite 275T Strop	1.10	1.10	0.50	6.40
RBRS350TMDLS	Mongoose D-Lite 350T Strop	1.20	1.20	0.60	8.80
RBRS500TMDLS	Mongoose D-Lite 500T Strop	1.50	1.50	1.40	14.50

DONAGHYS PERFORMANCE FIRST

MONGOOSE® D-LITE SHACKLE







FEATURES AND BENEFITS

- Extreme strength-to-weight ratio, 50% lighter than conventional steel shackles
- Safer than conventional shackles (low risk of explosive disintegration)
- Hydrophobic fibre crown maintains high strength around tight radius bends
- Integrated locking end cap with 10° off-centre loading limit
- High tensile steel alloy pins to suit most OEM recovery points

APPLICATIONS

Suitable for conventional shackle replacement, salvage and heavy vehicle towing & recovery.

CODE	DESCRIPTION	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	WEIGHT (kg)
RBRS125TMDLC	Mongoose Recovery D-Lite 125T Shackle	77	330	237	50	94	60	42	7.40
RBRS175TMDLC	Mongoose Recovery D-Lite 175T Shackle	88	330	265	58	110	70	+-46	11.0
RBRS275TMDLC	Mongoose Recovery D-Lite 275T Shackle	108	630	330	70	133	84	70	18.6
RBRS350TMDLC	Mongoose Recovery D-Lite 350T Shackle	122	630	380	80	157	95	80	30.0
RBRS500TMDLC	Mongoose Recovery D-Lite 500T Shackle	145	630	420	95	186	114	90	47.0

KEVLAR® RECOVERY TOW STROPS

The endless parallel lay configuration of the KEVLAR® fibres, coupled with high strength steel eyes encased in a thick, rubber cover, creates lightweight, rugged and very high break strength strops. From 0.3 metres up to 20 metres in length and ranging from 10-400 tonnes break strength, Black Snake KEVLAR® Recovery strops are suitable for most recovery situations in mine operations and heavy duty applications.



BLACK SNAKE KEVLAR® RECOVERY TOW STROPS

FEATURES AND BENEFITS

- Kevlar® K29 Very High Strength Inner Core
- Abrasion/Cut Resistant NR/BR Rubber Cover
- Low Stretch of 4% at MBS for Low Recoil
- Individual Serial Number & RFID Traceability

KEVLAR® RECOVERY TOW STROP 20t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSK-20	Black Snake 20 tonne MBS, Range 0.5 metre to 20 metre	20	Each	1



KEVLAR® RECOVERY TOW STROP 30t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSK-30	Black Snake 30 tonne MBS, Range 0.3 metre to 20 metre	30	Each	1



KEVLAR® RECOVERY TOW STROP 50t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSK-50	Black Snake 50 tonne MBS, Range 0.3 metre to 20 metre	50	Each	1



KEVLAR® RECOVERY TOW STROP 70t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSK-70	Black Snake 70 tonne MBS, Range 0.3 metre to 20 metre	70	Each	1





BLACK SNAKE KEVLAR® RECOVERY TOW STROPS

FEATURES AND BENEFITS

- Kevlar® K29 Very High Strength Inner Core
- Abrasion/Cut Resistant NR/BR Rubber Cover
- Low Stretch of 4% at MBS for Low Recoil
- Individual Serial Number & RFID Traceability

KEVLAR® RECOVERY TOW STROP 100t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSK-100	Black Snake 100 tonne MBS, Range 1 metre to 20 metre	100	Each	1



KEVLAR® RECOVERY TOW STROP 150t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSK-150	Black Snake 150 tonne MBS, Range 1 metre to 20 metre	150	Each	1



KEVLAR® RECOVERY TOW STROP 200t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSK-200	Black Snake 200 tonne MBS, Range 1 metre to 20 metre	200	Each	1



KEVLAR® RECOVERY TOW STROP 300t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSK-300	Black Snake 300 tonne MBS, Range 1.5 metre to 20 metre	300	Each	1



KEVLAR® RECOVERY TOW STROP C/W A & B FITTINGS 300t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSK-300AB	Black Snake 300 tonne MBS, 10 metre to 20 metre	300	Each	1



KEVLAR® RECOVERY TOW STROP C/W A & B FITTINGS EACH END 300t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSK-300BB	Black Snake 300 tonne MBS, 10 metre to 20 metre	300	Each	1



KEVLAR® RECOVERY TOW STROP 400t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSK-400	Black Snake 400 tonne MBS, 4 metre to 20 metre	400	Each	1



NYLON RECOVERY TOW STROPS

BLACK SNAKE NYLON RECOVERY TOW STROPS



FEATURES AND BENEFITS

- Nylon 6.6 High Tenacity Core
- Abrasion/Cut Resistant NR/BR Rubber Cover
- Smooth High Stretch of up to 20% for Kinetic Recovery
- Individual Serial Number for Traceability

NYLON RECOVERY TOW STROP 8-12t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSS-08	Black Snake 8 tonne MBS, 6 metre to 20 metre	8	Each	1
BSS-12	Black Snake 12 tonne MBS, 6 metre to 20 metre	12	Each	1



NYLON RECOVERY TOW STROP 20t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSS-20	Black Snake 20 tonne MBS, 3 metre to 20 metre	20	Each	1



NYLON RECOVERY TOW STROP 30t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSS-30	Black Snake 30 tonne MBS, 3 metre to 20 metre	30	Each	1



NYLON RECOVERY TOW STROP 50t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSS-50	Black Snake 50 tonne MBS, 3 metre to 20 metre	50	Each	1



NYLON RECOVERY TOW STROP 70t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSS-70	Black Snake 70 tonne MBS, 4 metre to 20 metre	70	Each	1



NYLON RECOVERY TOW STROP 100t

CODE	DESCRIPTION	MBS (t)	UOM	MIN. ORDER QTY
BSS-100	Black Snake 100 tonne MBS, 6 metre to 20 metre	100	Each	1



Twin-Path® slings are manufactured in Australia by Beaver Brands, (under licence from Slingmas), and are constructed with K-Spec® high performance fibres which will not stretch under load - enabling accurate control. The slings consist of a Covermax® outer cover, which is four times more abrasion resistant than other slings with standard polyester covers.

WEIGHT ADVANTAGE

- 80% lighter than steel wire rope/chain slings
- 50% lighter than polyester.

CONTROL OF SLINGS

- Lightweight allowing better control by operators.

STORAGE, RETRIEVAL AND SALVAGE

- Easy rolled and folded for storage
- Ease of transport.

WEAR RESISTANT COVERMAX® OUTER COVER WOVEN

- Outer cover fabric is more abrasive resistant than common nylon or polyester.

REDUCED RIGGING TIMES

- Up to 80% reduction in rigging times.

SAFETY

- Reduce exposure to back and work related injury.

PROTECTIVE SLEEVES

- Covermax® pads and sleeves available if required.

TELL TAILS / OPTICAL FIBRES

- Allows continual monitoring of sling safety.

APPLICATIONS

- Special and heavy lifts
- Mining, towing, lifting
- Marine - Naturally Buoyant - K-Spec® does not absorb moisture
- Power stations.



AUSTRALIAN MADE



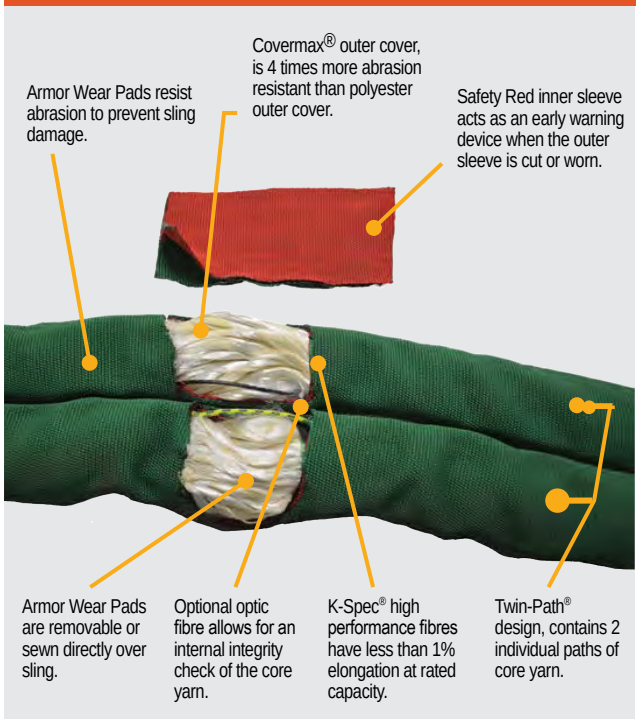
Twin-Path® Slings consist of two independent cores.





If the early warning indicators (EWI) is missing, the sling may be unfit for use.

SUPERIOR PATENTED DESIGN FEATURES



TWIN-PATH® TOW SLINGS

SLINGMAX RIGGING SOLUTIONS

TWIN-PATH® TECHNICAL SPECIFICATIONS

FEATURES AND BENEFITS

- High performance lifting sling
- Constructed with unique K-Spec® fibres
- Water resistant Covermax® cover
- 80% lighter than steel wire rope/chains
- Tell tails/optical fibres to monitor the safety of the sling
- 50% lighter than polyester



TWIN-PATH® CHART 5:1 - TOWING

CODE	MBS (kg)	TUBE WIDTH (mm)	WEIGHT PER METRE (kg)
TPXC5	25000	75	0.3608
TPXC6	30000	75	0.4330
TPXC8	40000	75	0.5773
TPXC10	50000	75	0.7216
TPXC12	60000	100	0.8659
TPXC15	75000	100	1.0824
TPXC20	100000	125	1.4432
TPXC25	125000	125	1.8040
TPXC30	150000	150	2.1648
TPXC35	175000	150	2.5256
TPXC40	200000	150	2.8864
TPXC45	225000	150	3.2472
TPXC50	250000	200	3.6080
TPXC55	275000	200	3.9688
TPXC60	300000	200	4.3296
TPXC65	325000	200	4.6904
TPXC70	350000	200	5.0512
TPXC75	375000	250	5.4120
TPXC80	400000	250	5.7728
TPXC85	425000	250	6.1336
TPXC90	450000	250	6.4944
TPXC95	475000	300	6.8552
TPXC100	500000	300	7.2160

CODE	MBS (kg)	TUBE WIDTH (mm)	WEIGHT PER METRE (kg)
TPXC105	525000	300	7.5768
TPXC110	550000	300	7.9376
TPXC115	575000	300	8.2984
TPXC120	600000	300	8.6592
TPXC125	625000	300	9.0200
TPXC130	650000	300	9.3808
TPXC135	675000	300	9.7416
TPXC140	700000	300	10.1024
TPXC145	725000	250 & 100	15.6948
TPXC150	750000	250 & 100	16.2360
TPXC155	775000	250 & 100	16.7772
TPXC160	800000	250 & 100	17.3184
TPXC165	825000	250 & 100	17.8596
TPXC170	850000	200 & 150	18.4008
TPXC175	875000	200 & 150	18.9420
TPXC180	900000	200 & 150	19.4832
TPXC185	925000	250 & 150	20.0244
TPXC190	950000	250 & 150	20.5656
TPXC195	975000	250 & 150	21.1068
TPXC200	1000000	250 & 150	21.6480
TPXC250	1250000	250 & 150	27.0600
TPXC300	1500000	200 & 200	43.2960

Note: Other lengths and sizes available on request.



BEAVER®

GRADE S SAFETY SHACKLE

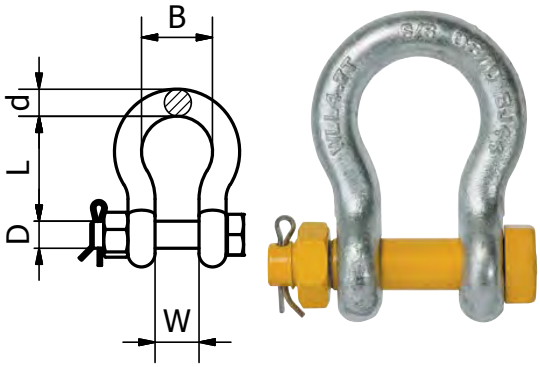
BOW TYPE

We stock an extensive range of shackles for an array of towing and recovery applications.

FEATURES AND BENEFITS

- Grade 'S' bow safety shackle
- Full traceability with markings
- Manufacturer conducts proof tests of shackles to guarantee quality

STANDARDS
Complies to AS2741



YELLOW PIN GRADE 'S' SAFETY PIN SHACKLES TO AS 2741

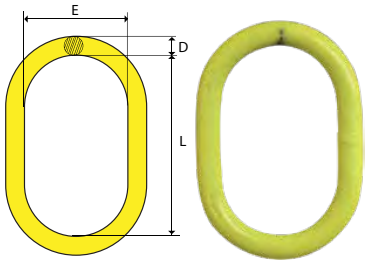
CODE	Size (mm)	WLL (t)	TYPE	SHAPE	CLOSING METHOD	DIA d (mm)	DIA PIN D (mm)	INSIDE WIDTH W (mm)	INSIDE LENGTH L (mm)	WIDTH OF BOW B (mm)	DIA BOSS B (mm)	APPROX WEIGHT (kg)	UOM	PACK QTY
244345	45 x 51	25	Grade S	Bow	Safety Pin	45	51	73	178	127	110	14.99	Each	1
244351	51 x 57	35	Grade S	Bow	Safety Pin	51	57	83	197	146	127	20.65	Each	1
244357	57 x 63	45	Grade S	Bow	Safety Pin	57	63	97	218	156	136	32.50	Each	1
244363	63 x 70	55	Grade S	Bow	Safety Pin	63	70	105	267	184	152	41.05	Each	1

GUNNEBO LIFTING

HEAD RINGS

CODE	WLL (t)	L (mm)	E (mm)	D (mm)	WEIGHT (kg)	MBS (t)
M-3632-10	56	350	200	55	20.47	224
M-4536-10	70	375	210	60	26.4	280
M90T-10	90	450	250	70	42.8	360
M-125T-10	125	450	260	80	57	500

Other sizes and styles available. Call your local branch for further information.

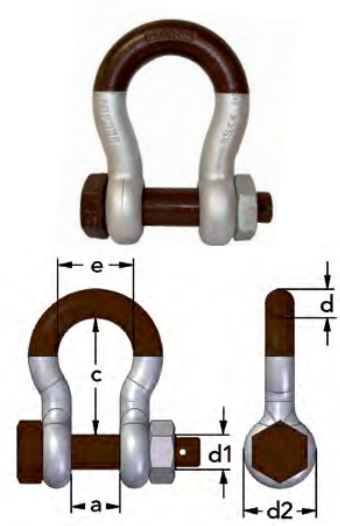


LIGHTWEIGHT SUPER SHACKLES #858

BOW TYPE

CODE	WLL (t)	D1 (mm)	DIM d (mm)	A (mm)	C (mm)	D2 (mm)	E (mm)	WEIGHT (kg)	MBS (t)
A085835	21	38	35	57	132	74	89	7	105
A085838	30	42	38	60	146	89	99	8.8	150
A085845	40	50	45	74	178	105	126	15	200
A085857	55	57	57	83	197	117	138	22	275
A085870	85	70	70	105	260	143	180	38	425
A085883	120	83	83	127	329	162	190	70	600
A085895	150	95	95	144	400	208	238	112	750

Other sizes and styles available. Call your local branch for further information.



DONAGHYS
PERFORMANCE FIRST

DONAGHYS SOFT UHMWPE SHACKLES

12 strand UHMwPE fibre Winchline hand knotted into adjustable soft shackle configuration



FEATURES AND BENEFITS

- HMPE Adjustable Shackle
- Versatile, safe and easy to use
- Perfect replacement for traditional steel rated shackles
- Manufactured to connect strops or slings to vehicles
- Soft, so will not damage of shatter if broken as with steel shackles

APPLICATIONS

Metal Shackle replacement

CODE	DESCRIPTION	WINCHLINE FINISHED SIZE	OPEN MIN. LENGTH	WEIGHT (kg)	WLL TONNES (4:1)
BRS30TSS	Soft Shackle 30T	34mm	1.5m	0.8	7.5
BRS50TSS	Soft Shackle 50T	40mm	1.5m	1.0	12.5
BRS70TSS	Soft Shackle 70T	48mm	1.5m	1.6	17.5
BRS100TSS	Soft Shackle 100T	60mm	1.5m	2.5	25.0
BRS150TSS	Soft Shackle 150T	76mm	1.5mm	4.9	37.5
BRS200TSS	Soft Shackle 200T	88mm	2.0mm	8.4	50.0
BRS250TSS	Soft Shackle 250T	104mm	2.0mm	13.6	62.5
BRS300TSS	Soft Shackle 300T	112mm	2.5mm	18.3	75.0
BRS350TSS	Soft Shackle 350T	120mm	2.5mm	26.5	87.5
BRS400TSS	Soft Shackle 400T	128mm	3.0mm	33.8	100.0
BRS450TSS	Soft Shackle 450T	136mm	3.0mm	39.5	112.5
BRS500TSS	Soft Shackle 500T	144mm	3.0mm	49.0	125.0





FIBRE CHARACTERISTICS

FIBRE : TYPE	DESCRIPTION	SPECIFIC GRAVITY	SENSITIVE TO	RESISTANT TO	HEAT REACTION	STRENGTH & ELONGATION
UHMWPE Ultra High Molecular Weight Polyethylene	Continuous Filament	0.97 g/cm3	Strong oxidising agents, Chlorosulfonic & Nitric acids at high temperatures. Slightly affected by Sodium Hydroxide (pH>14)	Most acids & alkalis, cold alcohols, ethers, esters, ketones & bleaches	Softens 144'C Melts 152'C	Equivalent wet/dry strength ratio. Elongation 4% at Break



BLACK RAT 4WD NYLON HEAVY DUTY RECOVERY (SNATCH-EM) STRAP KIT

FEATURES AND BENEFITS

- Specifically designed to recover your vehicle when bogged
- Has 20% stretch factor for ease of recovery
- Reinforced eyes for durability
- Supplied in carry bag

CODE	DESCRIPTION	MBS (kg)	WEIGHT (kg)	UOM	PACK QTY
342304BHK	Each kit contains, 9m x 60mm heavy duty snatch strap, leather safety gloves, 2 bow shackles 16 x 19mm 3.2t W.L.L., carry bag	9000	4.2	Each	1
342322BHK	Each kit contains, 9m x 75mm heavy duty snatch strap c/w **red overload indicator fibre, leather safety gloves, 2 bow** shackles 16 x 22mm 4.7t W.L.L., carry bag	12000	4.4	Each	1



