About Our Company

Dear Customer,

Prolift Handling Ltd was formed in 2013 and is a wholly Irish owned company.

We are the largest supplier and service provider of lifting, material Handling and Height Safety equipment in Ireland and also recognised throughout Europe as a leading distributor within our industry.

Prolift is an ISO9001 and ISO14001 accredited company and also a full and certified member of LEEA (Lifting Equipment Engineers Association).

The cornerstone of our business is to supply high quality, European manufactured products that meet all EN standards and regulatory requirements, whilst also striving to live up to our corporate responsibilities towards people and the environment.

We are delighted to present to you our new catalogue detailing the lifting, height safety and material handling equipment that we supply. We endeavour to provide only the highest quality products by being official distributors for leading European manufacturers such as Pewag, Modulift, LMS, Verlinde, TAWI, Reid Lifting and Kratos.

This catalogue is designed to give you an overview of our product range and also to give you and your team a platform to make an informed decision on which equipment may best suit your application.

If required, a more detailed product overview including specifications, user guides and data sheets can be found by scanning the QR code at start of each chapter or by visiting our website **www.prolift.ie**.

Our sales team are on hand to answer your calls and our field sales team would be more than happy to make a site visit to assist you further with your requirements.

Darragh Hickey
Director

David McElhinney
Director

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Chain and Chain Components

- Grade 80 Chain and Chain Components
- Grade 100 Chain and Chain Components
- Grade 120 Chain and Chain Components
- Fishing and Aquaculture Chains
- Stainless Steel Chain and Chain Components

Grade 80 Chains and Components

KWB Safety in action Super Alloy G 80 Characteristics

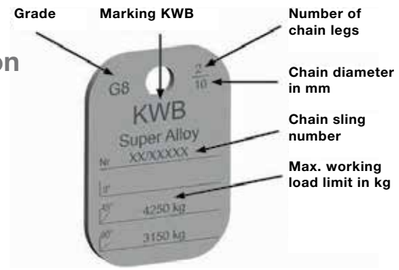
Chain Quality:	**Super Alloy Chain**	**SA**	Corresponds with EN 818-2 & machinery directive 2006/42/EC
Stress at Load Capacity Limit:			200 N/mm²
Test Stress:			500 N/mm² – corresponds to 2.5 times the load capacity
Breaking Stress:			800 N/mm² – corresponds to 4 times the load capacity
Breaking Elongation:			min. 20%
Bending acc. to EN 818-2:			0.8 x nominal diameter
Permissible Working Temperature:	**Super Alloy Chain**	**SA**	max. 400°C
	Components		max. 400°C
Grade marking:	**Super Alloy Chain**	**SA**	8
	Components		8
Surface:	**Super Alloy Chain**	**SA**	Black painted
	Components		Powder coated
Working Load Tag:	**Super Alloy Chain**	**SA**	

All the required data is shown on the working load tag.

Note: Working load tags should only be assembled acc. EN 818-4 and by competent persons. Working load tags should be used, solely when the respective chain & KWB components are assembled in the chain sling. Should alternative Working load limits arise in the chain sling through the use of special parts, the tags are impermissible. Disregard of these instructions can lead to material damage and personal injury. KWB will not assume liability.

Temperature	-40° to 200°C	above 200° to 300°C	above 300° to 400°C
Load Factor Super Alloy	1	0.9	0.75
Asymmetric Load Distribution	In this case the working load limit must be reduced by at least one chain leg, for example a 3-leg or 4-leg sling is to be classified as a 2-leg chain sling. In case of doubt, it must be supposed that only one of the chain legs carries the entire load.		
Edge Loads	R = larger than 2x chain Ø 	R = larger than chain Ø 	R = chain Ø or smaller 
Load Factor	1	0.7	0.5
Impact Load	slight impact	medium impact	strong impact
Load Factor	1	0.7	impermissible

Clear Identification



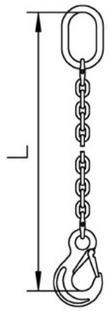
Sample of tag for ready made chain sling

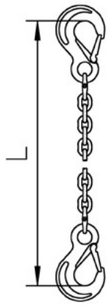
Certificate

A test certificate is issued for all our products

which certifies all the specified charcteristics.

Sling examples


I A-HS V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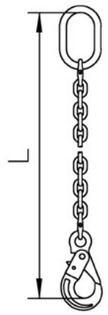
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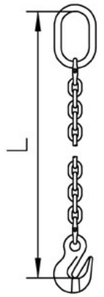
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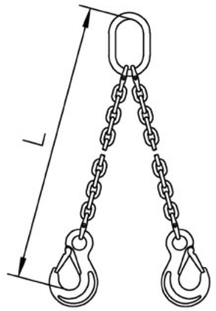
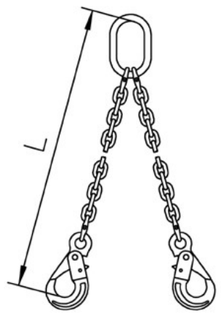

II A-HS V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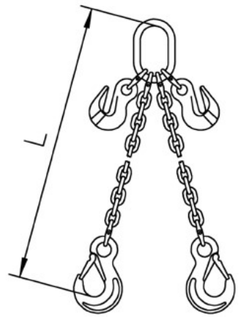
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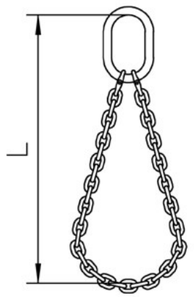
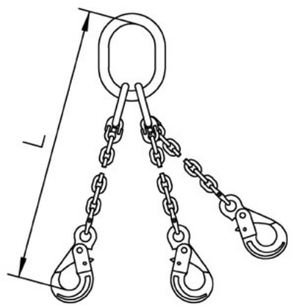
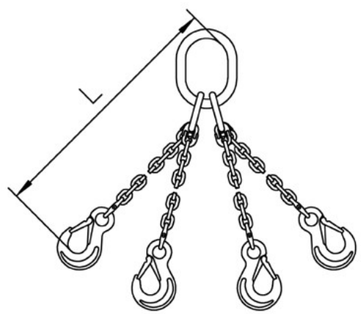

I A-S V


III G-HSB V


IV G-HS V

Example of Order Text:

Super Alloy chain SA 10mm, 2 legs with masterlink A and eye sling hook with forged safety latch HS, length 3,000mm assembled with connecting link V.

SA	10	II	A - HS	3000	V
Chain	Nominal Diameter	Number of Legs	Master Link / Hook	Length	Connecting Link

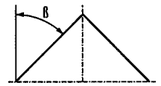
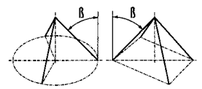
KWB Super Alloy Chain

Super Alloy Chain SA acc, EN 818-2 – Measurements, Load Values, Weights

Chain D	P	Li/min.	Le/max.	Weight	WLL	Breaking Load
mm	mm	mm	mm	kg/m	kg	kN
6	18	7.8	22.2	0.8	1,120	45.2
7	21	9.1	25.9	1.1	1,500	61.6
8	24	10.4	29.6	1.4	2,000	80.4
10	30	13	37	2.2	3,150	126
13	39	16.9	48.1	3.8	5,300	212
16	48	20.8	59.2	5.7	8,000	322
18	54	23.4	66.6	7.3	10,000	407
20	60	26	74	9	12,500	503
22	66	28.6	81.4	10.9	15,000	608
26	78	33.8	96.2	15.2	21,200	849
32	96	41.6	118	23	31,500	1,290

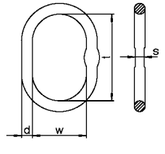
Safety factor 4:1

Maximum Working Load Limit for Super Alloy Chains

Chain Ø	1-leg Chains	2-leg Chains		3- & 4-leg Chains	
					
Angle of Inclination		0<ß<45°	0<ß<60°	0<ß<45°	0<ß<60°
Load Factor	1	1.4	1	2.1	1.5
Ø	Load Capacity [kg]				
6	1,120	1,600	1,120	2,360	1,700
7	1,500	2,120	1,500	3,150	2,240
8	2,000	2,800	2,000	4,250	3,000
10	3,150	4,250	3,150	6,700	4,750
13	5,300	7,500	5,300	11,200	8,000
16	8,000	11,200	8,000	17,000	11,800
18	10,000	14,000	10,000	21,200	15,000
20	12,500	17,000	12,500	26,500	19,000
22	15,000	21,200	15,000	31,500	22,400
26	21,200	30,000	21,200	45,000	31,500
32	31,500	45,000	31,500	67,000	47,500

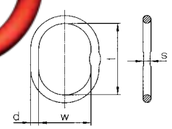
If the chains are used in more demanding conditions (e.g. high temperature, asymmetric load distribution edge loads, impacts) the maximum load capacities in the table must be reduced, Please use the load factors and refer to the specification in the user information,

KWB Safety in action Master Link A



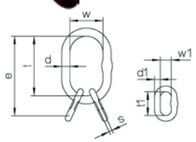
Chain Ø ⊥	Chain Ø ⋀	Code	Commercial Code	Measurements d	t	w	s	Weight	WLL 0°-45° *
mm	mm			mm				kg	kg
6+7	6	A 06/76.8	A 13	13	110	60	10	0.34	2,300
8	7	A 87.8	A 16	16.5	110	60	14	0.58	3,500
10	8	A 108.8	A 18	19	135	75	14	0.92	5,000
13	10	A 1310.8	A 22	23	160	90	17	1.60	7,600
16	13	A 1613.8	A 26	27	180	100	20	2.46	9,600
18	16	A 1816.8	A 32	33	200	110	26	4.04	13,600
20	18	A 2018.8	A 36	36	260	140	-	6.22	25,100
22	20	A 2220.8	A 36	36	260	140	-	6.22	25,100
26	22	A 2622.8	A/T 45	45	340	180	-	12.82	30,800
32	26	A 3226.8	A/T 50	50	350	190	-	16.60	40,000
36	32	A 3632.8	A/T 56	56	400	200	-	23.30	60,000
40	36	A 4036.8	A/T 56	56	400	200	-	23.30	60,000

KWB Safety in action Special Master Link T



Chain Ø ⊥	Chain Ø ⋀	Code	Commercial Code	Measurements d	t	w	s	Weight	WLL 0°-45° *
mm	mm			mm				kg	kg
6+7+8	6+7	T 87.8	T 13	14	120	70	10	0.44	2,300
10	8	T 108.8	T 16	16.5	140	80	14	0.67	3,200
13	10	T 1310.8	T 20	20	160	95	14	1.21	5,400
16	13	T 1613.8	T 26	27	190	110	20	2.65	10,100
18+20	16	T 2016.8	T 32	33	230	130	26	4.78	15,700
22	18+20	T 2220.8	T 38	38	275	150	29	7.48	20,500

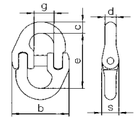
KWB Safety in action Sub-Assembly G



Chain Ø ⋀⋀	Code	Commercial Code	Measurements d	t	w	d1	t1	w1	s	e	Weight	WLL 0°-45°
mm			mm								kg	kg
6+7	G 06/7.8	G 06/7.8	19	135	75	13	60	38	10	195	1.32	4,200
8	G 08.8	G 08.8	23	160	90	16.5	70	34	14	230	2.32	7,600
10	G 10.8	G 10.8	27	180	100	19.5	85	40	14	265	3.52	9,600
13	G 13.8	G 13.8	33	200	110	23	115	50	17	315	6.26	13,780
16	G 16.8	G 16.8	36	260	140	27	140	65	20	400	9.86	20,800
18	G 18.8	G 18.8	45	340	180	33	150	70	490	18.92	30,700	13,600
20	G 20.8	G 20.8	50	350	190	33	150	70	500	22.65	34,100	25,100
22	G 22.8	G 22.8	50	350	190	36	170	75	520	25.19	40,000	25,100
26	G 26.8	G 26.8	56	400	200	40	170	80	570	38.01	54,000	30,800
32	G 32.8	G 32.8	70	460	250	50	200	100	660	66.6	76,000	40,000

*Please refer to table "Maximum Working Load Limit" on page 9 when using in chain slings.

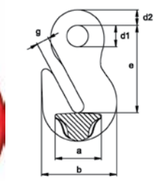
KWB Safety in action Connecting Link V



Chain	Code	Measurements g	s	b	e	c	d	Weight	WLL 0°-45° *
mm		mm						kg	kg
6	V 06.8 U	14.1	11	39	44.4	7.8	7.6	0.06	1,120
7	V 07.8 U	17	13	47	51	10	9	0.12	1,500
8	V 08.8 U	18.35	14	55	61.5	11.5	10	0.18	2,000
10	V 10.8 U	23	18	64	72	12.6	12.6	0.33	3,150
13	V 13.8 U	27.6	22	79	88	19	16.7	0.7	5,300
16	V 16.8 U	33	29	106	103	21	21	1.14	8,000
20	V 20.8 U	41.7	35	123	115	29.5	23.5	2.1	12,500
22	V 22.8	48	39	150	133	27	27	2.2	15,000
26	V 26.8 U	61	46	159	164	32	30	5.1	21,200
32	V 32.8 U	80	50	195	194	40	32	8.5	31,500

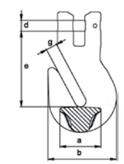
*Please refer to table "Maximum Working Load Limit" on page 9 when using in chain slings.

KWB Safety in action Eye Grab Hook P



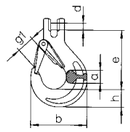
Chain	Code	Measurements g	d2	d1	e	a	b	Weight	WLL
mm		mm						kg	kg
6	P 06.8 *	7	9	12	50	26	41	0.14	1,120
7+8	P 07/8.8 *	9	12	16	65	34	55	0.34	2,000
10	P 10.8 *	12	14	20	77	46	69	0.65	3,150
13	P 13.8 *	15	19	26	101	60	89	1.44	5,300
16	P 16.8 *	19	23	32	121	70	110	2.60	8,000
18+20	P 20.8	25	27	36	151	84	150	6.15	12,500
22	P 22.8	27	31	42	170	91	165	8.30	15,000
26	P 26.8	32	37	50	201	107	195	13.80	21,200
32	P 32.8	39	44	60	245	139	231	21.80	31,500
32	V 32.8 U	80	50	195	194	40	32	8.5	31,500

KWB Safety in action Clevis Grab Hook PK



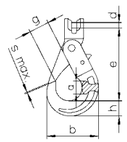
Chain	Code	Measurements g	d	e	a	b	Weight	WLL
mm		mm					kg	kg
7+8	PK 07/8.8 *	9	9	63	34	55	0.40	2,000
10	PK 10.8 *	12	12.5	78	46	69	0.79	3,150
13	PK 13.8 *	15	16	93	60	89	1.61	5,300
16	PK 16.8 *	19	20	115	70	110	3.10	8,000
20	PK 20.8	25	24	141	84	150	6.15	12,500

KWB Clevis Sling Hook with Forged Safety Latch HKS



Chain	Code	Measurements						Weight	WLL
		e	h	a	d	g1	b		
mm		mm						kg	kg
6	HKS 06.8 U	19	15	20	7.4	69	66	0.2	1,120
7+8	HKS 07/8.8 U	26	19	28	9	95	90	0.6	2,000
10	HKS 10.8 U	31	25	35	12.5	109	108	1.1	3,150
13	HKS 13.8 U	39	34	41	16	136	131	2	5,300
16	HKS 16.8 U	45	37	49	20	155	153	3.5	8,000
20	HKS 20.8 U	53	51	53	24	184	177	5	12,500
22	HKS 22.8 U	62	52	62	27	214	196	9.0	15,000

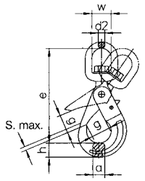
KWB Clevis Self Locking Hook HKSB



Standard type can not be swivelled when loaded. Not for welded system!

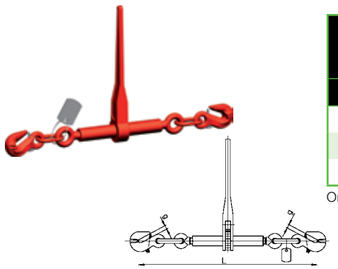
Chain	Code	Measurements						s max.	Weight	WLL
		g	d	e	a	b	h			
mm		mm						mm	kg	kg
6	HKSB 06.8 U	28	7.4	94	17	71	20	1	0.5	1,120
7+8	HKSB 07/8.8 U	34	9	123	20	88	26	1	0.9	2,000
10	HKSB 10.8 U	45	12.5	144	29	107	30	1	1.6	3,150
13	HKSB 13.8 U	52	16	180	35	138	40	1.5	2.9	5,300
16	HKSB 16.8 U	60	20	218	41	168	50	2	5.8	8,000

KWB Swivel Self Locking Hook WSB



Chain	Code	Measurements						s max.	Weight	WLL
		e	h	d2	w	a	g			
mm		mm						mm	kg	kg
6	WSB 06.8	161	20	12	35	16	28	1	0.6	1,120
7+8	WSB 07/8.8	182	26	12	35	20	34	1	1.1	2,000
10	WSB 10.8	218	30	16	42	25	45	1	2.0	3,150
13	WSB 13.8	269	40	20	49	35	52	1.5	4.0	5,300
16	WSB 16.8	319	50	24	60	35	60	2	6.8	8,000

KWB Ratchet Load Binder with Grab Hooks RLSP



Code	Max. Permissible LC	Normal Tension Force STF	Length Closed L	Length Open L	Tension Range	Width Opening g	Weight
	kN	daN	mm				kg
RLSP 08	40	1,900	586	731	145	12	4.6
RLSP 10	63	1,900	626	771	145	15	5.4
RLSP 13	100	3,000	708	853	145	19.5	8

Only for lashing. Not for lifting purposes!

