



lifting ^ rigging ^ height safety

NEW Grade 100

Winner
innovative strength

- 25% higher load capacity
- 30% weight saving over Grade 80

32mm

Chain & Fittings

NOW AVAILABLE



WINNER

Lifting gear in G100 quality for chains and fittings

pewag
austria

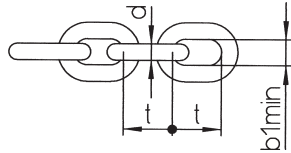


Ph: 1300 977 577

www.lifting.com.au

Winner 200

(Chains according to ASTM A973/A973M-01)

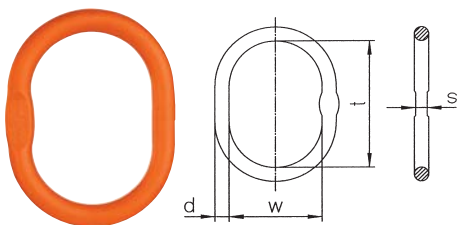


Tag for Winner 200 chains

Code	Nominal diameter d	Standard delivery length [m]	Pitch t	Inside width b1 min.	Outside width b2 max.	Load capacity [kg]	Breaking force [kN]	Weight kg/m
WIN 5 200 ¹⁾	5	100/50	16	7,5	18,5	1.000	39,3	0,61
WIN 6 200	6	150/50	18	8,7	21,6	1.400	56,5	0,89
WIN 8 200	8	250/50	24	10,9	28,8	2.500	100	1,57
WIN 10 200	10	150/50	30	13,5	36,0	4.000	157	2,46
WIN 13 200	13	80/50	39	17,5	46,8	6.700	266	4,18
WIN 16 200	16	50/25	48	21,5	57,6	10.000	402	6,28
WIN 19 200	19	40/25	57	25,6	68,4	14.000	567	8,9
WIN 22 200	22	30/25	66	29,5	79,2	19.000	760	11,88
WIN 26 200*	26	25	78	35,0	94,1	26.500	1.062	16,18
WIN 32 200	32	20	96	43	115	40.000	1.610	24,10

¹⁾ WIN 5 200 supplied in WIN 5 400 only.

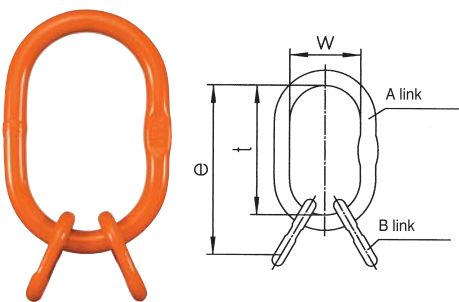
M8W enlarged master link



Similar to master link A, but due to larger inside dimensions suitable for next sized crane hook or special hook.
Master link SA8W: without flattened part for transition link (see p. 41) and special color.

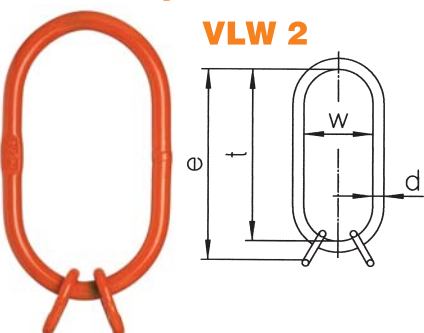
Code	Load capacity 0-60° ²⁾ kg	Can be used up to single hook acc. to DIN15401 no.	d mm	t mm	w mm	s mm	Weight kg/pc.	Master link for chain Ø in mm		
								1-leg	2-leg	3- + 4-leg
								A I	A II	A III/IV
M8W 10	1.730	2,5	11	90	65	10	0,22	5	5	-
M8W 13	2.400	4	14	120	70	10	0,44	6+7	6	5
M8W 16	3.300	5	16	140	80	13	0,67	8	7	-
M8W 18	4.300	6	19	160	95	14	1,09	10	8	6
M8W 22	6.900	10	23	160	110	17	1,69	13	10	7+8
M8W 26	11.600	10	27	190	110	20	2,65	16	13	10
M8W 32	17.300	12	33	230	130	26	4,78	20	16	13
M8W 36	27.700	20	38	275	150	29	7,48	22	20	16
M8W 56*	45.800	50	56	350	250	-	21,98	32	26	20 - 22
SA8W 32	10.000	32	33	540	250	26	9,25	-	-	-
SA8W 45	22.500	50	45	540	250	39	18,7	-	-	-
SA8W 60	31.500	100	60	800	320	55	48,0	-	-	-