BLACK RAT 4WD NYLON HEAVY DUTY (SNATCH-EM) STRAP

FEATURES AND BENEFITS

- Specifically designed to recover your vehicle when bogged
- Has 20% stretch factor for ease of recovery
- Reinforced eyes for durability

CODE	DESCRIPTION	MBS (kg)	WEIGHT (kg)	UOM	PACK QTY
342319B	9m x 60mm heavy duty	9000	2.38	Each	8
342322B	9m x 75mm heavy duty	12000	3.4	Each	8



BLACK RAT 4WD NYLON HEAVY DUTY RECOVERY STRAP

FEATURES AND BENEFITS

- Specifically designed to recover your vehicle when bogged
- Has 20% stretch factor for ease of recovery
- Reinforced eyes for durability

CODE	DESCRIPTION	MBS (kg)	WEIGHT (kg)	UOM	PACK QTY
342316	9m x 60mm heavy duty 2 ply	16000	3.9	Each	1
342318F	9m x 60mm heavy duty 4 ply	30000	7.7	Each	1



BLACK RAT 4WD POLYESTER WINCH EXTENSION STRAPS

FEATURES AND BENEFITS

- Extension strap to assist with long reach recovery situations
- Available in a variety of sizes and lengths
- Reinforced eyes for durability
- MBS 4000kg

CODE	DESCRIPTION	MBS (kg)	WEIGHT (kg)	UOM	PACK QTY
342305B	10m x 50mm winch extension strap	4000	1.35	Each	1
342306B	20m x 50mm winch extension strap	4000	2.47	Each	1
342308B	30m x 50mm winch extension strap	4000	3.42	Each	1



BLACK RAT 4WD SAFETY RECOVERY BAG KIT

FEATURES AND BENEFITS

- For all your recovery needs this complete 4WD recovery kit will get you out of a bogged situation

THE KIT CONTAINS

- 1 x 4WD recovery bag complete with reflective triangle
- 1 x 9m x 60mm heavy duty snatch strap
- 1 x heavy duty off road block to suit up to 11mm wire rope
- 1 x 3m x 75mm tree trunk protector with 12,000kgs MBS
- 1 x 5m x 25mm heavy duty ratchet tie down assembly with a lashing capacity of 500 kg to AS/NZS 4380
- 1 x 16 x 19mm screw pin bow grade shackle, W.L.L. 3.2t
- 1 x 19 x 22mm screw pin bow grade S shackle, W.L.L. 4.7t
- 1 pair of riggers leather gloves
- 1 x 4WD open wave mesh drying bag
- Recovery damper



CODE	DESCRIPTION	WEIGHT (kg)	UOM	PACK QTY
342350BK	Complete kit	11.6	Each	1

BLACK RAT 4WD TOWING KIT C/W CARRY BAG

FEATURES AND BENEFITS

- 4m polyester towing strap complete with reinforced eyes
- Includes vinyl carry bag
- This product has a built-in elasticised retention cord to minimise recoil
- MBS 12000kg



CODE	DESCRIPTION	MBS (kg)	WEIGHT (kg)	UOM	PACK QTY
342309BK	4m towing kit c/w carry bag	12000	3.5	Each	1



BLACK RAT BIGHAUL™ WIRE ROPE HOISTS

FEATURES AND BENEFITS

- Compact, high strength aluminium allooy housing
- Lightweight, safet and easy to operate

STANDARDS
Complies to AS1418.2

CODE	RATED CAPACITY PULLING (kg)	RATED CAPACITY LIFTING (kg)	WIRE ROPE DIA. (mm)	STD ROPE LENGTH (m)	ROPE ADVANCED PER FULL STROKE CYCLE (mm)	EFFORT ON HANDLE AT RATED LIFTING CAPACITY; FORWARD OPERATION. (kN)	NETT WEIGHT WIRE ROPE AND REEL (kg)	NETT WEIGHT WITHOUT WIRE ROPE (kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
518508	1250	800	8.3	20	60	284	7.5	7.5	430	165	230	60	800	N/A
518516	2500	1600	11	20	60	412	12	12	540	190	300	75	790	1200
518532	5000	3200	16	20	40	441	13	13	660	220	330	110	790	1200



BLACK RAT 4WD 2 TONNE CABLE PULLER

FEATURES AND BENEFITS

- Lightweight wire rope puller for 2t pulling capacity
- Heavy duty all steel construction
- Drop forged hooks complete with safety latches

CODE	DESCRIPTION	WEIGHT (kg)	UOM	PACK QTY
341002B	2t cable puller c/w 1.5m wire rope	3.8	Each	4



BLACK RAT 4WD OFF-ROAD BLOCK C/W VINYL CARRY BAG

FEATURES AND BENEFITS

- Cast iron cover plates for durability
- Accommodates up to 11mm wire rope
- MBS 8000kg
- Includes convenient carry bag

CODE	DESCRIPTION	WEIGHT (kg)	UOM	PACK QTY
514125B	Off-road block with carry bag	3.8	Each	1

BLACK RAT 4WD RECOVERY FOLDING SHOVEL



FEATURES AND BENEFITS

- Compact lightweight shovel
- Durable serrated blade for tough jobs
- Knurled collar to easily secure blades in position
- Complete with carry bag for storage
- Folded position 425mm x 152mm

CODE	DESCRIPTION	WEIGHT (kg)	UOM	PACK QTY
519507B	Folding shovel c/w carry bag	1.1	Each	20

BLACK RAT 4WD RATED BOW SHACKLES



FEATURES AND BENEFITS

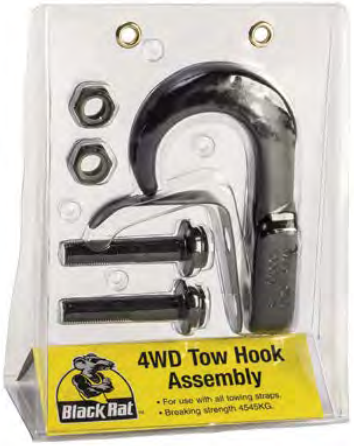
- High quality Grade S rated shackles

STANDARDS

Complies to AS2741

CODE	DESCRIPTION	WLL (t)	WEIGHT (kg)	UOM	PACK QTY
342216BK	16 x 19mm 4WD Grade S bow shackles	3.2	0.65	Each	1
342219BK	19 x 22mm 4WD Grade S bow shackles	4.7	1.115	Each	1

BLACK RAT 4WD TOWING HOOK ASSEMBLY



FEATURES AND BENEFITS

- Handy accessory allows easy coupling of recovery equipment
- Manufactured from forged steel and comes in black finish
- Complete with nuts, bolts and plate to suit standard tow bars
- MBS 4545kg

CODE	DESCRIPTION	WEIGHT (kg)	UOM	PACK QTY
519501B	Towing hook assembly (BLACK)	1.015	Each	6



BEAVER MULTI PURPOSE RATCHET TIE DOWN ASSEMBLY

When lashing down loads in a 4WD situation, it is important to use heavy duty reliable tie downs. Black Rat ratchet tie downs are fully tested with polyester webbing, reinforced eyes, steel hooks and keepers, and two protective wear sleeves. They comply to Australian and New Zealand Standards AS/NZS4380.

HEAVY DUTY RATCHET WITH NEW RUBBER GRIP

CODE	DESCRIPTION	WEIGHT (kg)	UOM	PACK QTY
349025RB	FItted with 5m x 25mm webbing and hook & keeper c/w protective sleeves. L.C. 500kg	0.85	Each	6



HEAVY DUTY RATCHET WITH NEW RUBBER GRIP

CODE	DESCRIPTION	WEIGHT (kg)	UOM	PACK QTY
349025RSB	FItted with 4m x 25mm webbing and black vinyl coated. "S" hooks c/w protective sleeves. L.C. 450kg	0.75	Each	6



HEAVY DUTY RATCHET WITH NEW RUBBER GRIP

CODE	DESCRIPTION	WEIGHT (kg)	UOM	PACK QTY
349035RB	Fitted with 6m x 35mm webbing and hook & keeper c/w protective sleeves. L.C. 1500kg	1.6	Each	5



HEAVY DUTY RATCHET WITH NEW RUBBER GRIP

CODE	DESCRIPTION	WEIGHT (kg)	UOM	PACK QTY
349035RSB	Fitted with 4m x 25mm webbing and black vinyl coated. "S" hooks c/w protective sleeves. L.C. 1000kg	1.5	Each	6



BLACK RAT 4WD GRADE 70 COMBINATION DRAG KITS



FEATURES AND BENEFITS

- Grade 70 high tensile strength chain
- Includes lug and slip hook
- Available sizes 8mm or 10mm

STANDARDS

Complies to AS/NZS 4344

CODE	DESCRIPTION	CHAIN SIZE (mm)	CHAIN LENGTH (m)	CHAIN PART NUMBER	GRAB HOOK PART NUMBER	LUG LINK PART NUMBER	SLIP HOOK PART NUMBER	LC (kg)	WEIGHT (kg)	UOM
412008BK	5m x 7mm with grab, lug link & slip hooks	8	5	145008	354008	353008	356008	3800	8.39	Each
412010BK	5m x 10mm with grab, lug link & slip hooks	10	5	145010	354010	353010	356010	6000	12.8	Each

BLACK RAT 4WD GRADE 70 DRAG CHAIN KITS



FEATURES AND BENEFITS

- Grade 70 high tensile strength chain
- Includes lug and grab hook
- Available sizes 8mm or 10mm

STANDARDS

Complies to AS/NZS 4344

CODE	DESCRIPTION	CHAIN SIZE (mm)	CHAIN LENGTH (m)	CHAIN PART NUMBER	GRAB HOOK PART NUMBER	LUG LINK PART NUMBER	LC (kg)	WEIGHT (kg)	UOM
410008BK	5m x 8mm with grab hook & lug link	8	5	145008	354008	353008	3800	8.03	Each
410010BK	5m x 10mm with grab hook & lug link	10	5	145010	354010	353010	6000	12.2	Each

GRUNT 12V AIR COMPRESSOR



FEATURES AND BENEFITS

- Portable inflator
- Car battery powered
- Compact & lightweight air compressor
- Includes convenient carry bag

CODE	DESCRIPTION	MAX. DUTY CYCLE	POWER SUPPLY (dc)	MAX PRESSURE (psi)	CURRENT (amps)	AIR FLOW (l/min)	CORD WITH BATTERY CLIPS	PU HOSE (m)	WEIGHT (kg)	UOM	PACK CARTON
GC400	12V air compressor max 85 litres/min. twin cylinder	40 min @ 40psi - 20°C	12V	150	30	84	2.4	5	4.5	Each	4







HEIGHT SAFETY 7

Be Safe.. Think B-Safe | EVOLVE | Tenacious ergodyne Work Gear | SKYLOTEC | IKAR | 3M

OUR RANGE OF HEIGHT SAFETY, FALL PROTECTION AND RESCUE EQUIPMENT ENABLES SUPERIOR PERFORMANCE

and unparalleled safety in elevated and confined space conditions, including work positioning, work restraint, vertical rescue, confined space entry, rope access, rescue, fall arrest, and emergency response.

KITS	538-540
HARNESSES	542-555
LANYARDS	556-565
INERTIA REELS	566-573
RESCUE	574-575
ANCHORS	576-579
HORIZONTAL SAFETY LINES	580-582
VERTICAL SAFETY LINES	585
STRAPS & TIE OFF ADAPTORS	586
HARDWARE	587-588
TOOL TETHERING & ACCESSORIES	589-597

HEIGHT SAFETY

AT BUNZL SAFETY & LIFTING WE ONLY PROVIDE THE BEST AND MOST ADVANCED HEIGHT SAFETY AND FALL PROTECTION PRODUCTS ON THE MARKET.

ALL PRODUCTS ARE TESTED AND LABELED ACCORDING TO AUSTRALIAN STANDARDS AND ARE SUPPLIED WITH THE NECESSARY INSTRUCTIONS FOR THEIR CORRECT USE.

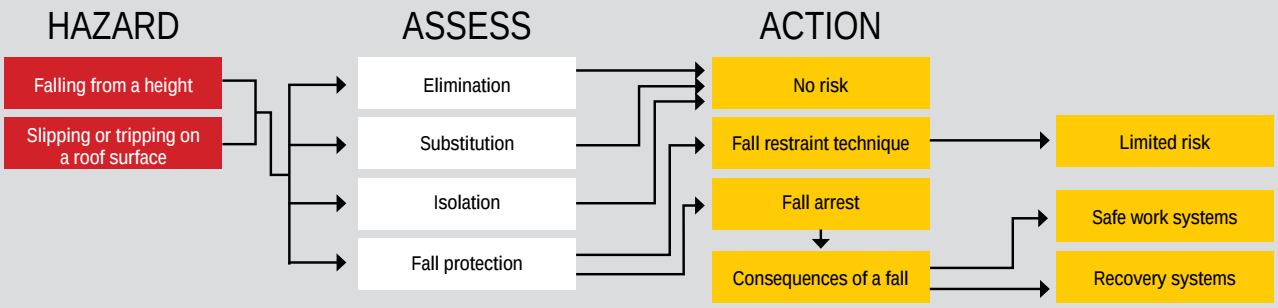


It is important that users of height safety equipment are competent when working at height and have appropriate training in the products used. All products are supplied with technical user manuals and these must be referred to prior to the equipment being used. These manuals cover all necessary safe use requirements and are regarded as the manufacturer's instructions for use.

RISK ASSESSMENT PROCEDURES

Risk assessments should be conducted prior to any work at height or confined space work being carried out to identify hazards that exist and the risks they pose.

AS/NZS 1891.4:2009 contains a hierarchy of control which provides an ideal platform for development of risk assessments. below is a sample risk assessment procedure for working at height.



Reference to local authorities is also recommended This table is only an example, with many other factors to be considered. Other hazards may include, but are not limited to: Nature of the work, surface materials, fragile roofing material, personal training levels, competency, weather conditions, surface conditions, etc. Reference should be made to AS/NZS 1891.4:2009 for the correct use, selection and maintenance criteria for height safety systems.

It is recommended that wherever possible a “restraint technique” system is used. This is a system where a person using fall arrest rated equipment, is prevented from reaching a position from where a fall is possible.

Relevant Australian/New Zealand standards listed below are recommended for further reading:
AS/NZS 1891.1 Personal Equipment For Work At Height - Part 1 - Manufacturing Requirements For Full Body Combination And Lower Body Harnesses. This is a manufacturing standard which specifies requirements for materials, design, manufacturing and testing of harnesses. Testing utilises 100kg mass – users of greater mass should consult manufacturer.

- **AS/NZS 1891.2 Personal Equipment For Work At Height - Part 2 - Horizontal Lifeline And Rail Systems.**
- **AS 1891.3 Personal Equipment For Work At Height - Part 3 - Manufacturing Requirements For Fall-Arrest Device.**
- **AS/NZS 1891.4 Industrial Fall-Arrest Systems And Devices - Part 4 - Selection, Use And Maintenance.**
- **AS 1891.5 Personal Equipment For Work At Height - Part 5 - Manufacturing Requirements For Lanyard Assemblies And Pole Straps.**

These standards are to be used as a guide to form safe work procedures but they are not all inclusive.

GENERAL PRINCIPLES OF SAFELY WORKING AT HEIGHTS

WORK SITES TODAY POSE HAZARDS THAT CAN CAUSE SERIOUS HARM.

The obligation to end each day safely is everyone's responsibility; employers and employees. An awareness of the hazards at workplaces allows them to be safely addressed.

This principle has been used in many very high risk occupations for some time, and the benefits have been rewarding with a noticeable reduction in accident statistics. A risk assessment and hazard reduction program should be used by all working at height. Identification of the hazards is key to working safely – avoiding injury or death.

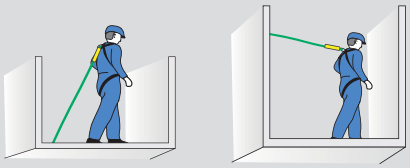


GENERAL TERMINOLOGY

USED IN FALL PREVENTION

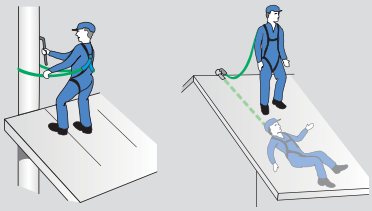
RESTRAINT TECHNIQUE

Control of a person's movement by means of a combination of harness and shock absorbing lanyard connected to an anchor point that will physically prevent the person from reaching a position at which there is a risk of a free fall.



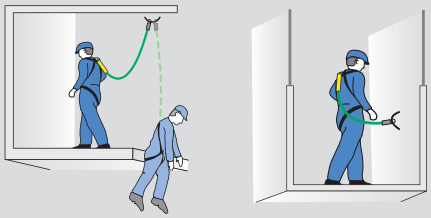
RESTRAINED FALL / RESTRAINED FALL-ARREST

A fall or the arrest of a fall where the person suffering the fall is partially restrained by a restraining device such as a pole strap under tension, or is sliding down a slope on which it is normally possible to walk without the assistance of a handrail or hand line.



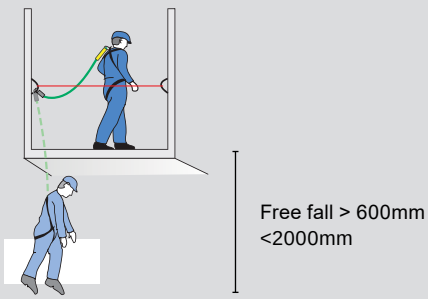
LIMITED FREE FALL

A fall or the arrest of a fall where the free fall distance prior to the system taking the load does not exceed 600mm.



FREE FALL ARREST

A fall or the arrest of a fall where the fall distance prior to the fall arrest system taking any load exceeds 600mm, either vertically or on a slope on which it is not possible to walk without assistance of a handrail or hand line. The maximum free fall distance permitted with a shock absorbing lanyard is 2m. (Refer notes on fall clearances).



FALL ARREST CONSIDERATIONS

IN ALL CASES, WHEN WORKING AT HEIGHT USING FALL ARREST EQUIPMENT IT IS ESSENTIAL THAT THERE BE ADEQUATE CLEARANCE UNDER THE AREA OF WORK, SO THAT IN THE EVENT OF A FALL THE USER WILL NOT STRIKE THE GROUND OR ANY OTHER HAZARDOUS OBJECTS.

If it is assessed that the occurrence of a fall would endanger the user then other fall protection systems must be considered. This may include the use of shorter shock absorbing lanyards, retracting lanyards, relocating the anchor point or adjustable lanyards. In each case the fall clearance must be identified and the hazards associated with fall clearance eliminated.

The benefits of reducing free fall distances are multiple. If the free fall distance is reduced, then the load on the system and the person are reduced. Also the recovery method may be simplified and time may be significantly reduced.

