PML LIFTING
& Engineering Services

PRODUCT CATALOGUE 2020

Lifting & Lashing Points

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pewag

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Safety in lifting and lashing - General Specification

Pewag Profilift lifting points correspond to the Machine Directive (MRL) 2006/42/EC and Machine Safety Regulation 2010 as well as EN 1677-1 technical specifications.

The lifting points are manufactured in Pewag's ISO 9001 and 14001 certified plants and guarantee a minimum factor of safety of 4:1 with maximum dynamic load tests achieving a minimum of 20,000 cycles at 1.5 times the working load limit. Each lifting point is marked with an individual serial number and / or batch number for full traceability.

The load tables for each type of lifting point give the WLL for the type of application and include multi leg lifts and angles of inclination. These tables form part of the User Manual and are supplied within each lifting point pack in accordance with the Machinery Safety Directives.

The range of Pewag's screw-in lifting points are rated and marked with WLL at worst case with the angle of pull at 90° (trunnion mounted) and therefore no reduction factor is necessary when used in this way, unlike BS4278 collared eyebolts which can only be used at 25% of their WLL.

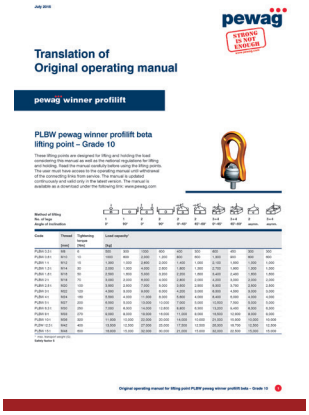
The PLBW, PLDW and PLGW lifting points can actually be used at higher capacities than marked when used in straight, vertical lifting applications - see load tables for details.

NOTE: When the lifting points are used in a lashing / towing application, the figures in the tables can be doubled to correspond with the 2:1 factor of safety for these applications of use.

3D models are available to download from www.pewag.com.

Stamping of the serial number


testing in pewag laboratory



User manual

pewag peTag

The peTAG solution enables cross-company, flexible servicing and administration of a wide range of different objects.

peTAG solution

The intelligent solution for unambiguous object identification, data transfer without media breaks, easy servicing of objects, safe document archiving, efficient interaction with partner businesses and much more.

peTAG info

Smart, free-of-charge access to product-specific information via mobile web.

peTAG manager

Watch your PC and mobile devices work hand in hand with this adaptable, high-performance platform – in any work environment and while increasing data quality at the same time. Expensive add-on reading devices and manual data transfer are things of the past!

Pewag profilift lifting points PLGW, PLAW, PLBW and PLDW have a standard prefrabrication for transponders (Ø 4 mm).

peTAG solution Keyfacts

Intelligent software
User-specific adaptation of object data, testing processes and steps. Automates the creation, sending and archiving of test reports. Sophisticated authorisation concept.

Save time & money
Efficient documentation of work processes, thus simplified daily workflows. Data exchange without media breaks, fault-free data communication.

Mobile solution
Direct, location-independent data access (e.g. load capacity, safety information, latest test reports etc.) Smart servicing of objects via mobile app. Offline availability.

Linked-up partnerships
Straightforward exchange and efficient interaction between service providers, merchants and customers. Improved service and data quality. Increased satisfaction and loyalty.

Always up to date
Access to the latest product data and information, overview of all test data, documentation of test procedures. Traceability of object history.

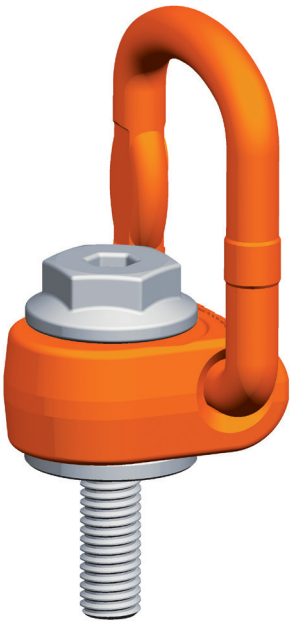
pewag PLAW Alpha

This lifting point is 360° rotatable. The load ring can be loaded over a wide range and can be positioned at any required angle due to its replaceable and patented spring. The hexagonal special screw can also be replaced and is secured to prevent loss.
The PLAW Pewag Winner Profilift Alpha screw is made from 10.9 grade material which is 100% crack-tested, covered with a chromate VI-free protection agent against corrosion and marked with the load capacity and thread size.

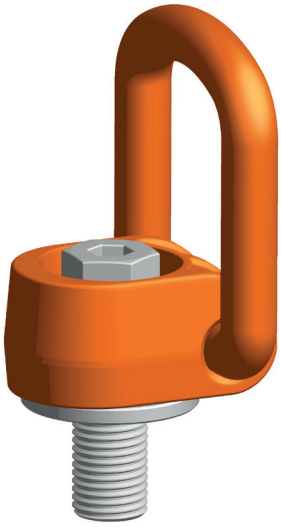
Pewag Winner Profilift Alpha is able to withstand a 4-fold safety factor against break in all directions and every single lifting point is marked with an individual serial number. Pewag Winner Profilift Alpha is available with metric or UNC thread.

The versions with metric threads are also available with customised bolt lengths. All load capacities, categorised by the type of application, the number of legs and angle of inclination, are contained in a table that forms an integral part of the operating manual included with each lifting point.

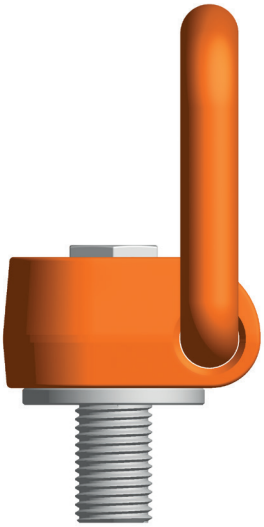
Also available with peTAG upon request.



PLAW 0.3 t - 1.5 t and PLAW 4 t / 13



PLAW 2.5 t - 20 t

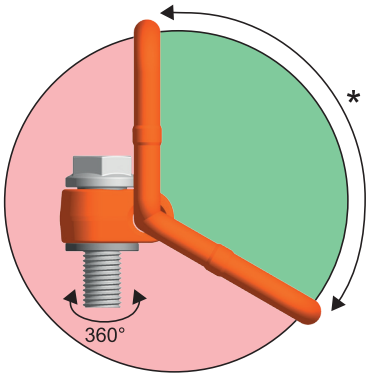


Permitted usage
For load capacities in the permitted directions of pull, please refer to the load capacity table.

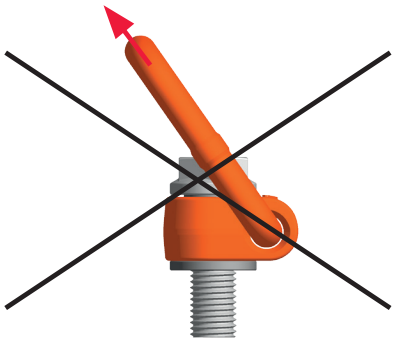
Non-permitted usage
During assembly, ensure that improper loading cannot arise due to any of the following factors:
- Direction of pull is obstructed
- Direction of pull is not within the indicated area
- Loading ring rests against edges or loads

The load ring must be placed in the direction of pull before loading – do not turn under load!

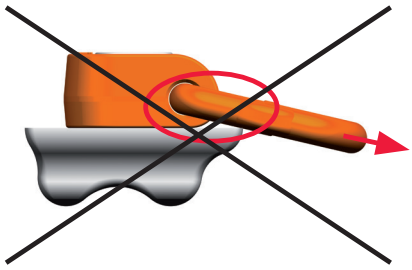
For additional details and information, please refer to the full operating manual on page 52.



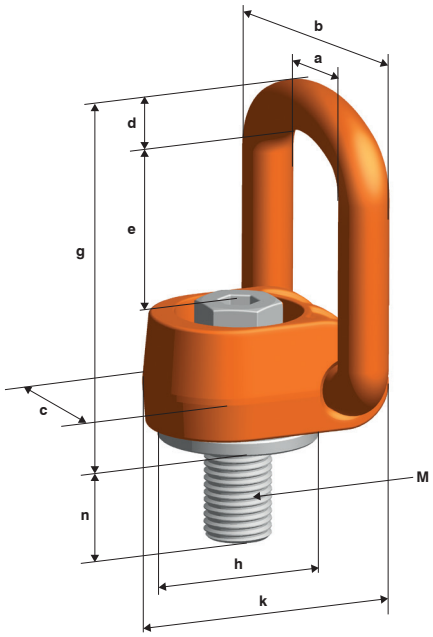
Permissible range of application (ring)



Non-permitted direction of pull



Non-permitted usage - resting against edges or loads

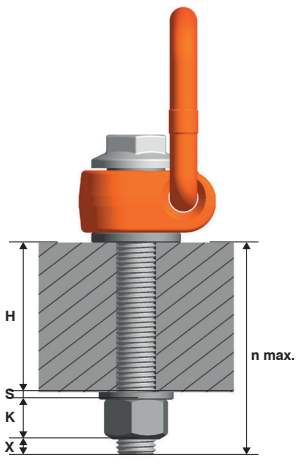


Please refer to the tables with technical data for all corresponding values

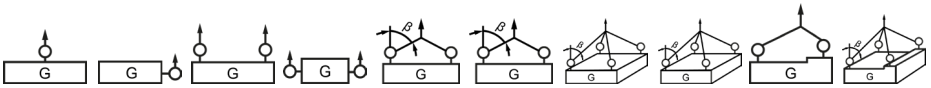
Calculating the required thread length (L):
L = H + S + K + X
H = Material height
S = Thickness of the washer
K = Height of the nut (depending on the thread size of the screw)
X = Excess length of the screw (twofold pitch of the screw)
L max. = n max.

In addition to the standard and maximum thread lengths, Pewag also offers cut-to-length thread lengths. Customised and maximum thread lengths are supplied with a washer and a crack-tested, corrosion-proofed screw nut.

For detailed information such as method of lifting, number of legs, angle of inclination etc., please refer to the tables with technical data.



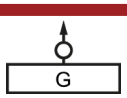
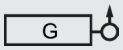
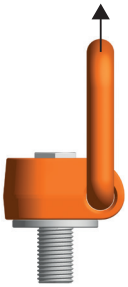
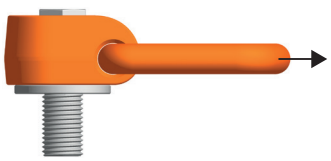
pewag PLAW Alpha

Method of lifting										
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]	Fastening torque [Nm]	Load capacity [kg]									
PLAW 0,3 t	M8	35	300	300	600	600	400	300	600	400	300	300
PLAW 0,63 t	M10	70	630	630	1,260	1,260	850	630	1,300	900	630	630
PLAW 1 t	M12	120	1,000	1,000	2,000	2,000	1,400	1,000	2,100	1,500	1,000	1,000
PLAW 1,5 t	M16	150	1,500	1,500	3,000	3,000	2,100	1,500	3,100	2,200	1,500	1,500
PLAW 2,5 t	M20	170	2,500	2,500	5,000	5,000	3,500	2,500	5,300	3,700	2,500	2,500
PLAW 4 t (/13)	M24	400	4,000	4,000	8,000	8,000	5,600	4,000	8,400	6,000	4,000	4,000
PLAW 6 t	M30	500	6,000	6,000	12,000	12,000	8,500	6,000	12,700	9,000	6,000	6,000
PLAW 7 t [1)]	M36	700	7,000	7,000	14,000	14,000	9,800	7,000	14,800	10,500	7,000	7,000
PLAW 8 t	M36	800	8,000	8,000	16,000	16,000	11,300	8,000	16,900	12,000	8,000	8,000
PLAW 10 t	M42	1,500	10,000	10,000	20,000	20,000	14,000	10,000	21,000	15,000	10,000	10,000
PLAW 15 t	M42	1,500	15,000	15,000	30,000	30,000	21,000	15,000	31,500	22,500	15,000	15,000
PLAW 20 t	M48	2,000	20,000	20,000	40,000	40,000	28,000	20,000	42,000	30,000	20,000	20,000

Code	Thread [inch]	Fastening torque [ft-lbs]	Load capacity [lbs]									
PLAW U3/8	3/8"-16	52	1,400	1,400	2,800	2,800	1,980	1,400	2,970	2,100	1,400	1,400
PLAW U1/2	1/2"-13	89	2,200	2,200	4,400	4,400	3,000	2,200	4,600	3,300	2,200	2,200
PLAW U5/8	5/8"-11	110	3,300	3,300	6,600	6,600	4,600	3,300	6,800	4,800	3,300	3,300
PLAW U3/4	3/4"-10	125	4,400	4,400	8,800	8,800	6,000	4,400	9,200	6,500	4,400	4,400
PLAW U1	1"-8	295	8,800	8,800	17,600	17,600	12,300	8,800	18,400	13,200	8,800	8,800
PLAW U1 1/4	1 1/4"-7	369	13,200	13,200	26,400	26,400	18,700	13,200	27,800	19,800	13,200	13,200
PLAW U1 1/2	1 1/2"-6	590	17,600	17,600	35,200	35,200	24,800	17,600	37,300	26,400	17,600	17,600
PLAW U1 3/4	1 3/4"-5	740	22,000	22,000	44,000	44,000	30,000	22,000	45,000	33,000	22,000	22,000

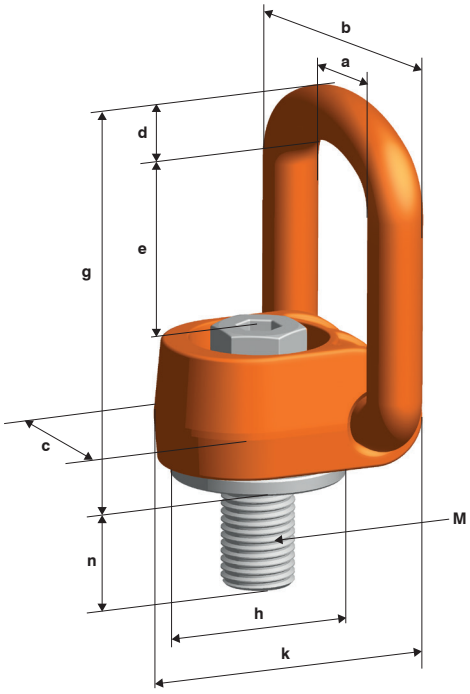
[1)] Available upon request only!
Safety factor 4
Important: Subject to technical changes!