VW master link assembly



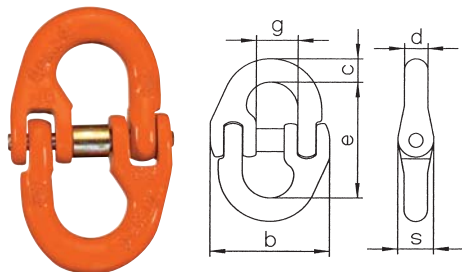
Code	Consisting of	Load capacity 0-60° ²⁾ kg	Can be used up to single hook acc. to DIN15401 no.	e mm	t mm	w mm	Weight kg/pc.
VW 5	A8W 13 + 2 B8W 10	2.300	2,5	154	110	60	0,52
VW 6	A8W 18 + 2 B8W 13	4.200	5	189	135	75	1,26
VW 7-8	A8W 22 + 2 B8W 16	7.600	6	230	160	90	2,32
VW 10	A8W 26 + 2 B8W 20	9.600	8	265	180	100	3,68
VW 13	A8W 32 + 2 B8W 22	14.000	10	315	200	110	6,46
VW 16	A8W 36 + 2 B8W 26	21.200	16	400	260	140	10,06
VW 19-20	A8W 50 + 2 B8W 32	34.100	32	500	350	190	22,87
VW 22	A8W 50 + 2 B8W 36	40.000	32	520	350	190	24,79
VW 26*	A8W 56 + 2 B8W 40	56.000	32	570	400	200	37,75
VW 32	A8W 72 + 2 B8W 50	85.000	50	660	460	250	66,60

VLW oversize master link assembly



Code	Consisting of	Load capacity 0-60° ²⁾ kg	Can be used up to single hook acc. to DIN15401 no.	e mm	d mm	t mm	w mm	Weight kg/pc.
VLW 2-6/7+4-6/7	LW22 + 2B8W13	3.550	25	394	22	340	180	3,5
VLW 2-8+4-8	LW27+2B8W16	5.600	25	410	27	340	180	5,1
VLW 2-10+4-10	LW32+2B8W20	9.500	25	425	33	340	180	8
VLW 2-13+4-13	LW40+2B8W22	14.000	25	455	40	340	180	12,3
VLW 2-16+4-16	LW40+2B8W26	21.200	25	480	40	340	180	13,8

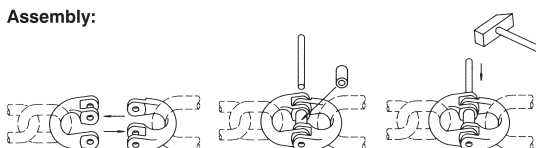
CW connex connecting link



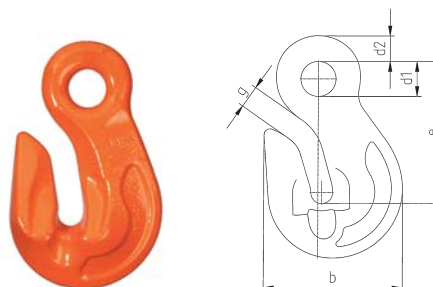
Load pin and collar CBH are also separately available.
Connecting link for:
Master link – chain
Chain – chain
Hook – chain

Code	Load capacity kg	e mm	c mm	s mm	d mm	b mm	g mm	Weight kg/pc.
CW 5	1.000	36	7	9,2	7	34,5	12,7	0,05
CW 6	1.400	44,4	7,8	11	7,6	39	14,1	0,06
CW 7	1.900	51	10	12,9	9	46,5	16,3	0,12
CW 8	2.500	61,5	11,5	15	10	53	18,35	0,18
CW 10	4.000	72	12,6	17,8	12,6	63	23	0,33
CW 13	6.700	88	19	22	16,7	79	27,6	0,7
CW 16	10.000	103	21	29	21	106	33	1,14
CW 19-20	16.000	115	29,5	34,8	24,5	118	41,7	2,14
CW 22	19.000	135	29	38	27	146,5	48	3,21
CW 26*	26.500	190	40	49	30	175	59,1	6,7
CW 32	40.000	206	47	56	35	216	80	11,2

Assembly:



PW eye shortening grab hook



Used for the shortening of chain sling legs. It is the first grab hook in grade 100 on the market. Due to its unique design there is no deration in the load capacity. This is due to the 4 fold feature of the hooks supporting cradle design.