Wherever possible, the attachment point for a fall arrest system should be located above the attachment point on the users harness. When this is not possible the shock absorbing lanyard length must be reduced to ensure that the maximum fall distance of the user is limited to 2m (Consult AS/NZS 1891.4 cl 8.1). A user should never climb above the attachment point using a fall arrest shock absorbing lanyard as this only adds to the free fall distance which may take it over the permitted 2m.



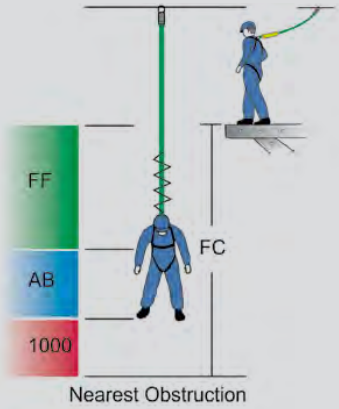
SHOCK ABSORBING LANYARDS / INERTIA REELS – FALL CLEARANCES

FALL CLEARANCES FOR SHOCK ABSORBING LANYARDS

FC	=	Foot Clearance
FC	=	FF + AB + 1000
FF	=	Free Fall (Maximum Allowed 2000mm Before Activation) Add 250mm For Harness Slippage.
AB	=	Shock Absorber Extension AS/NZS 1891.4 Advises that this can be Estimated using FF Which Reduces FC accordingly.

FF	AB
600mm	300mm
1000mm	500mm
1500mm	600mm
2000mm	900mm

1000mm Standard Safety Clearance Figure.

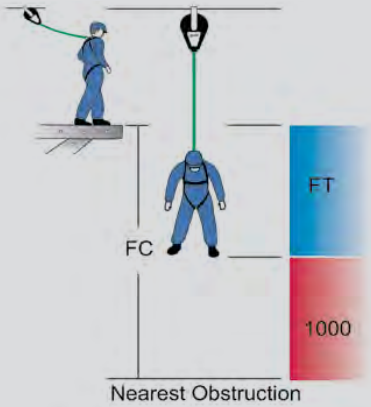


FALL CLEARANCES FOR INERTIA REELS

FC	=	FT + 1000
FC	=	Foot Clearance
FT	=	Fall Total (Free Fall, Activation and Declaration to be 1.4M max) Add 250mm Harness slippage.

AS/NZS 1891.4:2009 advises that this can be estimated at 700mm + stretch and slide.

1000mm standard safety clearance figure.



TRAINING SERVICES

TOGETHER WITH OUR SUPPLY PARTNERS, WE OFFER NATIONALLY RECOGNISED COMPETENCY-BASED TRAINING COURSES IN HEIGHT SAFETY AND FALL PREVENTION.

Courses such as the basic use and maintenance of height safety systems, fall arrest training, confined space and rescue techniques, and the use of breathing apparatus, can be provided at some of our branches or at your site, providing you meet minimum attendance numbers required.

Some of the popular accredited courses offered include:

» Height Safety Operator
» Working Safely at Heights (WSAH) - Including Rescue
» Height Safety Refresher
» Enter Confined Space
» Confined Space Non-Entry (Rescue Techniques)

Bunzl Safety & Lifting can also offer hands-on product training and tool-box style talks through our B-Safe mobile demonstration trailer on a periodic basis by request. These demonstration trailers are fitted with drop test and force measuring instruments to demonstrate arresting forces that workers would experience during a fall.

This training consists of comprehensive user product demonstrations to educate users on height safety and fall prevention processes and equipment. Product demonstrations include fitting a harness, selection of equipment, user inspections and a rescue demonstration based on the 5 basic competency elements of height safety:

- Body Harnesses
- Shock Absorbing Lanyards
- Anchors
- Fall Rescue
- Education

For further information and advice on any of the above training options, please contact your local Bunzl Safety & Lifting representative.



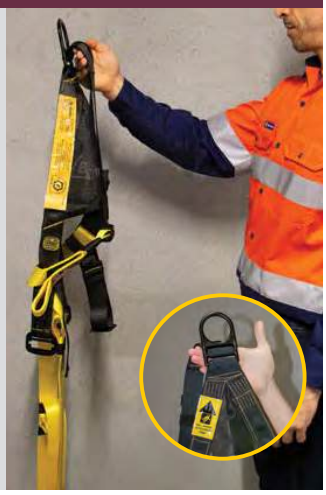
HARNESS FITTING INSTRUCTIONS

BEFORE USING THE B-SAFE HARNESS, USERS SHOULD DO A PRE-INSPECTION OF THE HARNESS

Including webbing, metal fittings, connection points and labels should be checked for damage. Refer to your B-Safe instruction booklet and, if in any doubt, contact your supervisor, supplier or B-Safe for advice. The date of entry into service should be recorded in the instruction booklet provided.

STEP 1

Hold the harness by the rear dorsal connection D-ring and gently shake the harness to untangle the straps. Ensure the leg straps are free and not buckled up. Ensure all straps are fully extended. Whilst holding the harness by the dorsal D-ring, carry out a pre-use inspection of the components, webbing, stitching and buckles. Check labeling to identify the withdrawal-from-service date has not passed.



STEP 2

Hold the harness with the dorsal D-ring facing away from you, place the shoulder straps of the harness over your hands (as shown) and hold the harness open.



STEP 3

Rotate harness and insert elbow into arm loop and then place arm through the loop, release shoulder strap and place other arm through the other shoulder loop and let harness fall onto the shoulders. Ensure the harness is fitted correctly without any webbing twists over the shoulders.



STEP 4

Buckle all straps prior to adjusting the fit. Locate chest strap and pass the smaller buckle plate through the other chest strap buckle (as shown in the "How to assemble buckles" diagrams). Hold buckle and pull webbing to tighten straps to a firm and comfortable fit and slide keepers along the leg strap webbing to hold free webbing.



STEP 5

Locate the leg straps and ensure the left leg strap is connected to the left hip buckle and the right leg strap is connected to the right hip buckle. Ensure the straps are not twisted and the loose webbing end is always on the outside, away from the body. Hold buckle and pull webbing to tighten straps to a firm and comfortable fit and slide keepers along the leg strap webbing to hold free webbing.



STEP 6

Adjust shoulder straps first to ensure that the rear dorsal D-ring is located between the shoulder blades in the centre of the back. Then adjust chest and leg straps to a firm fit, and slide webbing keepers along to hold free webbing in place. When using the front attachment points, both loops must be connected as per AS/NZS 1891.1.



Content courtesy of B-Safe





TRADIE ROOFERS KIT

FEATURES AND BENEFITS

- Compact kit in sturdy backpack for easy transportation and storage
- Full body all-purpose roofers harness with front & rear attachment points
- Designed to suit most roofing applications

KIT COMPONENTS

- BH01120TRAD - Fall Arrest Harness
- BS010115TRAD - Rope Safety Line - 15m Kernmantle Rope with eye on one end and fitted with manual rope adjuster with built in energy absorber
- BP03101.5 - 1.5m Webbed Attachment Strap - rated for 1 Person
- BSK0003-16 - 2 x Alloy Steel Twist Lock Karabiners
- B-Safe Tradie Backpack

STANDARDS
AS 1891.5:2020 certified product (Lanyard). AS/NZS 1891.1:2020 (Harness).
ANSI Z359.12-2009 (Karabiner). Batch tested & visually inspected.
All raw materials conform to relevant standards.

CODE	CAPACITY	STOCK
BK061215TRAD	140kg	S



PROFESSIONAL ROOFERS KIT

FEATURES AND BENEFITS

- Compact kit in sturdy backpack for easy transportation and storage
- Full body all-purpose roofers harness with front & rear attachment points
- Designed to suit most roofing applications
- Adjustable shock absorbing lanyard is rated to 50kg - 140kg to protect lower & upper user mass
- Includes suspension trauma straps

KIT COMPONENTS

- BH01120 - Fall Arrest Harness
- BS010115A - 15m Kernmantle Rope Safety Line - with Snap Hook & Manual Rope Adjuster
- BP03102 - 2m Webbed Attachment Strap - rated for 1 Person
- BL01112PRO-ADJ - 2m Heavy Duty Adjustable Shock Absorbing Lanyard with Snap Hooks
- BSK0003-16 - Alloy Steel Twist Lock Karabiner
- BA00024 - Suspension Trauma Straps
- B-Safe Backpack

STANDARDS
AS 1891.5:2020 certified product (Lanyard). AS/NZS 1891.1:2020 (Harness).
ANSI Z359.12-2009 (Karabiner). Batch tested & visually inspected.
All raw materials conform to relevant standards.

CODE	CAPACITY	STOCK
BK061015PRO	140kg	S





CONSTRUCTION KIT

FEATURES AND BENEFITS

- Compact kit in sturdy bag for easy transportation, storage & use on construction sites
- Ease of use, ensuring that workers comply with construction site requirements
- Full body fall arrest harness with front and rear attachment points
- Manulink for quick and easy connection to anchor point

KIT COMPONENTS

- BH01120 - Fall Arrest Harness
- BL01112HD - 2m Shock Absorbing Lanyard
- BFK08 - 140mm Manulink
- BA0351 - Sturdy B-Safe Bag
- BA00040 - Stowage Point B-Safe

STANDARDS
AS 1891.5:2020 certified product (Lanyard). AS/NZS 1891.1:2020 (Harness).
ANSI Z359.12-2009 (Karabiner). Batch tested & visually inspected.
All raw materials conform to relevant standards.

CODE	CAPACITY	STOCK
BK072000	140kg	M



WELDERS KIT

FEATURES AND BENEFITS

- Kit specifically designed for hot works environments
- Easily assembled components
- Simple system for occasional use
- All in one kit, no further components required
- Suitable for welders

KIT COMPONENTS

- BA0351 - Bag
- BH01120K-QB - Harness
- BL01662kHD - Shock Absorbing Lanyard
- BSK0003-16 - Karabiner
- BFK08 - 140mm Manulink

STANDARDS
AS 1891.5:2020 certified product (Lanyard). AS/NZS 1891.1:2020 (Harness).
ANSI Z359.12-2009 (Karabiner). Batch tested & visually inspected.
All raw materials conform to relevant standards.

CODE	CAPACITY	STOCK
BK080009	140kg	M



ELECTRICAL WORKERS KIT

FEATURES AND BENEFITS

- Compact kit in sturdy bag for easy transportation & storage
- Kit designed for tower, pole & electrical work
- Full body tower workers harness with back support for positioning & QB quick release buckles
- Contains 2.5m pole strap

KIT COMPONENTS

- BH05200-QB - Tower Workers Harness
- BL05332.5 - Retracting Lanyard
- BP02112.5 - Pole Strap
- BP03102 - Attachment Strap
- BA0580 - B-Safe Large Gear Bag

STANDARDS
AS 1891.5:2020 certified product (Pole strap). AS/NZS 1891.1:2020 (Harness).
ANSI Z359.12-2009 (Karabiner). AS1891.3:2020 (SRL).
Batch tested & visually inspected. All raw materials conform to relevant standards.

CODE	CAPACITY	STOCK
BK073000	100kg	M



ELEVATED WORK PLATFORM KIT

FEATURES AND BENEFITS

- Designed for all operators/users of Elevated Work Platforms (EWPs) such as scissor lifts, boom lifts & forklift safety cages
- All purpose full body harness
- Self retracting lanyard with built in shock absorber

KIT COMPONENTS

- BMIC02-130AT - Retractable Lanyard Arresto
- BH01120 - Harness
- BSK0002TC-16 - Karabiner Steel Triple Action
- BA0351 - B-Safe Bag

STANDARDS
AS 1891.3:2020 certified product (SRL). AS/NZS 1891.1:2020 (Harness).
ANSI Z359.12-2009 (Karabiner). Batch tested & visually inspection.
All raw materials conform to relevant standards.

CODE	CAPACITY	STOCK
BK080010	100kg	M



MINERS KIT

FEATURES AND BENEFITS

- Miners specialty kit
- Reflective harness suitable for miners
- Adjustable lanyards suited for short & long applications
- Included triple action karabiners for anchoring & attachment hardware

KIT COMPONENTS

- BH02030R-QB - Harness with reflective tape
- BL02402A - Adjustable Rope Lanyard
- BSK002TC-16 - 2 x Karabiner
- BP03001.5 - Tie Off Adaptor
- BL07662HD - Shock Absorbing Lanyard
- BA0351 - Sturdy B-Safe Bag

STANDARDS
All components 100% visually inspected. Harness complies to AS/NZS1891.1.
All raw materials conform to safety standards.
D-Rings and buckles are batch tested to destruction.

CODE	CAPACITY	STOCK
BK08012	50kg - 140kg	M



ROOFERS COMPLIANCE KIT

FEATURES AND BENEFITS

- Complete fall protection kit
- Contains Pro Climbing Harness suited to rigging, rescue, construction, elevated work platforms & access work
- Medium Pro™ Climbing Harness
- Heavy duty backpack storage bag

KIT COMPONENTS

- CS 2 G-AUS-0902 - Safety Harness
- AUS-0750-15 - Safety Line 15m
- LOOP 26 kN L-0008-1 - Anchor Strap
- L-AUS-0005 - Shock Pack
- HARNESS BACKPACK PROTON
- OVALSTEEL SC H-037 Karabiner

STANDARDS
All components 100% visually inspected. Harness complies to AS/NZS1891.1.
All raw materials conform to safety standards.
D-Rings and buckles are batch tested to destruction.

CODE	CAPACITY	STOCK
SKSET-AUS0006	1 Person	S



ROOF WORX KIT & RESCUE

FEATURES AND BENEFITS

- Complete fall protection kit
- Includes lightweight harness and adjuster on Kernmantle rope
- Also includes Sirius Descender, 2 x anchor slings, 2 x steel karabiners and rope guard
- Nylon water resistant backpack bag provided

KIT COMPONENTS

- CS3 Harness
- SK3 adjuster on 30m kernmantle rope
- Sirus descender abseiling device (can be used for rescue in an emergency)
- 2 x 1.5m continuous loop 26kN anchor sling
- 2 x oval steel SC 22kN karabiners
- Rope guard
- Nylon water resistant backpack bag

STANDARDS
All components 100% visually inspected. Harness complies to AS/NZS1891.1.
All raw materials conform to safety standards.
D-Rings and buckles are batch tested to destruction.

CODE	CAPACITY	STOCK
SKSET-AUS0008	1 Person	S



CONSTRUCTION WORKERS KIT

FEATURES AND BENEFITS

- Complete construction workers fall protection system
- Convenient solution to ensure compliance
- Ideal for the first time or occasional user of height safety equipment
- Handy durable kit storage

KIT COMPONENTS

- 380M-0018 - Delta All Purpose Harness
- 3101000 - Talon 2.4m Retractable Lanyard
- Z90203636 - 2m Shock Absorbing Lanyard
- E849-015 - 1.5m Tie Off Adaptor
- Equipment Bag

STANDARDS
All components 100% visually inspected. Harness complies to AS/NZS1891.1.2007
All raw materials conform to safety standards.
D-Rings and buckles are batch tested to destruction.

CODE	CAPACITY	STOCK
3M19000004	136kg	S







ALL PURPOSE PLUS HARNESS

FEATURES AND BENEFITS

- Lightweight, comfortable & easily adjustable
- Integrated Suspension Relief Straps
- Innovative webbing includes embedded red yarn that becomes visible in the presence of integrity issues
- Fall indicators & quick connect buckles
- ID cover pouch and built in lanyard keepers
- Rear D-ring & front fall arrest point

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and proof loaded.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH01120PLUS	One size	S

Other sizes available to order.





ALL PURPOSE HARNESS

FEATURES AND BENEFITS

- Lightweight & comfortable
- Rear D-ring & front attachment loops above
- Shoulder adjuster
- Fully adjustable

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH01120	M	S

Other sizes available to order.





ALL PURPOSE HARNESS WITH CENTRE CHEST STRAP

FEATURES AND BENEFITS

- Lightweight & comfortable
- Rear D-ring & front attachment loops above
- Shoulder adjuster
- Fully adjustable
- Centre chest strap design

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH01115	M	M

Other sizes available to order.





ALL PURPOSE HARNESS WITH FRONT D-RING RESCUE

FEATURES AND BENEFITS

- Lightweight & comfortable
- Rear D-ring & front attachment loops above
- Shoulder adjuster
- Fully adjustable
- Front D-ring rescue

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH01116	M	M

Other sizes available to order.



ALL PURPOSE HARNESS WITH WAIST STRAP

FEATURES AND BENEFITS

- Lightweight & comfortable
- Rear D-ring & front attachment points
- Fully adjustable leg & shoulder straps
- Side D-rings for pole strap

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH01121	M	S

Other sizes available to order.



ALL PURPOSE HARNESS WITH EXTENSION D-RING

FEATURES AND BENEFITS

- Lightweight & comfortable
- Rear D-ring & front attachment loops above shoulder adjuster
- Fully adjustable
- Front D-ring rescue
- Rear extension D-ring

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH01124	Unisize	S



ALL PURPOSE HARNESS WITH WIRE ROPE LANYARD

FEATURES AND BENEFITS

- Lightweight & comfortable
- Comes with 2m PVC coated wire shock absorbing
- Lanyard permanently attached to rear D-ring
- Fully adjustable leg & shoulder straps
- Front fall arrest loops

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH01132	M	S

Other sizes available to order.



ALL PURPOSE HARNESS WITH WEB LANYARD & WAIST STRAP

FEATURES AND BENEFITS

- Lightweight & comfortable
- 2m web shock absorbing lanyard permanently attached to the rear D-ring
- Fully adjustable leg, shoulder, chest & waist straps
- Side D-rings for pole strap
- Front fall arrest loops

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH01112	M	S

Other sizes available to order.



ALL PURPOSE HARNESS WITH WEB LANYARD

FEATURES AND BENEFITS

- Lightweight & comfortable
- Front attachment loops
- 2m web shock absorbing lanyard permanently attached to the rear D-ring
- Fully adjustable leg, shoulder & chest straps

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH01151	M	S

Other sizes available to order.



ALL PURPOSE CROSSOVER HARNESS

FEATURES AND BENEFITS

- Lightweight & comfortable
- Front attachment loops
- Unique cross over design for superior comfort
- Fully adjustable leg, shoulder & chest straps

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and batch tested
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH01118	M	S

Other sizes available to order.





P50 FIRST FALL ARREST HARNESS

FEATURES AND BENEFITS

- Rear fall arrest rated D-ring
- Pass-thru buckles on chest & leg straps
- Polyester web construction
- Easy adjust torso buckle
- Front fall arrest / belay loops
- Bonus harness storage bag

STANDARDS
AS/NZS 1891.1

CODE	SIZE	STOCK
3M-1390061A	M	S

Other sizes available to order.