Straight load direction 0° 	**Side load direction „allowed“ (ring aligned) 90°** 
	
Nominal load capacity in direction of screw axis (column „0°“ in load table)	Nominal load capacity perpendicular to screw axis (Column „90°“ in load table)

Code	Thread [mm]	Load capacity [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	g [mm]	h [mm]	k [mm]	n [mm]	n max [mm]	⬡ [mm]	⊂ [mm]	Weight [kg/pc.]
PLAW 0,3 t	M8	300	45	67	40	11	41	95	36	55	20	150	10	24	0.57
PLAW 0,63 t	M10	630	45	67	40	11	41	95	36	55	20	150	10	24	0.58
PLAW 1 t	M12	1,000	45	67	40	11	41	95	36	55	33	170	10	24	0.60
PLAW 1,5 t	M16	1,500	45	67	40	11	41	95	36	55	33	260	10	24	0.62
PLAW 2,5 t	M20	2,500	54	81	50	13	55	112	50	67	33	335	8	24	1.10
PLAW 4 t (/13)	M24	4,000	54	87	50	17	67	142	45	70	36	361	14	36	1.60
PLAW 6 t	M30	6,000	75	115	67	20	68	143	67	100	49	364	14	36	3.10
PLAW 7 t [1)]	M36	7,000	75	115	67	20	65	143	60	100	55	374	27	-	3.30
PLAW 8 t	M36	8,000	93	147	85	27	87	188	85	120	55	365	19	41	6.10
PLAW 10 t	M42	10,000	93	147	85	27	87	188	85	120	65	365	19	41	6.40
PLAW 15 t	M42	15,000	115	181	105	33	108	246	106	150	63	340	19	55	12.00
PLAW 20 t	M48	20,000	115	181	105	33	108	246	106	150	73	340	19	55	12.30

Code	Thread [inch]	Load capacity [lbs]	a [inch]	b [inch]	c [inch]	d [inch]	e [inch]	g [inch]	h [inch]	k [inch]	n [inch]	n max [inch]	⬡ [inch]	⊂ [inch]	Weight [lbs/pcs.]
PLAW U 3/8	3/8"-16	1,400	1.77	2.64	1.57	0.43	1.61	3.72	1.42	2.17	0.79	-	3/8"	15/16"	1.30
PLAW U 1/2	1/2"-13	2,200	1.77	2.64	1.57	0.43	1.61	3.72	1.42	2.17	1.30	-	3/8"	15/16"	1.32
PLAW U 5/8	5/8"-11	3,300	1.77	2.64	1.57	0.43	1.61	3.72	1.42	2.17	1.30	-	3/8"	15/16"	1.39
PLAW U 3/4	3/4"-10	4,400	2.13	3.19	1.97	0.51	2.24	4.21	1.97	2.64	1.30	-	9/16"	-	2.40
PLAW U 1	1"-8	8,800	2.95	4.53	2.64	0.79	2.68	5.63	2.64	3.94	1.42	-	3/4"	-	6.60
PLAW U 1 1/4	1 1/4"-7	13,200	2.95	4.53	2.64	0.79	2.68	5.63	2.64	3.94	1.93	-	7/8"	-	6.80
PLAW U 1 1/2	1 1/2"-6	17,600	3.66	5.79	3.35	1.06	3.43	7.40	3.35	4.72	2.09	-	1"	-	13.40
PLAW U 1 3/4	1 3/4"-5	22,000	3.66	5.79	3.35	1.06	3.43	7.40	3.35	4.72	2.44	-	1 1/4"	-	14.10

[1)] Available upon request only!
Safety factor 4
Important: Subject to technical changes!



pewag PLBW Beta

The PLBW is another lifting point that is 360° rotatable. The load ring is movable to an angle of 180° and can be positioned at any required angle due to its replaceable and patented spring. In the permitted applications, this lifting point offers a five-fold factor of safety.

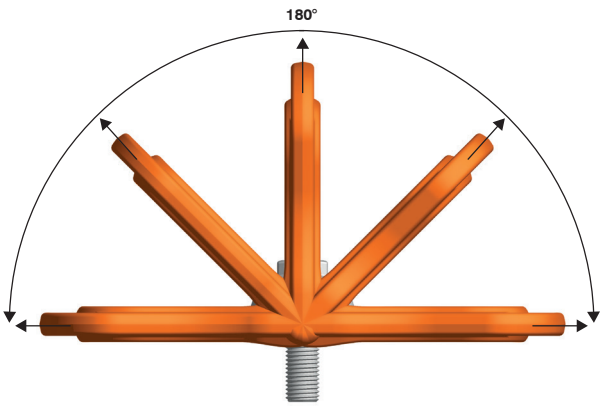
Thanks to the Pewag quality standard, each lifting point comes with an individual serial number. The lifting points are marked with the admissible load capacity for the most unfavourable application mode, allowing for an increased load capacity in the case of vertical loads.

The hexagonal special screw made from grade 10.9 material is also interchangeable and secured to prevent loss. The screw is 100% crack-tested as well as covered with a chromate VI-free protection against corrosion and marked with the load capacity and thread size. It can be tightened with a hexagon wrench or spanner wrench.

Pewag Winner Profilift Beta is available with metric or UNC-thread types. The versions with metric threads are also available with customised bolt lengths.

All load capacities, categorised by the method of lifting, number of legs and angle of inclination are contained in a table that forms an integral part of the operating manual included with each lifting point.

Also available with peTAG upon request.



Permitted directions of pull

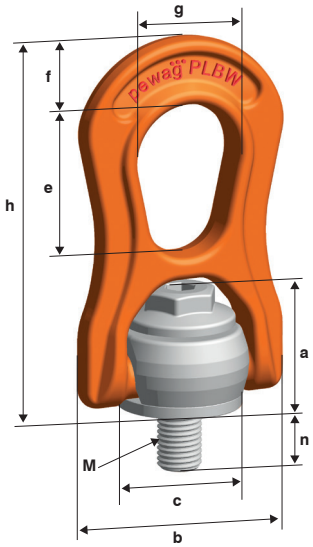
Permitted directions of pull

Permitted usage
For load capacities in the permitted directions of pull please refer to the load capacity table.

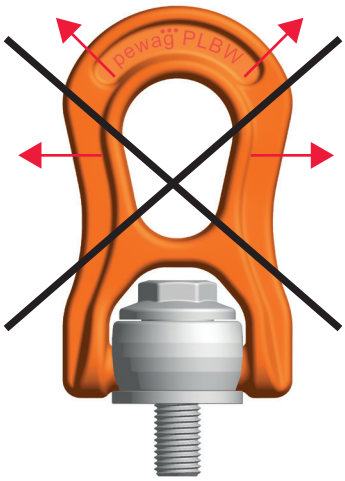
Non-permitted usage
During assembly, ensure that improper loading cannot arise due to any of the following factors:
- Direction of pull is obstructed
- Direction of pull is not within the indicated area
- Loading ring rests against edges or loads

The load ring must be placed in the direction of pull before loading – do not turn under load!

For additional details and information, please refer to the full operating manual on page 52.



Please refer to the tables with technical data for all corresponding values

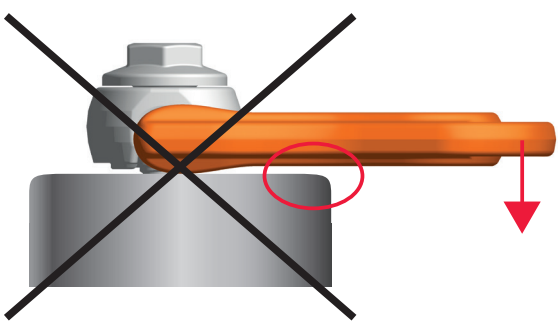


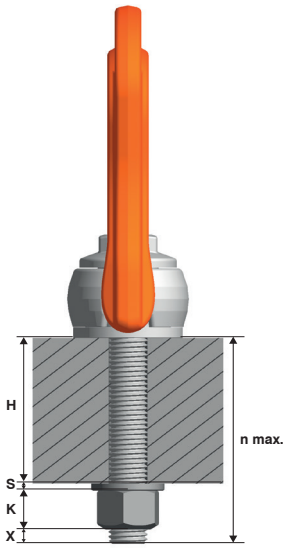
Non-permitted directions of pull

Calculating the required thread length (L):
L = H + S + K + X
H = Material height
S = Thickness of the washer
K = Height of the nut (depending on the thread size of the screw)
X = Excess length of the screw (twofold pitch of the screw)
L max. = n max.

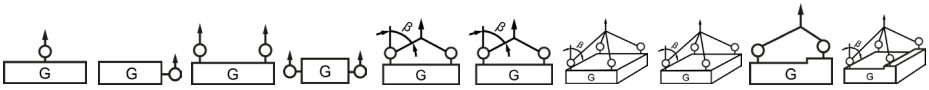
In addition to the standard and maximum thread lengths, Pewag also offers cut-to-length thread lengths. Customised and maximum thread lengths are supplied with a washer and a crack-tested, corrosion-proofed screw nut.

For detailed information such as method of lifting, number of legs, angle of inclination etc., please refer to the tables with technical data.



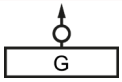
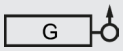
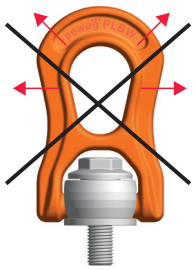


pewag PLBW Beta

Method of lifting										
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.

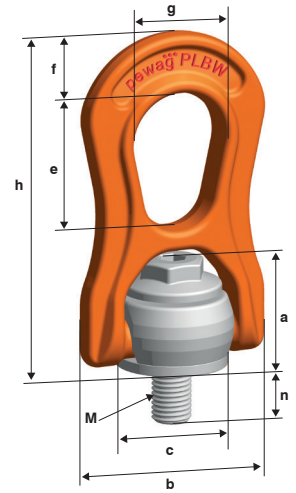
Code	Thread [mm]	Fastening torque [Nm]	Load capacity [kg]									
PLBW 0,3 t	M8	6	500	300	1,000	600	400	300	600	450	300	300
PLBW 0,6 t	M10	10	1,000	600	2,000	1,200	800	600	1,300	900	600	600
PLBW 1 t	M12	15	1,300	1,000	2,600	2,000	1,400	1,000	2,100	1,500	1,000	1,000
PLBW 1,3 t	M14	30	2,000	1,300	4,000	2,600	1,800	1,300	2,700	1,900	1,300	1,300
PLBW 1,6 t	M16	50	2,500	1,600	5,000	3,200	2,200	1,600	3,400	2,400	1,600	1,600
PLBW 2 t	M18	70	3,000	2,000	6,000	4,000	2,800	2,000	4,200	3,000	2,000	2,000
PLBW 2,5 t	M20	100	3,500	2,500	7,000	5,000	3,500	2,500	5,300	3,700	2,500	2,500
PLBW 3 t	M22	120	4,500	3,000	9,000	6,000	4,200	3,000	6,300	4,500	3,000	3,000
PLBW 4 t	M24	160	5,500	4,000	11,000	8,000	5,600	4,000	8,400	6,000	4,000	4,000
PLBW 5 t	M27	200	6,500	5,000	13,000	10,000	7,000	5,000	10,500	7,500	5,000	5,000
PLBW 6,3 t	M30	250	7,000	6,300	14,000	12,600	8,800	6,300	13,200	9,400	6,300	6,300
PLBW 8 t	M33	270	9,000	8,000	18,000	16,000	11,000	8,000	16,500	12,000	8,000	8,000
PLBW 10 t	M36	320	11,000	10,000	22,000	20,000	14,000	10,000	21,000	15,000	10,000	10,000
PLBW 12,5 t	M42	400	13,500	12,500	27,000	25,000	17,500	12,500	26,300	18,700	12,500	12,500
PLBW 15 t	M48	600	16,000	15,000	32,000	30,000	21,000	15,000	32,000	22,500	15,000	15,000

Code	Thread [inch]	Fastening torque [ft-lbs]	Load capacity [lbs]									
PLBW U5/16	5/16"-18	4.50	1,100	660	2,200	1,320	900	660	1,400	900	660	660
PLBW U 3/8	3/8"-16	7.50	2,200	1,300	4,400	2,600	1,800	1,300	2,700	1,900	1,300	1,300
PLBW U 1/2	1/2"-13	11	2,800	2,200	5,600	4,400	3,000	2,200	4,600	3,300	2,200	2,200
PLBW U 7/16	7/16"-14	11	2,800	2,200	5,600	4,400	3,000	2,200	4,600	3,300	2,200	2,200
PLBW U 9/16	9/16"-12	22	4,400	3,000	8,800	6,000	4,200	3,000	6,300	4,500	3,000	3,000
PLBW U 5/8	5/8"-11	37	5,500	3,500	11,000	7,000	4,900	3,500	7,300	5,200	3,500	3,500
PLBW U 3/4	3/4"-10	74	6,600	5,500	13,200	11,000	7,700	5,500	11,500	8,200	5,500	5,500
PLBW U 7/8	7/8"-9	118	12,000	8,800	24,000	17,600	12,300	8,800	18,500	13,200	8,800	8,800
PLBW U1	1"-8	148	13,000	11,000	26,000	22,000	15,400	11,000	23,000	16,500	11,000	11,000
PLBW U1 1/8	1 1/8"-7	185	14,300	13,500	28,600	27,000	18,900	13,500	28,300	20,200	13,500	13,500
PLBW U1 1/4	1 1/4"-7	200	19,800	17,500	39,600	35,000	24,500	17,500	36,700	26,200	17,500	17,500
PLBW U1 3/8	1 3/8"-6	236	24,000	22,000	48,000	44,000	30,800	22,000	46,200	33,000	22,000	22,000
PLBW U1 1/2	1 1/2"-6	295	25,000	24,000	50,000	48,000	33,600	24,000	50,400	36,000	24,000	24,000

Straight load direction 0° 	Side load direction „allowed“ (ring aligned) 90° 	Side load direction „not allowed“ (ring not aligned)
		
Higher load capacity in direction of screw axis (Column „0°“ in load table)	Nominal load capacity perpendicular to screw axis (Column „90°“ in load table)	Not allowed because of unstable condition. Ring could turn suddenly under load – high risk for load and/or people.

Code	Thread [mm]	Load capacity [kg]	a [mm]	b [mm]	c [mm]	e [mm]	f [mm]	g [mm]	h [mm]	n [mm]	n max [mm]	⬡ [mm]	⊂ [mm]	Weight [kg/pc.]
PLBW 0,3 t	M8	300	29	56	30	38	18	27	94	13	80	8	15	0.31
PLBW 0,6 t	M10	600	29	56	30	38	18	27	94	15	100	8	15	0.35
PLBW 1 t	M12	1,000	29	56	30	38	18	27	94	17	180	8	15	0.37
PLBW 1,3 t	M14	1,300	43	79	45	55	25	38	138	22	220	10	24	1.03
PLBW 1,6 t	M16	1,600	43	79	45	55	25	38	138	24	260	10	24	1.04
PLBW 2 t	M18	2,000	43	79	45	55	25	38	138	27	295	10	24	1.07
PLBW 2,5 t	M20	2,500	43	79	45	55	25	38	138	30	335	10	24	1.08
PLBW 3 t	M22	3,000	64	118	68	85	38	58	209	33	355	14	36	3.50
PLBW 4 t	M24	4,000	64	118	68	85	38	58	209	36	355	14	36	3.60
PLBW 5 t	M27	5,000	64	118	68	85	38	58	209	40	355	14	36	3.60
PLBW 6,3 t	M30	6,300	64	118	68	85	38	58	209	45	355	14	36	3.70
PLBW 8 t	M33	8,000	106	188	108	132	60	91	331	54	328	19	55	14.30
PLBW 10 t	M36	10,000	106	188	108	132	60	91	331	59	328	19	55	14.40
PLBW 12,5 t	M42	12,500	106	188	108	132	60	91	331	69	328	19	55	14.70
PLBW 15 t	M48	15,000	106	188	108	132	60	91	331	74	328	19	55	15.00