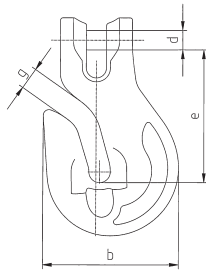
Code	Load capacity kg	e mm	b mm	d1 mm	d2 mm	g mm	Weight kg/pc.
PW 5-6	1.400	51	47,4	12	8,5	8	0,18
PW 7-8	2.500	70,5	58	20	11,5	10,5	0,4
PW 10	4.000	88	76	22	15	13	0,9
PW 13	6.700	113	101	26	18	17	1,8
PW 16	10.000	129	118	32	23	19	3,6
PW 19-20	16.000	151	150	36	27	23,6	6,15
PW 22	19.000	170	165	42	29	26	8,27
PW 26*	26.500	201	195	50	36,6	30,7	13,6
PW 32	40.000	243	242	60	43	38	25,0



CAUTION

The design of the eye shortening grab hooks allow for a quick visual check that the chain is seated in the hook's mouth correctly. The design of the hook means that the supported chain link is no longer contacts the bearing surface of the hook, due to the chain being supported by the side faces of the hook. Meaning no deration of the rated capacity.

KPW clevis shortening grab hook



CAUTION

For shortening and for slings that must not tighten. First Grade 100/W clevis grab hook on the market that does not require reduction in load capacity.

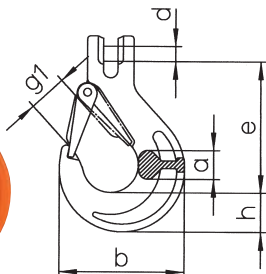
Code	Load capacity kg	e mm	b mm	d mm	g mm	Weight kg/pc.
KPW 5-6	1.400	45	47,4	7,4	8	0,19
KPW 7	1.900	61	58	9	10,5	0,38
KPW 8	2.500	60,5	58	10	10,5	0,38
KPW 10	4.000	76	76	12,5	13	0,85
KPW 13	6.700	104	101	16	17	1,9
KPW 16	10.000	107	122	20	19	3,6
KPW 19-20	16.000	141	150	24	23,6	6,15
KPW 22	19.000	158	165	27,5	26	9



CAUTION

The design of the clevis shortening grab hooks allow for a quick visual check that the chain is seated in the hook's mouth correctly. The design of the hook means that the supported chain link is no longer contacts the bearing surface of the hook, due to the chain being supported by the side faces of the hook. Meaning no deration of the rated capacity.

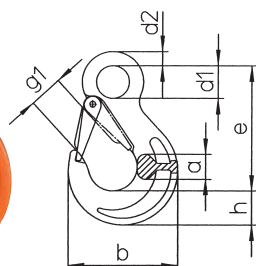
KHSW clevis sling hook



General purpose hook, can be used without transition link and without connecting link. With forged safety catch.

Code	Load capacity kg	e mm	h mm	a mm	d mm	g1 mm	b mm	Weight kg/pc.
KHSW 5-6	1.400	69	20	15	7,4	19	66	0,2
KHSW 7	1.900	95	28	19	9	26	90	0,6
KHSW 8	2.500	94,5	28	19	10	26	90	0,6
KHSW 10	4.000	109	33	25	12,5	31	108	1,1
KHSW 13	6.700	136	40	34	16	39	131	2
KHSW 16	10.000	155	49	37	20	45	153	3,48
KHSW 19-20	16.000	183,5	53	46	24	53	177	5,00
KHSW 22	19.000	213,5	62	50	27	62	196	12,1

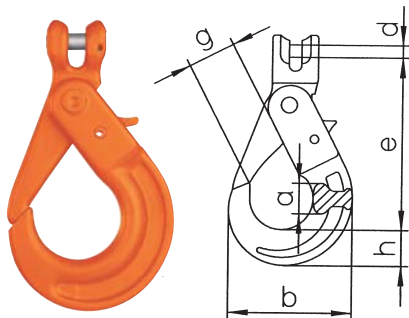
HSW eye sling hook



For general lifting applications. All hooks with forged safety catch.