CONFINED SPACE HARNESSES

B-Safe

QUICK RELEASE BUCKLE RANGE



SWIFT QB CONFINED SPACE HARNESS

FEATURES AND BENEFITS

- Extension strap - Compact design with fall indicator (when using dorsal extension maximum shock absorbing lanyard, length should be 1.6m)
- Included suspension trauma straps
- Zinc plated mild steel 2 bar 3 bar buckles to shoulders
- Efficient high capacity (25kN) quick connect buckles to chest & legs
- Colour fast webbing
- Labelling fully protected by clear PVC

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH02020-QB	M	S

Other sizes available to order.

B-Safe EVOLVE

QUICK RELEASE BUCKLE RANGE



EVOLVE CONFINED SPACE HARNESS

FEATURES AND BENEFITS

- Comfort padding on soft twill, water repellent webbing
- Heavy duty aluminium hardware
- Fully adjustable posilock front D-ring
- Fully adjustable leg & shoulder straps

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH02020QB-EVOLVE	M	S

Other sizes available to order.

B-Safe EVOLVE

DIELECTRIC RANGE



EVOLVE CONFINED SPACE DIELECTRIC HARNESS

FEATURES AND BENEFITS

- Comfort padding on soft twill, water repellent webbing
- 9kV dielectric resistant hardware
- Fully adjustable posilock front D-ring
- Adjustable leg & shoulder straps

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and batch tested
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH02020DE-EVOLVE	M	M





3M PROTECTA



3M PROTECTA P200 RIGGERS HARNESS

FEATURES AND BENEFITS

- Quick connect buckles
- Rear fall arrest D-ring
- Confined space loops
- Universal size
- Full body harness
- Lanyard keepers
- Suspension relief straps

STANDARDS
AS/NZS 1891.1

CODE	SIZE	STOCK
3M1130116	Unisize	S

Other sizes available to order.

SKYLOTEC



ARG 30 2 POINT HARNESS

FEATURES AND BENEFITS

- Lightweight
- Self adjusting confined space loops
- Simple donning & removal

STANDARDS
AS/NZS 1891.1

CODE	SIZE	STOCK
SKG-AUS-0030	Unisize	S

UTILITIES HARNESSES

B-Safe EVOLVE — QUICK RELEASE BUCKLE RANGE



EVOLVE POLE WORK HARNESS

FEATURES AND BENEFITS

- Comfort padding on soft twill, water repellent webbing
- Heavy duty aluminium hardware
- Fully adjustable posilock front D-ring
- Comfort padded supporting waist belt with side D-rings
- Fully adjustable leg & shoulder straps

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH02030QB-EVOLVE	M	M

B-Safe EVOLVE — DIELECTRIC RANGE



EVOLVE POLE WORK DIELECTRIC HARNESS

FEATURES AND BENEFITS

- Comfort padding on soft twill, water repellent webbing
- 9kV dielectric resistant hardware
- Fully adjustable posilock front D-ring
- Adjustable leg & shoulder straps

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH02030DE-EVOLVE	M	M

B-Safe EVOLVE — QUICK RELEASE BUCKLE RANGE



EVOLVE UTILITIES HARNESS

FEATURES AND BENEFITS

- Comfort padding on soft twill, water repellent webbing
- Heavy duty aluminium hardware
- Comfort padded supporting waist belt with side D-rings
- Fully adjustable posilock front D-ring
- Functional drop down seat with D-rings
- Fully adjustable leg & shoulder straps

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH04055QB-EVOLVE	M	M

Other sizes available to order.

B-Safe EVOLVE — DIELECTRIC RANGE



EVOLVE UTILITIES DIELECTRIC HARNESS

FEATURES AND BENEFITS

- Comfort padding on soft twill, water repellent webbing
- 9kV dielectric resistant hardware
- Fully adjustable posilock front D-ring
- Comfort padded supporting waist belt with side D-rings
- Functional drop down seat with D-rings

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH04055DE-EVOLVE	M	M

B-Safe

QUICK RELEASE BUCKLE RANGE



SWIFT QB POLE WORKERS HARNESS

FEATURES AND BENEFITS

- Manufactured from a lightweight, comfortable & durable webbing
- Inclusion of suspension trauma straps
- Anti-slide pin in quick connect buckle reduces webbing creep
- Dorsal extension strap
- Adjustable waist belt fitted with work positioning side D-rings
- Sub-pelvic strap prevents harness peeling off

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH02030-QB	M	S

Other sizes available to order.

B-Safe

QUICK RELEASE BUCKLE RANGE



SWIFT QB UTILITIES HARNESS

FEATURES AND BENEFITS

- Dorsal extension strap
- Drop down seat with side D-rings
- Comfort, support & work positioning
- Efficient high capacity (25kN) quick connect buckles to chest & legs
- Colour fast webbing
- Labelling fully protected by clear PVC

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH04055-QB	M	M

Other sizes available to order.

B-Safe

QUICK RELEASE BUCKLE RANGE



SWIFT QB TOWER WORKER HARNESS

FEATURES AND BENEFITS

- Padded back support & thigh straps
- Tool loops
- Fall arrest extension strap for ease of connection
- Side D-rings
- Front fall arrest D-rings
- Confined space recovery loops
- Fully adjustable thigh, shoulder, & waist straps
- Fitting instructions available through QR code on harness

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH05200-QB	M	M

B-Safe

QUICK RELEASE BUCKLE RANGE



EVOLVE TOWER WORKER HARNESS

FEATURES AND BENEFITS

- Padded back support & thigh straps
- Tool loops
- Fall arrest extension strap for ease of connection
- Side D-rings
- Front fall arrest D-rings
- Confined space recovery loops
- Fully adjustable thigh, shoulder, & waist straps
- Fitting instructions available through QR code on harness

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH05200QB-EVOLVE	M	M

SKYLOTEC





IGNITE NEUTRON HARNESS

FEATURES AND BENEFITS

- Multiple adjustment points allowing optimal fit
- Unique load distribution adjuster
- 2 x sets of pole strap attachment points
- Alloy & stainless hardware minimises risk of corrosion
- Octa-lock buckles are 100% non-slip
- INO-Protection repellent webbing

STANDARDS
AS/NZS 1891.1

CODE	SIZE	STOCK
SKG-AUS-1162	XS-5XL	S

Other sizes available to order.

3M PROTECTA





P50 FIRST CONSTRUCTION HARNESS

FEATURES AND BENEFITS

- Multiple attachment points
- Front, rear, side D-rings for multiple
- Shoulder retrieval attachment points
- Added comfort
- Waist belt & padded hip / lower back pad work positions

STANDARDS
AS/NZS 1891.1

CODE	SIZE	STOCK
3M1390062A	M	S





HOT WORKS HARNESSES

B-Safe

FULL FIRE RESISTANT HARNESSES



HOT WORKS ALL PURPOSE HARNESS

FEATURES AND BENEFITS

- Full fire resistant harness
- Colour fast webbing
- Fully adjustable leg, shoulder & chest straps
- Rear breathable mesh panel
- Clear & protected instructional labelling
- Quick connect buckles

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH01120K-QB	M	M

Other sizes available to order.

B-Safe

FULL FIRE RESISTANT HARNESSES



HOT WORKS CONFINED SPACE HARNESS

FEATURES AND BENEFITS

- Full body harness front & rear fall arrest attachments
- Full fire resistant harness
- Fall indicator, confined space recovery loops suspension trauma
- Dorsal extension
- Quick connect buckles

STANDARDS
AS/NZS 1891.1:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BH02020K-QB	M	M

Other sizes available to order.

3M DBI SALA



DELTA WELDERS HOT WORKS HARNESS

FEATURES AND BENEFITS

- No-tangle design
- Nomex®/ Kevlar® fibre webbing
- Dielectric hardware
- Protected labels, equipped with i-Safe™
- Bonus harness storage bag

STANDARDS
AS/NZS 1891.1

CODE	SIZE	STOCK
D9311218	M	S

Other sizes available to order.





MINERS BELT WITH ADJUSTABLE BACK PAD

FEATURES AND BENEFITS

- Front & rear zinc plated attachment points
- Padded back support offering protection to the lumbar region
- PVC impregnated extra long straps for battery & self rescuer
- Lightweight & comfortable
- Anti-slip quick release “clip style” buckling

STANDARDS
100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BM01000S	S (30" to 40")	M
BM01000M	M (32" TO 44")	S
BM01000L	L (32" TO 48")	M
BM01000XL	XL (32" TO 52")	M



MINERS BELT WITH BACK PAD & SHOULDER STRAPS

FEATURES AND BENEFITS

- Front & rear zinc plated attachment points
- Padded back support offering protection to the lumbar region
- PVC impregnated extra long straps for battery & self rescuer
- Lightweight & comfortable
- Anti-slip quick release “clip style” buckling
- Shoulder straps

STANDARDS
100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BM02000S	S (30" to 40")	M
BM02000M	M (32" TO 44")	M
BM02000L	L (32" TO 48")	M
BM02000XL	XL (32" TO 52")	M



MINERS BELT WITH BATTERY STRAPS

FEATURES AND BENEFITS

- Front & rear zinc plated attachment points
- Padded back support offering protection to the lumbar region
- PVC impregnated extra long straps for battery & self rescuer
- Lightweight & comfortable
- Anti-slip quick release “clip style” buckling
- Battery straps

STANDARDS
100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BM03000S-M	S / M	M







SUSPENSION TRAUMA STRAP

FEATURES AND BENEFITS

- Slip Through loops
- Snap clips
- High strength hooks
- Multi sizing loop keepers
- Easy access zip pouch

STANDARDS
N/A

CODE	SIZE	STOCK
BA00024	Universal	S



LANYARD STOWAGE POINT

FEATURES AND BENEFITS

- Universal size
- Polyester
- Velcro attachment
- Yellow contrasting for high visibility

STANDARDS
N/A

CODE	SIZE	STOCK
BA00040	Universal	S



BOSUNS CHAIR

FEATURES AND BENEFITS

- Integral cradle construction
- Multiple tool loops
- Waist tie attached to seat
- Easy to use

STANDARDS
100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	SIZE	STOCK
BC01000-MK2	Unisize	S



BA0700



BA0351



BA0580

BAGS

CODE	DESCRIPTION	SIZE	STOCK
BA0351	Personal Equipment Gear Bag	500mm x 250mm x 250mm	S
BA0580	Large Equipment Gear Bag	500mm x 300mm x 300mm	S
BA0700	Drawstring Bag	Can hold up to 50m of 11mm Rope	S


BL0111XXX


BL0112XXX

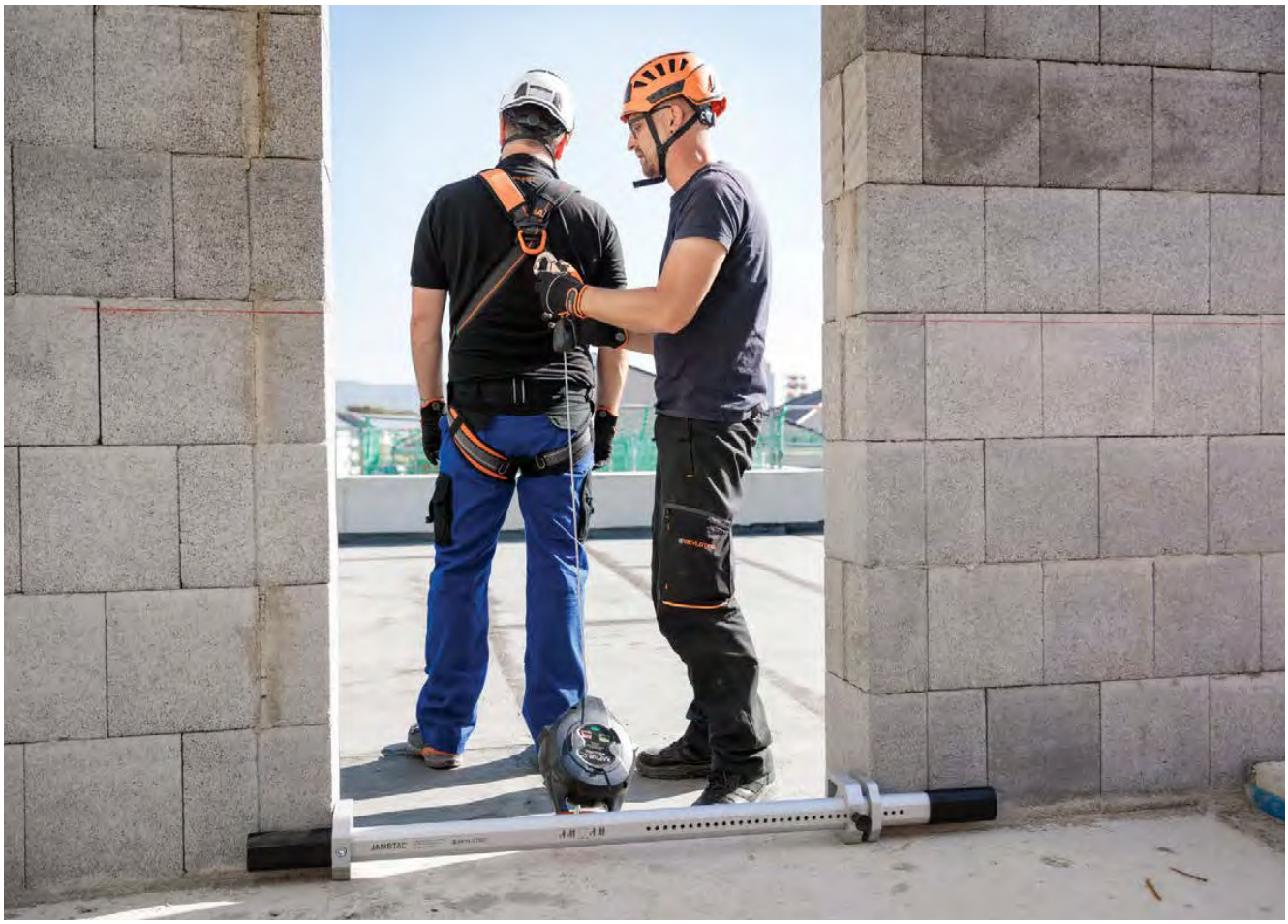

BL0133XXX


BL0144XXX

SINGLE LEG WEBBING LANYARDS

STANDARDS
AS/NZS 1891.5:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	BRAND	LENGTH	ATTACHMENT HARDWARE	MATERIAL	USER MASS LIMITS	STOCK
BL01112HD	B-Safe	2m	Double Action Snap Hooks	Black Webbing	50kg - 140kg	S
BL01111.2HD	B-Safe	1.2m	Double Action Snap Hooks	Black Webbing	50kg - 140kg	M
BL01111HD	B-Safe	1m	Double Action Snap Hooks	Black Webbing	50kg - 140kg	M
BL01122HD	B-Safe	2m	Double Action Snap Hook and Scaffold Hook	Black Webbing	50kg - 140kg	S
BL01332HD	B-Safe	2m	Double Action Karabiner	Black Webbing	50kg - 140kg	M
BL01442HD	B-Safe	2m	Triple Action Karabiner	Black Webbing	50kg - 140kg	M





BL0422XXX



BL04322HD
BL044221.5HD



BL044442HD

TWIN LEG WEBBING LANYARDS

STANDARDS
AS/NZS 1891.5:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	BRAND	LENGTH	ATTACHMENT HARDWARE	MATERIAL	USER MASS LIMITS	STOCK
BL04221.5HD	B-Safe	1.5m	Scaffold Hooks and Snap Hook	Black Webbing	50kg - 140kg	M
BL04222HD	B-Safe	2m	Scaffold Hooks and Snap Hook	Black Webbing	50kg - 140kg	M
BL04322HDA	B-Safe	2m	Double Action Karabiner and Scaffold Hooks	Black Webbing	50kg - 140kg	M
BL044221.5HD	B-Safe	1.5m	Double Action Karabiner and Scaffold Hooks	Black Webbing	50kg - 140kg	M
BL044442HD	B-Safe	2m	Double Action Karabiners	Black Webbing	50kg - 140kg	M



BL02112HD



BL02122HD



BL02332HD



SKL-AUS-0089-1.5

SINGLE LEG ROPE LANYARDS

STANDARDS
AS/NZS 1891.5:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	BRAND	LENGTH	ATTACHMENT HARDWARE	MATERIAL	USER MASS LIMITS	STOCK
BL02112HD	B-Safe	2m	Snap Hooks	Kernmantle Rope	50kg - 140kg	M
BL02122HD	B-Safe	2m	Snap Hook and Scaffold Hook	Kernmantle Rope	50kg - 140kg	M
BL02332HD	B-Safe	2m	Double Action Karabiner	Kernmantle Rope	50kg - 140kg	M
SKL-AUS-0089-1.5	Skylotec	1.5m	Steel Snap Hooks	Kernmantle Rope	50kg - 130kg	M



BL02332HDA



BL021222HD

TWIN LEG ROPE LANYARDS

STANDARDS
AS/NZS 1891.5:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	BRANDS	LENGTH	ATTACHMENT HARDWARE	MATERIAL	USER MASS LIMITS	STOCK
BL023332HDA	B-Safe	2m	Aluminium Double Action Karabiners	Kernmantle Rope	50kg - 140kg	M
BL021222HD	B-Safe	2m	Snap Hook and Scaffold Hooks	Kernmantle Rope	50kg - 140kg	M



BL01122HD-ADJ



BL02302AHD-TC1



BL01112HD-ADJ



BL01442HD-ADJ



D9310282

SINGLE LEG ADJUSTABLE LANYARDS

STANDARDS
AS/NZS 1891.5:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	BRAND	LENGTH	ATTACHMENT HARDWARE	MATERIAL	USER MASS LIMITS	STOCK
BL01122HD-ADJ	B-Safe	850mm - 2m	Double Action Snap Hook and Scaffold Hook	Webbing	50kg - 140kg	S
BL02302AHD-TC1	B-Safe	700mm - 2m	Triple Action Karabiners	Kernmantle Rope	50kg - 140kg	M
BL01112HD-ADJ	B-Safe	850mm - 2m	Double Action Snap Hooks	Webbing	50kg - 140kg	M
BL01442HD-ADJ	B-Safe	850mm - 2m	Triple Action Karabiners	Webbing	50kg - 140kg	M
D9310282	3M	750mm - 2m	Double Action Snap Hooks	Webbing	50kg - 160kg	S



BL021222AHDA-1



BL023332HDA-TCA1

TWIN LEG ADJUSTABLE LANYARDS

STANDARDS
AS/NZS 1891.5:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	BRAND	LENGTH	ATTACHMENT HARDWARE	MATERIAL	USER MASS LIMITS	STOCK
BL021222AHDA-1	B-Safe	700mm - 2m	Snap Hooks and Aluminium Scaffold Hooks	Kernmantle Rope	50kg - 140kg	M
BL023332HDA-TCA1	B-Safe	700mm - 2m	Triple Action Karabiners	Kernmantle Rope	50kg - 140kg	M