Code	Thread [inch]	Load capacity [lbs]	a [inch]	b [inch]	c [inch]	e [inch]	f [inch]	g [inch]	h [inch]	n [inch]	n max [inch]	⬡ [inch]	⊂ [inch]	Weight [lbs/pcs.]
PLBW U5/16	5/16"-18	660	1.14	2.20	1.18	1.50	0.71	1.06	3.70	0.51	-	5/16"	5/8"	0.71
PLBW U 3/8	3/8"-16	1,300	1.14	2.20	1.18	1.50	0.71	1.06	3.70	0.59	-	5/16"	5/8"	0.73
PLBW U 1/2	1/2"-13	2,200	1.14	2.20	1.18	1.50	0.71	1.06	3.70	0.67	-	5/16"	5/8"	0.77
PLBW U 7/16	7/16"-14	2,200	1.14	2.20	1.18	1.50	0.71	1.06	3.70	0.67	-	5/16"	5/8"	0.75
PLBW U 9/16	9/16"-12	3,000	1.69	3.11	1.77	2.17	0.98	1.50	5.43	0.87	-	5/16"	1"	2.27
PLBW U 5/8	5/8"-11	3,500	1.69	3.11	1.77	2.17	0.98	1.50	5.43	0.94	-	5/16"	1"	2.29
PLBW U 3/4	3/4"-10	5,500	1.69	3.11	1.77	2.17	0.98	1.50	5.43	1.18	-	5/16"	1"	2.38
PLBW U 7/8	7/8"-9	8,800	2.52	4.65	2.68	3.35	1.50	2.28	8.23	1.42	-	9/16"	1 3/8"	7.78
PLBW U1	1"-8	11,000	2.52	4.65	2.68	3.35	1.50	2.28	8.23	1.57	-	9/16"	1 3/8"	7.89
PLBW U1 1/8	1 1/8"-7	13,500	2.52	4.65	2.68	3.35	1.50	2.28	8.23	1.77	-	9/16"	1 3/8"	8.07
PLBW U1 1/4	1 1/4"-7	17,500	4.17	7.40	4.25	5.20	2.36	3.58	13.03	2.13	-	3/4"	2 3/16"	32.00
PLBW U1 3/8	1 3/8"-6	22,000	4.17	7.40	4.25	5.20	2.36	3.58	13.03	2.32	-	3/4"	2 3/16"	32.20
PLBW U1 1/2	1 1/2"-6	24,000	4.17	7.40	4.25	5.20	2.36	3.58	13.03	2.72	-	3/4"	2 3/16"	32.80



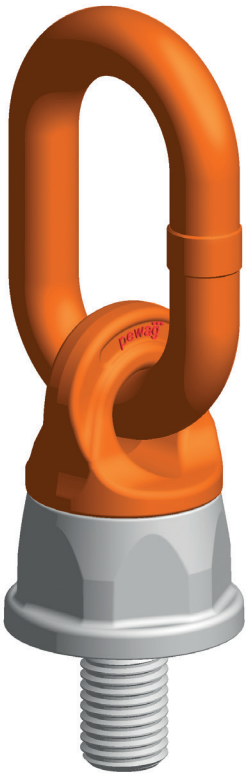
pewag PLDW Delta

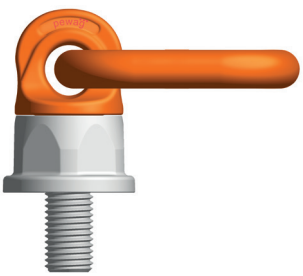
The PLDW lifting point comes fitted with a ball bearing and is rotatable by 360° even under load. The high-strength lifting eye is movable by 180°. The special screw is 100% crack-tested, protected against corrosion and marked with the load capacity and thread size.

In addition, each lifting point is marked with its own individual serial number. The high-strength lifting eye comes with a ring which is wide enough to accommodate larger hook sizes.

All load capacities, categorised by method of lifting, number of legs and angle of inclination are contained in a table that forms an integral part of the operating manual included with each lifting point. The Pewag Winner Profilift Delta lifting points are marked with the admissible load capacity for the most unfavourable application mode, allowing for an increased load capacity in case of vertical loads and four-fold factor of safety against break in all directions.

Also available with peTAG upon request.



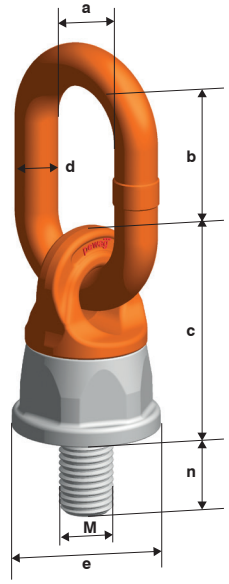


Permitted usage
For load capacities in the permitted directions of pull, please refer to the load capacity table.

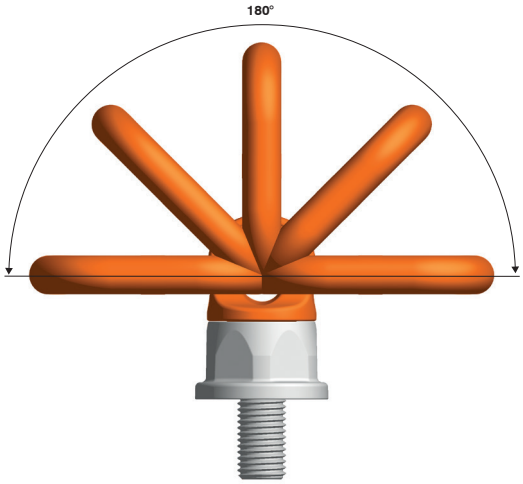
Non-permitted usage
During assembly, ensure that improper loading cannot arise due to any of the following factors:
- Direction of pull is obstructed
- Direction of pull is not within the indicated area
- Loading ring rests against edges or loads

Despite the upper part being fitted with a ball bearing and being rotatable 360°, before use, you should adjust the ring in the correct direction of tension (fig. Permitted directions of pull). This applies in particular when lifting with multi leg slings. With a non-aligned ring (fig. Non-permitted directions of pull), the ring holder could turn suddenly under load creating a potential risk for the load and/or people.

The full operating manual contains further details and information on safe usage. Please refer to page 52.



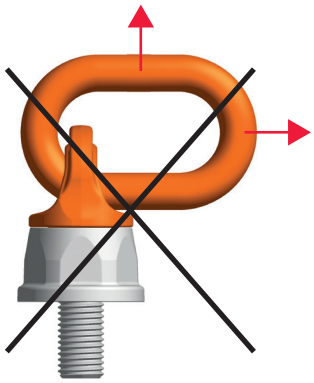
Please refer to the tables with technical data for all corresponding values



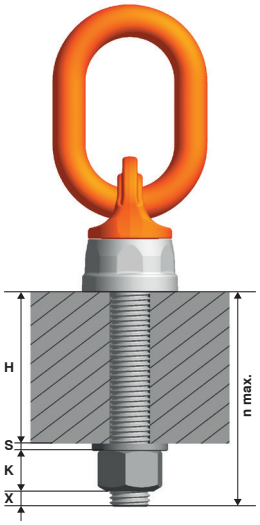
Permitted directions of pull

Calculating the required thread length (L):
L = H + S + K + X
H = Material height
S = Thickness of the washer
K = Height of the nut (depending on the thread size of the screw)
X = Excess length of the screw (twofold pitch of the screw)
L max. = n max.

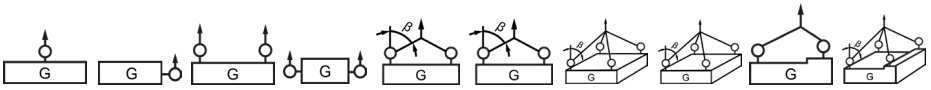
In addition to the standard and maximum thread lengths, Pewag also offers cut-to-length thread lengths. Customised and maximum thread lengths are supplied with a washer and a crack-tested, corrosion-proofed screw nut.



Non-permitted directions of pull



pewag PLDW Delta

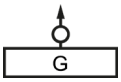
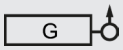
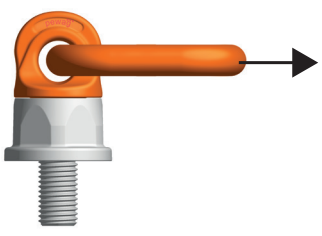
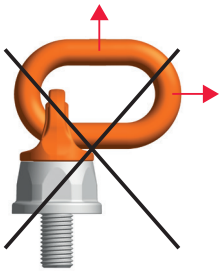


Method of lifting	1	1	2	2	2	2	3+4	3+4	2	3+4
Number of legs	1	1	2	2	2	2	3+4	3+4	2	3+4
Angle of inclination	0°	90°	0°	90°	0-45°	45°-60°	0°-45°	45°-60°	asymm.	asymm.

Code	Thread [mm]	Fastening torque [Nm]	Load capacity [kg]									
PLDW 0,3 t	M8	10	600	300	1,200	600	400	300	600	400	300	300
PLDW 0,5 t	M10	10	1,200	500	2,400	1,000	700	500	1,000	750	500	500
PLDW 0,7 t	M12	15	1,800	700	3,600	1,400	950	700	1,400	1,000	700	700
PLDW 1 t	M14	25	2,400	1,000	4,800	2,000	1,400	1,000	2,100	1,500	1,000	1,000
PLDW 1,5 t	M16	30	2,800	1,500	5,600	3,000	2,100	1,500	3,100	2,100	1,500	1,500
PLDW 2,5 t	M20	80	5,000	2,500	10,000	5,000	3,500	2,500	5,300	3,500	2,500	2,500
PLDW 4 t	M24	150	7,000	4,000	14,000	8,000	5,500	4,000	8,400	6,000	4,000	4,000
PLDW 6,7 t	M30	230	10,000	6,700	20,000	13,400	9,400	6,700	14,200	10,000	6,700	6,700
PLDW 8 t	M36	450	12,500	8,000	25,000	16,000	11,200	8,000	16,800	12,000	8,000	8,000
PLDW 10 t	M42	600	16,000	10,000	32,000	20,000	14,000	10,000	21,000	15,000	10,000	10,000
PLDW 12 t	M45	600	16,000	12,000	32,000	24,000	16,900	12,000	25,400	18,000	12,000	12,000
PLDW 12,5 t	M48	600	16,000	12,500	32,000	25,000	17,500	12,500	26,200	18,000	12,500	12,500
PLDW 24 t	M56	800	28,000	24,000	56,000	48,000	33,900	24,000	50,900	36,000	24,000	24,000
PLDW 25 t	M64	800	28,000	25,000	56,000	50,000	35,300	25,000	53,000	37,500	25,000	25,000
PLDW 40 t	M72	1,200	60,000	40,000	120,000	80,000	56,500	40,000	84,800	60,000	40,000	40,000
PLDW 45 t	M80	1,400	60,000	45,000	120,000	90,000	63,600	45,000	95,400	67,500	45,000	45,000
PLDW M90 - 55 t	M90	1,500	60,000	55,000	120,000	110,000	77,700	55,000	116,600	82,500	55,000	55,000
PLDW M100 - 55 t	M100	1,600	60,000	55,000	120,000	110,000	77,700	55,000	116,600	82,500	55,000	55,000

Code	Thread [inch]	Fastening torque [ft-lbs]	Load capacity [lbs]									
PLDW U 3/8	3/8"-16	7.50	2,640	1,100	5,290	2,200	1,550	1,100	2,330	1,650	1,100	1,100
PLDW U 1/2	1/2"-13	11	3,900	1,500	7,900	3,000	2,100	1,500	3,200	2,300	1,500	1,500
PLDW U 5/8	5/8"-11	22	6,100	3,300	12,300	6,600	4,600	3,300	7,000	4,900	3,300	3,300
PLDW U 3/4	3/4"-10	60	8,800	4,400	17,600	8,800	6,200	4,400	9,300	6,600	4,400	4,400
PLDW U 1	1"-8	110	15,400	8,800	30,800	17,600	12,400	8,800	18,700	13,200	8,800	8,800
PLDW U 1 1/4	1 1/4"-7	170	22,000	14,700	44,000	29,500	20,800	14,700	31,300	22,100	14,700	14,700
PLDW U 1 1/2	1 1/2"-6	330	27,500	17,600	55,100	35,200	24,600	17,600	37,400	26,400	17,600	17,600
PLDW U 1 3/4	1 3/4"-5	440	35,200	22,000	70,500	44,000	31,100	22,000	46,700	33,000	22,000	22,000
PLDW U 2	2"-4.5	440	35,200	27,500	70,500	55,100	38,900	27,500	58,400	41,300	27,500	27,500
PLDW U 2 1/2	2 1/2"-4	600	61,700	39,600	123,400	79,300	56,100	39,600	84,100	59,500	39,600	39,600

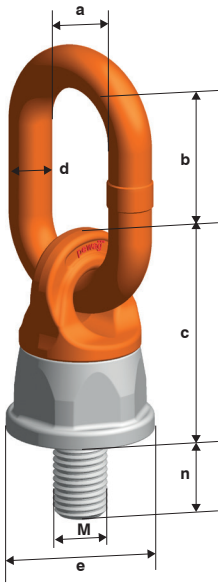
Safety factor 4
Important: Subject to technical changes!

Straight load direction 0° 	**Side load direction „allowed“ (ring aligned) 90°** 	**Side load direction „not allowed“ (ring not aligned)**
		
Higher load capacity in direction of screw axis (Column „0°“ in load table)	Nominal load capacity perpendicular to screw axis (Column „90°“ in load table)	Not allowed because of unstable condition. Ring could turn suddenly under load – high risk for load and/or people.

Code	Thread [mm]	Load capacity [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	n [mm]	n max [mm]	⊂ [mm]	Weight [kg/pc.]
PLDW 0,3 t	M8	300	30	38	54	13	38	20	100	34	0.45
PLDW 0,5 t	M10	500	30	38	54	13	38	20	180	34	0.45
PLDW 0,7 t	M12	700	35	48	54	13	38	22	200	34	0.48
PLDW 1 t	M14	1,000	35	48	54	13	38	22	200	34	0.49
PLDW 1,5 t	M16	1,500	35	48	54	13	38	33	250	34	0.51
PLDW 2,5 t	M20	2,500	35	55	75	16	55	33	250	46	1.10
PLDW 4 t	M24	4,000	40	66	82	17	63	40	300	50	1.50
PLDW 6,7 t	M30	6,700	50	70	92	23	72	40	300	60	2.60
PLDW 8 t	M36	8,000	50	91	120	23	92	55	300	75	4.30
PLDW 10 t	M42	10,000	65	91	120	27	92	60	300	75	5.10
PLDW 12 t	M45	12,000	65	91	120	27	92	68	-	75	5.20
PLDW 12,5 t	M48	12,500	65	116	120	27	92	68	300	75	5.40
PLDW 24 t	M56	24,000	70	105	154	33	110	84	300	95	10.20
PLDW 25 t	M64	25,000	70	105	154	33	110	96	300	95	11.00
PLDW 40 t	M72	40,000	90	130	213	45	170	110	500	145	29.00
PLDW 45 t	M80	45,000	90	130	213	45	170	120	500	145	30.00
PLDW M90 - 55 t	M90	55,000	90	130	213	45	170	135	500	145	32.00
PLDW M100 - 55 t	M100	55,000	90	130	213	45	170	150	500	145	35.00

Code	Thread [inch]	Load capacity [lbs]	a [inch]	b [inch]	c [inch]	d [inch]	e [inch]	n [inch]	n max [inch]	⊂ [inch]	Weight [lbs/pcs.]
PLDW U 3/8	3/8"-16	1,100	1.18	1.50	2.13	0.51	1.50	0.59	-	1.34	1.00
PLDW U 1/2	1/2"-13	1,500	1.38	1.89	2.13	0.51	1.50	0.79	-	1.34	1.06
PLDW U 5/8	5/8"-11	3,300	1.38	1.89	2.13	0.51	1.50	0.98	-	1.34	1.10
PLDW U 3/4	3/4"-10	4,400	1.38	2.17	2.95	0.63	2.17	1.18	-	1.81	2.43
PLDW U 1	1"-8	8,800	1.57	2.60	3.23	0.67	2.48	1.57	-	1.97	3.30
PLDW U 1 1/4	1 1/4"-7	14,700	1.97	2.76	3.62	0.91	2.83	1.77	-	2.36	5.70
PLDW U 1 1/2	1 1/2"-6	17,600	1.97	3.58	4.72	0.91	3.62	2.17	-	2.95	9.50
PLDW U 1 3/4	1 3/4"-5	22,000	2.56	3.58	4.72	1.06	3.62	2.36	-	2.95	11.20
PLDW U 2	2"-4.5	27,500	2.56	4.57	4.72	1.06	3.62	2.68	-	2.95	11.90
PLDW U 2 1/2	2 1/2"-4	39,600	2.76	4.13	6.06	1.30	4.33	3.78	-	3.74	22.40

Safety factor 4
Important: Subject to technical changes!



pewag PLGW Eyebolt

The PLGW lifting point was developed and manufactured according to the very latest standards earning it the deserved name: Pewag Winner Profilift Gamma ‘Supreme’.