Code	Load capacity kg	e mm	h mm	a mm	d1 mm	d2 mm	g1 mm	b mm	Weight kg/pc.
HSW 5-6	1.400	84,5	21	16,5	20	10	19	68	0,2
HSW 7-8	2.500	106	27	19	25	11	26	88	0,5
HSW 10	4.000	131	33	26	34	16	31	108,5	1,1
HSW 13	6.700	164	43,5	33	43	19	39	133,7	2
HSW 16	10.000	182,5	50	40	50	24,5	45	154,6	3,5
HSW 19-20	16.000	205	55	48	55	27	53	177,5	4,7
HSW 22	19.000	225	62	50	60	29	62	196	7,3
HSW 26*	26.500	257	75	60	70	35	73	236	12,0
HSW 32	40.000	299	97	82	66	45	87	291	27,5

KLHW clevis self locking hook

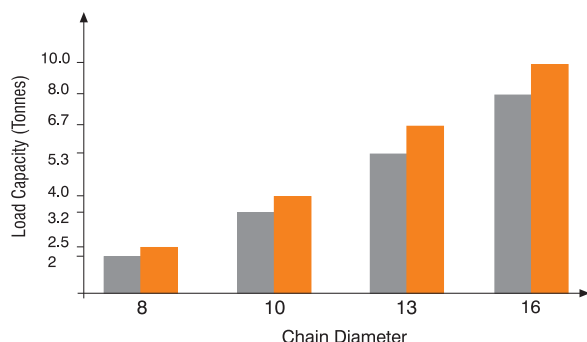


Closes and locks automatically.

Code	Load capacity kg	e mm	h mm	a mm	b mm	d mm	g mm	Weight kg/pc.
KLHW 5-6	1.400	94	20	16	71	7,5	28	0,5
KLHW 7	1.900	123	26	20	88	9	34	0,9
KLHW 8	2.500	123	26	20	88	10	34	0,9
KLHW 10	4.000	144	30	25	107	13	45	1,6
KLHW 13	6.700	180	40	34	138	16	52	2,9
KLHW 16	10.000	217	50	35	168	21	60	5,8
KLHW 19/20	16.000	259	62	50	194	24	70	9,9
KLHW 22	19.000	286	65	52	211	27	81	12,8
KLHW 26	26.500	338	79	61	253	33	100	20,5

The Winner range of Grade 100 chain and fittings from Pewag allows far greater versatility than conventional grade 80. As grade 100 has a 25% greater capacity than grade 80 with the same dimension you are now able to do a greater variety of lifting jobs.

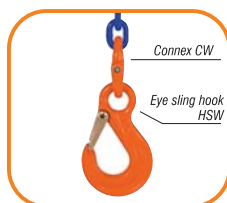
25% higher load capacity than grade 8



■ Grade 80
■ Winner Grade 100

Chain	Capacity (Tonnes)		Capacity Advantage
Diameter mm	Grade 80 Ø	Winner chain Ø	%
8	2.0	2.5	25.0
10	3.2	4.0	25.0
13	5.3	6.7	26.4
16	8.0	10.0	25.0

Grade 100 has many advantages over standard grade 80 slings such as enlarged head rings. The main advantage of these is when using a mobile crane these head rings will be able to be used with out having to introduce shackle's to make the sling fit onto the large crane hooks. Also we can supply a range of head rings with shorteners an integral component to save weight.

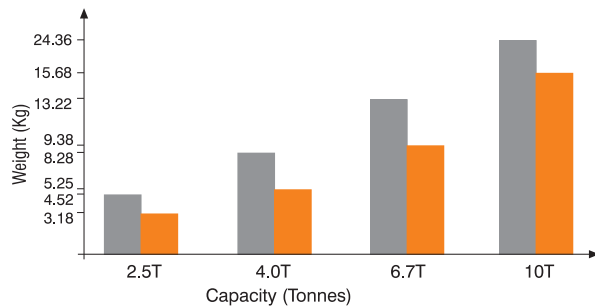


Another advantage is Grade 100's superior resistance to wear as a result of the unique heat treatment. This can translate into a long service life which means increased savings to the operator.

Thanks to the powder coated finish of Grade 100 chain it is easily identified, meaning that it is not confused with Grade 80.

