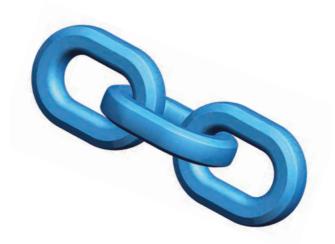
## pewag winner pro 300 lifting chains

## Taking robustness to a higher level.

This chain has an added load capacity of at least 50 % compared to grade 8 and is manufactured in compliance with PAS 1061 (with modifications). A reduction of the chain dimension and thus also of the weight of the chain sling is possible in almost any application. This high-performance, grade 12 chain comes with BG-approval and also offers added resistance against edge loading thanks to its profile sections. The profiled steel chain in G12 is particularly robust and available with a light blue powder-coated surface and with a black corropro coating.



winner pro 300 lifting chains	Code	Nominal diameter dn	Standard delivery length	Pitch t	Inside width b1 min.	Outside width b2 max.	Load capacity	Breaking force	Weight
		[mm]	[m]	[mm]	[mm]	[mm]	[kg]	[kN]	[kg/m]
ho 1	WINPRO FLE	X 300 PC/B							
b2 max.	WINPRO 7 FLEX 300	7	50	22	10	26	2,360	92.60	1.36
<u>t</u>	WINPRO 8 FLEX 300	8	50	25	11	29	3,000	118	1.64
	WINPRO 10 FLEX 300	10	50	33	14	37	5,000	196	2.70
	WINPRO 13 FLEX 300	13	50	41	19	50	8,000	314	4.80
	WINPRO 16 FLEX 300	16	25	51	23	60	12,500	491	7.17
	WINPRO FLE	X 300 PCP							
b2 max. tdn b1 min.	WINPRO 7 FLEX 300 PCP	7	50	22	10	26	2,360	92.60	1.36
* t	WINPRO 8 FLEX 300 PCP	8	50	25	11	29	3,000	118	1.64
	WINPRO 10 FLEX 300 PCP	10	50	33	14	37	5,000	196	2.70
	WINPRO 13 FLEX 300 PCP	13	50	41	19	50	8,000	314	4.80
	WINPRO 16 FLEX 300 PCP	16	25	51	23	60	12,500	491	7.17



## pewag winner pro 200 lifting chains

### Strong, flexible and efficient.

This new profile steel chain is manufactured according to the mechanical values of G12 and is suitable for a maximum operating temperature of 200 °C. Chamfered corners provide additional flexibility for the chain links and make the chain easier to handle. The chain really comes into its own during choke-hitch applications, due to the reduced impact of edges on the load.

The winner pro Flex 200 chain is available in light grey. Thanks to an improved resistance factor running across the symmetry axis, the chain is more robust when it comes to withstanding deformations in a longitudinal direction compared to round-link chains with the same diameter.

The chain also stands for maximum efficiency as part of the comprehensive winner pro portfolio. A detailed operating manual is available.



winner pro 200 lifting chains	Code	Nominal diameter dn	Standard delivery length	Pitch t	Inside width b1 min.	Outside width b2 max.	Load capacity	Breaking force	Weight
		[mm]	[m]	[mm]	[mm]	[mm]	[kg]	[kN]	[kg/m]
	WINPRO FLE	X 200 LAC/0	iΥ						
pagamax. din bit min.	WINPRO 7 FLEX 200	7	50	22	10	26	2,360	92.60	1.36
	WINPRO 8 FLEX 200	8	50	25	11	29	3,000	118	1.64
	WINPRO 10 FLEX 200	10	50	33	14	37	5,000	196	2.70
	WINPRO 13 FLEX 200	13	50	41	19	50	8,000	314	4.80
	WINPRO 16 FLEX 200	16	25	51	23	60	12,500	491	7.17

# Master links and sub-assemblies in G12

## **Product overview**

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## pewag AWP Master link

### Possibilities galore.

This is a standard master link for creating I- and II-leg chain slings using the CWP Connex connecting links.

Thanks to the flattened sections incorporated in the design, this master link opens up universal connection possibilities and may also be used as an end link with the same classification as for I-leg chain slings. See table for the correct chain dimensions and single hook size according to DIN 15401.