This lifting point can be very simply tightened by hand, then aligned in the load direction – a system that is ideally suited for frequent assembly/disassembly applications.

However, if the lifting point is to be utilised in a more permanent application and / or is subject to vibrations during use, the torque settings in the load table must be observed.

This patented system has proven itself from the beginning and promises unsurpassed ease of use.

The eyebolt is 360° rotatable, comes with an interchangeable special screw that is 100% crack-tested as well as chrome VI-free finish-protection against corrosion and is marked with the load capacity and the thread size. An integrated sleeve protects the surface of the load. With the batch number displayed on all load-bearing parts, such as the eye and screw, in addition to the serial number, it makes identification and traceability for mandatory regular inspections easier than ever.

PLGW supreme: tool-free assembly and disassembly
Latch in position 1: Latch is not in contact with the screw (fig. 1)
- The latch is held open with a patented spring
- The eyebolt is rotatable

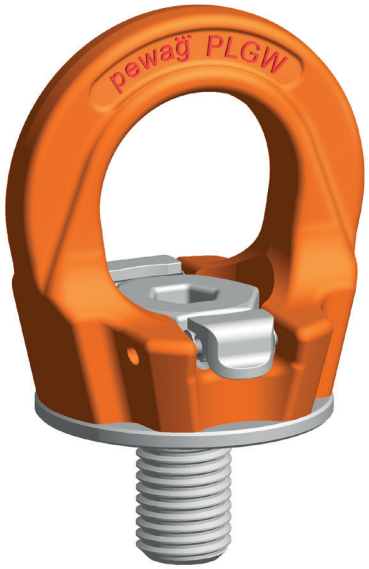
Latch in position 2: Latch is in contact with the screw (fig. 2)
- The latch is held in place with a patented spring
- The eyebolt is not rotatable, i.e. the fastening torque is transmitted to the screw and thus the eyebolt can be mounted and removed

PLGW basic:
A simplified alternative is the Pewag PLGW Pewag Winner Profilift Gamma basic. Offering the same benefits as the Pewag PLGW supreme in terms of measurement, load capacity and application, the Pewag PLGW basic differs only when it comes to assembly.

This lifting point can be mounted hand tight using a standard Allen key then aligned in the load direction.

However, if the lifting point is to be utilised in a more permanent application the torque settings in the load table must be observed.

For lifting point sizes M8-M20 use the special Allen key sold seperately (fig. Special Allen key on page 23).



PLGW supreme rotatable

fig. 1 - latches open for free rotation

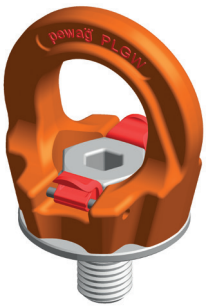


fig. 2 - latches closed for tool free mounting / removal

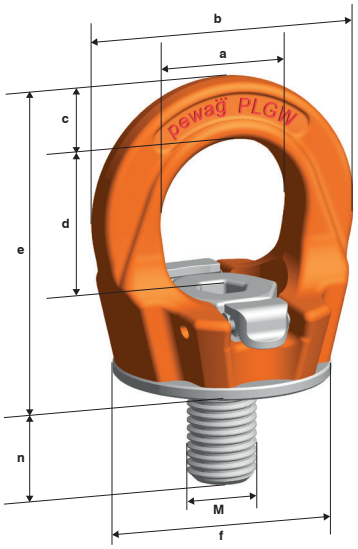
PLGW basic

Permitted usage
For load capacities in the permitted directions of pull, please refer to the load capacity table. Adjust the lifting point in the permitted load direction before loading.
- Loadable with a 4-fold safety factor under break in all directions

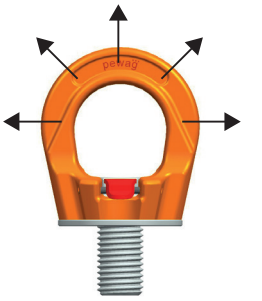
Non-permitted usage
During assembly, ensure that improper loading cannot arise due to any of the following factors:
- Direction of pull is obstructed
- Direction of pull is not within the indicated area
- Loading ring rests against edges or loads
- Assembly with additional tools (e.g. extension) is not permitted

The load ring must be placed in the direction of pull before loading – do not turn under load!

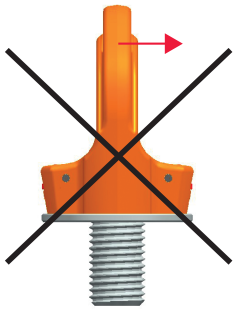
For additional details and information, please refer to the full operating manual on page 52.



Please refer to the tables with technical data for all corresponding values



Permitted directions of pull

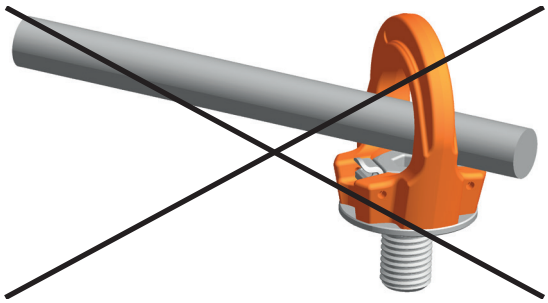


Non-permitted directions of pull

Calculating the required thread length (L):
L = H + S + K + X
H = Material height
S = Thickness of the washer
K = Height of the nut (depending on the thread size of the screw)
X = Excess length of the screw (twofold pitch of the screw)
L max. = n max.

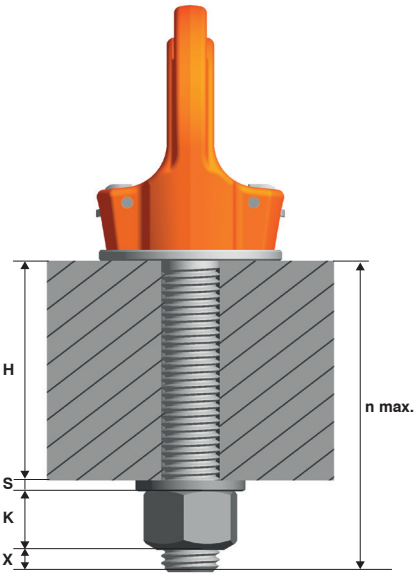
In addition to the standard and maximum thread lengths, Pewag also offers cut-to-length thread lengths.
Customised and maximum thread lengths are supplied with a washer and a crack-tested, corrosion-proofed screw nut.
Each lifting point comes with an individual serial number.
Also available with peTAG upon request.

For detailed information such as method of lifting, number of legs, angle of inclination etc., please refer to the tables with the technical data.

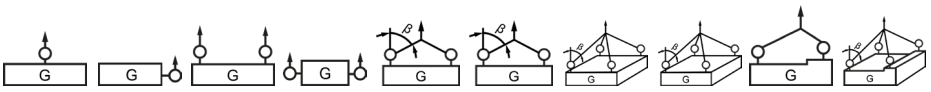


No additional tools permitted

Special Allen key



pewag PLGW Eyebolt



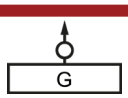
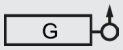
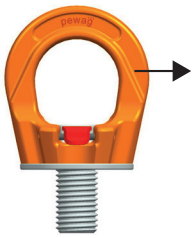
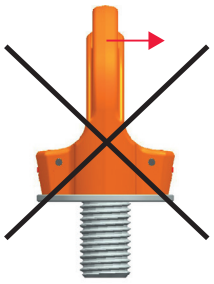
Method of lifting	1	1	2	2	2	2	3+4	3+4	2	3+4
Number of legs	1	1	2	2	2	2	3+4	3+4	2	3+4
Angle of inclination	0°	90°	0°	90°	0-45°	45°-60°	0°-45°	45°-60°	asymm.	asymm.

Code	Thread [mm]	Fastening torque [Nm]*	Load capacity [kg]									
PLGW 0,3 t	M8	10	1,000	300	2,000	600	420	300	630	450	300	300
PLGW 0,5 t	M10	15	1,500	500	3,000	1,000	700	500	1,060	750	500	500
PLGW 0,7 t	M12	20	2,000	700	4,000	1,400	980	700	1,480	1,050	700	700
PLGW 1,5 t	M16	50	4,000	1,500	8,000	3,000	2,100	1,500	3,180	2,200	1,500	1,500
PLGW 2,3 t	M20	100	5,000	2,300	10,000	4,600	3,200	2,300	4,800	3,400	2,300	2,300
PLGW 3,2 t	M24	170	6,500	3,200	13,000	6,400	4,500	3,200	6,700	4,800	3,200	3,200
PLGW 4,9 t	M30	300	12,000	4,900	24,000	9,800	6,900	4,900	10,300	7,300	4,900	4,900
PLGW 7 t	M36	400	15,000	7,000	30,000	14,000	9,800	7,000	14,800	10,500	7,000	7,000
PLGW 9 t	M42	700	22,000	9,000	44,000	18,000	12,600	9,000	19,000	13,500	9,000	9,000
PLGW 12 t	M48	1200	30,000	12,000	60,000	24,000	16,900	12,000	25,400	18,000	12,000	12,000

Code	Thread [inch]	Fastening torque [ft-lbs]*	Load capacity [lbs]									
PLGW U 3/8	3/8"-16	11	2,400	1,100	4,800	2,200	1,500	1,100	2,200	1,500	1,100	1,100
PLGW U 1/2	1/2"-13	15	4,400	1,500	8,800	3,000	2,200	1,500	3,000	2,200	1,500	1,500
PLGW U 5/8	5/8"-11	37	8,800	3,300	17,600	6,600	4,600	3,300	6,600	4,800	3,300	3,300
PLGW U 3/4	3/4"-10	74	9,900	4,400	19,800	8,800	6,100	4,400	9,200	6,600	4,400	4,400
PLGW U 1	1"-8	125	11,000	6,600	22,000	13,200	9,200	6,600	13,600	9,900	6,600	6,600
PLGW U 1 1/4	1 1/4"-7	220	22,000	8,800	44,000	17,600	12,300	8,800	18,000	13,200	8,800	8,800
PLGW U 1 1/2	1 1/2"-6	295	33,000	15,400	66,000	30,800	21,500	15,400	32,300	23,100	15,400	15,400
PLGW U 1 3/4	1 3/4"-5	515	40,000	19,800	80,000	39,600	27,700	19,800	41,500	29,700	19,800	19,800

Safety factor 4
Important: Subject to technical changes!

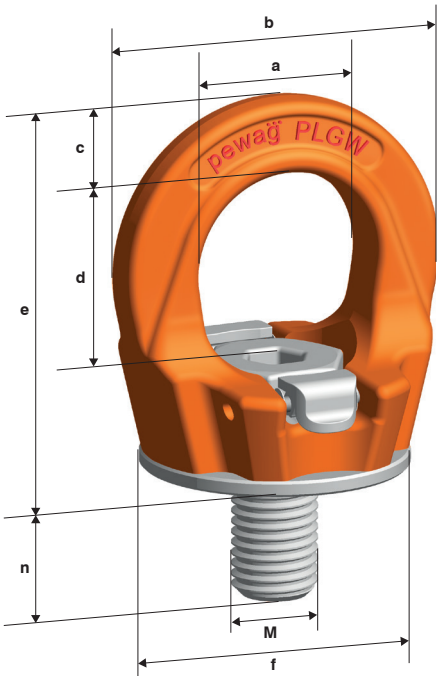
* PLGW lifting points can be fitted 'hand tight' in applications where frequent mounting and removal is necessary.
For more permanent applications the fastening torque shown in the table above must be observed.

Straight load direction 0° 	**Side load direction „allowed“ (ring aligned) 90°** 	**Side load direction „not allowed“ (ring not aligned)**
		
Higher load capacity in direction of screw axis (Column „0°“ in load table)	Nominal load capacity perpendicular to screw axis (Column „90°“ in load table)	Not allowed because of unstable condition. Ring could turn suddenly under load – high risk for load and/or people.

Code	Thread [mm]	Load capacity [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	f [mm]	n [mm]	n max [mm]	⬡ [mm]	Weight [kg/pc.]
PLGW 0,3 t	M8	300	25	45	10	27	53	35	15	90	6	0.20
PLGW 0,5 t	M10	500	25	45	10	27	53	35	15	160	6	0.21
PLGW 0,7 t	M12	700	30	55	12	32	63	43	20	160	8	0.32
PLGW 1,5 t	M16	1,500	35	64	14	36	70	50	25	160	10	0.48
PLGW 2,3 t	M20	2,300	40	73	16	41	81	54	30	160	12	0.58
PLGW 3,2 t	M24	3,200	50	86	18	50	93	69	35	-	14	1.10
PLGW 4,9 t	M30	4,900	60	110	25	60	114	90	45	-	17	2.20
PLGW 7 t	M36	7,000	70	132	31	70	136	108	55	-	19	3.80
PLGW 9 t	M42	9,000	80	152	36	72	153	126	65	-	22	5.70
PLGW 12 t	M48	12,000	95	179	42	88	179	148	75	-	24	8.90

Code	Thread [inch]	Load capacity [lbs]	a [inch]	b [inch]	c [inch]	d [inch]	e [inch]	f [inch]	n [inch]	n max [inch]	⬡ [inch]	Weight [lbs/pc.]
PLGW U 3/8	3/8"-16	1,100	0.98	1.77	0.39	1.06	2.09	1.38	0.59	-	1/4"	0.44
PLGW U 1/2	1/2"-13	1,500	1.18	2.17	0.47	1.26	2.48	1.69	0.79	-	5/16"	0.71
PLGW U 5/8	5/8"-11	3,300	1.38	2.52	0.55	1.42	2.76	1.97	0.98	-	3/8"	0.99
PLGW U 3/4	3/4"-10	4,400	1.57	2.87	0.63	1.61	3.19	2.13	1.18	-	1/2"	1.28
PLGW U 1	1"-8	6,600	1.97	3.39	0.71	1.97	3.66	2.72	1.38	-	9/16"	2.43
PLGW U 1 1/4	1 1/4"-7	8,800	2.36	4.33	0.98	2.36	4.49	3.54	1.77	-	5/8"	4.63
PLGW U 1 1/2	1 1/2"-6	15,400	2.76	5.20	1.22	2.76	5.35	4.25	2.17	-	7/8"	8.38
PLGW U 1 3/4	1 3/4"-5	19,800	3.15	5.98	1.42	2.83	6.02	4.96	2.56	-	1"	12.57

Safety factor 4
Important: Subject to technical changes!



pewag PLGW-SN Supreme Screw Nut

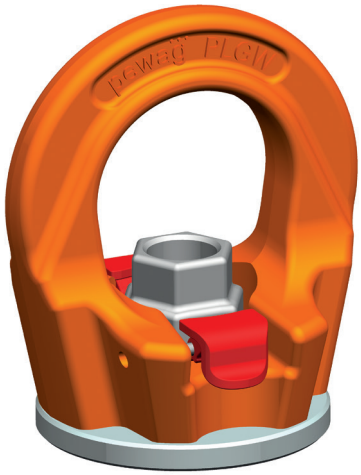
This screw nut works on the principle of tool-free assembly, which makes it unique worldwide. It takes the successful Pewag PLGW supreme eyebolt one step further and is used on loads that come with a threaded bolt instead of a thread.