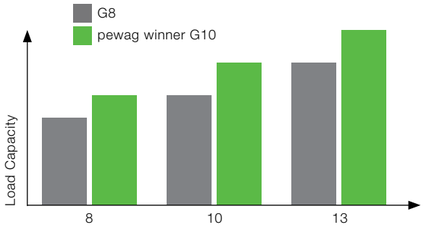
Grade 100 Chains and Components

Lifting chains in G10 quality

benefits that outweigh the rest.

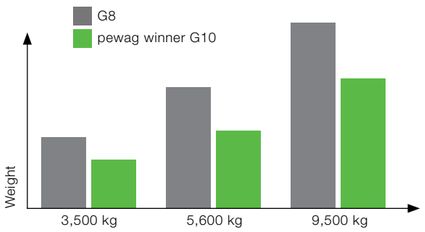
pewag is among the world's best manufacturers of lifting chains – for a good reason, as our products are the result of a responsible development process that focuses on user-friendliness and safety. These features are clearly measurable and form the basis of the pewag product development and manufacturing process, where only the best results count!

- 25% more load capacity compared to G8.



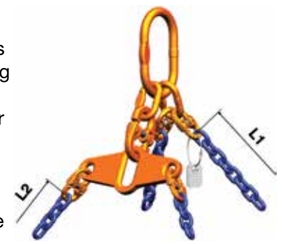
Load capacity	Previous chain Ø	pewag winner chain Ø
3,550	10	8
5,600	13	10
9,500	16	13

- Simplified handling thanks to a 30% weight reduction.



Load capacity	Previous chain Ø	pewag winner chain Ø	% weight reduction
3,550	16.20 kg	11 kg	32%
5,600	27.60 kg	17.60 kg	36%
9,500	42.20 kg	29.60 kg	30%

- Attractive price/performance ratio thanks to the small price differential compared to grade 8.
- One dimension smaller than grade 8 slings, for many load ranges – thus providing excellent value.
- Extended service life due to higher wear resistance.
- WIN 400 Easy identification – each link is marked with "W".
- WIN 200 Easy identification – each link is marked with "10".
- Code on chain and component ensures traceability of all manufacturing data.
- Distinctive oval-shaped tags with precise information helps avoid confusion with grade 8.
- High-visibility orange powder-coating for simple visual identification.
- Largest range of components in special grade 10 quality – for 11 chain dimensions.
- Fastest and simplest assembly of slings thanks to VXKW set with unique shortening element.
- Additional safety feature compared to shortening claws, thus reducing risks resulting from improperly attached chains of our shortening hooks



- Easier and faster annual inspection as fewer components are used.
- Compatible with our grade 8 range – used slings are easy to repair. NOTE: Grade 10 components may be used to repair G8, but not at an increased load capacity!
- First company to offer parallel hooks with 100% load capacity – shortening of the sling chain does not require a reduction in load caused by shear effect of the hook!
- 3 assembly systems of slings: welded, Connex and Clevis system.
- Pioneer: pewag were the first to sell G10 lifting chains and have a wealth of experience in this field.
- Quality-approved European production by an ISO 9001 certified company.
- Worldwide distribution network – smooth supply of spare and replacement parts.
- All components comply with EN 1677-1, -2, -3 or -4.
- A true-as-steel bonus: The pewag winner 400 chain meets the EN 818-2 with higher working load limit resp. PAS 1061 up to 16 mm and Machinery Directive 2006/42/EG.

True-as-steel quality management principles best explain why pewag is now offering even more benefits for lifting chains. For instance, ISO 14001 certification is being rigorously implemented for the G10 lifting chains, resulting in significantly lowered energy and material consumption during manufacturing, thus preserving raw materials – an environmentally friendly approach throughout! And the reduced amount of materials used also means that less material has to be recycled.

Core data of the pewag winner range – winner by name, winner by nature.

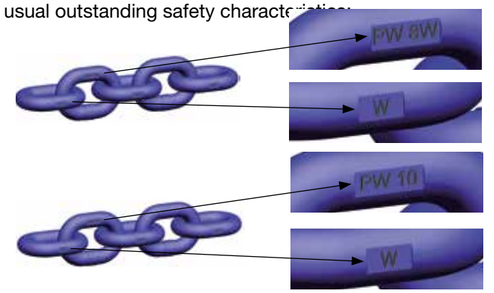
- **Top ranking:**
  pewag winner 200 – meets the requirements of ASTM A973/A973M-01 and of EN 818-2 but with higher load capacity (however admissible operating temperature of 200°C max.) and 2006/42/EG Machinery Directive.**Chain quality of pewag winner 400** meets the EN 818-2 with higher working load limit resp. PAS 1061 up to 16 mm and Machinery Directive 2006/42/EC.
- **Stress at load capacity limit:** 250 N/mm2.
- **Test stress:** 625 N/mm² – equals 2.5 times the load capacity.
- **Breaking stress:** 1,000 N/mm² – equals 4 times load capacity.
- **Breaking elongation:** min. 20%.
- **Bending according to EN 818-2 or PAS 1061:** 0.8 x nominal diameter.
- **Admissible operating temperature:**
  pewag winner 200: 200°C max.
  pewag winner 400: up to 380°C.
- **Quality grade stamps**
  pewag winner 200: 10 at a spacing of approx. 300 mm till 16 mm chain (other 0.9 m) and 10 additionally on the back of each link.
  pewag winner 400: 10 at a spacing of approx. 300 mm up to 16 mm chain (other 900 mm) and W on the back of each link.
  Components: 10.
- **Manufacturer's name or symbol on the chain and components:** PW or pewag.
- **Surface:**
  pewag winner 200: shot-blasted and clear coated
  pewag winner 400: blue painted
  Components: orange powder-coated
  Welded system: blue painted
- **Compatibility:**
  pewag winner chains and components may be combined by a competent person under consideration of the manufacturer specifications with all grade 8 components that meet the requirements of EN 818 and EN 1677. Furthermore, the pewag winner chains may be combined with all competitor chains and components that are compatible with EN 818. and EN 1677 qualified items. Please note that the products cannot be combined with items that do not comply with EN 818 or EN 1677! The maximum working load capacity of the overall system is always defined by its weakest part.

  Only original pewag spare parts (e.g. pins and bolts, safety catches, etc.) may be used for pewag products, subject to inspection and approval by the competent person.
- **Product characteristics** for stress crack corrosion are equal to those of grade 8.

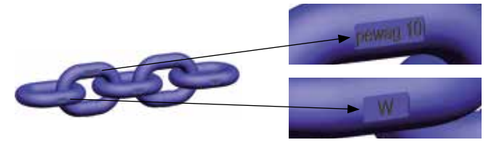
All dimensions given in this catalog are nominal dimensions. Depending on the manufacturing process they are subject to various manufacturing tolerances. Please contact our customer service if required.

pewag winner chain markings, old and new.

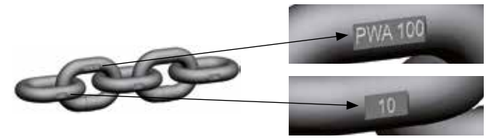
pewag winner 400 chain with old chain markings and the usual outstanding safety characteristics:



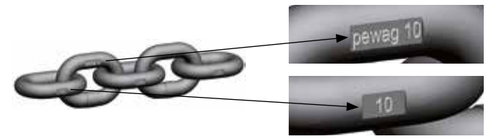
pewag winner 400 chain with old chain markings and the usual outstanding safety characteristics:



WIN 200 chain with old chainmarking:



WIN 200 chain with new chainmarking:



Exceptional conditions of use

Even the highest-quality products will lose some of their load capacity if used at high temperatures, as a consequence of asymmetric load distribution, edge loading, shock/impact loading or other exceptional conditions of use. Please consult the user information for details.

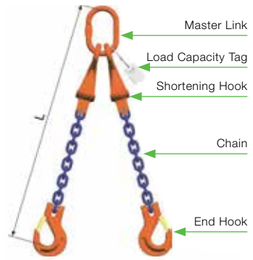
The following circumstances are considered exceptional conditions of use as outlined above:

Temperature	-40°C - 200°C	above 200°C - 300°C	above 300°C - 380°C
Load factor pewag winner 200	1	not permissible	not permissible
Load factor pewag winner 400	1	0.9	0.75
Asymmetric load distribution	The WLL has to be reduced by at least I leg. In case of doubt only consider I leg as load-bearing.		
Edge load*	R = larger than 2 x d* 	R = larger than d* 	R = smaller than d* 
Load factor	1	0.7	0.5
Shock	slight shocks	medium shocks	strong shocks
Load factor	1	0.7	not permissible

* d = dia. of chain

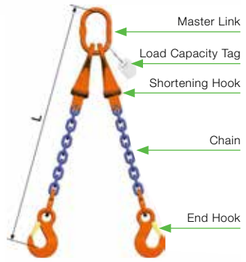
Sample order text for pewag winner sling types

Here you will find some examples that show what an order of a fully assembled and commercially available pewag winner G10 chain system could look like, clearly labelled and with all components and measurements. What you see here is a pewag winner 400 II-leg chain sling, 13mm, with shortening device and hook.
Length: 3,000mm.



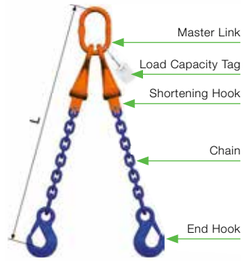
Clevis system:

WIN 13	400	II	VXKW	-	KSHW	3000
Nominal Diameter	Short Designation	Number of Legs	Master Link		End Hook	Length [mm]



Connex system:

WIN 13	400	II	VXKW	-	KSHW	3000 Connex
Nominal Diameter	Short Designation	Number of Legs	Master Link		End Hook	Length [mm]

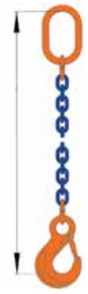


Welded system:

WIN 13	400	II	VXKW	-	KSHW	3000
Nominal Diameter	Short Designation	Number of Legs	Master Link		End Hook	Length [mm]

pewag winner standard sling types


I AW-AW Connex


I AW-HSW Connex


I AW-LHW Connex


I AW-PSW Connex


II AW-AW Connex


II AW-HSW Connex


II AW-HSW-AGWW Connex


II AW-HSW-PW_ Connex 2017


III VW-AW Connex


III VW-HSW Connex


III VW-LHW Connex


III VW-PSW Connex


IV VW-AW Connex

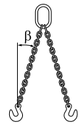
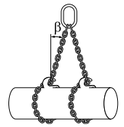
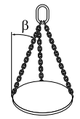

IV VW-HSW Connex

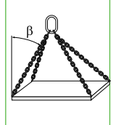

IV VW-HSW-AGWW Connex


IV VXKW-KLHW

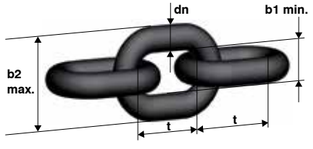
pewag winner load capacities.

The load capacities listed are maximum values of the various sling types, stated according to the standard (Uniform Load) method of rating.

Safety factor 4		I-leg chains		II-leg chains				III- + IVleg chains
								
Angle of inclination β		-	-	0° – 45°	45° – 60°	0° – 45°	45° – 60°	0° – 45°
Load factor		1	0.8	1.4	1	1.12	0.8	2.1
Code	D	Load capacity (kg)						
WIN 5	**5**	**1,000**	**800**	**1,400**	**1,000**	**1,120**	**800**	**2,000**
Ni 5 G8	5	800	640	1,120	800	900	640	1,600
WIN 6	**6**	**1,400**	**1,120**	**2,000**	**1,400**	**1,600**	**1,120**	**3,000**
Ni 6 G8	6	1,120	900	1,600	1,120	1,250	900	2,360
WIN 7	**7**	**1,900**	**1,500**	**2,650**	**1,900**	**2,120**	**1,500**	**4,000**
Ni 7 G8	7	1,500	1,200	2,120	1,500	1,700	1,200	3,150
WIN 8	**8**	**2,500**	**2,000**	**3,550**	**2,500**	**2,800**	**2,000**	**5,300**
Ni 8 G8	8	2,000	1,600	2,800	2,000	2,240	1,600	4,250
WIN 10	**10**	**4,000**	**3,150**	**5,600**	**4,000**	**4,250**	**3,150**	**8,000**
Ni 10 G8	10	3,150	2,500	4,250	3,150	3,550	2,500	6,700
WIN 13	**13**	**6,700**	**5,300**	**9,500**	**6,700**	**7,500**	**5,300**	**14,000**
Ni 13 G8	13	5,300	4,250	7,500	5,300	5,900	4,250	11,200
WIN 16	**16**	**10,000**	**8,000**	**14,000**	**10,000**	**11,200**	**8,000**	**21,200**
Ni 16 G8	16	8,000	6,300	11,200	8,000	9,000	6,300	17,000
WIN 19	**19**	**14,000**	**11,200**	**20,000**	**14,000**	**16,000**	**11,200**	**30,000**
Ni 19 G8	19	11,200	8,950	16,000	11,200	12,500	8,950	23,600
WIN 22	**22**	**19,000**	**15,000**	**26,500**	**19,000**	**21,200**	**15,000**	**40,000**
Ni 22 G8	22	15,000	12,000	21,200	15,000	17,000	12,000	31,500
WIN 26	**26**	**26,500**	**21,200**	**37,500**	**26,500**	**30,000**	**21,200**	**56,000**
Ni 26 G8	26	21,200	16,950	30,000	21,200	23,700	16,950	45,000
WIN 32	**32**	**40,000**	**31,500**	**56,000**	**40,000**	**45,000**	**31,500**	**85,000**
Ni 32 G8	32	31,500	25,200	45,000	31,500	35,200	25,200	67,000

Safety factor 4		III- + IVleg chains	IV- leg chains with load distributor		Endless chain sling	Single lifting sling		Double lifting sling	
									
Angle of inclination β		45° – 60°	0° – 45°	45° – 60°	-	0° – 45°	45° – 60°	0° – 45°	45° – 60°
Load factor		1.5	2.8	2	1.6	1.4	1	2.1	1.5
Code	D	Load capacity (kg)							
WIN 5	**5**	**1,500**	**2,800**	**2,000**	**1,600**	**1,400**	**1,000**	**2,000**	**1,500**
Ni 5 G8	5	1,180	2,240	1,600	1,250	1,120	800	1,600	1,180
WIN 6	**6**	**2,120**	**4,000**	**2,800**	**2,240**	**2,000**	**1,400**	**3,000**	**2,120**
Ni 6 G8	6	1,700	3,150	2,240	1,800	1,600	1,120	2,360	1,700
WIN 7	**7**	**2,800**	**5,300**	**3,750**	**3,000**	**2,650**	**1,900**	**4,000**	**2,800**
Ni 7 G8	7	2,240	4,000	3,000	2,500	2,120	1,500	3,150	2,240
WIN 8	**8**	**3,750**	**7,100**	**5,000**	**4,000**	**3,550**	**2,500**	**5,300**	**3,750**
Ni 8 G8	8	3,000	5,600	4,000	3,150	2,800	2,000	4,250	3,000
WIN 10	**10**	**6,000**	**11,200**	**8,000**	**6,300**	**5,600**	**4,000**	**8,000**	**6,000**
Ni 10 G8	10	4,750	8,500	6,300	5,000	4,250	3,150	6,700	4,750
WIN 13	**13**	**10,000**	**19,000**	**13,200**	**10,600**	**9,500**	**6,700**	**14,000**	**10,000**
Ni 13 G8	13	8,000	14,000	10,600	8,500	7,500	5,300	11,200	8,000
WIN 16	**16**	**15,000**	**28,000**	**20,000**	**16,000**	**14,000**	**10,000**	**21,200**	**15,000**
Ni 16 G8	16	11,800	22,400	16,000	12,500	11,200	8,000	17,000	11,800
WIN 19	**19**	**21,200**	**39.200**	**28.000**	**22,400**	**20,000**	**14,000**	**30,000**	**21,200**
Ni 19 G8	19	17,000	-	-	18,000	16,000	11,200	23,600	17,000
WIN 22	**22**	**28,000**	**53.200**	**38.000**	**30,000**	**26,500**	**19,000**	**40,000**	**28,000**
Ni 22 G8	22	22,400	-	-	23,600	21,200	15,000	31,500	22,400
WIN 26	**26**	**40,000**	**74.200**	**53.000**	**42,500**	**37,500**	**26,500**	**56,000**	**40,000**
Ni 26 G8	26	31,500	-	-	33,500	30,000	21,200	45,000	31,500
WIN 32	**32**	**60,000**	**-**	**-**	**63,000**	**56,000**	**40,000**	**85,000**	**60,000**
Ni 32 G8	32	47,500	-	-	50,000	45,000	31,500	67,000	47,500

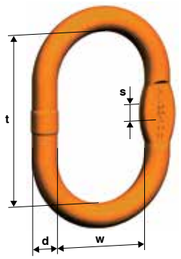
pewag winner 200 Round Steel Chains



Code	DIA [mm]	t [mm]	b1min [mm]	b2 max [mm]	WLL [kg]	Breaking force [kN]	Weight [kg/m]
WIN 5 200	5	16	7,50	18,50	1,000	39.30	0.61
WIN 6 200	6	18	8,70	21,60	1,400	56.50	0.96
WIN 7 200	7	21	9,50	25,20	1,900	77	1.20
WIN 8 200	8	24	10,90	28,80	2,500	101	1.57
WIN 10 200	10	30	13,50	37	4,000	157	2.46
WIN 13 200	13	39	17,50	46,80	6,700	265	4.18
WIN 16 200	16	48	21,50	57,60	10,000	402	6.28
WIN 19 200	19	57	26,60	69,40	14,000	567	8.92
WIN 22 200	22	66	29,50	79,20	19,000	760	11.88
WIN 26 200	26	78	35	94	26,500	1,060	16.18
WIN 32 200	32	96	43,20	115	40,000	1,610	24.10

The chain is lack varnished, optionally also available with the tried-and-tested corropro coating PCP for maximum corrosion resistance.