The master link is manufactured in accordance with EN 1677-4 with a load capacity according to G12 and comes with BG-approval. The surface of the master link has a light blue powder coating.



AWP Master link	Code	Load capacity 0°-45° [kg]	Can be used up to single hook according to DIN 15401 no.	d [mm]	t [mm]	w [mm]	s [mm]	Weight [kg/pc.]	For 1-leg slings	For 2-leg slings
	AWP 13	2,360	2.5	13	110	60	10	0.37	7	-
	AWP 16	3,500	2.5	17	110	60	14	0.55	8	7
	AWP 18	5,300	5	19	135	75	14	0.86	10	8
	AWP 22	8,000	6	23	160	90	17	1.60	13	10
s t	AWP 27	12,500	10	28	200	110	21	2.92	16	13
	AWP 33	17,500	10	33	200	110	21	4.14	-	16



## pewag MWP Enlarged master link

#### What counts, is the inner width.

This master links corresponds to EN 1677-4 with a load capacity according to G12. It is used to create I- and II-leg chain slings using the Connex CWP connecting link and opens up universal connection possibilities thanks to the flattened section incorporated in its design. It may also be used as an end link in single- or multiple-leg chain slings.

With its extra-large inner width compared to the AWP master link, it is also suitable for larger single hooks according to DIN 15401. Refer to the table for the correct chain dimensions and single hook size.

This enlarged master link is manufactured according to EN 1677-4 with the mechanical values of G12 and comes with BG-approval. The surface of the master link has a light blue powder coating.



MWP Enlarged master link	Code	Load capacity [kg]	Can be used up to single hook according to DIN 15401 no.	d [mm]	t [mm]	w [mm]	s [mm]	Weight	For 1-leg slings	For 2-leg slings
	MWP 13	2,360	4	14	120	70	10	0.46	7	-
	MWP 16	3,200	5	17	140	80	13	0.74	8	-
	MWP 18	5,000	6	19	160	95	14	1.05	10	-
	MWP 26	10,100	10	27	190	110	20	2.47	13	-
t t	MWP 36	17,500	10	38	275	150	29	7.48	-	16



## pewag VLWP 1 Oversize master link assembly

### Optimised for extra strength.

This asymmetrical master link assembly is equipped with extralarge rings that are perfect for crane hooks according to DIN 15401 and up to no. 25. The new design of the upper curve ensures an optimised contact surface on the crane hook. This master link assembly for I-leg chain slings in assembled or welded systems complies with EN 1677-4 and the mechanical values for G12.

The assembly is not just unique when it comes to areas of application, it also comes with CE-marking and a full operating manual.



VLWP 1 Oversize master link assembly	Code	Consisting of	Can be used up to single hook according to DIN 15401 no.	Load capacity	e [mm]	d [mm]	t [mm]	w [mm]	d1 [mm]	t1 [mm]	w1 [mm]	Weight	For 1-leg slings
d w	VLWP 1-7/8	LWP 22 + BWP 13	25	3,000	394	23	340	155	13	54	25	3.37	7+8
	VLWP 1-10	LWP 26 + BWP 16	25	5,000	410	26	340	155	17	70	34	3.56	10
	VLWP 1-13	LWP 26	25	8,000	340	28	340	155	-	-	-	4.40	13
s <b>5</b>	VLWP 1-16	LWP 33	25	12,500	340	33	340	155	-	-	-	6.60	16



## pewag VLWP 2/4 Oversize master link assembly

### Asymmetrically precise.

The new oversize lifting eye stands out for its asymmetrical shape and is suitable for the assembly of II- and IV-leg chain slings, both in the assembled and in the welded system.

The improved design of the upper curve optimises the contact surface of the assembly on the single hook, manufactured according to DIN 15401. The great plus of this master link assembly is the geometry of the lower area, which allows for the simple and quick assessment of the angle of the inclination, thus greatly increasing safety and efficiency during day-to-day operations and making miscalculations a thing of the past.