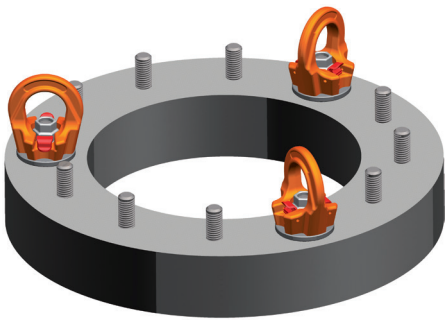
Alternatively, the PLGW-SN supreme lifting point may be attached in a through hole using a standard screw, which has the additional advantage of being able to use the same lifting point with different material thicknesses. This method requires just crack-tested screws (strength category 10.9) of different lengths.

For additional details and information, please refer to the full operating manual.

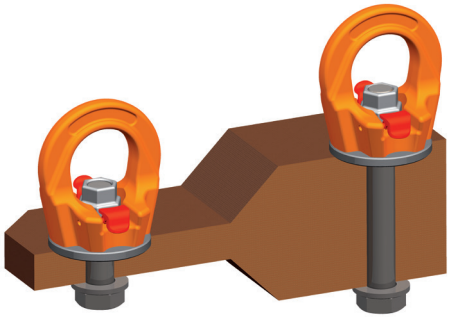
Further benefits of the PLGW-SN Pewag Winner Profilift Gamma Supreme:

- No tools are required for assembly or disassembly
- Saves time, especially if frequent assembly/disassembly takes place
- The lifting point is rotatable (may be set in the load direction) and loadable in all directions





Existing threaded bolts

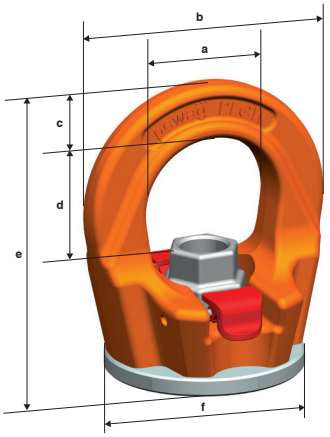


Different material thicknesses

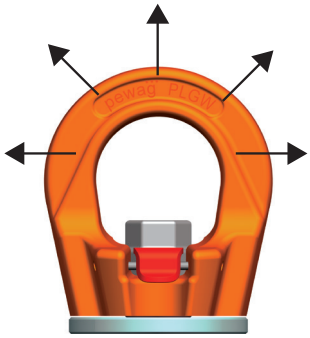
Permitted usage
For load capacities in the permitted directions of pull, please refer to the load capacity table. Adjust the lifting point in the permitted load direction before loading.
- Loadable with a 4-fold safety factor under break in all directions

Non-permitted usage
During assembly, ensure that improper loading cannot arise due to any of the following factors:
- Direction of pull is obstructed
- Direction of pull is not within the indicated area
- Loading ring rests against edges or loads

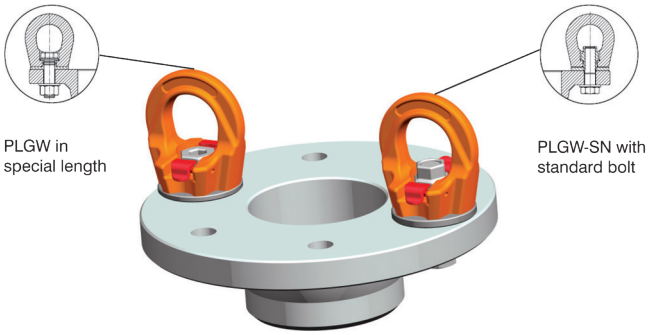
Each lifting point comes with an individual serial number.
Also available with peTAG upon request.



Please refer to the tables with technical data for all corresponding values



Permitted directions of pull



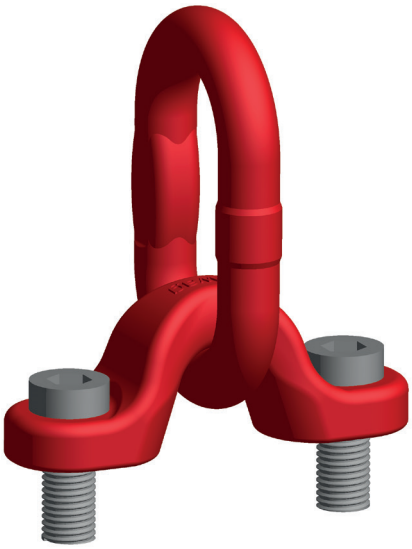
Use of PLGW or PLGW-SN

Method of lifting											
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]	Load capacity [kg]									
PLGW-SN 0.3 t	M8	1,000	300	2,000	600	400	300	600	400	300	300
PLGW-SN 0.5 t	M10	1,500	500	3,000	1,000	700	500	1,000	700	500	500
PLGW-SN 0.7 t	M12	2,000	700	4,000	1,400	1,000	700	1,400	1,000	700	700
PLGW-SN 1.5 t	M16	4,000	1,500	8,000	3,000	2,100	1,500	3,000	2,200	1,500	1,500
PLGW-SN 2.3 t	M20	5,000	2,300	10,000	4,600	3,200	2,300	4,800	3,400	2,300	2,300
PLGW-SN 3.5 t	M24	6,500	3,500	13,000	7,000	4,900	3,500	7,400	5,200	3,500	3,500
PLGW-SN 4.9 t	M30	12,000	4,900	24,000	9,000	6,900	4,900	10,300	7,300	4,900	4,900

Code	Thread [mm]	Load capacity [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	f [mm]	⬡ [mm]	Weight [kg/pc.]
PLGW-SN 0,3 t	M8	300	25	45	10	21	55	35	12	0.17
PLGW-SN 0,5 t	M10	500	25	45	10	21	55	35	12	0.17
PLGW-SN 0,7 t	M12	700	30	55	12	25	65	43	14	0.28
PLGW-SN 1,5 t	M16	1,500	35	64	14	29	72	50	19	0.42
PLGW-SN 2,3 t	M20	2,300	40	73	16	34	82	54	22	0.50
PLGW-SN 3,5 t	M24	3,500	50	86	18	40	95	69	27	1.00
PLGW-SN 4,9 t	M30	4,900	60	110	25	47	115	90	36	1.90

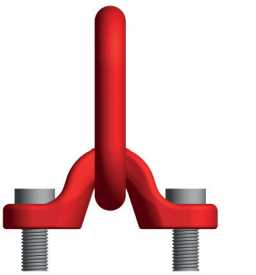
pewag AOR Lashing Point

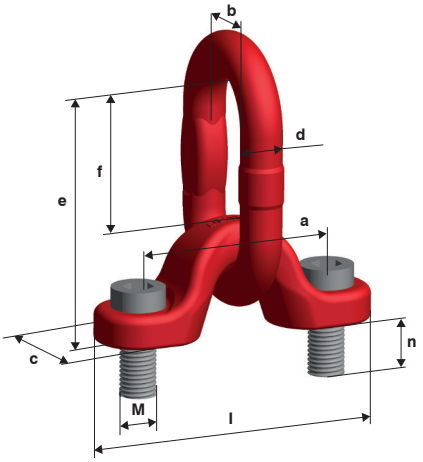


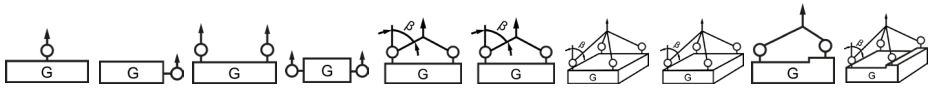
When it comes to reliability, this lashing point won't be beaten. It is perfect for mounting to machine parts or vehicle bodies as well as for the hanging of lifting and lashing gear.

Permitted usage
Please refer to the load capacity as stated in the inspection certificate and/or the load capacity table to ensure maximum safety for permitted applications.

Non-permitted usage
During assembly, ensure that improper loading cannot arise due to any of the following factors:
- Direction of pull is obstructed
- Direction of pull is not within the indicated area
- Loading ring rests against edges or loads







Method of lifting	1	1	2	2	2	2	3+4	3+4	2	3+4
Number of legs	0°	90°	0°	90°	0-45°	45°-60°	0°-45°	45°-60°	asymm.	asymm.

Code	Thread [mm]	Fastening torque [Nm]	Load capacity [kg]									
AOR 10	M16	170	3,150	3,150	6,300	6,300	4,250	3,150	6,700	4,750	3,150	3,150
AOR 13	M20	350	5,300	5,300	10,600	10,600	7,500	5,300	11,200	8,000	5,300	5,300
AOR 16	M30	950	8,000	8,000	16,000	16,000	11,200	8,000	17,000	11,800	8,000	8,000
AOR 22	M36	1,900	15,000	15,000	30,000	30,000	21,200	15,000	31,500	22,400	15,000	15,000
AOR 26 [1]	M42	2,100	21,200	21,200	42,400	42,400	30,000	21,200	45,000	31,500	21,200	21,200
AOR 28 [1]	M45	2,400	25,000	25,000	50,000	50,000	33,500	25,000	50,000	37,500	25,000	25,000
AOR 32 [1]	M56	3,200	31,500	31,500	63,000	63,000	45,000	31,500	67,000	47,500	31,500	31,500
AOR 34 [1]	M56	3,200	36,000	36,000	72,000	72,000	50,000	36,000	75,000	53,000	36,000	36,000

Code	Thread [mm]	Load capacity [kg]	For chain-diameter	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	f [mm]	l [mm]	n [mm]	Weight [kg/pc.]
AOR 10	M16	3,150	10	90	40	38	18	112	57	130	25	1.41
AOR 13	M20	5,300	13	115	50	48	22	149	79	165	36	2.83
AOR 16	M30	8,000	16	150	65	62	26	183	93	212	50	5.78
AOR 22	M36	15,000	22	175	75	72	36	226	114	255	54	10.90
AOR 26 [1]	M42	21,200	26	200	95	90	45	272	142	295	67	19.30
AOR 28 [1]	M45	25,000	28	200	95	90	45	272	142	295	67	20.20
AOR 32 [1]	M56	31,500	32	230	110	100	48	336	193	330	88	31.70
AOR 34 [1]	M56	36,000	34	230	110	100	48	336	193	330	88	31.70

[1] Not a stock item
Important: Subject to technical changes!

pewag RGS Eyebolt

This high-strength RGS eyebolt is ideal for lifting machine parts. Eyebolts may only be tightened manually and are not suitable for diagonal pull. RGS eyebolts cannot be beaten when it comes to quality and reliability.

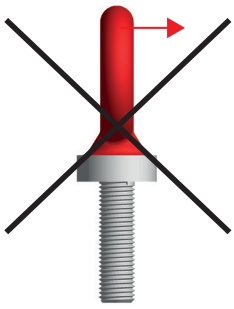
Permitted usage
For load capacities in the permitted directions of pull (vertical load only - fig.: Permitted usage) please refer to the load capacity table.

Non-permitted usage
During assembly, ensure that improper loading cannot arise due to any of the following factors:
- Direction of pull is obstructed
- Direction of pull is not within the indicated area (fig.: Non-permitted usage)

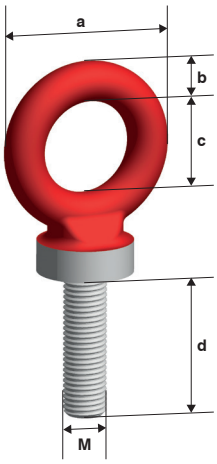
Please note that the RGS eyebolt may only be placed under load in a straight axis in line with the direction of pull! For other methods of lifting involving angles please see the screwable eyebolts PLGW or screwable lifting points PLAW, PLBW or PLDW.

For additional details and information, please refer to the full operating manual on page 52.

Permitted usage



Non-permitted usage



Code	Thread [mm]	Load capacity [kg]	a [mm]	b [mm]	c [mm]	d [mm]	Weight [kg/pc.]
RGS 8	M8	400	34	7	20	24	0.05
RGS 10	M10	700	38	8	22	30	0.10
RGS 12	M12	1,000	47	10	26	36	0.14
RGS 14	M14	1,200	57	14	29	40	0.25
RGS 16	M16	1,500	65	14	35	55	0.36
RGS 18	M18	2,000	65	14	35	54	0.38
RGS 20	M20	2,500	73	16	39	59	0.55
RGS 22	M22	3,000	82	19	44	64	0.74
RGS 24	M24	4,000	95	20	54	84	1.12

Safety factor 4
Additional size available upon request!
Important: Subject to technical changes!

State-of-the-art technology for benefits that carry plenty of weight

Our experience goes back centuries, and throughout our history, Pewag has worked on the basis of three principles: progression, innovation and reliability – in short, the factors that are reflected in every single one of our products.

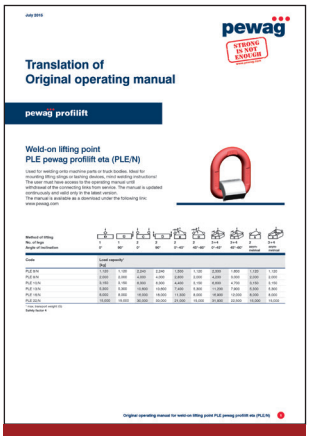
Pewag lifting points are products that stand out for their excellent compatibility with the globally successful Pewag lifting chain programme which makes them even more versatile and flexible. Guaranteed ease of use when it comes to assembly and application is part of the Pewag standard.

The weldable PLE lifting point complies with the Machine Directives 2006/42/EC and has been tested according to EN 1677-1 and BGR 500. Load capacities are clearly marked on the welding pad.

All welding operations must comply with the provisions of DIN EN ISO 14341 and must be performed by welders with a valid qualification according to EN 287-1 / EN ISO 9606-1 (PLEW) respectively. The lifting points are delivered in individual packaging units, complete with user information and welding instructions.

Load capacities will vary according to the type of application, number of legs and angle of inclination and are listed in tables that form an integral part of the detailed user manual corresponding to the Machine Safety Regulation 2010 and the Machine Directive. Each lifting point comes with a full operating manual.

PLE stamp


pewag

STRONG IS NOT ENOUGH

Translation of
Original operating manual

pewag profilift

Weld-on lifting point
PLE pewag profilift eta (PLE/N)
Operating manual


DGUV Test

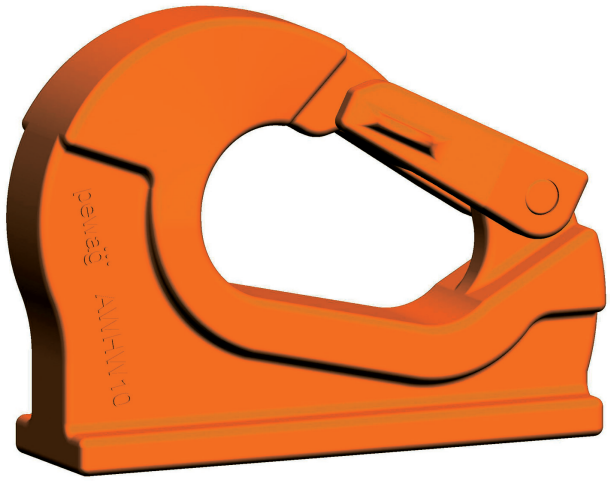
DGUV Test Certificate
DGUV test certification

pewag AWHW Weld-on hook

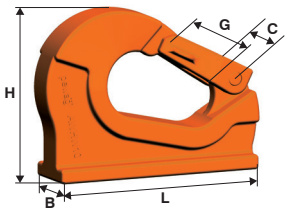
This high-strength hook is particularly well suited for welding onto excavator buckets, spreader beams etc. Its outstanding features include a die-forged, tempered safety catch, making it extra robust. As the safety catch locks into the tip of the hook, it provides excellent protection against lateral movement.