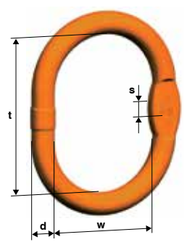
pewag AW Master Link



Code	WLL 0°-45° [kg]	For 1-leg slings	For 2-leg slings	d [mm]	t [mm]	w [mm]	s [mm]	Weight [kg/pc.]
AW 10	1,400	5	5	10	80	50	10	0,14
AW 13	2,300	6+7	6	13	110	60	10	0,34
AW 16	3,500	8	7	16	110	60	14	0,53
AW 18	5,000	10	8	19	135	75	14	0,92
AW 22	7,600	13	10	23	160	90	17	1,60
AW 26	10,000	16	13	27	180	100	20	2,46
AW 32	14,000	19	16	33	200	110	26	4,14
AW 36	25,100	22	19	36	260	140	29	6,22
AW 45	30,800	26	22	45	340	180	-	12,82
AW 50	40,000	32	26	50	350	190	43	16,55
AW 56	64,000	-	32	56	400	200	-	27,01
AW 72	85,000	-	-	70	460	250	-	45,30

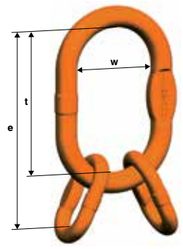
For chain sling load capacities, please refer to the table "pewag winner load capacities".

pewag MW Enlarged Master Link



Code	WLL 0°-45° [kg]	For 1-leg slings	For 2-leg slings	d [mm]	t [mm]	w [mm]	s [mm]	Weight [kg/pc.]
MW 10	1,400	5	5	11	90	65	10	0.22
MW 13	2,300	6+7	6	14	120	70	10	0.44
MW 16	3,200	8	7	16	140	80	13	0.71
MW 18	4,200	10	8	19	160	95	14	1.09
MW 22	6,700	13	10	23	170	105	17	1.74
MW 26	10,100	16	13	27	190	110	20	2.65
MW 32	16,000	19	16	33	230	130	26	4.78
MW 36	21,200	22	19	38	275	150	29	7.48
MW 56	40,000	32	26	56	350	250	46	21.98

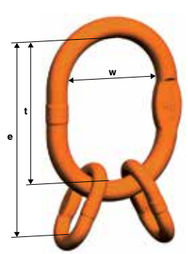
pewag VW IV-leg Master Link Assembly



Code	Consisting of	WLL 0°-45° [kg]	e [mm]	t [mm]	w [mm]	Weight [kg/pc.]
VW 5	AW 13 + 2 BW 10	2,300	154	110	60	0.52
VW 6	AW 18 + 2 BW 13	4,200	189	135	75	1.30
VW 7/8	AW 22 + 2 BW 16	7,600	230	160	90	2.32
VW 10	AW 26 + 2 BW 20	9,600	265	180	100	3.82
VW 13	AW 32 + 2 BW 22	14,000	315	200	110	6.46
VW 16	AW 36 + 2 BW 26	21,200	400	260	140	10.06
VW 19/20	AW 50 + 2 BW 32	34,100	500	350	190	22.62
VW 22	AW 50 + 2 BW 36	40,000	520	350	190	24.54
VW 26	AW 56 + 2 BW 45	56,000	570	400	200	37.60
VW 32	AW 72 + 2 BW 50	85,000	660	460	250	66.60

Please note that the allocation does not apply to suspension systems with a load distributor.

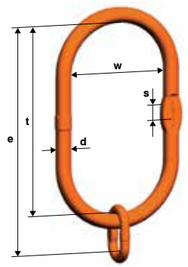
pewag VMW Enlarged IV-leg Master Link Assembly



Code	Consisting of	WLL 0°-45° [kg]	e [mm]	t [mm]	w [mm]	Weight [kg/pc.]
VMW 6	MW 18 + 2 BW 13	4,200	214	160	95	1.43
VMW 7/8	MW 22 + 2 BW 16	6,600	240	170	105	2.46
VMW 10	MW 26 + 2 BW 20	10,100	275	190	110	4.01
VMW 13	MW 32 + 2 BW 22	15,700	345	230	130	7.10
VMW 16	MW 36 + 2 BW 26	21,200	415	275	150	11.30
VMW 19/20	MW 56 + 2 BW 32	34,100	500	350	250	28.30
VMW 22	MW 56 + 2 BW 36	40,000	520	350	250	30.22

Please note that the allocation does not apply to suspension systems with a load distributor.

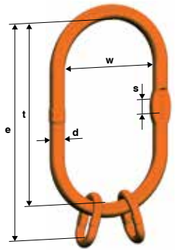
pewag VLW 1 Master Link Assembly



Code	Consisting of	WLL [kg]	e [mm]	d [mm]	t [mm]	w [mm]	s [mm]	Weight [kg/pc.]
VLW 1-6/7/8	LW 22 + BW 13	2,500	394	23	340	180	17	3.37
VLW 1-10	LW 27 + BW 16	4,000	410	27	340	180	20	4.76
VLW 1-13	LW 27	6,700	340	27	340	180	20	4.40
VLW 1-16	LW 32	10,000	340	33	340	180	27	6.70
VLW 1-19/22	LW 40	19,000	340	40	340	180	29	10.00

Example:
VLW 1-6/7/8 can be used for I-leg slings with 6 mm, 7 mm and 8 mm chains.

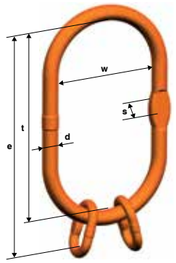
pewag VLW 2/4 Master Link Assembly



Code	Consisting of	WLL 0°-45° [kg]	For 2-leg slings	For 3- and 4-leg slings	e [mm]	d [mm]	t [mm]	w [mm]	s [mm]	Weight [kg/pc.]
VLW 2-6/7/8/4-6	LW 22 + 2 BW 13	3,550	6/7/8	6	394	23	340	180	17	3.54
VLW 2-10/4-7/8	LW 27 + 2 BW 16	5,600	10	7/8	410	27	340	180	20	5.12
VLW 2-13/4-10	LW 32 + 2 BW 20	9,500	13	10	425	33	340	180	27	7.81
VLW 2-16/4-13	LW 40 + 2 BW 22	14,000	16	13	455	40	340	180	29	12.32
VLW 2-19/4-16	LW 40 + 2 BW 26	21,200	19	16	480	40	340	180	29	13.84

Example of multi-leg chain sling:
VLW 2-10/4-7/8 can be used for 10 mm II-leg slings and for 7+8 mm IV-leg slings.

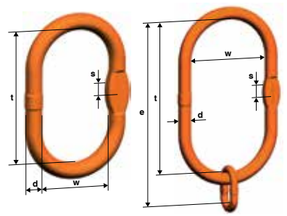
pewag VSW 2/4 Oversize Master Link Assembly



Code	Consisting of	WLL 0°-45° [kg]	For 2-leg slings	For 3- and 4-leg slings	e [mm]	d [mm]	t [mm]	w [mm]	s [mm]	Weight [kg/pc.]
VSW 2-10/4-8	SW 30 + 2 BW 20	5,600	10	8	515	30	430	220	24	8.16
VSW 2-13 / 4-10	SW 33 + 2 BW 20	9,500	13	10	515	33	430	220	26	9.66
VSW 2-16 / 4-13	SW 36 + 2 BW 22	14,000	16	13	545	36	430	220	29	12.32
VSW 2-19/20 / 4-16	SW 45 + 2 BW 26	21,200	19/20	16	570	45	430	220	-	19.54

Example of multi-leg chain sling: VSW 2-10/4-8 can be used for 10 mm II-leg slings and for 8 mm IV-leg slings.

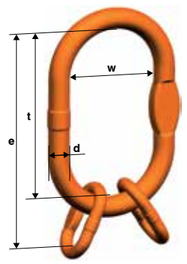
pewag VSAW 1 Master Link Assembly



Code	Consisting of	WLL [kg]	e [mm]	d [mm]	t [mm]	w [mm]	s [mm]	Weight [kg/pc.]
VSAW 1-10/13	SAW 32+BW 20	10,000	585	33	500	250	26	10.00
VSAW 1-16	SAW 32	10,000	500	33	500	250	26	9.32
VSAW 1-19	SAW 40	16,000	460	40	460	250	32	13.12
VSAW 1-22	SAW 45	22,400	500	45	500	250	-	17.80
VSAW 1-26	SAW 50	33,600	460	50	460	250	43	20.98
VSAW 1-32	SAW 56	40,000	460	56	460	250	-	26.68
VSAW 1-32/320	SAW 60	40,000	800	60	800	320	54	48.00

Example: VSAW 1-10/13 may be used for I-leg chain slings with a 10mm or 13mm chain.

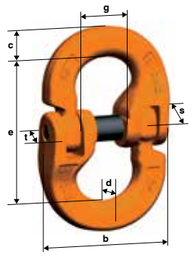
pewag VSAW 2 Master Link Assembly



Code	Consisting of	WLL 0°-45° [kg]	For 2-leg slings	For 3- and 4-leg slings	e [mm]	d [mm]	t [mm]	w [mm]	Weight [kg/pc.]
VSAW 2-10/13/4-10	SAW 32 + 2 BW 20	9,500	10/13	10	585	33	500	250	10.68
VSAW 2-16 / 4-13	SAW 40 + 2 BW 22	14,000	16	13	575	40	460	250	15.44
VSAW 2-19/20/4-16	SAW 45 + 2 BW 26	21,200	19/20	16	640	45	500	250	21.64
VSAW 2-22/4-19/20	SAW 50 + 2 BW 32	30,000	22	19/20	610	50	460	250	27.30
VSAW 2-26/4-22	SAW 56 + 2 BW 32	40,000	26	22	610	56	460	250	34.92
VSAW 2-26/4-22/320	SAW 60 + 2 BW 32	40,000	26	22	950	60	800	320	56.24

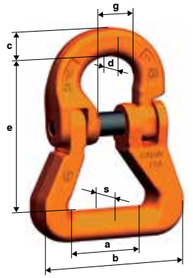
Example: VSAW 2-10/13 /4-10 may be used for II-leg chains with a 10mm or 13mm chain.

pewag CW Connex Connecting Link



Code	WLL [kg]	e [mm]	c [mm]	s [mm]	t [mm]	d [mm]	b [mm]	g [mm]	Weight [kg/pc.]
CW 5	1,000	38	7	9	12	7	34	13	0.06
CW 6	1,400	44	8	11	13	8	39	14	0.08
CW 7	1,900	53	10	13	16	9	46	17	0.14
CW 8	2,500	62	12	14	20	10	55	19	0.24
CW 10	4,000	72	15	18	22	13	64	24	0.42
CW 13	6,700	88	20	22	26	17	79	28	0.85
CW 16	10,000	112	24	29	35	20	105	34	1.90
CW 19/20	16,000	126	32	35	45	25	126	44	3.10
CW 22	19,000	157	36	39	46	26	148	52	4.60
CW 26	26,500	179	40	46	57	30	175	62	6.80
CW 32	40,000	206	47	56	63	35	216	80	11.36

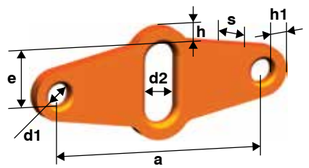
pewag CARW Round Sling Connecting Link



Code	WLL [kg]	e [mm]	a [mm]	c [mm]	d [mm]	b [mm]	s [mm]	g [mm]	Weight [kg/pc.]
CARW 8	2,500	66	29	12	10	68	18	19	0.33
CARW 10	4,000	81	40	15	13	82	21	24	0.71
CARW 13	6,700	104	44	20	17	101	28	28	1.34
CARW 16	10,000	113	47	24	20	110	40	34	1.83
CARW 22	19,000	190	110	36	25	215	58	52	7.98

Please note that the allocation does not apply to suspension systems with a load distributor.

pewag AGWW Load Distributor

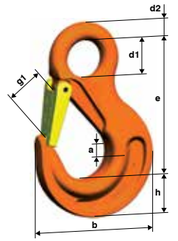


Code	Connecting link	WLL 0°- 45° [kg]	WLL 45°- 60° [kg]	Difference L1 / L2 [chain links]
AGWW 5/6	CW 8	2,000	1,400	6 5
AGWW 7/8	CW 10	3,550	2,500	6 5
AGWW 10	CW 13	5,600	4,000	4
AGWW 13	CW 16	9,500	6,700	4
AGWW 16	CW 19/20	14,000	10,000	4
AGWW 19/20	CW 32	20,000	14,000	5
AGWW 22	CW 32	26,500	19,000	5
AGWW 26	GSCHW VB G-4163 WLL 55 t	37,500	26,500	5

Code	e [mm]	a [mm]	d1 [mm]	d2 [mm]	h [mm]	h1 [mm]	s [mm]	Weight [kg/pc.]	Suspension heads to use
AGWW 5/6	35	148	16	22	11	9	10	0.54	VW 6 /VMW 6/VAW 6/7
AGWW 7/8	51	210	22	25	15.50	14	15	1.75	VW 7/8/VMW 10/VAW 10
AGWW 10	32	180	25	32	23	15.50	15	1.56	VW 13/VMW 13/VAW 13
AGWW 13	53	240	32	40	27	20	20	3.60	VW 16/VMW 16/VAW 16
AGWW 16	77	300	40	50	32	25	25	7.00	VW 19/20/VMW 19/20/VAW 19/20
AGWW 19/20	79	390	50	70	45	30	30	13.20	VW 22/VMW 22/VAW 19/20
AGWW 22	124	350	60	70	50	35	30	14.70	VW 26/VAW 26
AGWW 26	130	400	70	75	60	40	40	25.80	VAW 32

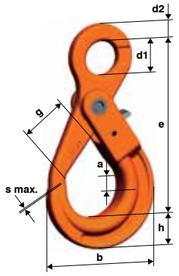
Please use the displayed item in column "Connecting link" to assemble the load distributor in the four-leg sling.
Static test coefficient = 2.5 x load capacity of the respective chain section; safety factor = 4

pewag HSW Eye Sling Hook



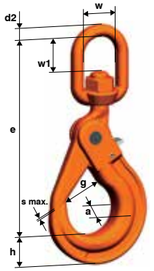
Code	WLL [kg]	e [mm]	h [mm]	a [mm]	d [mm]	g1 [mm]	b [mm]	Weight [kg/pc.]
KHSW 5/6	1,400	69	20	15	7.40	19	66	0.29
KHSW 7	1,900	95	28	19	9	26	90	0.61
KHSW 8	2,500	95	28	19	10	26	90	0.62
KHSW 10	4,000	109	35	25	12.50	31	108	1.19
KHSW 13	6,700	136	41	34	16	39	131	2.12
KHSW 16	10,000	155	49	37	20	45	153	3.49
KHSW 19/20	16,000	184	53	51	24	53	177	5.64
KHSW 22	19,000	214	62	52	27	62	196	9.05

pewag LHW Safety Hook



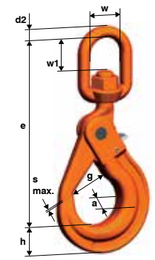
Code	WLL [kg]	e [mm]	h [mm]	a [mm]	b [mm]	d1 [mm]	d2 [mm]	g [mm]	s. max. [mm]	Weight [kg/pc.]
LHW 5/6	1,400	110	20	17	71	21	11	28	1	0.53
LHW 7/8	2,500	136	26	20	88	25	12	34	1	0.92
LHW 10	4,000	169	30	29	107	35	15	45	1	1.57
LHW 13	6,700	205	40	35	138	40	20	52	1.50	3.19
LHW 16	10,000	251	50	41	168	50	27	60	2	6.24
LHW 19/20	16,000	290	62	50	194	60	30	70	2	9.75
LHW 22	19,000	322	65	52	211	70	32	81	2	12.45
LHW 26	26,500	383	79	61	253	82	42	100	2	20.00

pewag WLHW Swivel Safety Hook



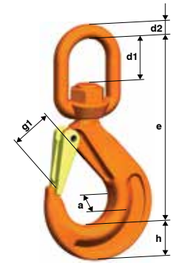
Code	WLL [kg]	e [mm]	h [mm]	a [mm]	w [mm]	w1 [mm]	d2 [mm]	g [mm]	s. max. [mm]	Weight [kg/pc.]
WLHW 5/6	1,400	161	20	17	35	36	12	28	1	1.20
WLHW 7/8	2,500	182	26	20	35	36	12	34	1	1.54
WLHW 10	4,000	218	30	29	42	41	16	45	1	2.14
WLHW 13	6,700	269	40	35	49	47	20	52	1.50	4.42
WLHW 16	10,000	319	50	41	60	60	24	60	2	7.34

pewag WLHBW Swivel Safety Hook



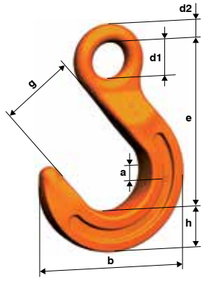
Code	WLL [kg]	e [mm]	h [mm]	a [mm]	w [mm]	w1 [mm]	d2 [mm]	g [mm]	s. max. [mm]	Weight [kg/pc.]
WLHBW 5/6	1,400	161	20	17	35	36	12	28	1	1.20
WLHBW 7/8	2,500	182	26	20	35	36	12	34	1	1.55
WLHBW 10	4,000	218	30	29	42	41	16	45	1	2.14
WLHBW 13	6,700	269	40	35	49	47	20	52	1.50	4.43
WLHBW 16	10,000	319	50	41	60	60	24	60	2	7.35

pewag WSBW Swivel Hook



Code	WLL [kg]	e [mm]	h [mm]	a [mm]	d1 [mm]	d2 [mm]	g1 [mm]	Weight [kg/pc.]
WSBW 7/8	2,500	154	28	19	37	12	26	1.24
WSBW 10	4,000	183	33	25	41	16	30	1.84
WSBW 13	6,700	221	40	30	47	20	38	3.45