Extra-large rings make this master link assembly the perfect partner for crane hooks according to DIN 15401 up to no. 25. The assembly comes with CE-marking and is manufactured according to EN 1677-4, with mechanical values according to G12.



VLWP 2/4 Oversize master link assembly	Code	Con- sisting of	Can be used up to single hook according	Load capacity 0°-45°	е	d	t	w	d1	t1	w1	Weight	For 2-leg slings	For 3- and 4-leg slings
			to DIN 15401 no.	[kg]	[mm]	[kg/ pc.]								
d w	VLWP 2-7/8	LWP 22 + 2 BWP 13	25	4,250	394	23	340	155	13	54	25	3,6	7/8	-
	VLWP 2-10/ 4-7/8	LWP 26 + 2 BWP 16	25	7,100	410	27	340	155	17	70	34	5,2	10	7/8
t e	VLWP 2-13/ 4-10	LWP 32 + 2 BWP 20	25	11,200	425	33	340	155	20	85	40	8.00	13	10
	VLWP 4-13	LWP 36 + 2 BWP 26	25	17,000	480	38	340	155	27	140	65	12,8	-	13
tı	VLWP 2-16	LWP 36	25	17,500	340	38	340	155	-	-	-	8,9	16	-
-W/4w1	VLWP 4-16	LWP 40 + 2 BWP 32	25	26,500	490	40	340	155	33	150	70	16,3	-	16

## pewag VMWP Enlarged master link assembly

### True greatness for your load.

A load capacity according to G12, BG-approval and manufacturing according to EN 1677-4 are powerful arguments in favour of this universally usable master link assembly to create II-, III- and IV-leg chain slings for all chain dimensions.

Thanks to the flattened section on the transition links, this IV-leg assembly is also compatible with assembly types other than Connex CWP. The surface of the master link has a light blue powder coating. Refer to the table for the correct chain dimension.



VMWP Enlarged master link assembly	Code	Consisting of	Can be used up to single hook according to DIN 15401 no.	Load capa- city 0°-45°	e [mm]	d [mm]	t [mm]	w [mm]	d1 [mm]	t1 [mm]	w1 [mm]	Weight  [kg/pc.]	For 2-leg slings	For 3- and 4-leg slings
d w	VMWP 7/8	MWP 18 + 2 BWP 13	6	4,250	214	19	160	95	13	54	25	1.47	7+8	-
	VMWP 10/7/8	MWP 26 + 2 BWP 16	10	8,800	260	27	190	110	17	70	34	3.45	10	7+8
	VMWP 13/10	MWP 32 + 2 BWP 20	12	12,300	315	33	230	130	20	85	40	6.28	13	10
S'A	VM- WP -/13	MWP 36 + 2 BWP 26	20	21,200	415	38	275	150	27	140	65	11.50	-	13
1	VM- WP -/16	MWP 36 + 2 BWP 32	20	26,500	425	38	275	150	33	150	70	13.80	-	16



## pewag proudly presents – ISWP Shortening element

### Fast - Simple - Shortened.

- Tool free positioning anywhere along the entire length of the chain
- · Possibility to operate it with just one hand
- No need to reduce load capacity
- Available from the end of 2017

pewag sets great store on the further development of its product range and far exceeds market expectations in this respect. A new, innovative shortening element will soon be added to the pewag winner pro portfolio.

The ISWP shortening element is now in the last stages of its development and will be available from the end of 2017. Its outstanding feature will be tool-free positioning anywhere along the entire length of the chain. In addition, it will be possible to operate the shortening element with just one hand, making it even more user-friendly. It will not be necessary to reduce the load capacity when using the shortening element.



# Accessories in G12 – Lifting







## pewag CWP Connex connecting link

### True light blue.

This is a universal connecting link that consists of two die-forged, identical halves, a bolt and a safety sleeve and is manufactured according to EN 1677-1 with a load capacity according to G12. Thanks to the use of a safety sleeve, the design of this connecting link is extremely slim, thereby maximising the use of space – a great advantage compared to competitor products. The links may be assembled and disassembled by a competent person up to three times before the pin and the sleeve must be replaced (both are available as a spare parts set).