The product is manufactured according to EN 1677-1 but with a higher load capacity. Attention should be paid to the operating manual and welding instructions supplied with each hook.

A CE-marking further emphasises the superior quality of this product. Replacing the SFGW-A safety catch set is quick and easy without the need for special tools.



AWHW Weld-on hook



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

pewag PLEW Eta

High-tensile lifting point Pewag Winner Profilift Eta, for welding onto machine parts or vehicle bodies. Ideal for connection of lifting and lashing parts. The integrated spring holds the ring in the desired position to aid with rigging.

The PLEW has a higher load capacity than the standard Pewag PLE.

Grooves on the weld-on bracket indicate the 45° and 60° angle points which helps to simplify the permitted angles of inclination.

Each lifting point comes with an individual serial number.

Also available with peTAG upon request.

The lifting points are packed individually together with a user manual and welding instructions (to DIN EN ISO 14341). The welding process may only be carried out by a welding operator with a valid qualification in accordance with EN 287-1 or EN ISO 9606-1.

Permitted usage
For load capacities in the permitted directions of pull (fig. 1. Permitted direction of pull), please refer to the load capacity table.

Non-permitted usage
During assembly, ensure that improper loading cannot arise due to any of the following factors:
- Direction of pull is obstructed
- Direction of pull is not within the indicated area
- Loading ring rests against edges or loads

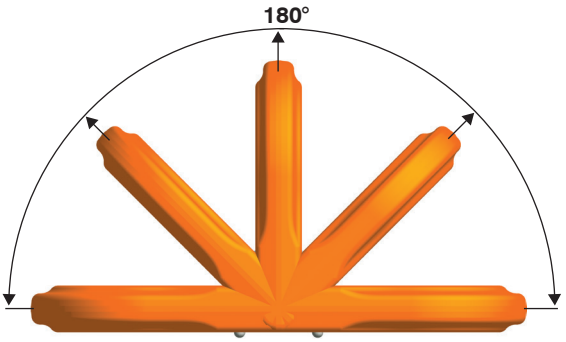
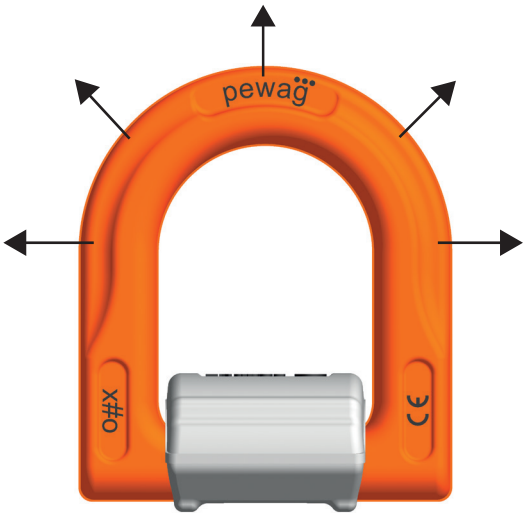
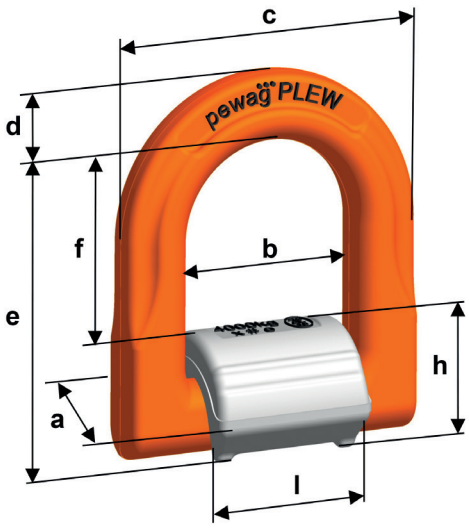


fig 1. permitted directions of pull



Permitted directions of pull

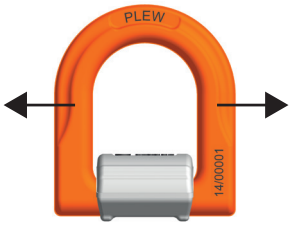


Method of lifting										
Number of legs	1	1	2	2	2	2	3+4	3+4	2	3+4
Angle of inclination	0°	90°	0°	90°	0-45°	45°-60°	0°-45°	45°-60°	asymm.	asymm.

Code	Load capacity [kg]									
PLEW 1,5 t	2.500	1.500	5.000	3.000	2.100	1.500	3.100	2.200	1.500	1.500
PLEW 2,5 t	4.000	2.500	8.000	5.000	3.500	2.500	5.300	3.700	2.500	2.500
PLEW 4 t	6.000	4.000	12.000	8.000	5.600	4.000	8.400	6.000	4.000	4.000
PLEW 6,7 t	10.000	6.700	20.000	13.400	9.400	6.700	14.200	10.000	6.700	6.700
PLEW 10 t	15.000	10.000	30.000	20.000	14.100	10.000	21.200	15.000	10.000	10.000
PLEW 19 t [1)]	25.000	19.000	50.000	38.000	26.800	19.000	40.300	28.500	19.000	19.000

Code	Load capacity [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	f [mm]	h [mm]	l [mm]	Weight [kg/pc.]
PLEW 1,5 t	1.500	32	38	65	14	65	40	25	35	0,32
PLEW 2,5 t	2.500	37	44	75	16	76	47	28	41	0,50
PLEW 4 t	4.000	43	48	84	18	83	51	32	45	0,75
PLEW 6,7 t	6.700	58	60	107	24	108	64	44	56	1,70
PLEW 10 t	10.000	69	66	126	27	123	69	54	61	2,80
PLEW 19 t [1)]	19.000	92	95	171	38	168	100	68	89	6,50

[1)] The spring only assists the weld-on process. It does not hold the ring in each position.

Straight load direction 0°	Side load direction recomended (ring aligned) 90°	Side load direction possible (ring not aligned)
		
Higher load capacity perpendicular to welding surface (column „0°“ in load table)	Nominal load capacity parallel to welding surface (column „90°“ in load table)	Application possible with nominal load. It is better to weld in a way, so that the ring is loaded in the folded direction (as shown next to it).

pewag PLE Eta

Welding onto machine parts or vehicle bodies requires special products that are ideally suited for the hanging of lifting and lashing parts and PLE Pewag Profilift Eta (grade 8) is one of them.

The integrated spring keeps the ring in any position that is required to assist with rigging.

The product may be loaded in all directions.

Permitted usage
For load capacities in the permitted directions of pull (fig. 1. Permitted direction of pull), please refer to the load capacity table.

Non-permitted usage
During assembly, ensure that improper loading cannot arise due to any of the following factors:
- Direction of pull is obstructed
- Direction of pull is not within the indicated area
- Loading ring rests against edges or loads

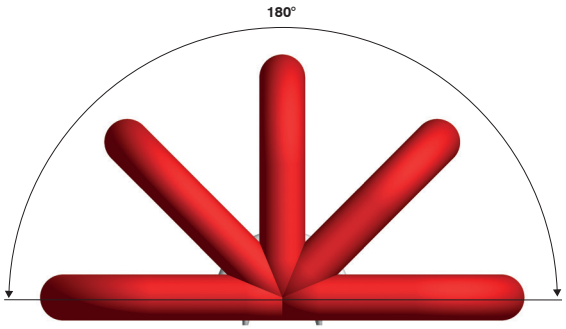
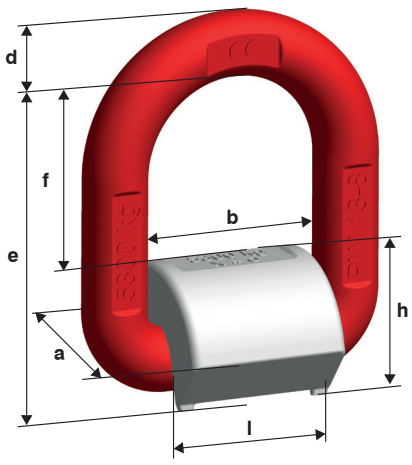


fig 1. Permitted direction of pull

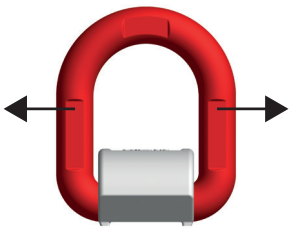


Method of lifting										
Number of legs	1	1	2	2	2	2	3+4	3+4	2	3+4
Angle of inclination	0°	90°	0°	90°	0-45°	45°-60°	0°-45°	45°-60°	asymm.	asymm.

Code	Load capacity [kg]									
PLE/N 6	1.120	1.120	2.240	2.240	1.500	1.120	2.300	1.600	1.120	1.120
PLE/N 8	2.000	2.000	4.000	4.000	2.800	2.000	4.200	3.000	2.000	2.000
PLE/N 10	3.150	3.150	6.300	6.300	4.400	3.150	6.600	4.700	3.150	3.150
PLE/N 13	5.300	5.300	10.600	10.600	7.400	5.300	11.200	7.900	5.300	5.300
PLE/N 16	8.000	8.000	16.000	16.000	11.300	8.000	16.900	12.000	8.000	8.000
PLE/N 22	15.000	15.000	30.000	30.000	21.000	15.000	31.800	22.500	15.000	15.000

Code	Load capacity [kg]	a [mm]	b [mm]	d [mm]	e [mm]	f [mm]	h [mm]	l [mm]	Weight [kg/pc.]
PLE/N 6	1.120	36	40	11	67	42	26	35	0,31
PLE/N 8	2.000	37	42	13	73	45	28	37	0,40
PLE/N 10	3.150	41	45	16,50	80	47	34	40	0,63
PLE/N 13	5.300	61	55	22	97	53	44	50	1,46
PLE/N 16	8.000	63	70	25	120	73	48	64	2,30
PLE/N 22	15.000	89	97	33	163	92	70	90	5,40

Safety factor 4
Important: Subject to technical changes!

Straight load direction 0°	Side load direction recomended (ring aligned) 90°	Side load direction possible (ring not aligned)
		
Nominal load capacity perpendicular to welding surface (column „0°“ in load table)	Nominal load capacity parallel to welding surface (column „90°“ in load table)	Application possible with nominal load. It is better to weld in a way, so that the ring is loaded in the folded direction (as shown next to it).

pewag PLGWI Stainless Steel Eyebolt

The PLGWI is a corrosion resistant stainless steel version of the PLGW eyebolt which offers all the tried-and-tested Pewag advantages: versatility when it comes to areas of application, accurately fitted measurements, optimised load capacities and unsurpassed ease-of-use. But the PLGWI offers even more than that:

The eyebolt is 360° rotatable, comes with an interchangeable special screw that is 100% crack-tested and marked with the load capacity 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 simpler than ever.

This lifting point can be very simply tightened by hand, then aligned in the load direction – a system that is ideally suited for frequent assembly/disassembly applications.

However, if the lifting point is to be utilised in a more permanent application and / or is subject to vibrations during use, the torque settings in the load table must be observed.

Additional benefits of the PLGW inox lifting point:
- Extendable areas of application thanks to Duplex steel with heightened corrosion-resistance
- For the “Basic” version, the PRE/N value that determines the alloy composition and thus also the level of corrosion resistance lies at approx. 34

PLGWI supreme: tool-free assembly and disassembly
Latch in position 1: Latch is not in contact with the screw.
(fig. 1. PLGWI supreme rotatable)
- The latch is held in place with a patented spring
- The eyebolt is free to rotate

Latch in position 2: Latch is in contact with the screw.
(fig. 2. PLGWI supreme disassembly)
- The latch is held in place with a patented spring
- The eyebolt is not rotatable, i.e. the fastening torque is transmitted to the screw and thus the eyebolt can be mounted or removed by hand

PLGWI basic:
A simplified alternative is the Pewag PLGWI Basic. Offering the same benefits as the Pewag PLGWI Supreme in terms of measurement, load capacity and application, the Pewag PLGWI Basic differs only when it comes to assembly.

This lifting point can be mounted hand tight using a standard Allen key then aligned in the load direction.

However, if the lifting point is to be utilised in a more permanent application the torque settings in the load table must be observed.

The Basic version is made exclusively from Duplex, with ring, screw and sleeve manufactured from 1.4462. In the “Supreme” version, the elements of the latching system are made from corrosion resistant material.

Each eyebolt comes with an operating manual that contains detailed information on usage as well as a load capacity table categorised by lifting method, number of legs and angle of inclination, for easy reference whenever you need it.

PLGWI supreme – tool-free handling

fig 1. PLGWI supreme rotatable

fig 2. PLGWI supreme disassembly

PLGWI basic – assembly with tools

Permitted usage
For load capacities in the permitted directions of pull, please refer to the load capacity table.
- Adjust the lifting point in the permitted load direction before loading
- Loadable with a 4-fold safety factor under break in all directions

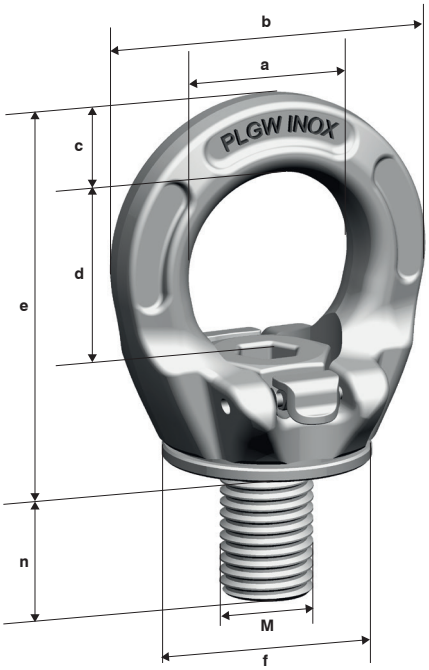
Non-permitted usage
During assembly, ensure that improper loading cannot arise due to any of the following factors
- Direction of pull is obstructed
- Direction of pull is not within the indicated area
- Loading ring rests against edges or loads

Each lifting point comes with an individual serial number.

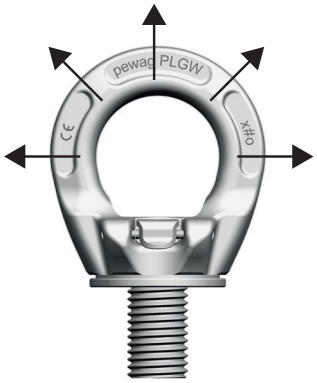
For detailed information such as method of lifting, number of legs, angle of inclination etc., please refer to the tables with the technical data.

The load ring must be placed in the direction of pull before loading – do not turn under load!

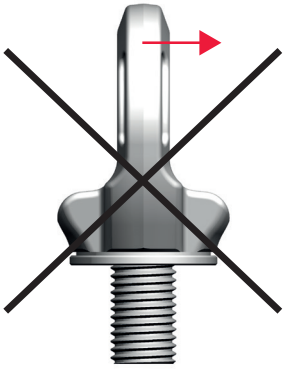
For additional details and information, please refer to the full operating manual on page 52.