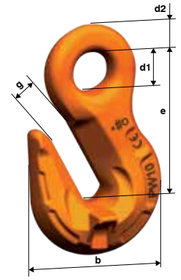
pewag FW Foundry Hook



Code	WLL [kg]	e [mm]	h [mm]	a [mm]	d1 [mm]	d2 [mm]	g [mm]	b [mm]	Weight [kg/pc.]
FW 7/8	2,500	131	29	25	24	11	64	118	0.94
FW 10	4,000	158	35	32	31	14	76	143	1.62
FW 13	6,700	190	42	40	39	17	89	170	3.24
FW 16	10,000	224	50	46	47	22	102	200	5.65
FW 19/20	16,000	260	61	54	56	28	114	231	9.50
FW 22	19,000	287	75	63	47	31	140	284	13.40
FW 26	26,500	358	84	73	82	38	152	312	21.40
FW 32	40,000	370	101	90	66	44	170	359	35.00
F 22 [1]	15,000	265	70	61	47	30	127	260	9.31
F 26 [2]	21,200	305	80	72	54	34	136	280	19.21
F 32 [1]	31,500	327	93	83	60	37	152	336	28.00

[1] Grade 80
[2] Not suitable for assembly with Unilock. (G8)

pewag PW Grab Hook

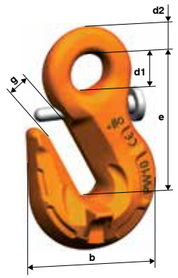


Code	WLL [kg]	e [mm]	b [mm]	d1 [mm]	d2 [mm]	g [mm]	Weight [kg/pc.]
PW 5	1,000	47	40	11	9	7	0.16
PW 6	1,400	50	44	12	9	7	0.16
PW 7/8	2,500	65	57	16	12	9	0.38
PW 10	4,000	77	77	20	14	12	0.72
PW 13	6,700	101	92	26	19	15	1.56
PW 16	10,000	121	113	32	23	19	2.67
PW 19/20 [1]	16,000	151	150	36	27	25	6.16
PW 22 [1]	19,000	170	165	42	31	27	8.30
PW 26 [1]	26,500	201	195	50	37	32	13.65
PW 32 [1]	40,000	243	242	60	43	38	25.00

[1] Shape without saddle

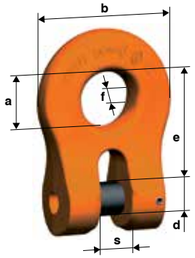
Exception:
Chain dimensions from 19/20 have not yet been adjusted. For technical reasons, chains with these dimensions must not touch the bearing surface of the hook.

pewag PSW Grab Hook with Safety Catch



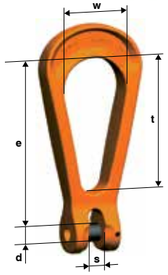
Code	WLL [kg]	e [mm]	b [mm]	d1 [mm]	d2 [mm]	g [mm]	Weight [kg/pc.]
PSW 7/8	2,500	65	57	16	12	9	0.40
PSW 10	4,000	77	71	20	14	12	0.75
PSW 13	6,700	101	92	26	19	15	1.61
PSW 16	10,000	121	113	32	23	19	2.73

pewag KRW Coupling Ring



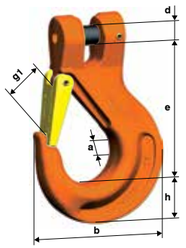
Code	WLL [kg]	e [mm]	s [mm]	a [mm]	b [mm]	f [mm]	d [mm]	Weight [kg/pc.]
KRW 5/6	1,400	31	7	18	38	8	7.40	0.12
KRW 7	1,900	43	10	24	54	11	9	0.21
KRW 8	2,500	43	10	24	54	11	10	0.21
KRW 10	4,000	51	12	28	63	14	12.50	0.37
KRW 13	6,700	63	15	33	76	17	16	0.77
KRW 16	10,000	74	18	40	88	20	20	1.36
KRW 19/20	16,000	94	23	50	114	24	24	2.33
KRW 22	19,000	102	25	50	122	27	27	3.95

pewag KOW Clevis Reeving Link



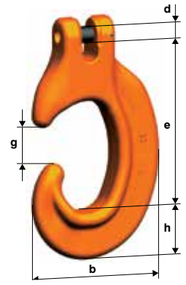
Code	WLL [kg]	e [mm]	t [mm]	w [mm]	d [mm]	s [mm]	Weight [kg/pc.]
KOW 7	1,900	92	70	34	9	9	0.33
KOW 8	2,500	91	70	34	10	9	0.33
KOW 10	4,000	128	102	50	12.50	12	0.75
KOW 13	6,700	169	136	66	16	15	1.08
KOW 16	10,000	214	172	83	20	18	2.93

pewag KHSW Clevis Sling Hook



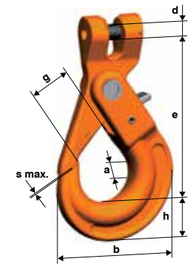
Code	WLL [kg]	e [mm]	h [mm]	a [mm]	d [mm]	g1 [mm]	b [mm]	Weight [kg/pc.]
KHSW 5/6	1,400	69	20	15	7.40	19	66	0.29
KHSW 7	1,900	95	28	19	9	26	90	0.61
KHSW 8	2,500	95	28	19	10	26	90	0.62
KHSW 10	4,000	109	35	25	12.50	31	108	1.19
KHSW 13	6,700	136	41	34	16	39	131	2.12
KHSW 16	10,000	155	49	37	20	45	153	3.49
KHSW 19/20	16,000	184	53	51	24	53	177	5.64
KHSW 22	19,000	214	62	52	27	62	196	9.05

pewag KCHW Clevis C-Hook



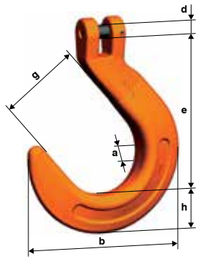
Code	WLL [kg]	e [mm]	h [mm]	d [mm]	b [mm]	g [mm]	Weight [kg/pc.]
KCHW 7	1,900	91	28	9	74	20	0.52
KCHW 8	2,500	90	28	10	74	20	0.51
KCHW 10	4,000	129	39	12.50	107	28	1.51
KCHW 13	6,700	166	51	16	137	41	3.13
KCHW 16	10,000	205	60	20	166	45	5.56

pewag KLHW Clevis Safety Hook



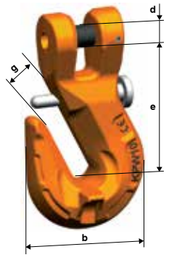
Code	WLL [kg]	e [mm]	h [mm]	a [mm]	b mm]	d [mm]	g mm]	s. max. [mm]	Weight [kg/pc.]
KLHW 5/6	1,400	94	20	17	71	7.40	28	1	0.56
KLHW 7	1,900	123	26	20	88	9	34	1	0.87
KLHW 8	2,500	123	26	20	88	10	34	1	1.00
KLHW 10	4,000	144	30	29	107	12.50	45	1	1.61
KLHW 13	6,700	180	40	35	138	16	52	1.50	3.25
KLHW 16	10,000	218	50	41	168	20	60	2	5.95
KLHW 19/20	16,000	259	62	50	194	24	70	2	12.89
KLHW 22	19,000	286	65	52	211	27	81	2	15.91
KLHW 26	26,500	338	79	61	253	33	100	2	21.33

pewag KFW Clevis Foundry Hook



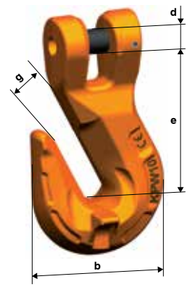
Code	WLL [kg]	e [mm]	h [mm]	a [mm]	g [mm]	d [mm]	b [mm]	Weight [kg/pc.]
KFW 7	1,900	121	29	25	64	9	118	1.02
KFW 8	2,500	120	29	25	64	10	118	1.04
KFW 10	4,000	140	35	32	76	12.50	143	1.74
KFW 13	6,700	170	42	40	89	16	170	3.38

pewag KPSW Clevis Grab Hook with Safety Catch



Code	WLL [kg]	e [mm]	b [mm]	d [mm]	g mm]	Weight [kg/pc.]
KPSW 7	1,900	63	57	9	9	0.48
KPSW 8	2,500	63	57	10	9	0.48
KPSW 10	4,000	78	71	12.50	12	0.93
KPSW 13	6,700	93	92	16	15	1.90
KPSW 16	10,000	115	113	20	19	3.55

pewag KPW Clevis Grab Hook

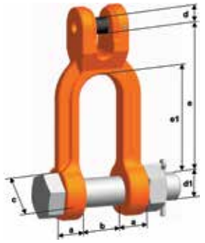


Code	WLL [kg]	e [mm]	b [mm]	d1 [mm]	d2 [mm]	Weight [kg/pc.]
KPW 6	1,400	47	44	7.40	7	0.19
KPW 7	1,900	63	57	9	9	0.46
KPW 8	2,500	63	57	10	9	0.46
KPW 10	4,000	78	71	12.50	12	0.90
KPW 13	6,700	93	92	16	15	1.85
KPW 16	10,000	115	113	20	19	3.49
KPW 19/20 [1]	16,000	141	150	24	25	6.88
KPW 22 [1]	19,000	158	165	27	27	9.68

[1] Shape without saddle

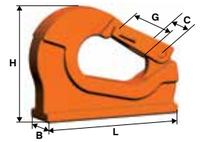
Exception:
Chain dimensions from 19/20 have not yet been adjusted. For technical reasons, chains with these dimensions must not touch the bearing surface of the hook.

pewag KSCHW Clevis Shackle



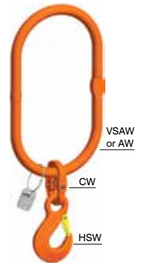
Code	WLL [kg]	e [mm]	e1 mm]	b min. [mm]	a [mm]	d [mm]	c [mm]	d1 [mm]	Weight [kg/pc.]
KSCHW 7	1,900	76	54	26	12	9	31	16	0.64
KSCHW 8	2,500	76	54	26	12	10	31	16	0.66
KSCHW 10	4,000	105	76	32	16	12.50	39	20	1.22
KSCHW 13	6,700	113	77	42	21	16	50	24	2.64

pewag AWHW Weld-On Hook

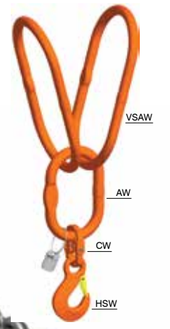


Code	WLL [kg]	L [mm]	H [mm]	G [mm]	B mm]	C [mm]	Weight [kg/pc.]
AWHW 1,3	1,300	95	74	20	25	34	0.67
AWHW 3,8	3,800	132	106	26	35	40	1.40
AWHW 6,3	6,300	167	133	29	45	49	2.95
AWHW 10	10,000	175	136	29	50	49	4.02

pewag ÜW Transition Assembly



Code	Single hook DIN 15401	WLL [kg]	Consisting of	Weight [kg/pc.]
ÜW 32/16 I AW-HSW Connex	32	16,000	AW 50/CW 26/HSW 19/20	28.86
ÜW 32/19 I AW-HSW Connex	32	19,000	AW 50/CW 26/HSW 22	30.54
ÜW 32/26,5 I AW-HSW Connex	32	26,500	AW 50/CW 26/HSW 26	36.89
ÜW 50/4 I VSAW-HSW Connex	50	4,000	VSAW 1-16/CW 16/HSW 10	12.54
ÜW 50/6,7 I VSAW-HSW Connex	50	6,700	VSAW 1-16/CW 16/HSW 13	13.73
ÜW 50/10 I VSAW-HSW Connex	50	10,000	VSAW 1-16/CW 16/HSW 16	15.05
ÜW 50/16 I VSAW-HSW Connex	50	16,000	VSAW 1-22/CW 22/HSW 19/20	28.22
ÜW 50/19 I VSAW-HSW Connex	50	19,000	VSAW 1-22/CW 22/HSW 22	29.90
ÜW 50/26,5 I VSAW-HSW Connex	50	26,500	VSAW 1-26/CW 26/HSW 26	41.89
ÜW 50/40 I AW-HSW Connex	50	40,000	AW 72/CW 32/HSW 32	80.76
ÜW 100/26,5 I VSAW-HSW Connex	100	26,500	VSAW 1-32/320/CW 26/HSW 26	68.89
ÜW 100/40 I VSAW-HSW Connex	100	40,000	VSAW 1-32/320/CW 32/HSW 32	87.26



Code	Single hook DIN 15402	WLL [kg]	Consisting of	Weight [kg/pc.]
ÜW 50/4 II VSAW-HSW Connex	50	4,000	2xVSAW 1-16/AW36/CW16/HSW10	28.09
ÜW 50/6,7 II VSAW-HSW Connex	50	6,700	2xVSAW 1-16/AW36/CW16/HSW13	29.28
ÜW 50/10 II VSAW- HSW Connex	50	10,000	2xVSAW 1-16/AW36/CW16/HSW16	30.60
ÜW 50/16 II VSAW-HSW Connex	50	16,000	2xVSAW 1-16/AW36/CW19/20/HSW19/20	33.10
ÜW 50/19 II VSAW-HSW Connex	50	19,000	2xVSAW 1-22/AW50/CW26/HSW22	67.09
ÜW 50/26,5 II VSAW-HSW Connex	50	26,500	2xVSAW 1-22/AW50/CW26/HSW26	73.44
ÜW 50/36 II VSAW-HSW Connex	50	36,000	2xVSAW 1-22/AW50/CW32/HSW32	91.81
ÜW 100/26,5 II VSAW-HSW Connex	100	26,500	2xVSAW 1-32/320/AW50/CW26/HSW26	133.44
ÜW 100/40 II VSAW-HSW Connex	100	40,000	2xVSAW 1-32/320/AW50/CW32/HSW32	151.81

Grade 120 Chains and Components

Lifting chains in G12 quality

A chain reaction meant to happen.

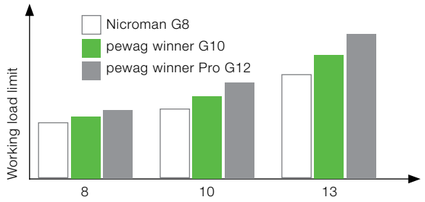
pewag is deservedly proud of its pioneering role when it comes to the production of lifting chains. The pewag name rests on outstanding quality features that are also the core element of our G12 programme: The 50% increase in the lashing capacity with our G12 range compared to standard G8 programmes results in a significant weight reduction that gives rise to numerous advantages in daily lifting operations. Ease-of-use and compliance with all legal stipulations are an area of pride and the responsible foundation out of which all our products grow. But our G12 products are still capable of more:

- **Intelligent profile:** Thanks to the intelligent use of material, the same cross-section achieves a marked improvement of the key characteristics of the chain, for instance fatigue resistance and bending resistance, compared to conventional round-steel chains. The use of material was optimised in key areas (blue sections) and reduced in less relevant areas (red sections) to achieve the best possible technical effects.
- **Higher bending resistance:** The moment of inertia that is crucial for the properties of the chain is up to 6% higher in a profile chain than in a roundlink chain with the same cross-section. For the user, this results in a higher degree of safety in case of edge-loading, which in practice is frequently misjudged, resulting in the failure of the chain.

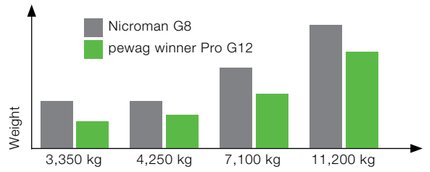
  In addition, the tensions within the chain are reduced (no red areas). This also has a positive effect for the user. Fatigue resistance and thus also the maximum number of possible loads (i.e. lifting operations) increases.

Other benefits at a glance:

- Approx. **50% higher working load limit** compared to G8, approx. **20% higher working load limit** compared to G10. This means that it is almost always possible to use a chain sling that is smaller by one nominal size compared to G8, saving weight and cost as well as making work processes easier.