BL03112HD



BL03332HDA



WIRE ROPE LANYARDS

STANDARDS
AS/NZS 1891.5:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	BRAND	LENGTH	ATTACHMENT HARDWARE	MATERIAL	USER MASS LIMITS	STOCK
BL03112HD	B-Safe	2m	Snap Hooks	Wire Rope	50kg - 140kg	M
BL03332HDA	B-Safe	2m	Karabiner Twist Lock	Wire Rope	50kg - 140kg	M

ELASTICISED LANYARDS


BL0711XXX


BL07122HD


BL0766XXX


BL07332HD-TC

SINGLE LEG ELASTICISED LANYARDS

STANDARDS
AS/NZS 1891.5:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	BRAND	LENGTH	ATTACHMENT HARDWARE	MATERIAL	USER MASS LIMITS	STOCK
BL07111HD	B-Safe	1m	Snap Hooks	Elasticised Webbing	50kg - 140kg	M
BL07112HDA	B-Safe	2m	Snap Hooks	Elasticised Webbing	50kg - 140kg	M
BL07122HD	B-Safe	2m	Snap Hook and Aluminium Scaffold Hook	Elasticised Webbing	50kg - 140kg	M
BL07661.4HD	B-Safe	1.4m	Snap Hooks	Elasticised Webbing	50kg - 140kg	M
BL07662HD	B-Safe	2m	Snap Hooks	Elasticised Webbing	50kg - 140kg	M
BL07332HD-TC	B-Safe	2m	Triple Action Karabiner	Elasticised Webbing	50kg - 140kg	M


3MZ11206119R


SKL-AUS0590-1.8


SKL-AUS-0588-1.8

SINGLE LEG ELASTICISED LANYARDS

STANDARDS
AS/NZS 1891.5:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	BRAND	LENGTH	ATTACHMENT HARDWARE	MATERIAL	USER MASS LIMITS	STOCK
D9310276	3M	2m	Snap Hook and Scaffold Hook	Elasticated webbing	50kg - 160kg	S
SKL-AUS0590-1.8	Skylotec	2m	Snap Hooks	Elasticated webbing	50kg - 140kg	S
SKL-AUS-0588-1.8	Skylotec	1.8m	Triple Action Karabiners	Elasticated webbing	50kg - 140kg	S



BL071112HD



BL07222HD



BL073222HD-TC

TWIN LEG ELASTICISED LANYARDS

STANDARDS
AS/NZS 1891.5:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	BRAND	LENGTH	ATTACHMENT HARDWARE	MATERIAL	USER MASS LIMITS	STOCK
BL071112HD	B-Safe	2m	Snap Hooks	Elasticised Webbing	50kg - 140kg	M
BL07222HD	B-Safe	2m	Snap Hook and Scaffold Hooks	Elasticised Webbing	50kg - 140kg	M
BL073222HD-TC	B-Safe	2m	Triple Action Karabiner and Scaffold Hooks	Elasticised Webbing	50kg - 140kg	M



Z60203634E



Z10202580E



SKL-AUS0562-1.8



SKL-AUS-0593-1.8

TWIN LEG ELASTICISED LANYARDS

STANDARDS
AS/NZS 1891.5:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	BRAND	LENGTH	ATTACHMENT HARDWARE	MATERIAL	USER MASS LIMITS	STOCK
Z60203634E	3M	2m	Snap Hook and Scaffold Hooks	Elasticised Webbing	50kg - 160kg	S
Z10202580E	3M	2m	Snap Hook and Scaffold Hooks	Elasticised Webbing	50kg - 160kg	S
SKL-AUS0562-1.8	Skylotec	1.8m	Snap Hook and Scaffold Hooks	Elasticised Webbing	50kg - 140kg	S
SKL-AUS-0593-1.8	Skylotec	1.8m	Triple Action Karabiner and Aluminium Scaffold Hooks	Elasticised Webbing	50kg - 140kg	S

HOT WORKS LANYARDS



BL01662kHD

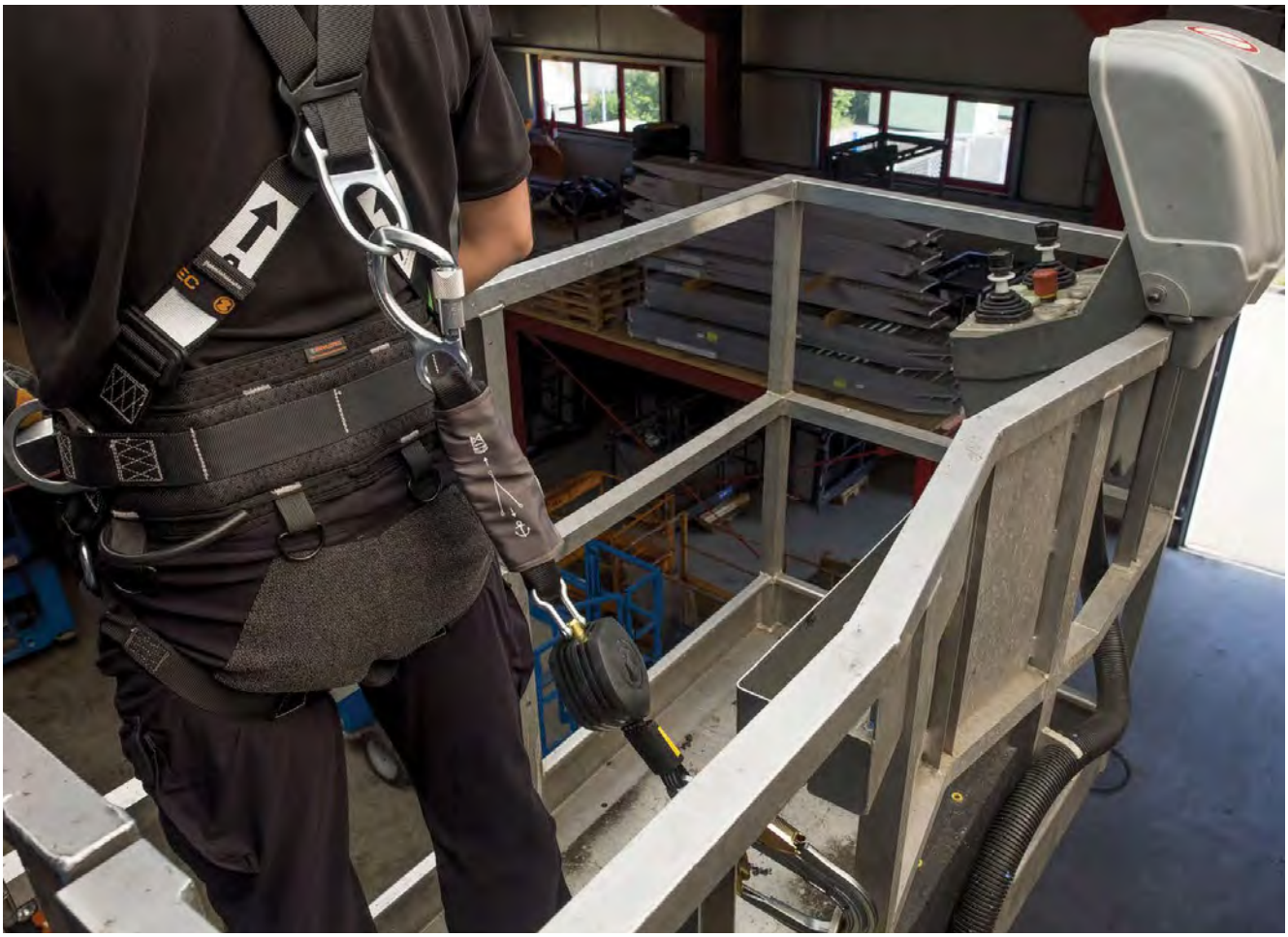


D9310302

HOT WORKS SPECIALTY LANYARDS

STANDARDS
AS/NZS 1891.5:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	BRAND	LENGTH	ATTACHMENT HARDWARE	MATERIAL	USER MASS LIMITS	STOCK
BL01662kHD	B-Safe	2m	Double Action Karabiners	45Mm Heracron / Meta Aramid	50kg - 140kg	M
D9310302	3M	2m	Snap Hooks	Nomex / Kevlar Fibre Webbing	50kg - 160kg	S



B-Safe



BL01000HD



BL01000HD-TC



BL00160



BL00160-TC

SHOCK ABSORBER PACKS

STANDARDS
AS 1891.5

CODE	LENGTH	ATTACHMENT HARDWARE	MATERIAL	USER MASS LIMITS	STOCK
BL01000HD	380mm	N/A	Webbing	50kg - 140kg	M
BL01000HD-TC	280mm	Triple Action Karabiners	Webbing	50kg - 140kg	M
BL00160	250mm	V Ladder System Personal Shock Absorber ONLY	Webbing	50kg - 100kg	M
BL00160-TC	250mm	V Ladder System Personal Shock Absorber ONLY Triple Action Karabiners	Webbing	50kg - 100kg	M

SKYLOTEC



SKL-AUS-0005-AT

SHOCK ABSORBER PACKS

STANDARDS
AS 1891.5

CODE	LENGTH	ATTACHMENT HARDWARE	CAPACITY	MATERIAL	USER MASS LIMITS	STOCK
SKL-AUS-0005-AT	300mm	Aluminium Double Action Karabiner	140kg	Webbing	50kg - 130kg	S



BP0211XXX



AF725AU



SKL-0714-2

POLE STRAPS

STANDARDS
AS/NZS 1891.5:2020 Certified Product. 100% visually inspected and batch tested.
All raw materials conform to relevant safety standards.

CODE	BRAND	LENGTH	ATTACHMENT HARDWARE	CAPACITY	MATERIAL	STOCK
BP02111.5	B-Safe	1.5m	Snap Hooks	1 Person	Webbing	M
BP02112	B-Safe	2m	Snap Hooks	1 Person	Webbing	S
BP02112.5	B-Safe	2.5m	Snap Hooks	1 Person	Webbing	S
BP02113	B-Safe	3m	Snap Hooks	1 Person	Webbing	M
BP02113.5	B-Safe	3.5m	Snap Hooks	1 Person	Webbing	M
AF725AU	3M	2.5m	Snap Hooks	1 Person	Webbing	S
SKL-0714-2	Skylotec	2m	Snap Hooks, Karabiner	1 Person	Kernmantle Rope	S




BL05332.5


BMIC02-130AT


3101339


3M3101342


D9310651


3M-3101719


SKHSGAUS021258

RETRACTABLE LANYARDS

STANDARDS
EN 360 & AS/NZS 1891.3

CODE	BRAND	LENGTH	ATTACHMENT HARDWARE	CAPACITY	MATERIAL	STOCK
BL05332.5	B-Safe	2.5m	Double Action Karabiners	100kg	Webbing	S
BMIC02-130AT	B-Safe	2m	Triple Action Karabiners	140kg	Webbing	S
BL05332HD	B-Safe	2m	Double Action Karabiners	100kg	Webbing	M
BL05332.5TC	B-Safe	2.5m	Triple Action Karabiners	100kg	Webbing	M
3101339	3M	1.8m	Steel Triple Action Karabiners	140kg	Webbing	S
3M3101342	3M	1.8m	Triple Action Karabiner and Self Locking Scaffold Hook	140kg	Webbing	S
D9310651	3M	1.8m	Aluminium Self Locking Scaffold Hooks	140kg	Webbing	S
3M-3101719	3M	1.8m	Triple Action Karabiner and Self Locking Scaffold Hook	140kg	Webbing	S
SKHSGAUS021258	Skylotec	2.5m	Triple Action Karabiners	50-135kg	Webbing	S



B-Safe



ARRESTO INERTIA REEL - CABLE

FEATURES AND BENEFITS

- High impact resistant & durable polymer casing
- Swivel anchorage top & bottom with fall indicator
- ANSI compliant swivel triple action snap hook 16kN gate strength
- Serviceable

STANDARDS
EN 360 AS 1891.3

CODE	CAPACITY	LENGTH	STOCK
BPSSW05(SE)	140kg	5m	S
BPSSW10(SE) - Built In Shock Absorber	140kg	10m	S
BPSSW15	140kg	15m	S
BPSSW20	140kg	20m	S
BPSSW30	140kg	30m	S

3M



REBEL SELF RETRACTING LIFELINE - CABLE

FEATURES AND BENEFITS

- Rugged, lightweight thermoplastic housing
- Stackable housing design
- Built-in carrying handle
- 5mm galvanised steel cable lifeline
- Swivelling self-locking snap hook with impact indicator
- 190kg x 6m

STANDARDS
EN 360 AS 1891.3

CODE	CAPACITY	LENGTH	STOCK
3M3590624	190kg	6m	S
3M3590625	190kg	10m	S

3M



SEALED-BLOK SELF-RETRACTING LIFELINE - CABLE

FEATURES AND BENEFITS

- Pivoting anchorage loop
- Sealed design (meets ip68 rating)
- 15m of 5mm galvanised steel cable lifeline
- Fast-line™ lifeline system
- Impact indicator
- Tripod / davit arm bracket option
- 190kg x 15m

STANDARDS
EN 360 AS 1891.3

CODE	CAPACITY	LENGTH	STOCK
3M3400951	190kg	10m	S

SKYLOTEC



RAPTOR CABLE RETRACTABLE FALL ARRESTER - CABLE

FEATURES AND BENEFITS

- 2 x fall indicators
- Horizontal rated 100kg, vertical rated 140kg
- Modular construction
- Cable galvanised steel
- Energy-absorbing inlet damper
- Up to an angle of 45° working
- Triple action karabiner
- 20 max service life

STANDARDS
EN 360 AS 1891.3

CODE	CAPACITY	LENGTH	STOCK
SKHSG-042-6	140kg	6m	S
SKHSG-042-10	140kg	10m	S
SKHSG-042-20	140kg	20m	S

B-Safe



ARRESTO INERTIA REEL - WEBBING

FEATURES AND BENEFITS

- High impact resistant & durable polymer casing
- Swivel anchorage top and bottom with fall indicator
- ANSI compliant swivel triple action snap hook 16kN gate strength
- Serviceable

STANDARDS
EN 360 AS 1891.3

CODE	CAPACITY	LENGTH	STOCK
BPWSW3.5(SE)	140kg	3.5m	S
BPWSW7.5(SE) - Built In Shock Absorber	140kg	7.5m	S
BPWSW12	140kg	12m	S

SKYLOTEC



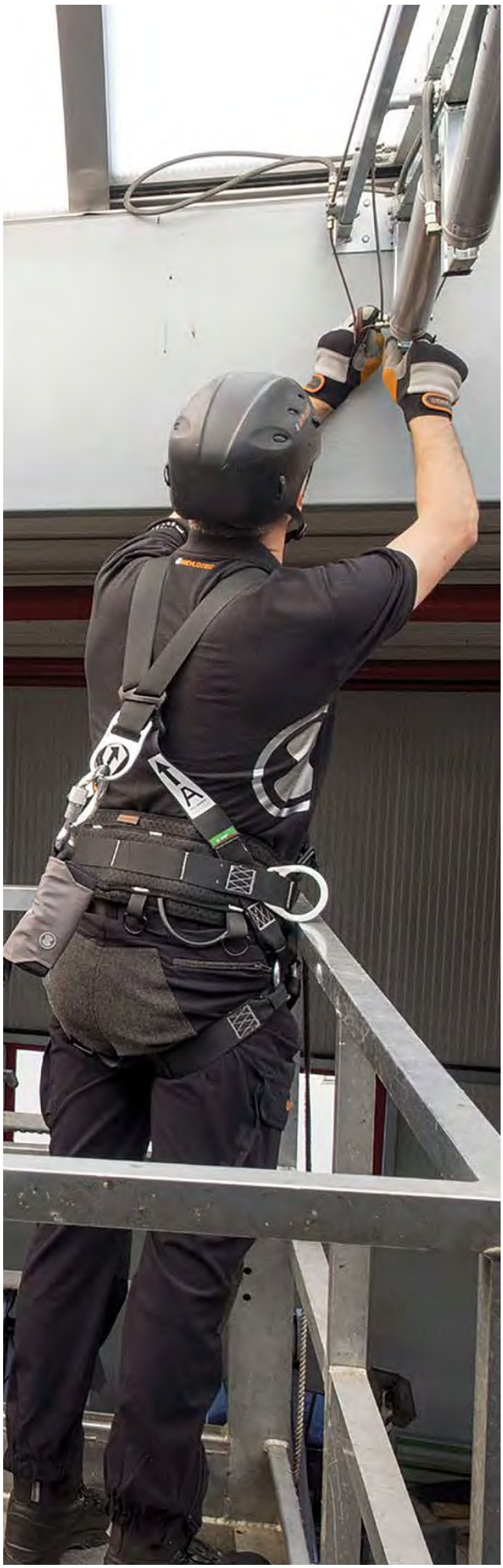
RAPTOR RETRACTABLE FALL ARRESTER - WEBBING

FEATURES AND BENEFITS

- 2 x fall indicators
- Modular construction
- 140kg capacity
- 25mm band webbing
- Energy-absorbing inlet damper
- Up to an angle of 45° working
- Triple action karabiner

STANDARDS
EN 360 AS 1891.3

CODE	CAPACITY	LENGTH	STOCK
SKHSG-040-6	140kg	6m	S
SKHSG-040-8	140kg	8m	S



SKYLOTEC



RAPTOR C20 HUB TYPE 3 RETRACTABLE FALL ARRESTOR

FEATURES AND BENEFITS

- Versatile use due to additional equipment with a rescue lifting device
- Easy and economical maintenance thanks to modular design and two drop indicators
- High durability due to replaceable assemblies
- Space-saving storage and optimal handling due to special case design

STANDARDS
EN 360:2002 and EN 1496:2017/A

CODE	CAPACITY	LENGTH	STOCK
HSG-044-20	140kg	20m	S
HSG-044-20-T	140kg	20m	S
HSG-044-20-J	140kg	20m	S
HSG-044-20-D	140kg	20m	S

B-Safe



ARRESTO RECOVERY INERTIA REEL - CABLE

FEATURES AND BENEFITS

- High impact resistant & durable polymer casing
- Swivel anchorage top and bottom with fall indicator
- ANSI compliant swivel triple action hook 16kN gate strength
- Recovery winch compatible