Please refer to the tables with technical data for all corresponding values



Permitted directions of pull



Non-permitted directions of pull

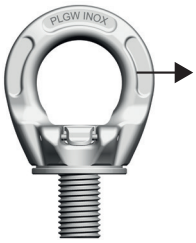
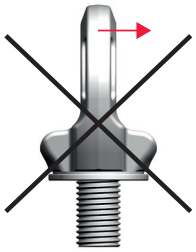
pewag PLGWI Stainless Steel Eyebolt

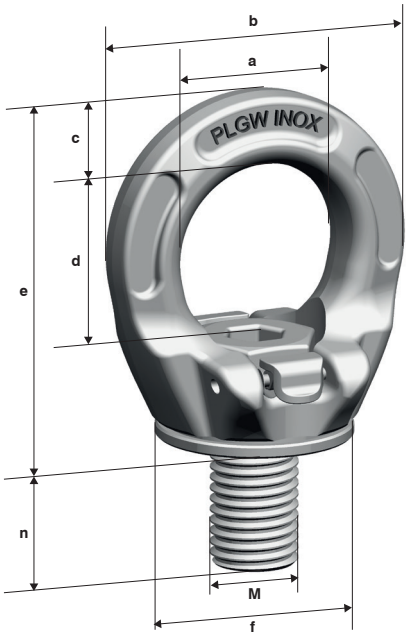
Method of lifting										
Number of legs	1	1	2	2	2	2	3+4	3+4	2	3+4
Angle of inclination	0°	90°	0°	90°	0-45°	45°-60°	0°-45°	45°-60°	asymm.	asymm.

Code	Thread [mm]	Fastening torque [Nm]*	Load capacity [kg]									
PLGWI 2 t	M20	100	3,800	2,000	7,600	4,000	2,800	2,000	4,200	3,000	2,000	2,000

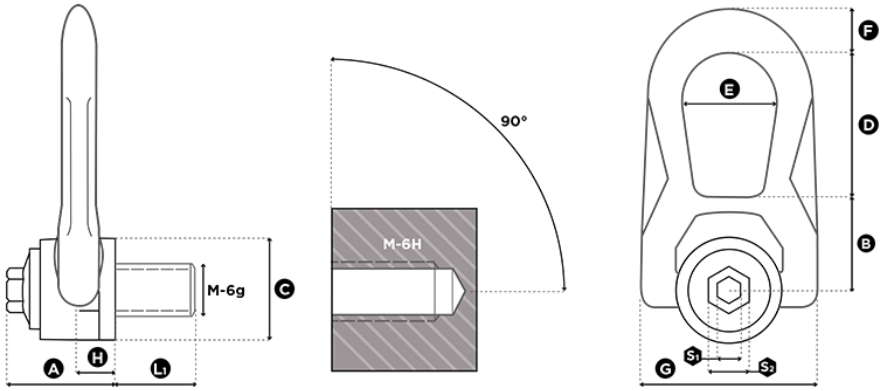
Code	Thread [mm]	Load capacity [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	f [mm]	n [mm]	n max [mm]	⬡ [mm]	Weight [kg/pc.]
PLGWI 2 t	M20	2,000	40	72	17	40	80	45	30	160	12	0.60

* PLGWI lifting points can be fitted 'hand tight' in applications where frequent mounting and removal is necessary. For more permanent applications the fastening torque shown in the table above must be observed.

Straight load direction 0°	Side load direction „allowed" (ring aligned) 90°	Side load direction „not allowed" (ring not aligned)
		
Higher load capacity in direction of screw axis (Column „0°" in load table)	Nominal load capacity perpendicular to screw axis (Column „90°" in load table)	Not allowed because of unstable condition. Ring could turn suddenly under load – high risk for load and/or people.



High Tensile Stainless Steel Double Swivel Rings (Type SS DSR)



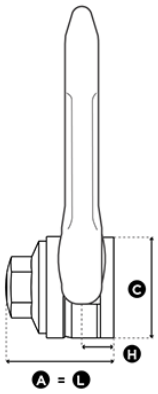
Code	WLL SF 4:1 M = t U = lbs	WLL SF 5:1 M = t U = lbs	Thread Size	Thread Length L1 [mm]	Torque Setting M= Nm U = ft/lb	S1 [mm]	S2 [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	Weight [kg/pc.]
SS DSR M 6	0.15	0.10	M6 (x1)	15	4	8	16	32	30	30	39	28	13	53	9.5	0.30
SS DSR M 8	0.30	0.30	M8 (x1.25)	16	6	8	16	32	30	30	39	28	13	53	9.5	0.30
SS DSR M 10	0.50	0.50	M10 (x1.50)	16	10	8	16	32	30	30	39	28	13	53	9.5	0.30
SS DSR M 12	0.80	0.80	M12 (x1.75)	19	15	8	16	32	30	30	39	28	13	53	9.5	0.30
SS DSR M 14	1.00	1.00	M14 (x2)	29	30	8	20	44	40	45	53	38	17	76	13	0.90
SS DSR M 16	1.50	1.40	M16 (x2)	26	50	8	20	44	40	45	53	38	17	76	13	0.90
SS DSR M 18	1.50	1.40	M18 (x2.5)	30	70	8	20	44	40	45	53	38	17	76	13	1.00
SS DSR M 20	1.60	1.40	M20 (x2.5)	30	100	8	20	44	40	45	53	38	17	76	13	1.00
SS DSR M 22	2.20	2.20	M22 (x2.5)	42	120	14	24	62	55	58	83	56	25	115	19	2.50
SS DSR M 24	2.70	2.70	M24(x3)	42	160	14	24	62	55	58	83	56	25	115	19	2.60
SS DSR M 27	2.90	2.80	M27 (x3)	42	200	14	24	62	55	58	83	56	25	115	19	2.70
SS DSR M 30	3.50	3.00	M30 (x3.5)	47	250	14	24	62	55	58	83	56	25	115	19	2.80
SS DSR U 025	500	400	UNC 1/4“-20	13	3	8	16	32	30	30	39	28	13	53	9.5	0.30
SS DSR U 516	650	600	UNC 5/16“-18	15	5	8	16	32	30	30	39	28	13	53	9.5	0.30
SS DSR U 038	1000	1000	UNC 3/8“-16	17	8	8	16	32	30	30	39	28	13	53	9.5	0.30
SS DSR U 050	1850	1800	UNC 1/2“-13	21	12	8	16	32	30	30	39	28	13	53	9.5	0.30
SS DSR U 058	3000	2500	UNC 5/8“-11	27	40	8	20	44	40	45	53	38	17	76	13	0.90
SS DSR U 075	3800	3600	UNC 3/4“-10	30	80	8	20	44	40	45	53	38	17	76	13	0.90
SS DSR U 078	5100	5000	UNC 7/8“-9	33	90	14	24	62	55	58	83	56	25	115	19	2.50
SS DSR U 100	6000	6000	UNC 1“-8	36	125	14	24	62	55	58	83	56	25	115	19	2.60

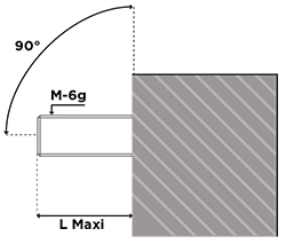
Load Capacities (SF 4:1)

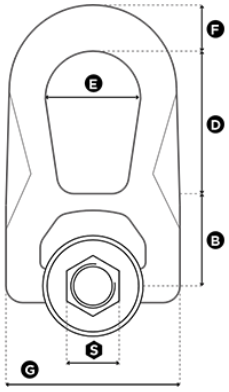
Method Of Lifting								
Number Of Legs	1	2	1	2	2	2	3+4	3+4
Angle Of Inclination	0° tonnes (U=lbs)	0° tonnes (U=lbs)	90° tonnes (U=lbs)	90° tonnes (U=lbs)	0-45° tonnes (U=lbs)	45-60° tonnes (U=lbs)	0-45° tonnes (U=lbs)	45-60° tonnes (U=lbs)
SSDSR M6	0.25	0.50	0.15	0.30	0.21	0.15	0.31	0.15
SSDSR M8	0.50	1.00	0.30	0.60	0.42	0.30	0.63	0.30
SSDSR M10	0.90	1.80	0.50	1.00	0.70	0.50	1.05	0.50
SSDSR M12	1.00	2.00	0.80	1.60	1.12	0.80	1.68	0.80
SSDSR M14	1.60	3.20	1.00	2.00	1.40	1.00	2.10	1.00
SSDSR M16	1.90	3.80	1.50	3.00	2.10	1.50	3.15	1.50
SSDSR M18	1.90	3.80	1.50	3.00	2.10	1.50	3.15	1.50
SSDSR M20	1.90	3.80	1.60	3.20	2.24	1.60	3.36	1.60
SSDSR M22	3.50	7.00	2.20	4.40	3.08	2.20	4.62	2.20
SSDSR M24	3.50	7.00	2.70	5.40	3.78	2.70	5.67	2.70
SSDSR M27	3.60	7.20	2.90	5.80	4.06	2.90	6.09	2.90
SSDSR M30	3.70	7.40	3.50	7.00	4.90	3.50	7.35	3.50
SSDSR U 025	850	1700	500	1000	700	500	1050	500
SSDSR U 516	1100	2200	650	1300	910	650	1365	650
SSDSR U 038	1800	3600	1000	2000	1400	1000	2100	1000
SSDSR U 050	2500	5000	1800	3600	2520	1800	3780	1800
SSDSR U 058	4500 / 4400	9000 / 8800	3000	6000	4200	3000	6300	3000
SSDSR U 075	4500	9000	3800	7600	5320	3800	7980	3800
SSDSR U 078	8500	17000	5100	10200	7140	5100	10710	5100
SSDSR U 100	8500	17000	6000	12000	8400	6000	12600	6000

Please note that all dimensions stated are nominal and subject to change without prior notice!

High Tensile Stainless Steel Double Swivel Rings (Type SS FE DSR)







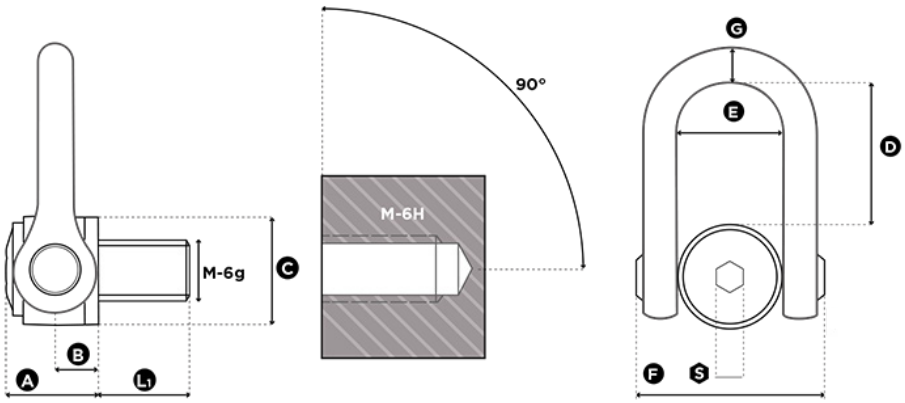
Code	WLL SF 4:1 M = t U = lbs	WLL SF 5:1 M = t U = lbs	Thread Size	L1 Max. [mm]	Torque Setting M= Nm U = ft/lb	S [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	Weight [kg/pc.]
SS FE DSR M 8	0.30	0.30	M8 (x1.25)	43	6	20	43	40	45	53	38	17	76	13	0.9
SS FE DSR M 10	0.50	0.50	M10 (x1.50)	43	10	20	43	40	45	53	38	17	76	13	0.9
SS FE DSR M 12	0.80	0.80	M12 (x1.75)	43	15	20	43	40	45	53	38	17	76	13	0.9
SS FE DSR M 14	1.00	1.00	M14 (x2)	43	30	20	43	40	45	53	38	17	76	13	0.9
SS FE DSR M 16	1.50	1.40	M16 (x2)	43	50	20	43	40	45	53	38	17	76	13	0.9
SS FE DSR M 18	1.50	1.40	M18 (x2.5)	62	70	24	62	55	58	83	56	25	115	19	2.6
SS FE DSR M 20	1.60	1.40	M20 (x2.5)	62	100	24	62	55	58	83	56	25	115	19	2.6
SS FE DSR M 22	2.20	2.20	M22 (x2.5)	62	120	24	62	55	58	83	56	25	115	19	2.6
SS FE DSR U 516	650	600	UNC 5/16“-18	43	5	20	43	40	45	53	38	17	76	13	0.9
SS FE DSR U 038	1000	1000	UNC 3/8“-16	43	8	20	43	40	45	53	38	17	76	13	0.9
SS FE DSR U 050	1850	1800	UNC 1/2“-13	43	12	20	43	40	45	53	38	17	76	13	0.9
SS FE DSR U 058	3000	2500	UNC 5/8“-11	43	40	20	43	40	45	53	38	17	76	13	0.9
SS FE DSR U 075	3800	3600	UNC 3/4“-10	62	80	24	62	55	58	83	56	25	115	19	2.6
SS FE DSR U 078	5100	5000	UNC 7/8“-9	62	90	24	62	55	58	83	56	25	115	19	2.6

Load Capacities (SF 4:1)

Method Of Lifting								
Number Of Legs	1	2	1	2	2	2	3+4	3+4
Angle Of Inclination	0° tonnes (U=lbs)	0° tonnes (U=lbs)	90° tonnes (U=lbs)	90° tonnes (U=lbs)	0-45° tonnes (U=lbs)	45-60° tonnes (U=lbs)	0-45° tonnes (U=lbs)	45-60° tonnes (U=lbs)
SSFEDSR M8	0.50	1.00	0.30	0.60	0.42	0.30	0.63	0.30
SSFEDSR M10	0.90	1.80	0.50	1.00	0.70	0.50	1.05	0.50
SSFEDSR M12	1.00	2.00	0.80	1.60	1.12	0.80	1.68	0.80
SSFEDSR M14	1.60	3.20	1.00	2.00	1.40	1.00	2.10	1.00
SSFEDSR M16	1.90	3.80	1.50	3.00	2.10	1.50	3.15	1.50
SSFEDSR M18	1.90	3.80	1.50	3.00	2.10	1.50	3.15	1.50
SSFEDSR M20	1.90	3.80	1.60	3.20	2.24	1.60	3.36	1.60
SSFEDSR M22	3.50	7.00	2.20	4.40	3.08	2.20	4.62	2.20
SSFEDSR U 516	1100	2200	650	1300	910	650	1365	650
SSFEDSR U 038	1800	3600	1000	2000	1400	1000	2100	1000
SSFEDSR U 050	2500	5000	1800	3600	2520	1800	3780	1800
SSFEDSR U 058	4500 / 4400	9000 / 8800	3000	6000	4200	3000	6300	3000
SSFEDSR U 075	4500	9000	3800	7600	5320	3800	7980	3800
SSFEDSR U 078	8500	17000	5100	10200	7140	5100	10710	5100

Please note that all dimensions stated are nominal and subject to change without prior notice!