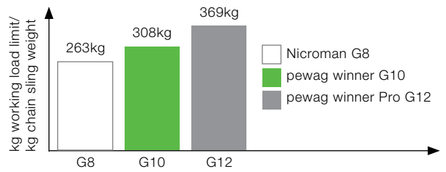
Significantly reduced weight and easier handling with pewag winner pro



Working load limit	Weight of chain up to now [kg]	pewag winner pro chain weight [kg]	% Reduction
3,350	16.60	9.37	44%
4,250	16.60	11.80	29%
7,100	28.53	19.19	33%
11,200	43.61	34.10	22%

Working load limit	Chain ø up to now	Chain ø pewag winner pro
4,250	10mm	8mm
7,100	13mm	10mm
11,200	16mm	13mm

- Highly efficient for many load ranges, as the size of the chain slings is **reduced by one dimension** compared to G8 and G10 chain slings
- Optimised strength and toughness characteristics at high and low temperatures thanks to **patented material**
- pewag winner pro defines the ”Formula 1” of technical chains thanks to its **weight-based performance**



- High stability and a low level of wear guarantee a **longer life span**
- **Innovative chain system** that may be used for lifting or lashing; also suitable for many other applications thanks to its robust design
- **Complete traceability** thanks to identification stamp on chains and components, enabling users to track the entire manufacturing process
- **Easy visual identification** thanks to profile chain and G12 stamp on each chain link
- Light blue powder coating of the WINPRO FLEX 300 chains and accessories provides **corrosion protection**, optionally also with the tried-and-tested corropro coating (PCP) for the highest level of corrosion resistance. See specialised brochure for more information. WINPRO FLEX 200 chains come with a light grey coat.

Sample order texts for pewag winner pro lifting products

This is a sample order for a fully adjusted, commercially available pewag chain sling: a pewag winner pro 8mm, II-leg chain sling with a shortening option and clevis safety hook, assembled with Connex connecting links, 3,500mm long.

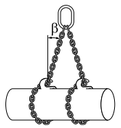
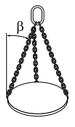
Connex system:

WINPRO 8 FLEX 300 II VLWP - KLHGWP - PWP 3000 Connex

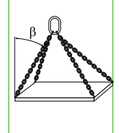
Nominal Diameter	Short Designation	Number of Legs	Master Link	End Hook	Shortening Hook	Length [mm]	Connex Mounted

Load capacities of pewag winner pro

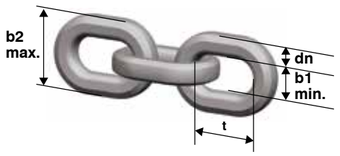
The load capacities listed are maximum values of the various sling types, stated according to the standard (Uniform Load) method of rating.

Safety factor 4		I-leg chains		II-leg chains				III- + IVleg chains
								
Angle of inclination β		-	-	0° – 45°	45° – 60°	0° – 45°	45° – 60°	0° – 45°
Load factor		1	0.8	1.4	1	1.12	0.8	2.1
Code	D	Load capacity (kg)						
WINPRO 7	**2,360**	**1,900**	**3,350**	**2,360**	**2,650**	**1,900**	**5,000**	**2,000**
WIN 7	7	1,900	1,500	2,650	1,900	2,120	1,500	4,000
Ni 7 G8	7	1,500	1,200	2,120	1,500	1,700	1,200	3,150
WINPRO 8	**8**	**3,000**	**2,360**	**4,250**	**3,000**	**3,350**	**2,360**	**6,300**
WIN 8	8	2,500	2,000	3,550	2,500	2,800	2,000	5,300
Ni 8 G8	8	2,000	1,600	2,800	2,000	2,240	1,600	4,250
WINPRO 10	**10**	**5,000**	**4,000**	**7,100**	**5,000**	**5,600**	**4,000**	**10,600**
WIN 10	10	4,000	3,150	5,600	4,000	4,250	3,150	8,000
Ni 10 G8	10	3,150	2,500	4,250	3,150	3,550	2,500	6,700
WINPRO 13	**13**	**8,000**	**6,300**	**11,200**	**8,000**	**9,000**	**6,300**	**17,000**
WIN 13	13	6,700	5,300	9,500	6,700	7,500	5,300	14,000
Ni 13 G8	13	5,300	4,250	7,500	5,300	5,900	4,250	11,200
WINPRO 16	**16**	**12,500**	**10,000**	**17,500**	**12,500**	**14,000**	**10,000**	**26,500**
WIN 16	16	10,000	8,000	14,000	10,000	11,200	8,000	21,200
Ni 16 G8	16	8,000	6,300	11,200	8,000	9,000	6,300	17,000

If the chain is subjected to extraordinarily severe conditions, the maximum working load limits as listed in the table must be reduced accordingly. Such conditions include high temperatures, asymmetrical loading, edge loading, impact loading etc.

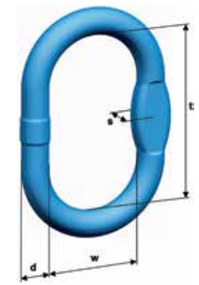
Safety factor 4		III- + IVleg chains	IV- leg chains with load distributor		Endless chain sling	Single lifting sling		Double lifting sling	
									
Angle of inclination β		45° – 60°	0° – 45°	45° – 60°	-	0° – 45°	45° – 60°	0° – 45°	45° – 60°
Load factor		1.5	2.8	2	1.6	1.4	1	2.1	1.5
Code	D	Load capacity (kg)							
WINPRO 7	**2,360**	**6,700**	**4,750**	**3,750**	**3,350**	**2,360**	**5,000**	**3,550**	**1,500**
WIN 7	7	2,800	5,300	3,750	3,000	2,650	1,900	4,000	2,800
Ni 7 G8	7	2,240	4,000	3,000	2,500	2,120	1,500	3,150	2,240
WINPRO 8	**8**	**4,500**	**8,500**	**6,000**	**4,750**	**4,250**	**3,000**	**6,300**	**4,500**
WIN 8	8	3,750	7,100	5,000	4,000	3,550	2,500	5,300	3,750
Ni 8 G8	8	3,000	5,600	4,000	3,150	2,800	2,000	4,250	3,000
WINPRO 10	**10**	**7,500**	**14,000**	**10,000**	**8,000**	**7,100**	**5,000**	**10,600**	**7,500**
WIN 10	10	6,000	11,200	8,000	6,300	5,600	4,000	8,000	6,000
Ni 10 G8	10	4,750	8,500	6,300	5,000	4,250	3,150	6,700	4,750
WINPRO 13	**13**	**11,800**	**-**	**-**	**12,500**	**11,200**	**8,000**	**17,000**	**11,800**
WIN 13	13	10,000	-	-	10,600	9,500	6,700	14,000	10,000
Ni 13 G8	13	8,000	-	-	8,500	7,500	5,300	11,200	8,000
WINPRO 16	**16**	**19,000**	**-**	**-**	**20,000**	**17,500**	**12,500**	**26,500**	**19,000**
WIN 16	16	15,000	-	-	16,000	14,000	10,000	21,200	15,000
Ni 16 G8	16	11,800	-	-	12,500	11,200	8,000	17,000	11,800

pewag winner pro 200 chains



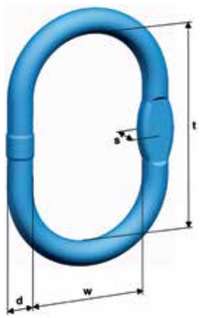
Code	DIA [mm]	t mm]	b1 [mm]	b2 max. [mm]	WLL [kg]	LC [kN]	BF [kN]	Weight [kg/m]
WINPRO FLEX 200 LAC/GY								
WINPRO 7 FLEX 200	7	22	10	26	2,360	47	92.60	1.36
WINPRO 8 FLEX 200	8	25	11.20	29	3,000	60	118	1.64
WINPRO 10 FLEX 200	10	33	14.20	37	5,000	100	196	2.70
WINPRO 13 FLEX 200	13	41	18.60	50	8,000	180	314	4.80
WINPRO 16 FLEX 200	16	51	22.80	60	12,500	250	491	7.17

pewag AWP Master link



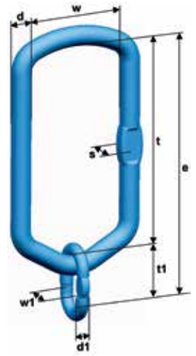
Code	WLL 0°-45° [kg]	I-leg chain slings	II-leg chain slings	t [mm]	d [mm]	w [mm]	s [mm]	Weight [kg/unit]
AWP 13	2,360	7	-	110	13	60	10	0.37
AWP 16	3,500	8	7	110	17	60	14	0.55
AWP 18	5,300	10	8	135	19	75	14	0.86
AWP 22	8,000	13	10	160	23	90	17	1.60
AWP 27	12,500	16	13	200	28	110	21	2.92
AWP 33	17,500	-	16	200	33	110	21	4.14

pewag MWP Oversize master link



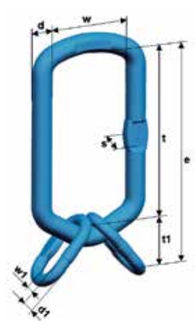
Code	WLL [kg]	For I-leg chain slings	For II-leg chain slings	t [mm]	d [mm]	w [mm]	s [mm]	Weight [kg/unit]
MWP 13	2,360	7	-	120	14	70	10	0.46
MWP 16	3,200	8	-	140	17	80	13	0.74
MWP 18	5,000	10	-	160	19	95	14	1.05
MWP 26	10,100	13	-	190	27	110	20	2.47
MWP 30	12,500	16	-	190	30	110	-	3.33
MWP 36	17,500	-	16	275	38	150	29	7.48

pewag VLWP 1 Oversize Master Link Assembly



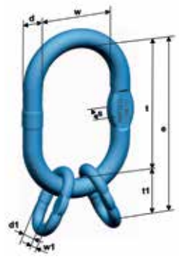
Code	Consists of	WLL [kg]	For I-leg chain slings	e [mm]	d [mm]	t [mm]	w [mm]	d1 [mm]	t1 [mm]	w1 [mm]	s [mm]	Weight [kg/unit]
VLWP 1-7/8	LWP 22 + BWP 13	3,000	7 + 8	394	23	340	155	13	54	25	16.50	3.37
VLWP 1-10	LWP 26 + BWP 16	5,000	10	410	27	340	155	17	70	34	21	3.56
VLWP 1-13	LWP 26	8,000	13	340	27	340	155	-	-	-	21	4.40
VLWP 1-16	LWP 32	12,500	16	340	33	340	155	-	-	-	26	6.60

pewag VLWP 2/4 Oversize Master Link Assembly



Code	Consists of	WLL 0°-45° [kg]	For II-leg chain slings	For III- and IV-leg chain slings	e [mm]	d [mm]	t [mm]	w [mm]	d1 [mm]	t1 [mm]	w1 [mm]	s [mm]	Weight [kg/unit]
VLWP 2-7/8	LWP 22 + 2 BWP 13	4,250	7/8	-	394	23	340	155	13	54	25	16.50	3.60
VLWP 2-10/4-7/8	LWP 26 + 2 BWP 16	7,100	10	7/8	410	27	340	155	17	70	34	21	5.20
VLWP 2-13/4-10	LWP 32 + 2 BWP 20	11,200	13	10	425	33	340	155	20	85	40	26	8.00
VLWP 2-16	LWP 36	17,500	16	-	340	38	340	155	-	-	-	29	8.90
VLWP 4-13	LWP 36 + 2 BWP 26	17,000	-	13	480	38	340	155	27	140	65	29	12.80
VLWP 4-16	LWP 40 + 2 BWP 32	26,500	-	16	490	40	340	155	33	150	70	29	16.30

pewag VMWP Oversize Master Link Assembly

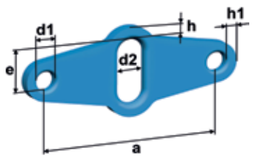


Code	Consists of	WLL 0°-45° [kg]	For II-leg chain slings	For III- and IV leg chain slings	e [mm]	d [mm]	t [mm]	w [mm]	d1 [mm]	t1 [mm]	w1 [mm]	s [mm]	Weight [kg/unit]
VMWP 2-7/8	MWP 18 + 2 BWP 13	4,250	7/8	-	214	19	160	95	13	54	25	14	1.47
VMWP 2-10/4-7/8	MWP 26 + 2 BWP 16	8,800	10	7/8	260	27	190	110	17	70	34	20	3.45
VMWP 2-13/4-10	MWP 32 + 2 BWP 20	12,300	13	10	315	33	230	130	20	85	40	26	6.28
VMWP 4-13	MWP 36 + 2 BWP 26	21,200	-	13	415	38	275	150	27	140	65	29	11.50
VMWP 4-16	MWP 36 + 2 BWP 32	26,500	-	16	425	38	275	150	33	150	70	29	13.80

pewag CWP Connex Connecting Link

Code	WLL [kg]	LC [kN]	e [mm]	c [mm]	s [mm]	t [mm]	d [mm]	b [mm]	g [mm]	Weight [kg/unit]
CWP 7	2,360	47	63	11.50	13	15.50	9	51	17	0.24
CWP 8	3,000	60	62	14	15	20	10	58	20	0.27
CWP 10	5,000	100	78	18	21	25	13	66	22	0.57
CWP 13	8,000	160	107	22	25	34	17	84	25	1.43
CWP 16	12,500	250	128	27	31	41	21	120	48	2.26

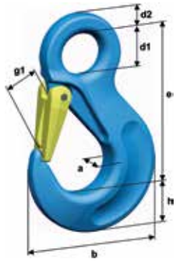
pewag AGWP Load Distributor



Code	Connecting link	WLL 0°-45° [kg]	WLL 45°-60° [kg]	Difference L1/L2 [Chain links]
AGWP 7/8	CWP 10	4,250	3,000	6 for 7 mm chains, 5 for 8 mm chains
AGWP 10	CWP 13	7,100	5,000	4

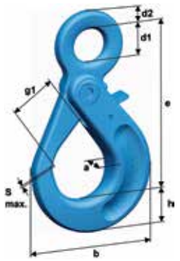
Code	a [mm]	e [mm]	d1 [mm]	d2 [mm]	h [mm]	h1 [mm]	s [mm]	Weight [kg/unit]
AGWP 7/8	210	51	22	25	15.50	14	15	1.75
AGWP 10	180	32	25	32	23	15.50	15	1.56

pewag HSWP Eye Sling Hook



Code	WLL [kg]	LC [kN]	e [mm]	h [mm]	a [mm]	d1 [mm]	d2 [mm]	g1 [mm]	b [mm]	Weight [kg/unit]
HSWP 7/8	3,000	60	106	27	19	25	11	26	88	0.65
HSWP 10	5,000	100	131	33	26	34	16	31	108	1.29
HSWP 13	8,000	160	164	43	33	43	19	39	132	2.43

pewag LHWP Safety Hook



Code	WLL [kg]	LC [kN]	e [mm]	h [mm]	a [mm]	b [mm]	d1 [mm]	d2 [mm]	g1 [mm]	s max. [mm]	Weight [kg/unit]
LHWP 7/8	3,000	60	126	25	25	89	25	14	34	1	0.91
LHWP 10	5,000	100	158	31	28	112	31	17	45	1.50	1.56
LHWP 13	8,000	160	205	41	34	145	40	22	54	2	3.50

pewag PWP Grab Hook

Code	WLL [kg]	e [mm]	b [mm]	d1 [mm]	d2 [mm]	g [mm]	Weight [kg/unit]
PWP 7/8	3,000	68	63	18	11	10	0.51
PWP 10	5,000	88	81	22	14	13	1.04
PWP 13	8,000	110	103	26	18	17	2.19

pewag PSWP Grab Hook

Code	WLL [kg]	LC [kN]	e [mm]	b [mm]	d1 [mm]	d2 [mm]	g [mm]	Weight [kg/unit]
PSWP 7/8	3000	60	68	63	18	11	10	0.53
PSWP 10	5000	100	88	81	22	14	13	1.05
PSWP 13	8000	160	110	103	26	18	17	1.89

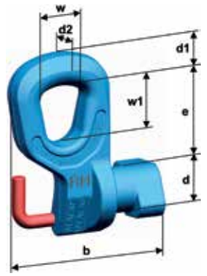
pewag ISWP Integrated Shortening Element

Code	WLL [kg]	e [mm]	a [mm]	b [mm]	d [mm]	g [mm]	Weight [kg/unit]
ISWP 10	5,000	100	99	78	14	12	2.42

pewag PTKWP

Code	WLL [kg]	L1 [mm]	e [mm]	e1 [mm]	Weight [kg/unit]
PTKWP 10 200	5,000	430	101	-	3.40
PTKWP 10 200 KHSWP	5,000	551	101	121	5.09
PTKWP 10 300	5,000	430	101	-	3.40
PTKWP 10 300 KHSWP	5,000	551	101	121	5.09

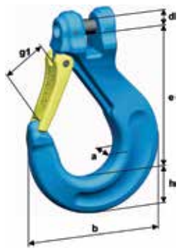
pewag CHWP Container Hook



Code	WLL [kg]	Working load limit as a set (4 units in case of vertical loading [kg]	Working load limit as a set (4 units) at max. 60° [kg]	Working load limit as a set (4 units) at max. 50° [kg]	Working load limit as a set (4 units) at max. 36° [kg]
CHWP 16	-	50,000	25,000	32,000	40,000
CHWP 16 LH	12,500	-	-	-	-
CHWP 16 RH	12,500	-	-	-	-