STANDARDS
EN 360 AS 1891.3

CODE	CAPACITY	LENGTH	STOCK
BPCGS10R	140kg	10m	S
BPCGS20R	140kg	20m	S
BPCGS25R	140kg	25m	S

3M



REBEL SELF RETRACTING LIFELINE RETRIEVAL - CABLE

FEATURES AND BENEFITS

- 3-way emergency retrieval system
- Stowable retrieval handle
- Rugged aluminium housing
- Built-in carrying handle
- 5mm galvanised steel cable lifeline
- Swivelling self-locking snap hook with impact indicator

STANDARDS
EN 360 AS 1891.3

CODE	CAPACITY	LENGTH	STOCK
3591002	140kg	15m	S

3M



SEALED-BLO SELF RETRACTING LIFELINE - CABLE

FEATURES AND BENEFITS

- Environmentally sealed dynamic components
- Extremely durable construction
- 40m of 5mm galvanised steel cable lifeline
- Fast-line™ lifeline system
- Anti-ratcheting locking system
- Built-in carrying handle

STANDARDS
EN 360 AS 1891.3

CODE	CAPACITY	LENGTH	STOCK
D9310495	140kg	40m	M


SKYLOTEC
RAPTOR W



EMERGENCY DESCENDER ONLY - SINGLE PERSON

FEATURES AND BENEFITS

- Innovative design & corrosion-resistant
- Resistant to moisture, heat, cold
- Descent speed is approximately 0.9m / sec
- Compact, stable size
- Extremely low equipment weight
- Smooth rope operation

STANDARDS
EN 341/1A or 1B; EN 1496/A ANSI/ASSE Z359.4

CODE	CAPACITY	LENGTH	STOCK
BF42-ABS3AW-15	140kg	15m	S
BF42-ABS3AW-20	140kg	20m	S
BF42-ABS3AW-60	140kg	60m	S



EMERGENCY DESCENDER WITH RE-WIND HANDLE - SINGLE PERSON

FEATURES AND BENEFITS

- Innovative design & corrosion-resistant
- Resistant to moisture, heat, cold
- Descent speed is approximately 0.9m / sec
- Compact, stable size
- Extremely low equipment weight
- Smooth rope operation
- With rescue hoisting handle

STANDARDS
EN 341/1A or 1B; EN 1496/A ANSI/ASSE Z359.4

CODE	CAPACITY	LENGTH	STOCK
BF42-ABS3AWH-15	140kg	15m	S
BF42-ABS3AWH-30	140kg	30m	S
BF42-ABS3AWH-60	140kg	60m	S



BOXED FRICTION DESCENDER AND ROPE

FEATURES AND BENEFITS

- Simple to operate
- Controlled low speed descent
- Rated for single person for self rescue (stretcher can be used)
- Weather protected in plastic UV resistant box
- Unit supplied for 15m
- Dry static 11mm kernmantle rope

STANDARDS
EN 341/1A or 1B; EN 1496:/A ANSI/ASSE Z359.4

CODE	CAPACITY	LENGTH	STOCK
BFMRD815	1 Person	15m	M
BFMRD820	1 Person	20m	M
BFMRD835	1 Person	35m	M



SELF RESCUE DESCENDER

FEATURES AND BENEFITS

- Universal harness attachment
- EZ-Link™ D-ring for fast connections
- 50 ft / 15.2m rope
- Assisted-rescue ring for incapacitated user
- Sealed descent device & rope spool extends longevity
- Molded padding provides durability & comfort
- Lightweight, low profile design

STANDARDS
3rd Party Certified with ANSI Z359.4

CODE	CAPACITY	LENGTH	STOCK
3M3320051	141kg	15m	S
3M3320052	141kg	30m	S
3M3320053	141kg	15m	S

SKYLOTEC



RESCUE KIT MILAN 2.0 POWER

FEATURES AND BENEFITS

- Lightweight descent device which maintains constant speed during descent
- Allows for powered or manual use to retrieve worker
- Connectors at both ends to enable use in a yo-yo fashion
- Comes with rope, 1m x 26kN sling and dry bag

CODE	CAPACITY	LENGTH	STOCK
SET-357-20	260kg	20m	S
SET-357-40	260kg	40m	S
SET-357-60	260kg	60m	S
SET-357-100	260kg	100m	S
SET-357-150	260kg	150m	S

SKYLOTEC



TELESCOPIC RESCUE POLE

FEATURES AND BENEFITS

- Carbon fibre pole
- Max extension of 3 metres
- Able to hold a variety of karabiner options

CODE	LENGTH	STOCK
SKACS-AUS-0915	3m	S





RESCUE SYSTEM AUTO BRAKE 4:1

FEATURES AND BENEFITS

- Fall arrest recovery system
- Unique inertia locking device
- 4:1 ratio raising & lowering device
- Safe working load: 375kg
- 60m rope = working length of 15m
- Can be operated by the person on the system or by a secondary person

STANDARDS
100% visual and working inspection
All raw materials conform to relevant safety standards
ISO 9002 Quality Control System Features

CODE	CAPACITY	LENGTH	STOCK
BR02055	375kg	15m	M



BSR0011B



BSR0015



BSM0012
BSM0013-GRAB



BSM0016

KERNMANTLE ROPE AND ROPE GRABS

CODE	CAPACITY	MATERIAL	CAPACITY	STOCK
BSR0011B	Kernmantle Rope 11mm	Black / Yellow	30kN	S
BSR0015	Kernmantle Rope 13mm	Orange / Black	45kN	S
BSM0012	Manual Rope Grab 11mm	Steel	15kN	S
BSM0013-GRAB	Manual Rope Grab 13mm	Steel	15kN	S
BSM0016	Rope Grabs Auto 16mm	Steel	15kN	S





RESCUE SYSTEM GORDON PULLEY KIT 5:1 45M

FEATURES AND BENEFITS

- Self-locking pulley system
- 1:5 configuration
- Includes the Gordon Rescue fall arrester device
- Super Static 10.5 static rope

CODE	CAPACITY	LENGTH	STOCK
SKSET402-5-100	140kg	45m	S

SKYLOTEC



SKH-274

ORBITER S SINGLE ROPE PULLEY

FEATURES AND BENEFITS

- Mobile side plates
- 96% efficiency ball bearing
- For use on ropes up to 13mm
- Designed for hauling systems and deviations

STANDARDS
EN 12278:2007 and UIAA 127

CODE	MATERIAL	CAPACITY	STOCK
SKH-274	Aluminium	32kN	S

SKYLOTEC



SKH-276

ORBITER T TWIN PULLEY

FEATURES AND BENEFITS

- Double pulley with mobile side plates
- Up to three connectors can be hooked in the large eyelet plus one connector in the smaller eyelet
- Sheaves mounted on ball bearings
- Presents an auxiliary attachment point for creating different hauling systems
- For use with ropes Ø< 13mm
- Designed for hauling systems and deviations

STANDARDS
EN 12278:2007 and UIAA 127

CODE	MATERIAL	CAPACITY	STOCK
SKH-276	Aluminium	50kN	S





TRIPOD KIT - ROPE SYSTEM

FEATURES AND BENEFITS

Kit Components:

- TRP05A2-Confined Space Tripod Mk2
- TRP05A2BAG-Tripod Bag
- BSK0003-16-Steel Karabiner Twist Lock x 5
- BH02020-QB-Full Body Harness
- BR05110-Spreader Frame B-Safe
- BR02055-Rescue System B-Safe Auto
- BH01120-Harness B-Safe Full Body
- BL05332.5-Lanyard Web Retractable
- BA0351-B-Safe Equipment Bag

CODE	CAPACITY	STOCK
TRP05A2B	1 Person	M



ADVANCED TRIPOD KIT - RECOVERY WINCH SYSTEM

FEATURES AND BENEFITS

Kit Components:

- TRP05A2-Confined Space Tripod Mk2
- BSK0003-16-Steel Karabiner Twist Lock x 6
- BH02020QB-EVOLVE-Harness B-Safe Evolve
- BR05110-Spreader Frame B-Safe
- BCS0000-A-Bracket B-Safe
- BPCGS20R-Retrieval Block Arresto Cable 20m
- TRP05A2BKT-A-Bracket B-Safe Mk2 Tripod
- BH01121-Harness B-Safe Full Body
- BMIC02-130AT-Lanyard Web Retractable
- TRP05A2BAG-Tripod Bag

CODE	CAPACITY	STOCK
TRP05A2C	1 Person	M



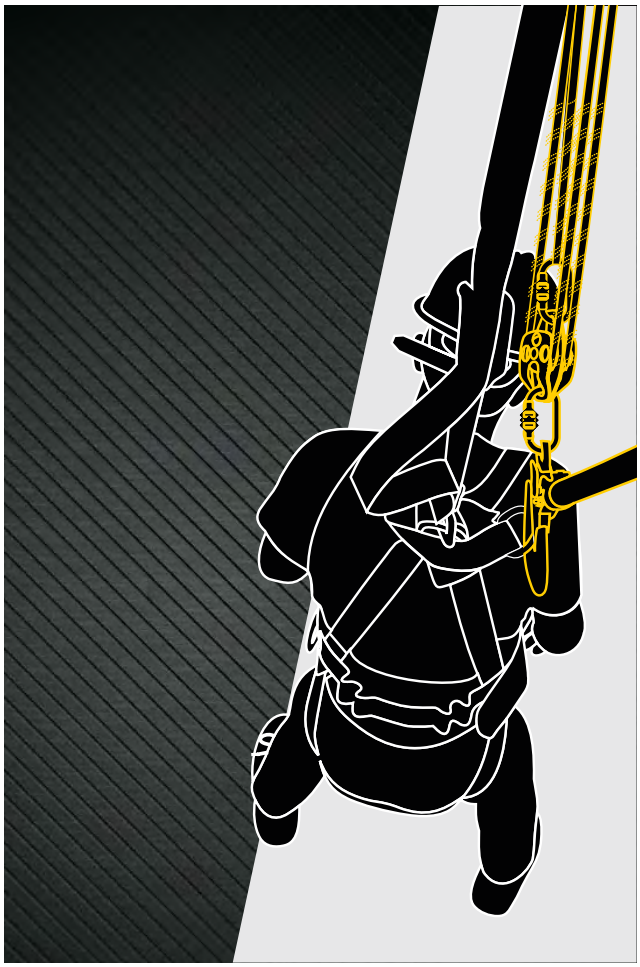
RESCUE KIT 12.5M

FEATURES AND BENEFITS

Kit Components:

- Designed to rescue suspended casualty
- Casualty can be raised or lowered
- Adaptable for different heights
- 4:1 pulley system
- Back up braking mechanism
- Heavy duty bag
- Rescue Pole

CODE	CAPACITY	STOCK
BR661(4:1)	1 Person	M



SpanSet



GOTCHA RESCUE KIT WITH 50M ROPE

FEATURES AND BENEFITS

- Upper & lower pulleys
- Gotcha™ Frog
- Attachment pole
- Rope controller
- Australian Standards rescue rope
- Rope Grabba (for inertia reels)
- Attachment sling
- Karabiners
- Back pack gear bag

CODE	CAPACITY	STOCK
D9330520	140kg	S

B-Safe



CONFINED SPACE TRIPOD MK2

FEATURES AND BENEFITS

- Single mono U bolt anchorage rated for 2 persons (21kN)
- Heavy duty cast aluminium head with diversion wheels
- Legs with multiple holes & retaining pins
- Cast aluminium feet with ribbed rubber grip

STANDARDS
Tested to requirements of AS/NZS5532

CODE	CAPACITY	STOCK
TRP05A2	750kg	S

B-Safe



PERSONAL & MATERIAL WINCH

FEATURES AND BENEFITS

- Suitable for both personal or material rescue / retrieval independent reel mode for quick installation
- Secondary braking system reducing dynamic load in the event of a fall
- Mounting bracket included
  (TRP05A2BKT-A bracket needed for tripod use)
- Galvanised steel
- Swivel snap hooks
- Handle rotating mechanism for lifting & lowering

STANDARDS
Meets EN 1496 2017 Class B

CODE	CAPACITY		STOCK
BPN818(20)	135kg Personal	250kg Material	S

B-Safe



BCS0000-A



TRP05A2BKT-A



BR05110



TRP05A2BAG

TRIPOD ACCESSORIES

CODE	CAPACITY	STOCK
BCS0000-A	Tripod Bracket For Connecting Arresto Inertia Reels	S
TRP05A2BKT-A	Tripod Pinned Bracket For Connecting Arresto Inertia Reels	S
TRP05A2BAG	Heavy Duty Fully Enclosed Tripod Bag	S
BR05110	Spreader Bar With Double Action Steel Hooks	S

SKYLOTEC



QUICK REMOVAL FASTENING ANCHOR

FEATURES AND BENEFITS

- Single permanent anchor
- Stainless steel
- Pre-drilled hole for easy installation
- Suitable for metal construction, rope access & rigging

STANDARDS
EN 795-A/B:201

CODE	CAPACITY	STOCK
SKAP063GPS	250kg	S



SKYLOTEC



MOUNTING SLEEVE TO HOLD MOBILFIX

FEATURES AND BENEFITS

- Sleeve to hold Mobilfix

STANDARDS
EN 795-A

CODE	CAPACITY	STOCK
SKAP-018-T2	N/A	S



WELD ON ANCHOR

FEATURES AND BENEFITS

- Offers a full WLL at all angles
- Extremely high strength attachment as an anchor
- Easily welded into required position
- Functional compact design
- Test Certificate available

CODE	CAPACITY	STOCK
BSC5024	15kN (1 Person)	S
BSC5026	21kN (2 Person)	S



STAINLESS STEEL WELD-ON / BOLT-ON ANCHOR PLATE

FEATURES AND BENEFITS

- Bolt or weld to structure for fall arrest anchor point
- Compact 6.35 x 50 x 115mm 304 stainless steel plate
- Pre-drilled 14mm holes
- Zinc plated steel D-ring for compatible tie-off point
- High strength steel construction
- Extremely rugged & corrosion resistant

STANDARDS
ANSI Z359.18
AS/NZS 5532

CODE	CAPACITY	STOCK
3M2101630	22kN	S



CONCRETE SWIVEL ANCHOR

FEATURES AND BENEFITS

- Safe hook-up indicator
- Compact & lightweight design
- High strength steel & aluminium construction
- Rugged & corrosion resistant materials
- Swivelling D-ring tie-off point

STANDARDS
ANSI Z359.18
AS/NZS 5532

CODE	CAPACITY	STOCK
3M2104560	22kN	S



500MM TETHER PLATE METAL CLAD / TILED ROOFS

FEATURES AND BENEFITS

- Suitable for metal & tiled roofs
- 360° working area
- Continuous travel restraint protection

CODE	CAPACITY	STOCK
TP3002	15kN (1 Person)	S



T-BAR TEMPORARY ROOF ANCHOR

FEATURES AND BENEFITS

- Secure anchorage point for metal roofing
- Safety line & harness you can connect quickly & easily
- Continuous travel restraint protection
- Screws down to roof for extra stability
- T-Bar suitable for those small to medium roof jobs

CODE	CAPACITY	STOCK
BSL5000	15kN (1 Person)	S



BSC5006OLP-L BSC5006LSLP-L BSC5006MR-L

LOW PROFILE & STANDARD PROFILE PURLIN ANCHOR BOLT

FEATURES AND BENEFITS

- 316 Grade stainless steel
- 16mm thread
- Base designed to fit Trimdek roofing
- Eye size suitable for all types of equipment

STANDARDS
AS/NZS 5532
Test in accordance to 15kN Load

CODE	ROOF PROFILE	CAPACITY	STOCK
BSC5006OLP-L	**Low Profile-Custom Orb (Corrugated) Roofing Sheet**	15kN (1 Person)	S
BSC5006LSLP-L	**Low Profile-Trapezoidal Roofing Sheet**	15kN (1 Person)	S
BSC5006MR-L	**Standard Profile-Flat Plan Roofing Sheet**	15kN (1 Person)	S



DOOR JAM ANCHOR

FEATURES AND BENEFITS

- Installs into 546 - 1308mm door / window jambs
- Non-penetrating design eliminates site damage
- Portable & reusable
- Compact & lightweight aluminium design
- Built-in adjustment knob & telescoping design
- Rugged & corrosion resistant materials
- Integrated D-ring tie-off point

STANDARDS
ANSI Z359.1

CODE	CAPACITY	STOCK
D9311005	22kN	S



SLIDING BEAM ANCHOR

FEATURES AND BENEFITS

- For use in horizontal applications
- Easily deployed on beam
- Incremental adjustments to suit beam widths
- Will slide along beam
- Multiple pin locations for easy adjustment

STANDARDS
Complies with EN795:2013 & CE/89/66

CODE	CAPACITY	STOCK
BSM0035B	15kN	S



TROLLEY BEAM ANCHOR

FEATURES AND BENEFITS

- For use in horizontal applications
- Easily deployed on beam
- Incremental adjustments to suit beam widths
- Locking on notched location by simple spring loaded screw
- Rolls easily along beam
- Lightweight - 3.5kg
- Ideal for use with an inertial reel

STANDARDS
100% visual inspection
All raw materials conform to relevant safety standards
Tested and passed 15kN load
ISO 9002 Quality Control System
Hardware batch tested

CODE	CAPACITY	STOCK
BSM0045	15kN	S



FIXED BEAM ANCHOR

FEATURES AND BENEFITS

- Installs onto 2-1/2 in. to 12 in. wide I-beam flange (6.3-30.5cm)
- Up to 1-1/2" thick (3.8cm)
- Attach in any orientation or direction
- Compact & lightweight design
- High strength steel & aluminium construction
- Extremely rugged & corrosion resistant

STANDARDS
ANSI Z359.18 Type A
Meets the performance requirements of AS/NZS 5532

CODE	CAPACITY	STOCK
D9310995	15kN	S





TEMPORARY HORIZONTAL ROPE SAFETY LINE KIT WITH TENSION INDICATOR

FEATURES AND BENEFITS

- Portable temporary horizontal lifeline
- Tensioner indicator
- Allows freedom of movement
- Designed for a maximum of two persons
- Simple & easy to install fall arrest protection
- Ideal for situations permanent anchorage is not required
- Installation takes about 3-5 minutes

STANDARDS
100% visual inspection
Individual components batch tested to destruction

CODE	CAPACITY	LENGTH	STOCK
BK030020	2 Person	20m	M
BK030030	2 Person	30m	M
BK030040	2 Person	40m	M
BK030050	2 Person	50m	M



TEMPORARY HORIZONTAL WEB SAFETY LINE 18M

FEATURES AND BENEFITS

- Portable static line system 18m
- Allows freedom of movement
- Designed for a maximum of one persons
- Simple & easy to install fall arrest protection
- Ideal for situations which do not justify a permanent safety system
- Built in carry bag

STANDARDS
100% visual inspection
Individual components batch tested to destruction

CODE	CAPACITY	STOCK
BK040020	1 Person	M
BK0400120 - Includes 2 straps, 2 Karabiners	1 Person	M



TEMPORARY HORIZONTAL CABLE SAFETY LINE 18M

FEATURES AND BENEFITS

- Durable high strength polymer housing
- HCS is easy to install, remove & store
- Easily transported – lightweight
- Inbuilt winch for easy retraction – fast & simple dismantle
- Unique internal shock absorption mechanism ensuring impact forces during fall arrest are minimised
- Integrated handle molded into casing makes unit easy for carrying

STANDARDS
EN795 Type C and TS 16415 Type C

CODE	CAPACITY	STOCK
BPN4001	2 Person	S



PROTECTA PRO LINE TEMPORARY HORIZONTAL SYSTEM 18M

FEATURES AND BENEFITS

- Complete 60 ft. (18.3m) system includes tensioner, energy absorber and anchors
- Lightweight 2" (50.8mm) web lifeline
- Two 6 ft. (1.8m) tie-off adaptor anchors included
- Extremely lightweight & portable design
- Built-in energy absorber limits fall arrest forces
- Integral ratchet tensioner for easy set-up
- Flexible system capacity of 2 workers

STANDARDS
AS/NZS 1891.2

CODE	CAPACITY	STOCK
3M1200101	2 Person	M

SKYLOTEC

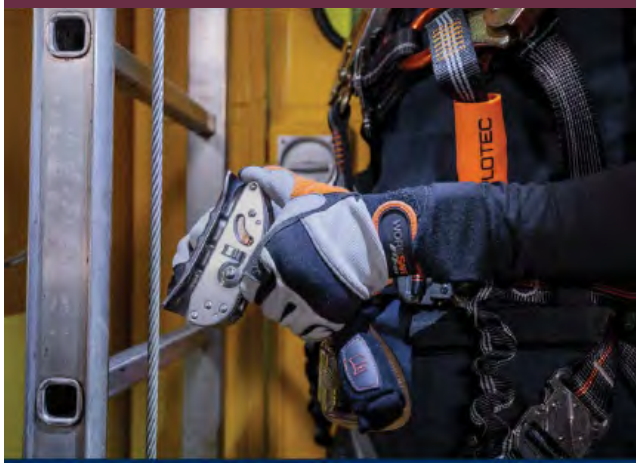
SKYLOTEC ENGINEERED SYSTEMS

The systems enable fall-protected ascending and descending to any height and depth on installed vertical ladders or moving on surfaces with a fall hazard on horizontal systems. Permanent fall protection is used, for example on:

Towers, chimneys, elevated tanks, bridge piers, masts, antenna supports, machines and operating equipment, high rack warehousing and industrial plants, buildings and facades, in shafts, pits in the water & wastewater sector.