Significant weight savings can also be gained when using Grade 100 as can be seen from the table below:

■ **Approx. 30% weight saved** resulting in easier handling



■ Grade 80
■ Winner Grade 100






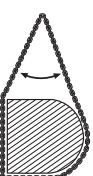

Chain Diameter mm	Load capacity	Grade 80 weight	Winner chain weight	% weight reduction
8	2.5	4.52 kg	3.18 kg	29.64
10	4.0	8.28 kg	5.25 kg	36.59
13	6.7	13.22 kg	9.38 kg	29.05
16	10	24.36 kg	15.68 kg	35.63

Based on:
Single Leg Chain Sling - 1 metre Chain Length

NB: Similar weight savings are applicable to Multi Leg Slings

One of the most important reasons for using Grade 100 is the savings to our environment:

- Reduced energy consumption during production
- Less material used = protection of raw material reserves
- Low weight = reduce transport costs
- Fully recyclable

Safety factor		1-leg chain sling			2, 3 & 4 leg chain sling straight			2, 3 & 4 leg chain sling reeved			Endless chain sling			Endless chain sling reeved		
4																
	Straight		Adjustable		Reeved											
	Angle of spread		–		–		–		60	90	120	60	90	120	–	
	Load factor		1		1		0,75		1,73	1,41	1	1,3	1,06	0,75	1,5	
Code	d	WLL [t]														
WIN 5	5	1.00	1.00	0.75	1.73	1.41	1.00	1.30	1.06	0.75	1.30	1.06	0.75	1.50		
WIN 6	6	1.40	1.40	1.00	2.40	2.00	1.40	1.80	1.48	1.00	1.80	1.48	1.00	2.10		
WIN 8	8	2.50	2.50	1.90	4.30	3.55	2.50	3.25	2.65	1.90	3.25	2.65	1.90	3.75		
WIN 10	10	4.00	4.00	3.00	6.90	5.60	4.00	5.20	4.20	3.00	5.20	4.20	3.00	6.00		
WIN 13	13	6.70	6.70	5.00	11.60	9.50	6.70	8.70	7.10	5.00	8.70	7.10	5.00	10.00		
WIN 16	16	10.00	10.00	7.50	17.30	14.10	10.00	13.00	10.60	7.50	13.00	10.60	7.50	15.00		
WIN 20	20	16.00	16.00	12.00	27.70	22.56	16.00	20.80	17.00	12.00	20.80	17.00	12.00	24.00		
WIN 22	22	19.00	19.00	14.20	32.90	26.50	19.00	24.70	20.10	14.20	24.70	20.10	14.20	28.50		
WIN 26	26	26.50	26.50	19.80	45.80	37.30	26.50	34.40	28.00	19.80	34.40	28.00	19.80	39.70		
WIN 32	32	40.00	40.00	30.00	69.20	56.40	40.00	52.00	42.40	30.00	52.00	42.40	30.00	60.00		

Head Office ROBERTSONS

BRISBANE STH 4 Burchill Street Loganholme, Qld 4129
BRISBANE NTH 5 Johnstone Road Brendale, Qld 4500
GOLD COAST 39 Dover Drive Burleigh Heads, QLD 4220
TOOWOOMBA 5/388 Taylor Street Toowoomba, QLD 4350
SYDNEY 50 Skarratt Street North Silverwater, NSW 2128
NEWCASTLE 33 Firebrick Drive Thornton NSW 2322
MUSWELLBROOK Lot 49 Thomas Mitchell Drive Muswellbrook NSW 2333

P 07 3801 0811 F 07 3209 6325
P 07 3881 1445 F 07 3881 2662
P 07 5535 8277 F 07 5535 8366
P 07 4634 6566 F 07 4634 6533
P 02 9748 3044 F 02 9648 4120
P 02 4966 8622 F 02 4966 8611
P 02 6541 5100 F 02 6543 3233

MACKAY 179 Boundary Road Paget, Qld 4740
GLADSTONE 4 Tranberg Street Gladstone, Qld 4680
MELBOURNE 9 Byron Street Williamstown, Vic 3016
DANDENONG 28 Swift Way Dandenong South, Vic 3175
PERTH 16-18 Kewdale Road Welshpool, WA 6106
KALGOORLIE 149 Boulder Road Kalgoorlie, WA 6430

P 07 4952 5520 F 07 4952 5545
P 07 4972 6511 F 07 4972 6899
P 03 9397 3833 F 03 9397 3844
P 03 9768 3244 F 03 9768 3422
P 08 9451 1522 F 08 9451 1533
P 08 9091 0900 F 08 9091 0999