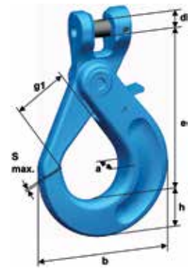
Code	WLL [kg]	e [mm]	b [mm]	d [mm]	d1 [mm]	d2 [mm]	w [mm]	w1 [mm]	Weight [kg/set]
CHWP 16	-	95	166	49	35	35	48	61	18.80
CHWP 16 LH	12,500	95	166	49	35	35	48	61	4.70
CHWP 16 RH	12,500	95	166	49	35	35	48	61	4.70

pewag KHSWP Clevis Hook



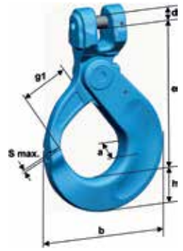
Code	WLL [kg]	LC [kN]	e [mm]	h [mm]	a [mm]	d [mm]	g1 [mm]	b [mm]	Weight [kg/unit]
KHSWP 7	2,360	47	105	26	19	9.50	36	101	0.85
KHSWP 8	3,000	60	105	26	19	10.70	36	101	0.85
KHSWP 10	5,000	100	121	33	26	14	41	118	1.68
KHSWP 13	8,000	160	148	43	30	17.50	49	147	2.99
KHSWP 16	12,500	250	173	51	35	21	59	176	5.10

pewag KLHWP Clevis Safety Hook



Code	WLL [kg]	e [mm]	h [mm]	a [mm]	b [mm]	d [mm]	g [mm]	s max. [mm]	Weight [kg/unit]
KLHWP 7	2,360	116	24.50	23.60	90	9.50	32	1	0.89
KLHWP 8	3,000	115	24.50	23.60	90	10.70	32	1	0.90
KLHWP 10	5,000	136	31.50	27.80	113	14	45	1	1.60
KLHWP 13	8,000	179	39.80	33.70	146	17.50	54	1.50	3.42

pewag KLHGWP Oversize safety hook



Code	WLL [kg]	e [mm]	h [mm]	a [mm]	b [mm]	d [mm]	d1 [mm]	s max. [mm]	Weight [kg/unit]
KLHGWP 7	2,360	131	27	21	107	9.5	48	1	1.10
KLHGWP 8	3,000	130	27	21	107	10.7	48	1	1.10
KLHGWP 10	5,000	166	35	26	137	14	61	1	2.16
KLHGWP 13	8,000	208	44	32	175	17.5	78	1.5	4.33
KLHGWP 16	12,500	237	54	37	195	21	86	2	7.70

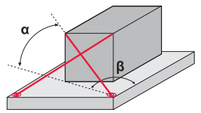
pewag KPWP Clevis grab hook

Code	WLL [kg]	e [mm]	h [mm]	a [mm]	b [mm]	Weight [kg/unit]
KPWP 7	2,360	63	70	10	10	0.58
KPWP 8	3,000	62	70	11	10	0.58
KPWP 10	5,000	73	83	14	12	1.00
KPWP 13	8,000	98	104	18	16	2.29
KPWP 16	12,500	124	123	21	19	4.32

Direct lashing

Lashing system: WINPRO 7 chain with dimension 7 load binder (LC 47 kN; for 4 lashing chains)								
Angle	Angle	Max. load with dynamic friction coefficient						
α	β	0.01	0.1	0.2	0.3	0.4	0.5	0.6
20 - 35°	21 - 30°	-	-	10,150	13,700	16,550	20,400	25,950
20 - 35°	31 - 40°	7,450	8,650	10,300	12,350	15,000	18,600	23,450
20 - 35°	41 - 50°	6,250	7,350	8,850	10,700	13,100	16,150	20,350
20 - 35°	51 - 60°	4,900	5,850	7,150	8,800	10,750	13,200	16,750
36 - 50°	21 - 30°	-	-	9,250	11,900	14,750	18,650	24,200
36 - 50°	31 - 40°	-	7,100	8,750	10,850	13,550	17,200	22,450
36 - 50°	41 - 50°	4,950	6,100	7,600	9,550	12,050	15,450	20,350
36 - 50°	51 - 60°	-	4,900	6,300	8,050	10,350	13,450	17,850
Lashing system: WINPRO 8 chain with dimension 8 load binder (LC 60 kN; for 4 lashing chains)								
Angle	Angle	Max. load with dynamic friction coefficient						
α	β	0.01	0.1	0.2	0.3	0.4	0.5	0.6
20 - 35°	21 - 30°	-	-	13,000	17,450	21,150	26,100	33,150
20 - 35°	31 - 40°	9,550	11,050	13,150	15,750	19,150	23,750	29,950
20 - 35°	41 - 50°	8,000	9,400	11,300	13,650	16,750	20,650	25,950
20 - 35°	51 - 60°	6,250	7,450	9,100	11,200	13,700	16,850	21,350
36 - 50°	21 - 30°	-	-	11,800	15,200	18,850	23,800	30,900
36 - 50°	31 - 40°	-	9,100	11,200	13,850	17,300	22,000	28,700
36 - 50°	41 - 50°	6,300	7,750	9,700	12,200	15,400	19,750	25,950
36 - 50°	51 - 60°	-	6,250	8,050	10,300	13,200	17,150	22,800
Lashing system: WINPRO 10 chain with dimension 10 load binder (LC 100 kN; for 4 lashing chains)								
Angle	Angle	Max. load with dynamic friction coefficient						
α	β	0.01	0.1	0.2	0.3	0.4	0.5	0.6
20 - 35°	21 - 30°	-	-	21,650	29,150	35,250	43,500	55,250
20 - 35°	31 - 40°	15,900	18,450	21,950	26,300	31,950	39,650	49,900
20 - 35°	41 - 50°	13,350	15,700	18,800	22,800	27,900	34,450	43,300
20 - 35°	51 - 60°	10,400	12,450	15,200	18,700	22,850	28,100	35,600
36 - 50°	21 - 30°	-	-	19,700	25,350	31,450	39,700	51,500
36 - 50°	31 - 40°	-	15,150	18,650	23,100	28,850	36,650	47,800
36 - 50°	41 - 50°	10,550	12,950	16,200	20,350	25,700	32,950	43,300
36 - 50°	51 - 60°	-	10,450	13,400	17,150	22,000	28,600	38,050
Lashing system: WINPRO 13 chain with dimension 13 load binder (LC 160 kN; for 4 lashing chains)								
Angle	Angle	Max. load with dynamic friction coefficient						
α	β	0.01	0.1	0.2	0.3	0.4	0.5	0.6
20 - 35°	21 - 30°	-	-	34,700	46,650	56,400	69,600	88,450
20 - 35°	31 - 40°	25,500	29,550	35,100	42,100	51,150	63,400	79,850
20 - 35°	41 - 50°	21,400	25,100	30,150	36,450	44,700	55,100	69,250
20 - 35°	51 - 60°	16,700	19,950	24,350	29,950	36,600	45,000	57,000
36 - 50°	21 - 30°	-	-	31,550	40,550	50,300	63,500	82,400
36 - 50°	31 - 40°	-	24,250	29,850	36,950	46,200	58,700	76,500
36 - 50°	41 - 50°	16,900	20,750	25,950	32,550	41,150	52,700	69,250
36 - 50°	51 - 60°	-	16,700	21,450	27,450	35,250	45,800	60,900

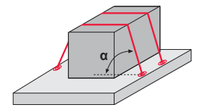
This table provides information on how to get the best use from the pewag lashing systems. The loads specified are maximum loads that may be secured using four equal lashing chains and given the specified angles and dynamic friction factors. Additional securing methods (i.e. wedges or similar) that may be used to secure even heavier weights have not been taken into account. Please contact our customer service for more information.
Every pewag lashing product has its own table. The maximum forces resulting from acceleration, braking and avoidance manoeuvres in road traffic acc. to EN 12195-1 were taken into account. Different tables apply for transport by rail and sea. Our customer service team will be pleased to provide additional information.



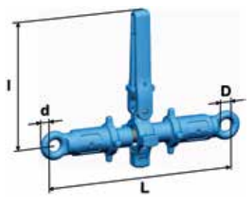
Frictional lashing

Tensioner with an STF value of: 1900 daN						
Angle	Max. load/chain with dynamic friction coefficient					
α	0.1	0.2	0.3	0.4	0.5	0.6
90	430	1,010	1,820	3,040	5,060	9,120
85	430	1,000	1,810	3,020	5,040	9,080
80	420	990	1,790	2,990	4,980	8,980
70	400	950	1,710	2,850	4,760	8,560
60	370	870	1,570	2,630	4,380	7,890
50	330	770	1,390	2,320	3,880	6,980
40	270	650	1,170	1,950	3,250	5,860
30	210	500	910	1,520	2,530	4,560
Tensioner with an STF value of: 2200 daN						
Angle	Max. load/chain with dynamic friction coefficient					
α	0.1	0.2	0.3	0.4	0.5	0.6
90	500	1,170	2,110	3,520	5,860	10,560
85	500	1,160	2,100	3,500	5,840	10,510
80	490	1,150	2,070	3,460	5,770	10,390
70	470	1,100	1,980	3,300	5,510	9,920
60	430	1,010	1,820	3,040	5,080	9,140
50	380	890	1,610	2,690	4,490	8,080
40	320	750	1,350	2,260	3,770	6,780
30	250	580	1,050	1,760	2,930	5,280
Tensioner with an STF value of: 2500 daN						
Angle	Max. load/chain with dynamic friction coefficient					
α	0.1	0.2	0.3	0.4	0.5	0.6
90	570	1,330	2,400	4,000	6,660	12,000
85	560	1,320	2,390	3,980	6,640	11,950
80	560	1,310	2,360	3,930	6,560	11,810
70	530	1,250	2,250	3,750	6,260	11,270
60	490	1,150	2,070	3,460	5,770	10,390
50	430	1,020	1,830	3,060	5,100	9,190
40	360	850	1,540	2,570	4,280	7,710
30	280	660	1,200	2,000	3,330	6,000
Tensioner with an STF value of: 3000 daN						
Angle	Max. load/chain with dynamic friction coefficient					
α	0.1	0.2	0.3	0.4	0.5	0.6
90	680	1,600	2,880	4,800	8,000	14,400
85	680	1,590	2,860	4,780	7,960	14,340
80	670	1,570	2,830	4,720	7,870	14,180
70	640	1,500	2,700	4,510	7,510	13,530
60	590	1,380	2,490	4,150	6,920	12,470
50	520	1,220	2,200	3,670	6,120	11,030
40	440	1,020	1,850	3,080	5,140	9,250
30	340	800	1,440	2,400	4,000	7,200

This table provides information on how to get the best use from the pewag lashing systems. The loads specified are maximum loads that may be secured using four equal lashing chains and given the specified angles and dynamic friction factors. Caution: Use at least two lashing devices for frictional lashing operations! Additional securing methods (i.e. wedges, using the side panel as a blocker etc.) that may be used to secure even heavier weights have not been taken into account in the table. Please contact our customer service for more information.
The values specified in the table only apply to situations where the lashing system on both sides of the load is not subject to the same tension force (STF) due to the deflection and edges. If this can be determined (e.g. using a pretensioning gauge), the values in the table may be increased by a factor of 1.3. The maximum loading weight depends on the STF value of the tensioning system, which is shown on the lashing system's tag. Every lashing system has its own table. The maximum forces resulting from acceleration, braking and avoidance manoeuvres in road traffic acc. to EN 12195-1 were taken into account. Different tables apply for transport by rail and sea. Our customer service team will be pleased to provide additional information



pewag RSKWP Load Binder

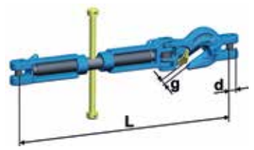


Code	WLL [kg]	Length when closed L [mm]	Length when open L [mm]	Tension range [mm]	Lever length l [mm]	D [mm]	d [mm]	Weight [kg/unit]
RSKWP 7/8	3,000	360	536	176	237	23	16	5.20
RSKWP 10	5,000	360	536	176	360	23	16	5.50
RSKWP 13	8,000	569	894	325	411	35	23	8.40
RSKWP 16	12,500	569	894	325	411	35	23	8.40

pewag RPSWP Load Binder

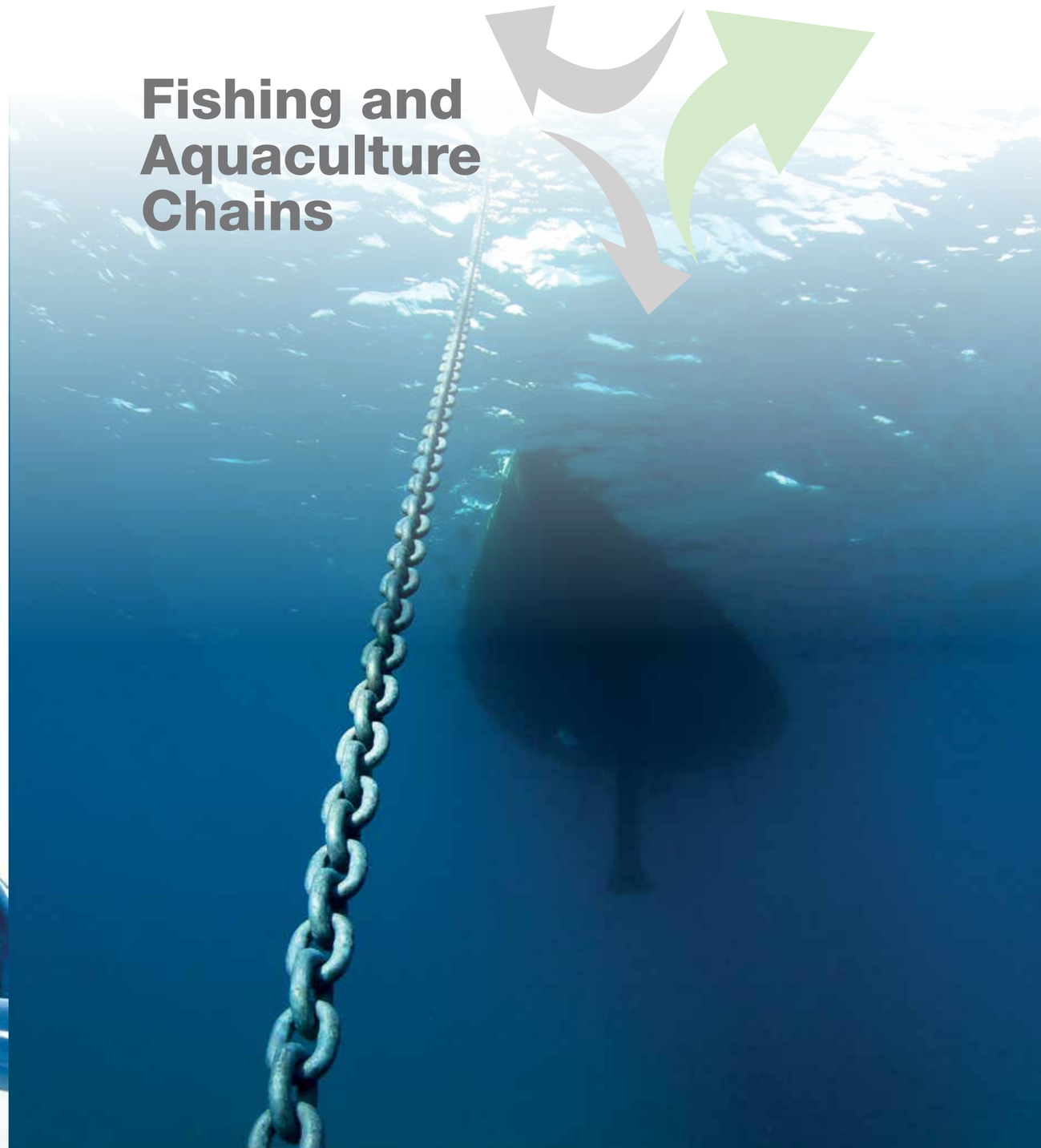
Code	LC [kN]	Standard tensioning forceSTF [daN]	Length when closed L [mm]	Length when open L [mm]	Clamping range [mm]	Lever length l [mm]	Jaw size g [mm]	Weight [kg/unit]
RPSWP 7	47	2,200	604	780	176	237	10	6.60
RPSWP 8	60	2,200	604	780	176	237	10	6.60
RPSWP 10	100	2,500	676	852	176	360	13	8.32
RPSWP 13	160	3,000	959	1,284	325	411	17	13.54

pewag KSPSWP Ratchet Binder



Code	LC [kN]	Standard tensioning force STF [daN]	Length when closed L [mm]	Length when open L [mm]	Tension range [mm]	d [mm]	g [mm]	Weight [kg/unit]
KSPSWP 10	100	-	440	621	181	14	12.5	4.10

Fishing and Aquaculture Chains



pewag G80 Short Link Fishing Chains

Product Number	Chain size metric Ø [m]	BF [kg]	Weight [kg/mt]
91232	7 x 21 x 10,5	6.000	1,10
91233	8 x 24 x 12	8.000	1,40
91230	10 x 30 x 14	12.500	2,20
91231	13 x 39 x 19	21.000	3,80
75239	16 x 48 x 23	32.000	5,70
75217	19 x 57 x 25	44.800	8,00
72753	22 x 66 x 29	61.100	11,00
29277	7 x 21 x 10,5	6.000	1,10
29284	8 x 24 x 12	8.000	1,40
29285	10 x 30 x 14	12.500	2,20
29286	13 x 39 x 19	21.000	3,80
29333	16 x 48 x 23	32.000	5,70

The standard chain is self-coloured, optionally it also available with COROLIM 8µm coating (PCP) (part # 29xxx).
Measurements subject to production tolerances and technical changes.

pewag G80 Mid Link Fishing Chains

Product Number	Chain size metric Ø [m]	BF [kg]	Weight [kg/mt]
87097	10 x 40 x 15	12.600	1,98
75221	10 x 40 x 19	12.600	2,05
87098	13 x 52 x 19,5	21.200	3,35
87099	16 x 64 x 24	32.000	5,06
87101	19 x 76 x 29	44.800	7,20
76230	22 x 88 x 30	62.000	9,24
On Request	24 x 84 x 31	73.400	11,90
On Request	26 x 92 x 31	86.600	13,66

The standard chain is self-coloured, optionally it also available with other finishing for an up-charge.
Measurements subject to production tolerances and technical changes.