SKYLOTEC offers safe and reliable overall solutions not only for new projects, but also for existing conditions.

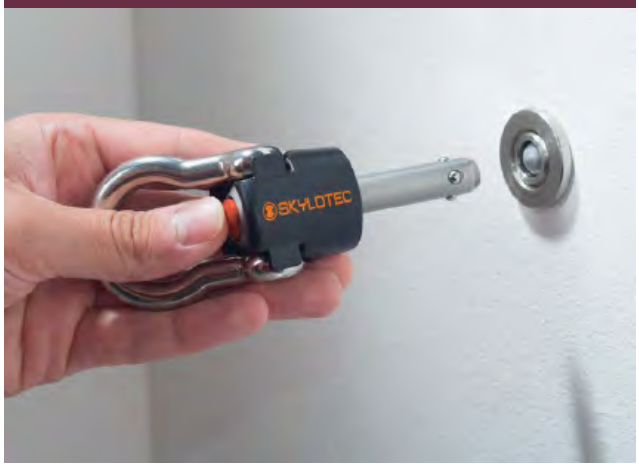
VERTICAL FALL ARREST SYSTEMS



HORIZONTAL FALL ARREST SYSTEMS



ANCHOR POINTS





3M

3M™ DBI-SALA® ENGINEERED SYSTEMS

3M horizontal systems provide a choice of fall protection solutions that allow users to most effectively resolve the risks associated with work at height in a wide range of applications, and comply with workplace safety regulations.

Contact us for more information or to speak with one of our Systems Specialists.

ROOFSAFE™ CABLE SYSTEM

The system attaches to roof sheeting and can span up to 12m between supports to provide continuous hands-free access and protection.





UNIRAIL™ SYSTEM

Can be fitted to a wide range of structures and can support multiple workers for both fall arrest and rope / suspended access applications.



ROOFSAFE™ RAIL SYSTEM

The only direct to roof rail system that can facilitate changes in direction and roof slopes, ensuring continuous safe roof access for fall arrest and rope / suspended access applications.







UNI-8™ / EVOLUTION™ SYSTEM

This system attaches to the structure and is well suited to modern building projects and a wide range of industrial safety applications.

THE UNI-8™ OVERHEAD SYSTEM

This quality safety solution can support heavy fall arrest and controlled rate descent devices, ensuring free and unhindered movement for the worker when carrying out work at height.




5.3
5.3
LESCHACO


GOLDEN EAGLE
GOLDEN EAGLE



VERTICAL SAFETY LINE ROPE. SINGLE END SNAP HOOK

FEATURES AND BENEFITS

- 11mm kernmantle rope to AS/NZS4142.3:1993
- Snap hook on one end
- Designed for a maximum of one person

STANDARDS
100% visual inspection
Individual components batch tested to destruction

CODE	LENGTH	CAPACITY	STOCK
BS010105	5m	1 Person	M
BS010110	10m	1 Person	M
BS010115	15m	1 Person	M
BS010120	20m	1 Person	M
BS010125	25m	1 Person	M
BS010130	30m	1 Person	M
BS010140	40m	1 Person	M
BS010150	50m	1 Person	M



VERTICAL SAFETY LINE WITH SNAP HOOK AND MANUAL GRAB

FEATURES AND BENEFITS

- Portable temporary vertical lifeline 11mm
- Suitable for ladders, towers & roof work
- Designed for a maximum of one person.
- Simple and easy to install limited free fall arrest protection
- Ideal for situations which do not require a permanent system
- Use in conjunction full body harnesses
- Installation takes about 3-5 minutes

STANDARDS
100% visual inspection
Individual components batch tested to destruction

CODE	LENGTH	CAPACITY	STOCK
BS010105A	5m	1 Person	S
BS010110A	10m	1 Person	M
BS010115A	15m	1 Person	S
BS010120A	20m	1 Person	S
BS010125A	25m	1 Person	M
BS010130A	30m	1 Person	M
BS010140A	40m	1 Person	M
BS010150A	50m	1 Person	M



VERTICAL KERNMANTLE SAFETY LINE WITH STEEL ROPE GRAB

FEATURES AND BENEFITS

- Portable temporary vertical lifeline 13mm
- Suitable for ladders, towers & roof work
- Hi-vis fluro rope
- Simple & easy to install limited free fall arrest protection
- Ideal for situations which do not require a permanent system
- Use in conjunction with a full body harnesses
- Installation takes about 3-5 minutes

STANDARDS
100% visual inspection
Individual components batch tested to destruction

CODE	LENGTH	CAPACITY	STOCK
BS0-05M-SLINE	5m	1 Person	M
BS0-10M-SLINE	10m	1 Person	M
BS0-15M-SLINE	15m	1 Person	M
BS0-20M-SLINE	20m	1 Person	M



SCOUT FALL ARRESTOR WITH ROPE

FEATURES AND BENEFITS

- Offers a large range of motion due to the rope length (5m, 10m, 15m, 20m)
- Approved for user weights up to 150kg
- Can be used both for vertical ascents and for horizontal work on fall edges
- Reliable positioning thanks to panic function

STANDARDS
EN 353-2

CODE	LENGTH	CAPACITY	STOCK
L-0845-10	10m	150kg	S
L-0845-15	15m	150kg	S
L-0845-20	20m	150kg	S

STRAPS & TIE OFF ADAPTERS

B-Safe



TIE OFF ADAPTERS

FEATURES AND BENEFITS

- Interlocking small & large D-rings allows use almost anywhere
- 75mm wide sacrificial wear pad
- Rated to 22kN
- Easy to use
- Available in multiple lengths

STANDARDS
100% visual inspection
All raw materials conform to relevant safety standards
ISO 9002 Quality Control System
Batch tested

CODE	LENGTH	CAPACITY	STOCK
BP03001	1m	22kN	M
BP03001.5	1.5m	22kN	M
BP03002	2m	22kN	M

B-Safe



ATTACHMENT STRAPS

FEATURES AND BENEFITS

- 25mm Super tape web round & snake sling for attachment of height safety equipment
- Various lengths & styles for any attachment application

STANDARDS
100% visual inspection
All raw materials conform to relevant safety standards
ISO 9002 Quality Control System
Attachment Straps batch tested to destruction

CODE	LENGTH	CAPACITY	STOCK
BP03101	1m	22kN	S
BP03101.5	1.5m	22kN	S

SKYLOTEC



ANCHORAGE SLINGS

FEATURES AND BENEFITS

- 0.6m -1.8m webbing
- Compact & lightweight design
- Durable polyester construction
- Easy to install & use
- 26kN

STANDARDS
EN 354:2010 (MAX. 2m), EN 566:2017, EN 795-B:2012

CODE	LENGTH	CAPACITY	STOCK
SKL-0008-0.6	0.6m	26kN	S
SKL-0008-0.8	0.8m	26kN	S
SKL-0008-1	1m	26kN	S
SKL-0008-1.8	1.8m	26kN	S

3M



ANCHOR STRAPS / TIE-OFF ADAPTOR

FEATURES AND BENEFITS

- 1m or 2m webbing tie-off adaptor anchor strap with interlocking rings
- Compact and lightweight design
- Durable polyester construction with integral wear sleeve
- High strength steel hardware
- Easy to install and use
- Anti roll-out design
- i-Safe™ enabled

CODE	LENGTH	CAPACITY	STOCK
D9310760	1m	15kN	S
D9310731	2m	15kN	S

B-Safe



BSK0003-16
BSK0002TC-16



BSK0003A-16
BSK0002TCA-16



BSK0006



BSK0004

KARABINERS

STANDARDS
EN 362 ANSI Z359.12

CODE	DESCRIPTION	MATERIAL	GATE OPENING	CAPACITY	STOCK
BSK0003-16	Karabiner Double Action Captive Pin Steel	Steel	22mm	40kN	S
BSK0002TC-16	Karabiner Triple Action Captive Pin Steel	Steel	22mm	40kN	S
BSK0003A-16	Karabiner Double Action Captive Pin Aluminium	Aluminium	27mm	25kN	S
BSK0002ATC-16	Karabiner Triple Action Captive Pin Aluminium	Aluminium	27mm	25kN	S
BSK0006	Karabiner Triple Action Steel	Steel (Chrome Finish)	26mm	22kN	S
BSK0004	Karabiner Triple Action Captive Pin Steel	Steel	27mm	22kN	S

3M



D9310820



3M2000114

KARABINERS

STANDARDS
EN 362 ANSI Z359.12

CODE	DESCRIPTION	MATERIAL	GATE OPENING	CAPACITY	STOCK
D9310820	Karabiner Screw Gate Steel	Steel	18mm	22kN	S
3M2000114	**Karabiner Hook Saflok**	Steel	55mm	22kN	S

SKYLOTEC



SKH-103



SKH-137-TW



SKH-137-TRI

KARABINERS

STANDARDS
AS.NZS 1891.1

CODE	DESCRIPTION	MATERIAL	GATE OPENING	CAPACITY	STOCK
SKH-103	Karabiner Eye Double Action	Steel	22mm	45kN	S
SKH-137-TW	Karabiner Twist Lock Aluminium	Aluminium	30mm	22kN	S
SKH-137-TRI	Karabiner Triple Action Aluminium	Aluminium	30mm	22kN	S

B-Safe



BSM0007-16



BSM0007A-16



BSM0008A-16



BSM0008-16



BSK0021



BSK0015



BFK08

SNAP HOOKS

STANDARDS
EN 362 ANSI Z359.12

CODE	DESCRIPTION	MATERIAL	GATE OPENING	CAPACITY	STOCK
BSM0007-16	Snap Hook Double Action Steel	Steel	21mm	23kN	S
BSM0007A-16	Snap Hook Double Action Aluminium (Steel Gate)	Aluminium	20mm	23kN	S
BSM0008A-16	Scaffold Hook Double Action Aluminium (Steel Gate)	Aluminium	63.5mm	23kN	S
BSM0008-16	Scaffold Hook Double Action Steel	Steel	63.5mm	25kN	S
BSK0021	Karabiner Hook Swivel Steel Triple Action	Steel	22mm	22kN	S
BSK0015	Scaffold Karabiner Double Action	Steel	50mm	22kN	S
BFK08	Manulink Hook Single Point	Stainless Steel	140mm	22kN	S



KIT CONTAINS:
Tool attachment 09, 15, 12
Tool attachment double 15,
Tool attachment cord 22
Tool attachment cord swivel 30,
Tool atachment choke 30
Tool tether bungee 90
Tool tether coil 45
Tool tether coil wrist 40
Bsafe tool tape
Bsafe tool container bag
Tool tether bungee twin 90

SURECATCH ALL PURPOSE TOOL TETHER KIT 13

FEATURES AND BENEFITS

- Suitable for a variety of tools
- Wrist anchorage
- Lifting bag
- Spill resistant webbing

STANDARDS
TESTED & APPROVED – ANSI/ISEA 121-2018 compliant

CODE	CAPACITY / LENGTH	MATERIAL	STOCK
BSTTK13	1kg - 9kg	Polyester, Aluminium, PVC, Steel	S



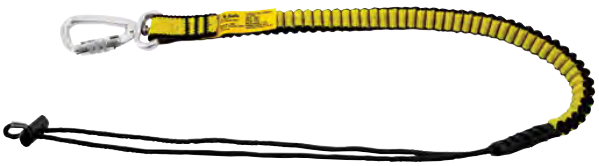
SURECATCH TOOL BUCKET

FEATURES AND BENEFITS

- Heavy duty
- Top closure feature
- PVC high impact base
- Built in hood strap
- Multi connection points

STANDARDS
TESTED & APPROVED – ANSI/ISEA 121-2018 compliant

CODE	CAPACITY / LENGTH	MATERIAL	STOCK
BTCB100	38cm x 31cm x 45kg	Canvas	S



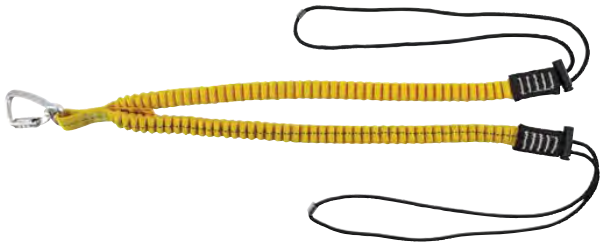
SURECATCH BUNGEE LANYARD

FEATURES AND BENEFITS

- Spill resistant webbing
- Double action
- Elasticised
- Lightweight design
- Aluminium hardware

STANDARDS
TESTED & APPROVED – ANSI/ISEA 121-2018 compliant

CODE	CAPACITY / LENGTH	MATERIAL	STOCK
TTB90	15cm Relaxed 55cm Stretch 6.8kg	Polyester, Aluminium	S



SURECATCH TWIN BUNGEE LANYARD

FEATURES AND BENEFITS

- Spill resistant webbing
- Double action
- Elasticised
- Lightweight design
- Twin leg

STANDARDS
TESTED & APPROVED – ANSI/ISEA 121-2018 compliant

CODE	CAPACITY / LENGTH	MATERIAL	STOCK
TTBT90	94cm Relaxed 134cm Stretch 9.1kg	Polyester, Aluminium	S



SURECATCH COIL LANYARD

FEATURES AND BENEFITS

- Heavy duty
- Cut resistant
- Coil design
- Lighweight design
- Double action

STANDARDS
TESTED & APPROVED – ANSI/ISEA 121-2018 compliant

CODE	CAPACITY / LENGTH	MATERIAL	STOCK
TTC45	30cm Relaxed 50cm Stretch 2.3kg	PV Coated Steel, Aluminium	S



SURECATCH TOOL TAPE

FEATURES AND BENEFITS

- 3m of tape
- Self adhesive
- High vis yellow
- Water resistant

STANDARDS
TESTED & APPROVED – ANSI/ISEA 121-2018 compliant

CODE	CAPACITY / LENGTH	MATERIAL	STOCK
BTT2.5-5	3m	PVC	S



WATER BOTTLE
NOT INCLUDED

SQUIDS 3775 CAN / BOTTLE HOLDER + TRAP

FEATURES AND BENEFITS

- Meets ANSI/ISEA 121-2018 standard
- Neoprene primary material
- Stainless steel belt clip
- Zinc-plated cast D-ring
- Adjustable buckle closure for security
- Fits standard 1L bottles, spray paint, WD40 canisters, and more
- Third party certified to 0.9kg maximum working capacity

STANDARDS
ANSI/ISEA 121-2018

CODE	MATERIAL	CAPACITY	STOCK
ER3775	Neoprene	Up to 1L	S



SQUIDS 3780 POWER TOOL BATTERY TRAP

FEATURES AND BENEFITS

- Meets ANSI/ISEA 121-2018 standard
- 1000D nylon with water-resistant backing
- Two hook and loop straps secure the battery boot to drill battery for safe and easy tethering
- Nickel-plated cast iron D-ring
- Third-party certified to 4.5kg maximum working capacity with a 2:1 safety factor

STANDARDS
ANSI/ISEA 121-2018

CODE	MATERIAL	CAPACITY	STOCK
ER3780	1000D Nylon	4.5kg	S



SQUIDS 3745 TOOL GRIP AND TETHER ATTACHMENT POINT (2-PACK)

FEATURES AND BENEFITS

- Meets ANSI/ISEA 121-2018 standard
- Designed to encapsulate screwdrivers or nut drivers to create a tool attachment point for tethering
- Ergonomically designed rubber sleeve covers tool handle and textured rubber provides greater comfort and more efficient torquing
- Features swiveling connection point for tethering and prevents tangles and binds when used with a tool lanyard
- Third party certified to 0.45kg maximum working capacity

STANDARDS
ANSI/ISEA 121-2018

CODE	MATERIAL	CAPACITY	STOCK
ER3745	Rubber	0.45kg	S



TAPE MEASURE TRAP

FEATURES AND BENEFITS

- Meets ANSI/ISEA 121-2018 standard
- Polyester main material
- Hook & loop straps secure tape measure inside trap for safe & easy tethering
- Stainless steel belt clip
- Zinc-plated cast alloy D-Ring
- Third-party certified to 0.9kg maximum working capacity with a 2:1 safety factor