BG-approval is just one of the many benefits offered by the CWP Connex connecting link – the simplest way to assemble pewag winner pro chains, master links, master link assemblies and accessory parts. The surface of the master link has a light blue powder coating.



CWP Connex connecting link	Code	Load capacity	е	С	s	t	d	b	g	Weight
		[kg]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg/pc.]
9	CWP 7	2,360	63	11.50	13	15.50	9	51	17	0.24
c	CWP 8	3,000	62	14	25	20	10	58	20	0.27
	CWP 10	5,000	78	18	21	25	13	66	22	0.57
	CWP 13	8,000	107	22	25	34	17	84	25	1.43
	CWP 16	12,500	128	27	31	41	21	120	48	2.26



## pewag AGWP Load distributor

#### Guaranteed to last the course.

The AGWP load distributor is the perfect partner for the assembly of II- and IV-leg chain slings using Connex connecting links. It fulfils all the requirements of standard load distributors as well as ensuring an optimised force balance. The significantly improved load distribution allows for a higher load capacity (at least 30 % with equal dimensions) as all legs of the chain sling are placed under the same load.

In IV-leg chain slings, the AGWP makes it possible to consider all four chains as load-bearing. If two II-leg chain slings are used and one of them is equipped with a load distributor, this system may also be used as a IV-leg chain sling with four load-bearing legs. The extremely flat design also makes it possible to use the load distributor with an angle of inclination of up to 60°.

If elimination criteria apply, the load distributor may be rotated by 180°, thereby effectively doubling its lifespan. The full operating manual contains detailed information on this long-lasting product.



AGWP Load distributor	Code	Connecting link	Load capacity 0°-45° [kg]	Load capacity 45°-60°	a [mm]	e [mm]	d1 [mm]	d2 [mm]	h [mm]	h1 [mm]	s [mm]	Dif- ference L1/L2 [chain links]	Weight [kg/pc.]
e d1 d2 h h1	AGWP 7/8	CWP 10	4,250	3,000	210	51	22	25	15.50	14	15	6 for 7 mm chain, 5 for 8 mm chain	1.75
a	AGWP 10	CWP 13	7,100	5,000	180	32	25	32	23	15.50	15	4	1.56





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



Video AGWP

## pewag HSWP Eye sling hook

### Better to wear out than to rust out.

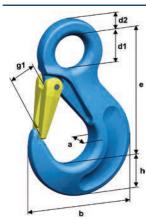
This eye sling hook is universally usable and comes with a forged and galvanised safety catch that locks into the tip of the hook, thereby providing excellent protection against lateral shifts.

The safety catch with a latch, the safety pin and the stainless spring are available as a spare parts set for each hook and easy and quick to replace by a competent person.

The hook is manufactured according to EN 1677-2 with the mechanical values of G12, comes with BG-approval and a light blue powder coating. The combination of the HSWP eye sling hook and the pewag winner pro connex system simply can't be beaten.



HSWP Eye sling hook	Code	Load capacity [kg]	e [mm]	h [mm]	a [mm]	d1 [mm]	d2 [mm]	g1 [mm]	b [mm]	Weight
d2	HSWP 7/8	3,000	106	27	19	25	11	26	88	0.65
	HSWP 10	5,000	131	33	26	34	16	31	108	1.29
d1	HSWP 13	8,000	164	43	33	43	19	39	132	2.43





## pewag LHWP Safety hook

### Safety first.

This safety hook corresponds to EN 1677-3 with a load capacity according to G12 and closes and locks automatically when placed under load, thereby offering even greater safety.

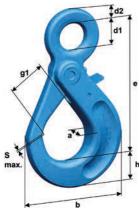
Thanks to the larger jaw size compared to the HSWP eye sling hook, this safety hook offers greater flexibility when it comes to possible combinations with the pewag winner pro Connex system.

The surface of the safety hook has a light blue powder coating. The hook may only be opened when it is not under load.

The locking set on the back of the hook consists of a lever, safety pin and stainless spring and is also available as a spare parts set. The parts are quick and easy to replace by a competent person. The hook also comes with BG-approval.