pewag G80 Long Link Fishing Chains

Product Number	Chain size metric Ø [m]	BF [kg]	Weight [kg/mt]
75242	9 x 53 x 15	10.000	1,40
75360	11 x 64 x 18	15.000	2,10
78036	13 x 80 x 22	21.200	2,90
78217	16 x 100 x 26	32.100	4,40
78253	19 x 100 x 26	45.000	6,30
On Request	22 x 120 x 32	65.000	8,50
On Request	28 x 150 x 39	100.400	14,00
On Request	32 x 170 x 44	131.000	19,00
46559	9 x 53 x 15	10.000	1,40
46363	11 x 64 x 18	15.000	2,10
46391	13 x 80 x 22	21.200	2,90
46406	16 x 100 x 26	32.100	4,40
46519	19 x 100 x 26	45.000	6,30
78256	9 x 53 x 15	10.000	1,40
78268	11 x 64 x 18	15.000	2,10
78280	13 x 80 x 22	21.200	2,90
78287	16 x 100 x 26	32.100	4,40

The standard chain is self-coloured, optionally it also available with a Purple water-based spray colour, or with COROLIM 8µm coating (PCP) (part # 78xxx).
Measurements subject to production tolerances and technical changes.

pewag G95 Short Link Fishing Chains

Product Number	Chain size metric Ø [m]	BF [kg]	Weight [kg/mt]
95103	13 x 39 x 19	27.300	3,70
95129	16 x 48 x 23	41.000	5,70
95133	19 x 57 x 27	57.830	8,00

The standard chain is black self-coloured, optionally it also available with custom finishing.
Measurements subject to production tolerances and technical changes.

pewag G95 Mid Link Fishing Chains

Product Number	Chain size metric Ø [m]	BF [kg]	Weight [kg/mt]
75222	10 x 40 x 15	15.000	1,98
75223	13 x 52 x 19,5	25.000	3,35
75227	16 x 64 x 24	38.000	5,13
75231	19 x 76 x 29	54.000	7,20
On Request	22 x 86 x 26	70.000	9,90
On Request	26 x 92 x 31	95.000	13,66
75240	16 x 64 x 24	38.000	5,13
75241	19 x 76 x 29	54.000	7,20

The standard chain is self-coloured, optionally it also available with COROLIM 8µm coating (PCP) (part # 75240 and 75241). Measurements subject to production tolerances and technical changes.

pewag G95 Long Link Fishing Chains

Product Number	Chain size metric Ø [m]	BF [kg]	Weight [kg/mt]
1086	9 x 53 x 15	12.500	1,36
1113	11 x 64 x 18,5	18.500	2,03
1223	13 x 80 x 22	26.500	2,83
20816	16 x 100 x 26	40.000	4,34
20820	19 x 100 x 26	57.000	6,31
On Request	22 x 120 x 32	75.000	8,74
On Request	28 x 150 x 40	105.000	14,41

The standard chain is self-coloured, optionally it also available with a Purple water-based spray colour, or with COROLIM 8µm coating (PCP).
Measurements subject to production tolerances and technical changes.

pewag Tickler Chains for Bottom Trawlers

Product Number	Chain size metric Ø [m]	BF [kg]	Weight [kg/mt]
82261	12 x 42 x 16,8	18.000	2,96
82215	14 x 49 x 19,6	24.600	4,02
82251	16 x 56 x 22,4	32.000	5,26
82282	18 x 63 x 24	40.700	6,70

Other dimensions upon request.
Measurements subject to production tolerances and technical changes.

pewag G60 Long Link Aquaculture Chains

Product Number	Chain size metric Ø [m]	Indicative BF [kg]	Weight [kg/mt]
95150	9 x 53 x 15	11.250	1,40
95288	11 x 64 x 18	13.000	2,10
94973	11 x 72 x 19	13.000	2,20
95077	13 x 80 x 22	16.300	2,90
95097	16 x 100 x 30	24.700	4,60
95101	19 x 110 x 35	32.100	6,50
95282	22 x 125 x 38	46.600	8,70
95283	25 x 143 x 38	60.000	10,30
95284	28 x 150 x 40	75.300	14,90
95285	30 x 159 x 42	88.700	16,00
95286	32 x 170 x 44	98.300	19,00

Other dimensions finishing and grades upon request.
Measurements subject to production tolerances and technical changes

GR60 BRIDLES - MOORING - AQUACULTURE 10 METER LONG BRIDLE-WELDED MASTERLINK ON ONE END
HD Galvanized ISO 1461 with 85µm zinc protection average NO PEEL OFF

Product Number	Chain size metric Ø [m]	Indicative BF [kg]	Weight [kg/mt]
TBD	16 x 100 x 26 + AW22	22.800	47
TBD	19 x 100 x 26 + VW13	30.000	69

Other custom welded pendants with different master links available upon request.
Measurements subject to production tolerances and technical changes.

pewag Mooring Chains Genoese Style

Product Number	Chain size metric Ø [m]	Indicative BF [kg]	Weight [kg/mt]
90286	8 x 28 x 11,2	3.270	1,38
90287	10 x 35 x 14	5.120	2,16
90288	12 x 42 x 16,8	7.370	2,96
90289	14 x 49 x 19,6	10.000	4,20
90290	16 x 56 x 22,4	13.110	5,52
90373	16 x 64 x 24	16.380	5,30
90291	18 x 63 x 25,2	16.600	7,04
90374	19 x 76 x 29	23.100	7,46
90292	20 x 70 x 30	20.490	8,51
93526	22 x 77 x 33	24.790	10,00
25623	26 x 130 x 39	35,677	9.20
43056	30 x 150 x 45	47.650	17,66

Other dimensions finishing and grades upon request.
Measurements subject to production tolerances and technical changes.

pewag Corropro

pewag corropro is an electrochemical deposited anticorrosion coating, which has a bonded zinc pre-treatment. In a dipping bath, an epoxy based anticorrosion layer is electrochemically deposited on the surface of the work pieces by coagulating the binder. This protective micro layer is hardened in special ovens at a temperature of 150°C-180°C. pewag corropro does not contain any heavy metals like lead, cadmium, and hexavalent chromium (CrVI-free).

Salt spray test – to ISO 9227 (NSS-test)

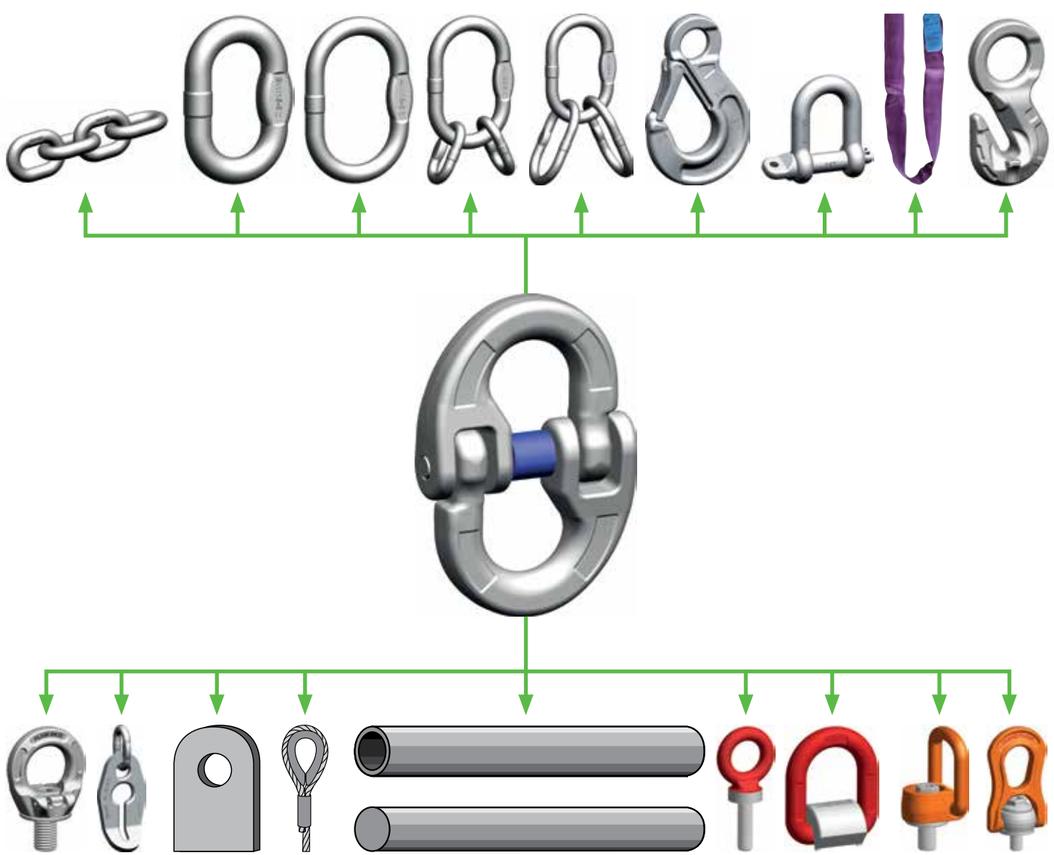
Starting situation	Final state
PCP – corropro	528 h
	
PC – powder coated	528 h
	
GZN – electro galvanized	288 h
	
LAC – varnished	168 h
	

Stainless Steel Chain and Chain Components

pewag The CWI Connex Connecting Link

The CWI Connex is not just any connecting link.
Indeed, the arguments in its favour are as incorruptible as… well, as steel:

- No special requirements for connecting are needed, for instance flat sections or similar.
- Other lifting accessories such as hooks, master links, shortenings etc. can be just as easily integrated.
- The two-part design makes for easy connection with eyes or openings or mounting over shafts and tubes.
- Easy retrofitting or dismantling.
- Due to the large radii of the system, Connex provides plenty of space during the linking process in a wide range of applications.
- CWI Connex is also known as the “problem solver” – there are hardly any limits when it comes to combination with other elements.



Extremely versatile when it comes to possible combinations: The trademark of the CWI Connex connecting link.

It is all about the combination within the assembled inox G6 plus system.

Now available with Duplex material

[1] Available on request in duplex material 1.4462 (AISI F51 / AISI 318 LN), except VLWI and SSWI

Below, you will find an overview of different combinations of components within the assembled system. The possibilities are nearly endless! Of course, there are many more options available. We are also happy to supply customised versions upon request. The pewag customer service team is here to help!

	DIA d [mm]	WLL l-leg [kg]	WLL 0-45° [kg]	WLL 45-60° [kg]	*Top fitting Master link /-assembly AWI/VWI	Shortener Chain shortener VLWI	**Possible end fittings Eye sling hook HSWI	Master link AWI	Transition link BWI	Shackle SSWI
I-leg chain sling										
	5	630	-	-	AWI 10-6	VLWI 5/6-6	HSWI 5/6-6	AWI 10-6	BWI 7-6	SSWI 0.63 t-S/-W
	6	900	-	-	AWI 13-6	VLWI 5/6-6	HSWI 5/6-6	AWI 13-6	BWI 7-6	SSWI 0.9 t-S
	7	1,250	-	-	AWI 13-6	VLWI 7/8-6	HSWI 7/8-6	AWI 13-6	BWI 9-6	SSWI 1.6 t-S
	8 [1]	1,600	-	-	AWI 13-6	VLWI 7/8-6	HSWI 7/8-6	AWI 13-6	BWI 10-6	SSWI 1.6 t-S
	10 [1]	2,500	-	-	AWI 16-6	VLWI 10-6	HSWI 10-6	AWI 16-6	BWI 13-6	SSWI 2.5 t-S
	13	4,250	-	-	AWI 22-6	VLWI 13-6	HSWI 13-6	AWI 22-6	BWI 16-6	SSWI 4.25 t-S
	16	6,300	-	-	AWI 22-6	VLWI 16-6	HSWI 16-6	AWI 22-6	BWI 20-6	SSWI 6.3 t-S

L = Effective working length according customer specification

II-leg chain sling										
	5	-	850	630	AWI 10-6	VLWI 5/6-6	HSWI 5/6-6	AWI 10-6	BWI 7-6	SSWI 0.63 t-S/-W
	6	-	1,250	900	AWI 13-6	VLWI 5/6-6	HSWI 5/6-6	AWI 13-6	BWI 7-6	SSWI 0.9 t-S
	7	-	1,750	1,250	AWI 16-6	VLWI 7/8-6	HSWI 7/8-6	AWI 13-6	BWI 9-6	SSWI 1.6 t-S
	8 [1]	-	2,200	1,600	AWI 16-6	VLWI 7/8-6	HSWI 7/8-6	AWI 13-6	BWI 10-6	SSWI 1.6 t-S
	10 [1]	-	3,500	2,500	AWI 18-6	VLWI 10-6	HSWI 10-6	AWI 16-6	BWI 13-6	SSWI 2.5 t-S
	13	-	5,950	4,250	AWI 22-6	VLWI 13-6	HSWI 13-6	AWI 22-6	BWI 16-6	SSWI 4.25 t-S
	16	-	8,800	6,300	AWI 26-6	VLWI 16-6	HSWI 16-6	AWI 22-6	BWI 20-6	SSWI 6.3 t-S

L = Effective working length according customer specification

III-leg chain sling										
	5	-	1,300	940	VWI 5-6	VLWI 5/6-6	HSWI 5/6-6	AWI 10-6	BWI 7-6	SSWI 0.63 t-S/-W
	6	-	1,850	1,350	VWI 6/7-6	VLWI 5/6-6	HSWI 5/6-6	AWI 13-6	BWI 7-6	SSWI 0.9 t-S
	7	-	2,600	1,850	VWI 6/7-6	VLWI 7/8-6	HSWI 7/8-6	AWI 13-6	BWI 9-6	SSWI 1.6 t-S
	8 [1]	-	3,350	2,400	VWI 8-6	VLWI 7/8-6	HSWI 7/8-6	AWI 13-6	BWI 10-6	SSWI 1.6 t-S
	10 [1]	-	5,250	3,750	VWI 10-6	VLWI 10-6	HSWI 10-6	AWI 16-6	BWI 13-6	SSWI 2.5 t-S
	13	-	8,900	6,350	VWI 13-6	VLWI 13-6	HSWI 13-6	AWI 22-6	BWI 16-6	SSWI 4.25 t-S
	16	-	13,200	9,400	VWI 16-6	VLWI 16-6	HSWI 16-6	AWI 22-6	BWI 20-6	SSWI 6.3 t-S

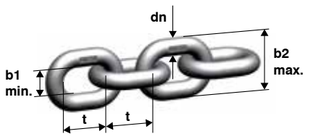
L = Effective working length according customer specification

III-leg chain sling										
	5	-	1,300	940	VWI 5-6	VLWI 5/6-6	HSWI 5/6-6	AWI 10-6	BWI 7-6	SSWI 0.63 t-S/-W
	6	-	1,850	1,350	VWI 6/7-6	VLWI 5/6-6	HSWI 5/6-6	AWI 13-6	BWI 7-6	SSWI 0.9 t-S
	7	-	2,600	1,850	VWI 6/7-6	VLWI 7/8-6	HSWI 7/8-6	AWI 13-6	BWI 9-6	SSWI 1.6 t-S
	8 [1]	-	3,350	2,400	VWI 8-6	VLWI 7/8-6	HSWI 7/8-6	AWI 13-6	BWI 10-6	SSWI 1.6 t-S
	10 [1]	-	5,250	3,750	VWI 10-6	VLWI 10-6	HSWI 10-6	AWI 16-6	BWI 13-6	SSWI 2.5 t-S
	13	-	8,900	6,350	VWI 13-6	VLWI 13-6	HSWI 13-6	AWI 22-6	BWI 16-6	SSWI 4.25 t-S
	16	-	13,200	9,400	VWI 16-6	VLWI 16-6	HSWI 16-6	AWI 22-6	BWI 20-6	SSWI 6.3 t-S

L = Effective working length according customer specification

pewag WOX Chain inox

WOX Chain inox

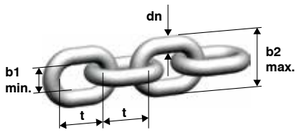


Now available with Duplex material

Code	Nominal DIA dn [mm]	Standard delivery length[m]	Pitch t [mm]	Inside width b1 min. [mm]	Outside width b2 max. [mm]	WLL [kg]	BF [kN]	Weight [kg/m]
WOX 4-6	4	50	12	5.80	14.80	400	16	0.40
WOX 5-6	5	50	15.10	7.50	18.50	630	25	0.61
WOX 6-6	6	50	18	8	21.50	900	37.50	0.88
WOX 7-6	7	50	21	9.50	25.20	1,250	50	1.19
WOX 8-6	8	50	24	10.80	28.60	1,600	63	1.53
WOX 10-6	10	50	30	13.50	36	2,500	100	2.40
WOX 13-6	13	25	39	17.50	46.80	4,250	170	4.05
WOX 16-6	16	25	48	21.50	57.60	6,300	250	6.00
WOX 20-5	20	-	60	27	72	8,000	314	9.29
WOX 26-4+	26	-	78	35	93.60	12,000	471	16.20

Material: 1.4404 (AISI 316 L) for WOX G6 and WOX G5
Material: 1.4571 (AISI 316 Ti) for WOX G4+

WOX Duplex chain inox



Code	Nominal DIA dn [mm]	Standard delivery length[m]	Pitch t [mm]	Inside width b1 min. [mm]	Outside width b2 max. [mm]	WLL [kg]	BF [kN]	Weight [kg/m]
WOX 8-6 D	8	50	24	10.80	28.60	1,600	63	1.53
WOX 10-6 D	10	50	30	13.50	36	2,500	100	2.40

Material: 1.4462 (AISI F51 / AISI 318 LN) for WOX G6-D

pewag AWI Master Link

Code	WLL 0°-45° [kg]	For 1-leg slings	For 2-leg slings	d [mm]	t [mm]	w [mm]	s [mm]	Weight [kg/pc.]
AWI 8-6	560	4	4	8	60	35	-	0.08
AWI 10-6	850	5	5	10	80	50	-	0.16
AWI 13-6	1,600	6/7/8	6	13	110	60	10	0.34
AWI 16-6	2,600	10	7/8	16	110	60	14	0.53
AWI 18-6	3,500	-	10	18	135	75	14	0.83
AWI 22-6	6,300	13/16	13	23	160	90	17	1.55
AWI 26-6	8,900	20	16	27	180	100	20	2.46
AWI 32-6	13,200	-	20	32	200	110	26	3.86
AWI 36-6	14,700	-	-	36	260	140	29	6.22
AWI 45	12,000	26	-	45	340	180	-	12.82

Custom made, also with flattening available.