STANDARDS
TESTED & APPROVED – ANSI/ISEA 121-2018 compliant

CODE	CAPACITY	STOCK
ER19770	0.9kg	S



TOOL STRAPS



ER19701

WEB TOOL TAIL 6-PACK VARIETY

FEATURES AND BENEFITS

- Meets ANSI/ISEA 121-2018 standard
- Ultra strength nylon webbing
- Fully enclosed plated D-ring
- Web catch with double stitch for more durable stopping point
- Available in five colour coded lengths
- Third-party certified to 0.9kg maximum working capacity with a 2:1 safety factor

STANDARDS
ANSI/ISEA 121-2018

CODE	DESCRIPTION	CAPACITY	STOCK
ER19701	Web Tool Tail 6 pack Variety	0.9kg	S



ER19755

SELF-ADHERING TOOL TETHERING TAPE

FEATURES AND BENEFITS

- Meets ANSI/ISEA 121-2018 standard
- Designed for use with Squids Tool Tails™ for safe tool tethering
- Requires no heat source for application
- No adhesives equals no mess
- Fibre glass reinforcement for added durability
- Provides added grip to the handle of a tool
- Third party certified to a 6.8kg maximum working capacity (depending on length, tool, tail and lanyard used)
- Cut & puncture resistant

STANDARDS
ANSI/ISEA 121-2018

CODE	DESCRIPTION	CAPACITY	STOCK
ER19755	Self-Adhering Tape Trap	4.8kg	S



COIL TOOL LANYARD WITH CLAMP

FEATURES AND BENEFITS

- Meets ANSI/ISEA 121-2018 standard
- Coil design: reduces lanyard length, prevents snag & tangle hazards
- Elastic design: comfortable high stretch elastic material
- Easy release clamp attaches securely to just about anything
- Comfortably attaches to hard hats & other head wear
- Third-party certified to 0.9kg maximum working capacity with a 2:1 safety factor

STANDARDS
ANSI/ISEA 121-2018

CODE	CAPACITY	STOCK
ER19159	N/A	S



SQUIDS ELASTIC HARD HAT LANYARD WITH CLAMP

FEATURES AND BENEFITS

- Meets ANSI/ISEA 121-2018 standard
- Comfortable, durable high stratch elastic material to withstand even the roughest conditions
- Easy release clamp attaches securely to just about anything
- Comfortably attaches to hard hats and other head wear
- Third-party certified to 0.9kg maximum working capacity with a 2:1 safety factor

STANDARDS
ANSI/ISEA 121-2018

CODE	CAPACITY	STOCK
ER19155	N/A	S



ER19131

COILED CABLE LANYARD

FEATURES AND BENEFITS

- Meets ANSI/ISEA 121-2018 standard
- Coil design reduces lanyard length and prevents tangle hazards
- Constructed with PU covered aircraft cable for ultimate strength and durability
- Stainless steel carabiners (#304) for corrosion resistance
- Captive eye carabiner with screw gate for locking connection
- Coiled length: 16.5cm
- Extended length: 123cm
- Third-party certified to 2.26kg maximum working capacity with a 2:1 safety factor

STANDARDS
ANSI/ISEA 121-2018

CODE	DESCRIPTION	CAPACITY	STOCK
ER19131	Coil Tool Lanyard	2.3kg	S



ER19301

RETRACTABLE TOOL LANYARD

FEATURES AND BENEFITS

- Meets ANSI/ISEA 121-2018 standard
- Self-setting pawls set desired lanyard length
- ABS thermoplastic housing for ultimate durability
- Nickel-plated swiveling top ring for 360° rotation
- Technora cord for ultimate strength and durability
- Modular quick connecting buckle for exchanging multiple tools
- Third-party certified to 3.6kg maximum working capacity with a 2:1 safety factor

STANDARDS
ANSI/ISEA 121-2018

CODE	DESCRIPTION	CAPACITY	STOCK
ER19301	Retractable Tool Lanyard	0.9kg	S



ER19802



ER19808



ER19864



ER19809

TOOL LANYARD RANGE

STANDARDS
ANSI/ISEA 121-2018

CODE	DESCRIPTION	CAPACITY	STOCK
ER19802	Tool Lanyard Single Carabiner	4.5kg	S
ER19808	Tool Lanyard Single Carabiner	6.8kg	S
ER19864	Tool Lanyard Single Carabiner Modular	2.3kg	S
ER19809	Tool Lanyard Single Swivelling Locking Carabiner	12kg	S



TOOL LANYARD SINGLE CARABINER 6.8KG

FEATURES AND BENEFITS

- Meets ANSI/ISEA 121-2018 standard
- Flexible Elastic Webbing – Reduces snag hazards & tangles
- Locking Screw-Gate Aluminium Carabiner – For easy, secure attachment to tools
- Captive Eye Design – Better predicts direction of load on carabiner & prevents lanyard from sliding into carabiner gate
- Low-Profile Cinch Loop End – For easy tethering to small captive holes on tools
- Lanyard Length – 82-122cm
- Third-party certified to 6.8kg maximum working capacity with a 2:1 safety factor

STANDARDS
ANSI/ISEA 121-2018

CODE	MATERIAL	CAPACITY	STOCK
ER19005	Polyester	6.8kg	S



TOOL LANYARD XL CARABINER + LOOP 36KG

FEATURES AND BENEFITS

- Meets ANSI/ISEA 121-2018 standard
- Made For Heavy Tools – Attach to the structure or job site being worked on instead of the worker
- Aluminium Heavy-Duty Double – Locking Xl Carabiner – Easily attaches to big drills, heavy crowbars or handrails
- Treaded Loop End – Gripping material securely attaches to large tools
- Heavy-Gauge Nylon Stitching – Provides strength & durability
- Lanyard Dimensions – 193cm
- Third-party certified to 36kg maximum working capacity with a 2:1 safety factor

STANDARDS
ANSI/ISEA 121-2018

CODE	MATERIAL	CAPACITY	STOCK
ER19148	Polyester	36kg	S







ARSENAL CANVAS HOIST BUCKET

FEATURES AND BENEFITS

- Meets ANSI/ISEA 121-2018 standard
- 24 oz. canvas main material, heavy-gauge nylon stitching and synthetic leather reinforced base
- Zinc-plated alloy steel D-ring on handle for hoisting
- Zinc-plated alloy steel D-rings built into handle ends for anchoring lanyards
- Interior pocket
- Third-party certified to 68kg maximum working capacity with a 5:1 safety factor

STANDARDS
ANSI/ISEA 121-2018

CODE	MATERIAL	CAPACITY	STOCK
PR15960	Canvas	68kg	S



ARSENAL TOPPED BOLT TOOL POUCH

FEATURES AND BENEFITS

- Meets ANSI/ISEA 121-2018 standard
- Durable 1680D ballistic polyester exterior with 600D polyester ripstop lining and nickel-plated rivets for reinforcement
- One handed cinch top drawstring closure for convenient access and secure storage of tools and parts while at heights
- Two exterior tool loops holds spud wrenches, bull pins, screwdrivers, etc.
- Two exterior D-rings for attaching tool lanyards with 2.3kg max. capacity each
- Third party certified to a 9.1kg maximum working capacity

STANDARDS
ANSI/ISEA 121-2018

CODE	MATERIAL	CAPACITY	STOCK
ER5928	Polyester	9kg	S







WORK BELTS

FEATURES AND BENEFITS

- 1680D ballistic polyester
- Thick, vented foam padding for comfort
- Nickel-plated 2in double tongue metal roller buckle
- Nickel-plated grommets set firmly for durability
- Nickel-plated suspender anchors

CODE	DESCRIPTION	MATERIAL	CAPACITY	STOCK
ER13657	Padded Base Layer Work Belt Arsenal Large Black	Polyester	L	S
ER13658	Padded Base Layer Work Belt Arsenal Extra Large Black	Polyester	XL	S
ER13659	Padded Base Layer Work Belt Arsenal Extra Extra Large Black	Polyester	XXL	S
ER13665	Tool Belt Suspenders Arsenal	Ballistic Polyester	Universal Size	S







SITE SAFETY 8

TRAFFIC MANAGEMENT & ACCESSORIES	601-603
WORKPLACE SANITATION	604

OUR SITE SAFETY PRODUCTS

are tough, durable and designed to keep workers and the public safe.

SITE SAFETY

PREVENTION OF ACCIDENTS!
THAT'S THE MAIN PURPOSE OF USING SITE SAFETY EQUIPMENT.

Our goal is to ensure both worker and the public are kept safe through the utilisation of appropriate visual control safety lines for traffic, construction or facility areas.

FRONTIER'S VISUAL WARNING SAFETY PRODUCTS:

- Highlight potential hazards
- Identify danger and safe zones
- Delineate work or other activity areas

Our products are treated for UV resistance, feature high visibility materials and use made-to-standard reflective tape where required.





TRAFFIC CONE

FEATURES AND BENEFITS

- High quality PVC
- High intensity orange colour
- Sturdy cone and base
- 450mm and 700mm height
- Sold individually

CODE	SIZE	COLOUR	PACK QTY	CTN QTY
FRCONENOTFL0450	450mm	Orange	Each	960 pallet
FRCONENOTFL0700	700mm	Orange	Each	450 pallet
FRCONERFL0G0450	450mm	Orange/Green	Each	450 pallet



TRAFFIC CONE WITH SILVER REFLECTIVE TAPE

FEATURES AND BENEFITS

- High quality PVC
- 150mm Class 1 reflective
- High intensity orange colour
- Sturdy cone and base
- 450mm and 700mm height
- Provides even greater visibility

CODE	SIZE	PACK QTY	CTN QTY
FRCONERFLFL0450	450mm	6	960 pallet
FRCONERFLFL0700	700mm	6	450 pallet



PORTABLE REFLECTIVE DELINEATOR/ BOLLARD

FEATURES AND BENEFITS

- High quality orange PVC
- 900mm height
- 240mm Class 1 reflective
- High intensity orange colour and reflective tape provide excellent visibility - even in low light
- Heavy duty bollard with 6kg or 8kg sturdy base
- Sold individually

CODE	SIZE	PACK QTY	CTN QTY
FRBLRDSTOMF01200	1200m stem	Each	80
FRBLRDBASBK06KG	6kg base	Each	40
FRBLRDBASBK08KG	8kg base	Each	40
FRBLRDKITBK06KG	6kg stem and base	Each	
FRBLRDKITBK08KG	8kg stem and base	Each	



BUNTING FLAGS - 30M ROLL

FEATURES AND BENEFITS

- 45 heavy duty, reinforced flags stitched to rope
- Durable, high visibility fluorescent PVC triangle flags
- 30 metre length
- Re-usable high strength nylon rope
- Provides excellent visibility for hazard areas

CODE	SIZE	PACK QTY	CTN QTY
FRHIVFLAGOO030M	30m roll	Each	20



BARRIER TAPES

FEATURES AND BENEFITS

- 100m x 75mm roll
- Durable, resilient, tear proof plastic
- Designed for extended outdoor use

CODE	DESCRIPTION	SIZE	CTN QTY
FRDANGERR1	DANGER Red White	100m	36
FRCAUTIONYB	CAUTION Yellow	100m	36
FRBARRIERYB	Yellow Black	100m	36
FRBARRIERR1	Red White	100m	36
FRDANGER0R1	DANGER DO NOT ENTER Red White	100m	36



CONE EXTENSION BAR

FEATURES AND BENEFITS

- A reflective extendible bar that extends to a maximum of 2m
- Suitable for use with cones or bollards to create a portable barrier system
- Safety cones and bollards sold separately

CODE	SIZE	PACK QTY	CTN QTY
FRCONEBARBY0000	to 2m	1	6







PLASTIC CHAIN

FEATURES AND BENEFITS

- Use to cordon off parking, VIP areas, wet floors or factory areas
- 6mm polyurethane links
- 50m metre roll

CODE	COLOUR	PACK QTY	CTN QTY
131006BY	Yellow/Black	Reel	1
131006RW	Red/White	Reel	1

SHORT LIGHT DUTY KNEE PADS

FEATURES AND BENEFITS

- Durable copolymer padding
- Super lightweight for comfortable all-day wear
- Single strap with hook & loop closure

CODE	DESCRIPTION	CTN QTY
18200	Ergodyne - ProFlex 200 Short Light Duty Copolymer Knee Pads	6



COMFORT GEL KNEE PADS

FEATURES AND BENEFITS

- Comfort Hinge™ design matches your movement
- Abrasion-resistant cap and durable buckles
- Supportive gel and NBR foam protects knees
- Large slip-resistant hard rubber cap
- Will not scratch or mark surfaces

CODE	DESCRIPTION	CTN QTY
18450	Ergodyne - ProFlex 450 Comfort Hinge Gel Knee Pads - Black	6
18435	Ergodyne - ProFlex 435 Comfort Hinge Gel Knee Pads - Black	6

KWIKMASTER



KM60 INDUSTRIAL WIPERS

FEATURES AND BENEFITS

- Excellent water and oil absorbency
- High strength, performance, and durability
- Versatile, soft wiper for general and precision cleaning
- Also suitable for applying solvent based materials and lubricants
- Convenient dispensing pop-up box
- Rinseable and reusable
- Cost effective, disposable wiping solution
- 0.33mm thick

CODE	DESCRIPTION	SIZE	PACK QTY	CTN QTY
KM60WIPERWW0130	General Purpose Wipers in Pop Up Box	23cm x 42cm	130	8

KWIKMASTER



KM80 HEAVY DUTY INDUSTRIAL WIPERS

FEATURES AND BENEFITS

- Superior water and oil absorbency
- Superior strength, performance, and durability
- Wipers are bulky for heavy duty maintenance
- Best replacement and better absorbency than waste rag
- Also suitable for applying solvent based materials and lubricants
- Convenient dispensing pop-up box or roll options available
- Rinseable and reusable
- Cost effective, disposable wiping solution
- 0.49mm thick
- Pop up box dual dispense

CODE	DESCRIPTION	SIZE	PACK QTY	CTN QTY
KM80WIPERWW0150	Heavy Duty Wipers - Dual Pop Up Box	31.5cm x 42cm	150	4
KM80WIPERWW0540	Heavy Duty Wipers - Roll	31.5cm x 34.5cm	540	1

Premier



DISINFECTANT ANTIBACTERIAL WIPES

FEATURES AND BENEFITS

- Ideal for general use, disinfecting pre-cleaning hard surfaces
- Impregnated with isopropyl alcohol, proven to kill at least 99.9% of bacteria and germs
- Provides a quick germ-kill rate
- Evaporates quickly once on the surface
- Convenient canister with hard flip-top lid

CODE	DESCRIPTION	SIZE	PACK QTY	CTN QTY
BZALCW75	Antibacterial Alcohol Wipes Tub - 75 wipes	14cm x 42cm	1	12





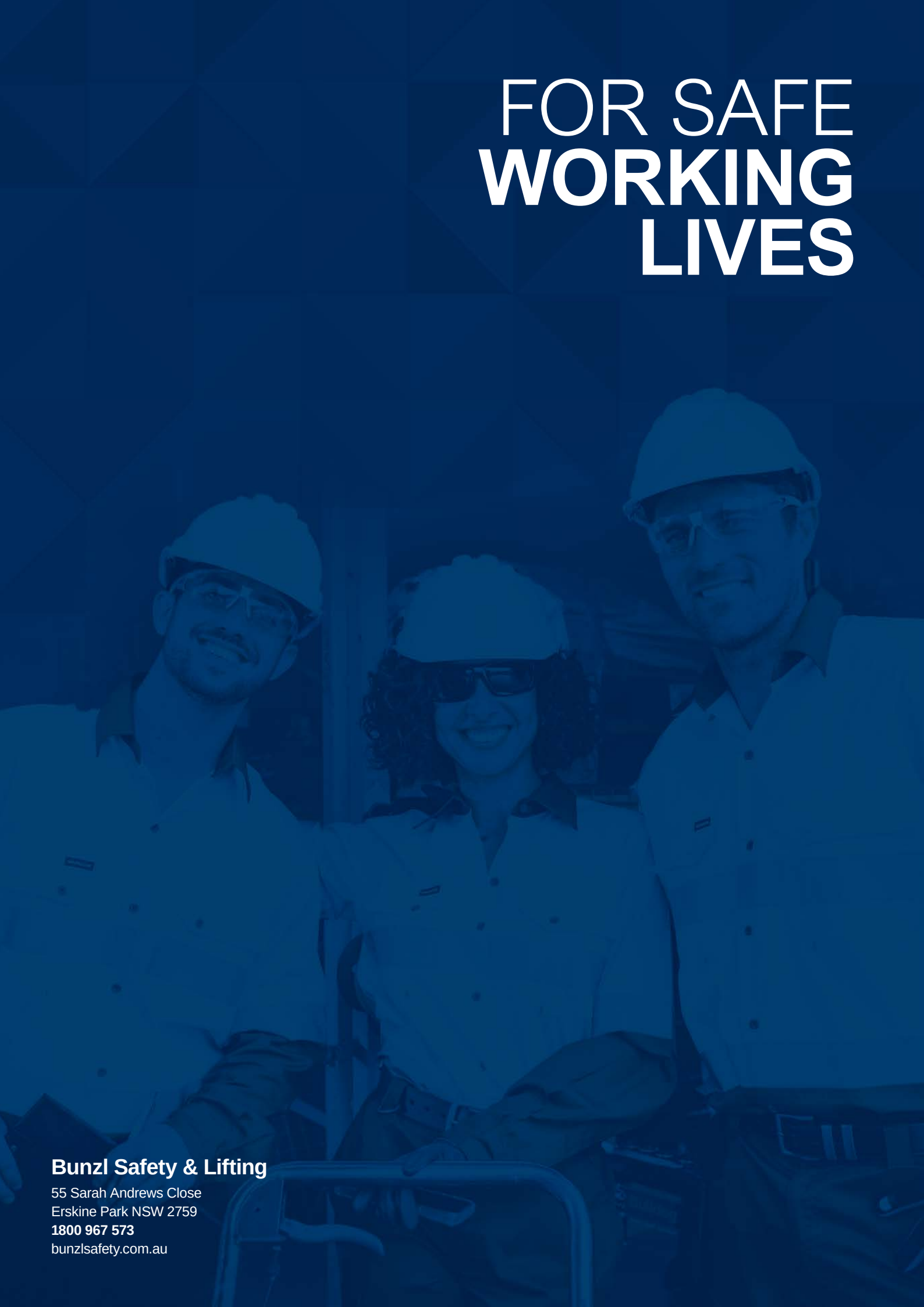
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Bunzl Safety & Lifting
55 Sarah Andrews Close
Erskine Park NSW 2759
1800 967 573
bunzlsafety.com.au