LHWP Safety hook	Code	Load capacity	е	h	a	b	d1	d2	g1	s max.	Weight
		[kg]	[mm]	[kg/pc.]							
‡d2	LHWP 7/8	3,000	126	25	25	89	25	14	34	1	0.91
	LHWP 10	5,000	158	31	28	112	31	17	45	1.50	1.56
	LHWP 13	8,000	205	41	34	145	40	22	54	2	3.50
91											



## pewag PWP Grab hook

### Perfect for chains and slings.

The standard shortening hook with BG-approval in the G12 programme is perfect both for the Connex and the welded system. A reduction of the load capacity when shortened is not required for this hook. Another great plus of this product is that it can be retrofitted into the system.

The hook corresponds to EN 1677-1 with the load capacity of G12 and is also available with a safety mechanism to prevent the accidental unhooking of the chain. Please see the lashing section for more information. The grab hook is suitable for the shortening of chains and the forming of slings that must not tighten.



PWP Grab hook	Code	Load capacity [kg]	e [mm]	b [mm]	d1 [mm]	d2 [mm]	g1 [mm]	Weight [kg/pc.]
g1, d2 d1 d1	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
	e							



## pewag KHSWP Clevis sling hook

### Resistance on a large scale.

This is a completely new hook in the pewag winner pro G12 range with a considerably larger jaw size than the HSWP eye sling hook.

It is manufactured according to EN 1677-2 with the mechanical values of grade 12 and may be mounted directly into the chain in the pewag winner pro clevis system without the need for a connecting link. The forged safety catch locks into the tip of the hook, thereby providing excellent protection against lateral shifts. The safety catch mechanism and the clevis load pins are available as spare parts set and easy and quick to exchange by a competent person.

The forged control markings make it easy to determine discard criteria.



KHSWP Clevis sling hook	Code	Load capacity [kg]	е	h	а	d	g1	b	Weight
			[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg/pc.]
1d	KHSWP 7	2,360	105	26	19	9.50	36	101	0.85
	KHSWP 8	3,000	105	26	19	10.70	36	101	0.85
9	KHSWP 10	5,000	121	33	26	14	41	118	1.68
	KHSWP 13	8,000	148	43	30	17.50	49	147	2.99
•	KHSWP 16	12,500	173	51	35	21	59	176	5.10

## pewag KLHWP Clevis safety hook

## Specialises in: safety and strength.

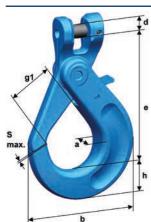
The great advantage of this clevis safety hook is that it closes and locks automatically under load, thereby preventing unintentional opening and providing additional safety during day-to-day operations. The larger jaw opening compared to the HSWP clevis hook provides additional versatility and flexibility.

The clevis safety hook is manufactured according to EN 1677-3 with mechanical values for G12. The hook is suitable for straight pull only. Tip loading of the hook or loading of the safety catch are not permissible. The hook is easy to assemble and does not require special tools or additional connecting links as it is placed directly in the chain. Please note that assembly must be performed by a competent person. The full operating manual contains detailed instructions on the correct use of the product.

The hook comes with CE-marking and exchangeable spare parts. The coupling pin and safety pin are available as a KBSWP spare parts set, as is the VLHWP locking set on the back of the hook.



KLHWP Clevis safety hook	Code	Load capacity	е	h	а	b	d	g	s max.	Weight
		[kg]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kg/pc.]
91	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 KPWP Clevis grab hook

### Perfect for chains and slings.

The standard shortening hook with BG-approval in the G12 programme is perfect both for the Connex and the welded system. A reduction of the load capacity when shortened is not required for this hook. Another great plus of this product is that it can be retrofitted into the system.

The hook corresponds to EN 1677-1 with the load capacity of G12 and is also available with a safety mechanism to prevent the accidental unhooking of the chain. Please see the lashing section for more information. The grab hook is suitable for the shortening of chains and the forming of slings that must not tighten.



KPWP Clevis grab hook	Code	Load capacity [kg]	e [mm]	b [mm]	d [mm]	g1 [mm]	Weight [kg/pc.]
	KPWP 16	12,500	124	123	21	19	4.32