Material: 1.4404 (ASI 316 L) from AWI 8-6 to AWI 10-6 and from AWI 45
Material: 1.4462 (ASI F51 / AISI 318 LN) from AWI 13-6 to AWI 36-6

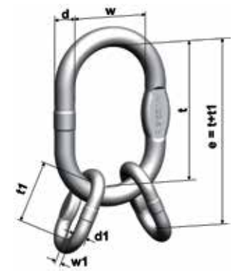
pewag BWI Transition Link

Code	WLL 0°-45° [kg]	d [mm]	t [mm]	w [mm]	s [mm]	Weight [kg/pc.]	For 1-leg slings	For 2-leg slings
BWI 7-6	900	7	36	16	-	0.04	5/6	5/6
BWI 9-6	1,250	9	44	20	-	0.07	7	7
BWI 10-6	1,600	10	44	20	-	0.09	8	8
BWI 13-6	2,500	13	54	25	10	0.18	10	10
BWI 16-6	4,250	16	70	34	14	0.35	13	13
BWI 20-6	6,300	20	85	40	16	0.67	16	16
BWI 22-6	8,000	23	115	50	17	1.16	20	-
BWI 26-6	10,070	27	140	65	20	1.92	-	-
BWI 32-6	12,000	32	150	70	26	3.18	26	-

Custom made, also with flattening available.

Material: 1.4404 (AISI 316 L) from BWI 7-6 to BWI 9-6
Material: 1.4462 (AISI F51 / AISI 318 LN) from BWI 10-6 to BWI 32-6

pewag VWI Master Link Assembly



Code	Consisting of	WLL 0°-45° [kg]	Weight [kg/pc.]	e [mm]	d [mm]	t [mm]	w [mm]	d1 [mm]	t1 [mm]	w1 [mm]
VWI 4-6	AWI 10-6 + 2 BWI 9-6	840	0.28	124	10	80	50	9	44	20
VWI 5-6	AWI 13-6 + 2 BWI 10-6	1,300	0.52	154	13	110	60	10	44	20
VWI 6/7-6	AWI 16-6 + 2 BWI 13-6	2,600	0.91	164	16	110	60	13	54	25
VWI 8-6	AWI 18-6 + 2 BWI 16-6	3,350	1.64	205	18	135	75	16	70	34
VWI 10-6	AWI 22-6 + 2 BWI 20-6	5,250	3.02	245	23	160	90	20	85	40
VWI 13-6	AWI 26-6 + 2 BWI 22-6	8,900	4.78	295	27	180	100	23	115	50
VWI 16-6	AWI 32-6 + 2 BWI 26-6	13,200	7.98	340	32	200	110	27	140	65

Custom made, also with flattening available.
Number close to code constitutes chain, used in combination with product.

Material: 1.4404 (AISI 316 L) from VWI 4-6
Material: 1.4462 (AISI F51 / AISI 318 LN) from VWI 5-6-6 to VWI 16-6)

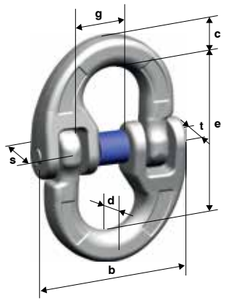
pewag VAWI Special Master Link Assembly

Code	Consisting of	WLL 0°-45° [kg]	Weight [kg/pc.]	e [mm]	d [mm]	t [mm]	w [mm]	d1 [mm]	t1 [mm]	w1 [mm]
VAWI 6-6	AWI 16-6 + 2 AWI 13-6	1,850	1.21	220	16	110	60	13	110	60
VAWI 7/8-6	AWI 18-6 + 2 AWI 16-6	3,350	1.98	245	18	135	75	16	110	60
VAWI 10-6	AWI 22-6 + 2 AWI 22-6	5,250	4.80	320	23	160	90	23	160	90
VAWI 13-6	AWI 26-6 + 2 AWI 26-6	8,900	7.38	360	27	180	100	27	180	100
VAWI 16-6	AWI 32-6 + 2 AWI 32-6	13,200	12.42	400	32	200	110	32	200	110

Number close to code constitutes chain, used in combination with product and attribution of ropes under construction of WLL in accordance of relevant rules of rope slings.

Material: 1.4462 (AISI F51 / AISI 318 LN)

pewag CWI Connex Connecting Link

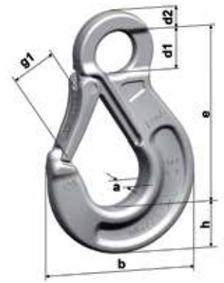


Code	WLL [kg]	e [mm]	c [mm]	s [mm]	t [mm]	d [mm]	b [mm]	g [mm]	Weight [kg/pc.]
CWI 5-6	630	36	7	10	11	7	34	13	0.06
CWI 6-6	900	42	8	11	12	7	40	13	0.08
CWI 7-6	1,250	54	9	13	14	9	51	17	0.14
CWI 8-6	1,600	58	10	13	14	8.50	51	17	0.16
CWI 10-6	2,500	73	13	18	18	13	70	25	0.37
CWI 13-6	4,250	92	17	23	25	17	86	29	0.76
CWI 16-6	6,300	104	21	32	28	20	105	37	1.41

Number close to code constitutes chain, used in combination with product.

Material: 1.4462 (AISI F51 / AISI 318 LN)
Material for bolt, sleeve and spring see spare parts set

pewag HSWI Eye Sling Hook

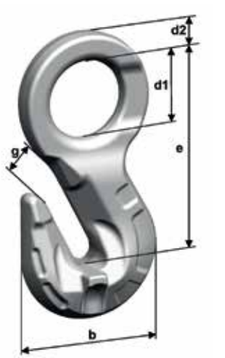


Code	WLL [kg]	e [mm]	h [mm]	a [mm]	d1 [mm]	d2 [mm]	g1 [mm]	b [mm]	Weight [kg/pc.]
HSWI 5/6-6	900	84	20	14	21	8	22	67	0.25
HSWI 7/8-6	1,600	112	29	20	27	13	32	98	0.70
HSWI 10-6	2,500	133	33	28	37	15	39	115	1.35
HSWI 13-6	4,250	172	43	35	48	18	51	147	2.60
HSWI 16-6	6,300	213	51	44	55	24	66	182	4.85

Number close to code constitutes chain, used in combination with product.

Material: 1.4462 (AISI F51 / AISI 318 LN)
Material for bolt, safety catch and spring see spare parts set

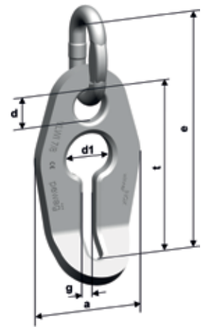
pewag PWI Grab Hook



Code	WLL [kg]	e [mm]	b [mm]	d1 [mm]	d2 [mm]	g [mm]	Weight [kg/pc.]
PWI 5/6	900	65	44	24,5	9	7,2	0,20

Material: 1.4462 (AISI F51 / AISI 318 LN

pewag VLWI Chain Shortener



Code	WLL [kg]	e [mm]	e1 [mm]	a [mm]	d [mm]	d1 [mm]	g [mm]	Weight [kg/pc.]
VLWI 5/6-6	900	80	114	52	16	26	8	0.22
VLWI 7/8-6	1,600	111	156	68	22	34	11	0.57
VLWI 10-6	2,500	133	186	86	27	40	12	1.06
VLWI 13-6	4,250	169	242	108	32	52	16	2.22
VLWI 16-6	6,300	204	284	134	38	64	20	4.16

Number close to code constitutes chain, used in combination with product.

Material: 1.4404 (AISI 316 L) for link and 1.4571 (AISI 316 Ti) for shortener from VLWI 5/6-6
Material: 1.4462 (AISI F51 / AISI 318 LN) for link and 1.4571 (AISI 316 Ti) for shortener from VLWI 7/8-6 to VLWI 16-6

pewag LCWI Loop Connector

Code	WLL [kg]	e [mm]	b [mm]	a [mm]	b [mm]	c [mm]	Weight [kg/pc.]
LCWI 5-6 C	630	31	6	10	6	12	0.068

Maximum temperature in use is 110° C.

Material: 1.4462 (AISI F51 / AISI 318 LN)

pewag SSWI Safety Shackle

Code	WLL [kg]	e [mm]	a [mm]	b [mm]	d [mm]	d1 [mm]	c [mm]	Weight [kg/pc.]
SSWI 0,9 t-S	900	41	10	21.50	10	11	22	0.14
SSWI 0,63 t-S	630	33	8	18	8	9	18	0.07
SSWI 0,63 t-S-W	630	35	8	21.50	8	9	18	0.08
SSWI 1,6 t-S	1,600	41	12	26	12	13	25	0.22
SSWI 2,5 t-S	2,500	62	15	36	15	17	32	0.52
SSWI 4,25 t-S	4,250	78	18	42	18	21	46	1.00
SSWI 6,3 t-S	6,300	109	24	58	24	29	59	2.40
SSWI 26-C [1]	13,000	152	34	76	34	38	75	5.80

[1] Maximum temperature in use is 110° C.

Other sizes and special models available on request.
Stronger shackles are also available on request.
Currently SSWI without UKCA marking, on request possible with UKCA marking.

Bolt safety mechanism:
S = with safety splint
C = with bolt adhesive, at the moment only size SSWI 26 is available, further sizes upon request.

Material: 1.4404 (AISI 316 L) from SSWI 0,63t-S to SSWI 6,3t-S
Material: 1.4542 (AISI 630) from SSWI 26-C

pewag PLGWI Gamma inox

Code	Thread [mm]	WLL [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	f [mm]	n [mm]	n max [mm]	⬡ [mm]	Weight [kg/pc.]
PLGWI 0,5 t	M12	500	30	55	12	30	59	30	18	160	8	0,23
PLGWI 1 t	M16	1.000	35	64	14	35	67	35	24	160	10	0,36
PLGWI 2 t	M20	2.000	40	72	17	40	80	45	30	160	12	0,60

Lashing type												
Number of legs			1	1	2	2	2	2	3+4	3+4	2	3+4
Angle of inclination			0°	90°	0°	90°	0°-45°	45°-60°	0°-45°	45°-60°	asymm	asymm
Code	**Thread [mm]**	**Torque [Nm]**	**Working load limit [kg]**									
PLGWI 0,5 t	M12	25	1.500	500	3.000	1.000	700	500	1.060	750	500	500
PLGWI 1 t	M16	50	3.000	1.000	6.000	2.000	1.400	1.000	2.100	1.500	1.000	1.000
PLGWI 2 t	M20	115	3.800	2.000	7.600	4.000	2.800	2.000	4.200	3.000	2.000	2.000

Straight pull 0°

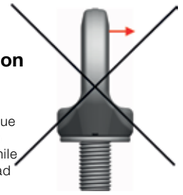
Higher working load limits for loading vertically to welding level (column"0°" in the working load limit table)

Lateral load direction “permitted” (ring is aligned) 90°

Higher working load limits for loading vertically to welding level (column “90°” in the working load limit table)

Lateral load direction “not permitted”

Application not permitted due to unstable conditions. The ring could turn suddenly while under load - highrisk for load and/or persons!



Naturally, the PLGW lifting point is also available in a rust-resistant version – as the PLGWI eye bolt, offering all the tried-andtested pewag advantages: Versatility when it comes to areas of application, accurately fitted measurements, optimised working load limits and unsurpassed ease-of-use. Please note that a hexagon Allen wrench is required as a tool for mounting and removal.

And the PLGWI offers even more than that:

The eyebolt is 360° rotatable, comes with an interchangeable special screw that is 100% crack-tested and is marked with the working load limit and the thread size! An integrated sleeve protects the surface of the load. The batch number displayed on all load-bearing parts such as the eye and screws as well as the serial number make identification, traceability and performance of mandatory, regular inspections easier than ever.

Additional benefits of the PLGW inox lifting point:

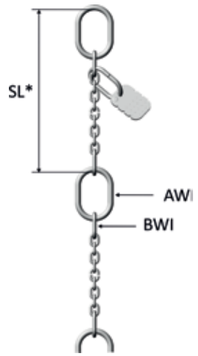
- Extendable areas of application thanks to Duplex steel with heightened rust-resistance
- The PRE/N value that determines the alloy composition and thus also the level of corrosion-resistance, lies at approx. 34.

Optionally also available with peTAG (NFC chip) or PIP (colour marking).

PLGWI gamma inox M12, M16 - available as a “basic” version (tool for assembly required)

PLGWI gamma inox M20 – available in “basic” version (tool for assembly required) and “supreme” version (no tool required for assembly)

pewag PCWI Stainless Steel Pump Chains



Code	WLL [kg]	Master link	Dimensions AWI [mm]	Transition link	Dimensions BWI [mm]	Chain type	Number of links	Segment length* [mm]	Weight SL* [kg]	Appropriately shackle / typ**
PCWI 4-6/320	320	AWI 6	6x60x35	-	-	WOX 4x12-5	77	984	0.39	SSWI 0.63 t -S/-W
PCWI 4-6/400	400	AWI 8	8x60x35	BWI 5	5x26x13	WOX 4x12	73	988	0.39	SSWI 0.63 t -S/-W
PCWI 5-6/560	560	AWI 8	8x60x35	BWI 7	7x36x16	WOX 5x15	53	943	0.43	SSWI 0.63 t -S/-W
PCWI 5-6/630	630	AWI 10	10x80x50	BWI 7	7x36x16	WOX 5x15	53	963	0.62	SSWI 0.63 t -S/-W
PCWI 6-6	850	AWI 10	10x80x50	BWI 7	7x36x16	WOX 6x18	47	998	0.68	SSWI 0.9 t -S
PCWI 7-6	1,250	AWI 13	13x110x60	BWI 9	9x44x20	WOX 7x21	37	975	1.35	SSWI 1.6 t -S
PCWI 8-6	1,600	AWI 13	13x110x60	BWI 10	10x44x20	WOX 8x24	33	990	1.70	SSWI 1.6 t -S
PCWI 10-6	2,500	AWI 16	16x110x60	BWI 13	13x54x25	WOX 10x30	25	968	2.60	SSWI 2.5 t -S
PCWI 13-6	3,500	AWI 18	18x135x75	BWI 16	16x70x34	WOX 13x39	19	1,016	4.50	SSWI 4.25 -S
PCWI 16-6	6,300	AWI 22	23x160x90	BWI 20	20x85x40	WOX 16x48	15	1,050	8.00	SSWI 6.3 t -S
PCWI 20-5	8,000	AWI 26	27x180x100	BWI 22	23x115x50	WOX 20x60	27	2,030	21.00	SSWI 26-C
PCWI 26-4+	12,000	AWI 45	45x340x180	BWI 32	32x150x70	WOX 26x78	19	2,122	43.20	SSWI 26-C

[1] PCWI pump sling in Duplex material 1.4462 (AISI F51 / AISI 318 LN), except SSWI

All dimensions given in this folder are nominal dimensions. Depending on the manufacturing process they are subject to various manufacturing tolerances.
*SL consisting of 1 x AWI, 2 x BWI, WOX chain in standard length. PCWI 4/320 is manufactured without transition link BWI.
**Please pay attention to the matching shackle. If necessary, please contact our customer service.

Now available with Duplex material

Code	WLL [kg]	Master link	Dimensions AWI [mm]	Transition link	Dimensions BWI [mm]	Chain type	Number of links	Segment length* [mm]	Weight SL* [kg]	Appropriately shackle / typ**
PCWI 8-6 D [1]	1,600	AWI 13	13x110x60	BWI 10	10x44x20	WOX 8x24 D	33	990	1.70	SSWI 1.6 t -S
PCWI 10-6 D [1]	2,500	AWI 16	16x110x60	BWI 13	13x54x25	WOX 10x30 D	25	968	2.60	SSWI 2.5 t -S

Systematic expediency

These pump chains are tested for perfection and serialised with a dedicated identification tag and test certificate, issued individually for each chain. Enlarged master links at the beginning, at segmented intervals and at the end of the chain make them ideally suited for step-by-step lowering, lifting or locking.

Upon request, we also offer customised variations:

- Two-legged system with “Y” for pumps equipped with 2 eye screws.
- Alternative end fittings, such as eye hooks, BWI links or shackles.
- Additional stabilisation chain.
- Variation of standard segment length.
- Customised models available.
- Stainless steel hoist chains for pump stations are available upon request.

We recommend safety shackles type SSWI for joining the pump to the chain. When placing an order, please indicate the desired total length of the chain or the number of segments as well as the end fitting (e.g. AWI Master link).

Note: The actual length is a multiple of the segment length, plus the length of the end fitting!