High Tensile Stainless Steel Double Swivel Shackle (Type SS DSS)



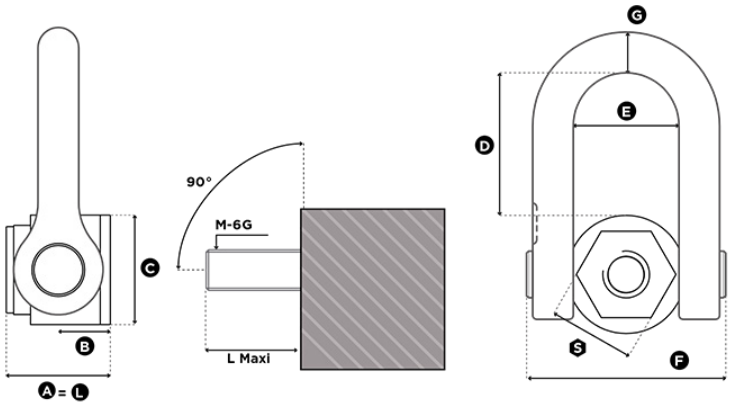
Code	WLL SF 4:1 M = t U = lbs	WLL SF 5:1 M = t U = lbs	Thread Size	Thread Length L1 [mm]	Torque Setting M= Nm U = ft/lb	S [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	Weight [kg/pc.]
SS DSS M 24	2.70	2.70	M24 (x3)	36	160	19	61	31	70	104	73	149	30	30
SS DSS M 30	3.50	3.50	M30 (x3.5)	45	250	19	61	31	70	104	73	149	30	30
SS DSS M 33	3.50	3.50	M33 (x3.5)	50	250	19	61	31	70	104	73	149	30	30
SS DSS M 36	5.00	5.00	M36 (x4)	54	320	19	61	31	70	104	73	149	30	30
SS DSS M 36x3	5.00	5.00	M36 (x3)	54	320	19	61	31	70	104	73	149	30	30
SS DSS M 39	5.00	5.00	M39 (x4)	54	320	19	61	31	70	104	73	149	30	30
SS DSS M 42	6.00	6.00	M42 (4.5)	63	400	19	61	31	70	104	73	149	30	30
SS DSS M 42x3	6.00	6.00	M42 (x3)	63	400	19	61	31	70	104	73	149	30	30
SS DSS M 45	6.00	-	M45 (x4.5)	63	400	19	61	31	70	104	73	149	30	30
SS DSS M 48	6.40	-	M48 (x5)	68	600	19	79	38	90	125	91	182	41	30
SS DSS M 48x3	6.40	-	M48 (x3)	68	600	19	79	38	90	125	91	182	41	30
SS DSS M 48x4	6.40	-	M48 (x4)	68	600	19	79	38	90	125	91	182	41	30
SS DSS M 52	6.40	-	M52 (x5)	68	600	19	79	38	90	125	91	182	41	30
SS DSS M 56	8.00	-	M56 (x5.5)	78	600	19	79	38	90	125	91	182	41	30
SS DSS M 56x4	8.00	-	M56 (x4)	78	600	19	79	38	90	125	91	182	41	30
SS DSS U 100	6000	6000	UNC 1"-8	40	125	3/4"	61	31	70	104	73	149	30	5.2
SS DSS U 125	7500	7500	UNC 1"1/4-7	45	200	3/4"	61	31	70	104	73	149	30	5.2
SS DSS U 138	7500	7500	UNC 1"3/8-6	54	240	3/4"	61	31	70	104	73	149	30	5.2
SS DSS U 150	11000	11000	UNC 1"1/2-6	61	240	3/4"	61	31	70	104	73	149	30	5.4
SS DSS U 200	14000	-	UNC 2"-4.5	76	450	3/4"	79	38	90	125	91	182	41	11.1

Load Capacities (SF 4:1)

Method Of Lifting								
Number Of Legs	1	2	1	2	2	2	3+4	3+4
Angle Of Inclination	0° tonnes (U=lbs)	0° tonnes (U=lbs)	90° tonnes (U=lbs)	90° tonnes (U=lbs)	0-45° tonnes (U=lbs)	45-60° tonnes (U=lbs)	0-45° tonnes (U=lbs)	45-60° tonnes (U=lbs)
SS DSS M 24	2.70	5.40	2.70	5.40	3.78	2.70	5.67	2.70
SS DSS M 30	3.50	7.00	3.50	7.00	4.90	3.50	7.35	3.50
SS DSS M 33	3.50	7.00	3.50	7.00	4.90	3.50	7.35	3.50
SS DSS M 36	5.00	10.00	5.00	10.00	7.00	5.00	10.50	5.00
SS DSS M 36x3	5.00	10.00	5.00	10.00	7.00	5.00	10.50	5.00
SS DSS M 39	5.00	10.00	5.00	10.00	7.00	5.00	10.50	5.00
SS DSS M 42	6.00	12.00	6.00	12.00	8.40	6.00	12.60	6.00
SS DSS M 42x3	6.00	12.00	6.00	12.00	8.40	6.00	12.60	6.00
SS DSS M 45	6.00	12.00	6.00	12.00	8.40	6.00	12.60	6.00
SS DSS M 48	6.40	12.80	6.40	12.80	8.96	6.40	13.44	6.40
SS DSS M 48x3	6.40	12.80	6.40	12.80	8.96	6.40	13.44	6.40
SS DSS M 48x4	6.40	12.80	6.40	12.80	8.96	6.40	13.44	6.40
SS DSS M 52	6.40	12.80	6.40	12.80	8.96	6.40	13.44	6.40
SS DSS M 56	8.00	16.00	8.00	16.00	11.20	8.00	16.80	8.00
SS DSS M 56x4	8.00	16.00	8.00	16.00	11.20	8.00	16.80	8.00
SS DSS U 100	6000	12000	6000	12000	8400	6000	12600	6000
SS DSS U 125	7500	15000	7500	15000	10500	7500	15750	7500
SS DSS U 138	7500	15000	7500	15000	10500	7500	15750	7500
SS DSS U 150	11000	22000	11000	22000	15400	11000	23100	11000
SS DSS U 200	14000	28000	14000	28000	19600	14000	29400	14000

Please note that all dimensions stated are nominal and subject to change without prior notice!

High Tensile Stainless Steel Double Swivel Shackle (Type SS FE DSS)



Code	WLL SF 4:1 M = t U = lbs	WLL SF 5:1 M = t U = lbs	Thread Size	L1 Max. [mm]	Torque Setting M= Nm U = ft/lb	S [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	Weight [kg/pc.]
SS FE DSS M 24	2.70	2.70	M24 (x3)	66	160	50	66	31	70	104	73	149	30	5.8
SS FE DSS M 30	3.50	3.50	M30 (x3.5)	66	250	50	66	31	70	104	73	149	30	5.8
SS FE DSS M 33	3.50	3.50	M33 (x3.5)	66	250	50	66	31	70	104	73	149	30	5.8
SS FE DSS M 36	5.00	5.00	M36 (x4)	66	320	50	66	31	70	104	73	149	30	5.8
SS FE DSS U 100	6000	6000	UNC 1“-8	66	125	50	66	31	70	104	73	149	30	5.4
SS FE DSS U 125	7500	7500	UNC 1“1/4-7	66	200	50	66	31	70	104	73	149	30	5.4
SS FE DSS U 138	7500	7500	UNC 1“3/8-6	66	240	50	66	31	70	104	73	149	30	5.4
SS FE DSS U 150	11000	11000	UNC 1“1/2-6	66	240	60	89	38	95	125	91	182	41	12.0

Load Capacities (SF 4:1)

Method Of Lifting								
Number Of Legs	1	2	1	2	2	2	3+4	3+4
Angle Of Inclination	0° tonnes (U=lbs)	0° tonnes (U=lbs)	90° tonnes (U=lbs)	90° tonnes (U=lbs)	0-45° tonnes (U=lbs)	45-60° tonnes (U=lbs)	0-45° tonnes (U=lbs)	45-60° tonnes (U=lbs)
SS FE DSS M 24	2.70	5.40	2.70	5.40	3.78	2.70	5.67	2.70
SS FE DSS M 30	3.50	7.00	3.50	7.00	4.90	3.50	7.35	3.50
SS FE DSS M 33	3.50	7.00	3.50	7.00	4.90	3.50	7.35	3.50
SS FE DSS M 36	5.00	10.00	5.00	10.00	7.00	5.00	10.50	5.00
SS FE DSS U 100	6000	12000	6000	12000	8400	6000	12600	6000
SS FE DSS U 125	7500	15000	7500	15000	10500	7500	15750	7500
SS FE DSS U 138	7500	15000	7500	15000	10500	7500	15750	7500
SS FE DSS U 150	11000	22000	11000	22000	15400	11000	23100	11000

Please note that all dimensions stated are nominal and subject to change without prior notice!

pewag PLGW-PSA Eyebolt

Fall protection anchorage eye bolt.

The Pewag PLGW-PSA anchorage point is part of the anchorage system on which personal fall protection equipment can be fastened. It was designed and certified as per the high safety requirements for personal protective equipment according to the EC-Regulations **89/686/EEC**; and meets the new **EN795:2012** (1 person) and **CEN/TS 16415** (2 persons) directives respectively.

PLGW-PSA anchor points also conform to the requirements of **BS8610:2017***.

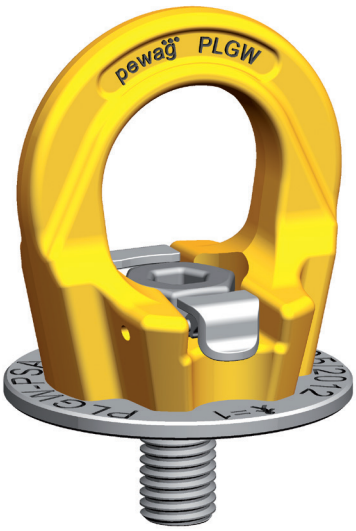
For more detailed information, please consult the operating instructions which are available on request.

The PLGW-PSA is available in „Basic“ and „Supreme“: PLGW-PSA Basic is intended for permanent assembly to the anchorage system (e.g. tripod) and is mounted using a commercial Allen key. The PLGW-PSA Supreme version has a patented system which allows for tool-free assembly and disassembly once the anchorage point is no longer in use and needs to be removed. You can find more information on the functionality either by watching the video at www.pewag.com or by reading the operating instructions.

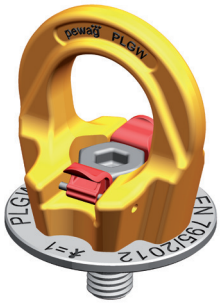
The special finish using the colour RAL 1003 for both versions is approved for use with stationary antenna systems („cell phone towers“). The Pewag PLGW-PSA anchorage point is available in the sizes M12 (for 1 person) as well as M16 and M20 (for max. 2 persons). All sizes can be supplied with individual thread lengths (prices on request).

Every anchorage point is marked with the thread size and the permitted number of persons. The individual serial number enables complete traceability on all compulsory inspections.

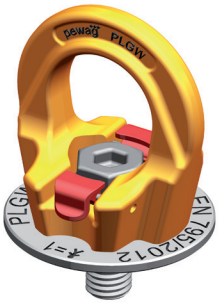
*Excludes salt spray test as at May 2018.



pewag PLGW-PSA supreme



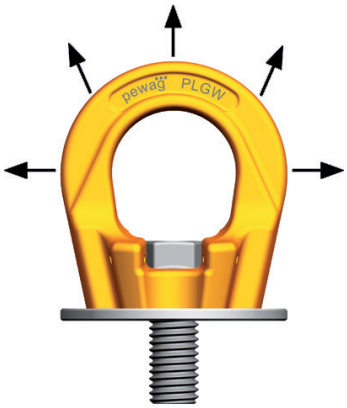
PLGW-PSA supreme rotatable



PLGW-PSA supreme disassembly

pewag PLGW-PSA basic

Assembly video PLGW

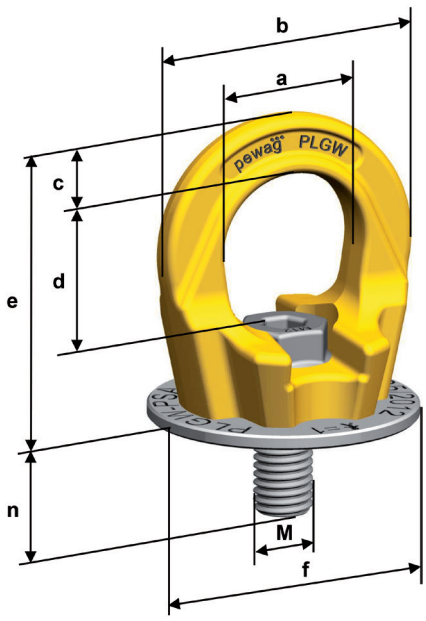


Permissible pull directions that occur when used correctly.

Identification on Sleeve and Screw.
Component description and location of identification details on product.

Code	Thread [mm]	Persons	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	f [mm]	n [mm]	n max [mm]	⬡ [mm]	Weight [kg/pc.]
PLGW PSA M12	M12	1	30	55	12	32	63	55	20	160	8	0.30 / 0.42
PLGW PSA M16	M16	2	35	64	14	36	70	62	25	160	10	0.47 / 0.69
PLGW PSA M20	M20	2	40	73	16	41	81	66	30	160	12	0.60 / 0.95

Note: The data stated in column Weight [kg/pc.] refer to the standard length (n [mm]) and to the maximum length (n max [mm]).
Attention: Subject to technical modifications!

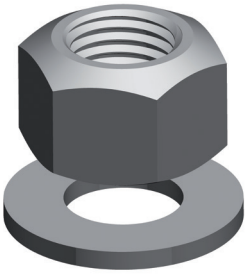


PLGW-PSA basic

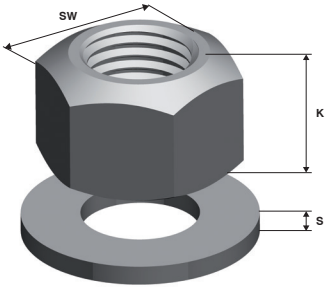
pewag PLMS Screw nut

Complies with DIN 980 V. Washer included.

This set is often used for Pewag winner lifting points with customised lengths. The nut is crack-tested and manufactured according to DIN 980 V in strength category 10. Set includes nut and washer.



PLMS Screw nut

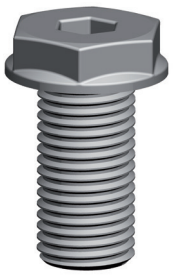


Code	Thread [mm]	Pitch P [mm]	SW [mm]	K [mm]	S [mm]	Pack quantity [sets]
PLMS 8	M8	1.25	13	8	1.60	10
PLMS 10	M10	1.50	17	10	2	10
PLMS 12	M12	1.75	19	12	2.50	10
PLMS 14	M14	2	22	14	3	10
PLMS 16	M16	2	24	16	3	10
PLMS 18	M18	2.50	27	18	4	10
PLMS 20	M20	2.50	30	20	4	10
PLMS 24	M24	3	36	24	4	10
PLMS 30	M30	3.50	46	30	5	4
PLMS 36	M36	4	55	36	6	1
PLMS 42	M42	4.50	65	42	7	1
PLMS 48	M48	5	75	48	8	1
PLMS 56	M56	5.50	85	56	10	1
PLMS 64	M64	6	95	64	10	1

pewag PLGS Screw for PLGW

For metric threads.

This screw is one of the spare parts for the PLGW Pewag Profilift Gamma lifting point with a metric thread.



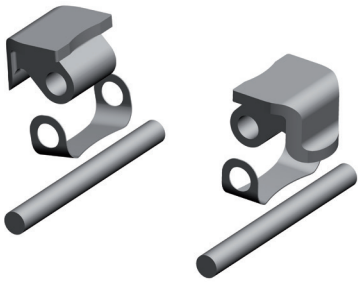
PLGS Screw for PLGW

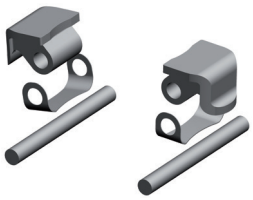
Code	Thread [mm]	Pack quantity [piece]
PLGS 0,3 T	M8	10
PLGS 0,5 T	M10	10
PLGS 0,7 T	M12	10
PLGS 1,5 T	M16	10
PLGS 2,3 T	M20	10
PLGS 3,2 T	M24	10
PLGS 4 T	M30	4
PLGS 7 T	M36	1
PLGS 9 T	M42	1
PLGS 12 T	M48	1

pewag PLGES Replacement latch set

For Profilift Gamma eyebolts.

Spare latch sets for the PLGW Pewag Profilift Gamma Supreme.



PLGES Spare latches set	Code	Thread [mm]	Pack quantity [pair]
	PLGES 0,3 T	M8	1
	PLGES 0,5 T	M10	1
	PLGES 0,7 T	M12	1
	PLGES 1,5 T	M16	1
	PLGES 2,3 T	M20	1
	PLGES 3,2 T	M24	1
	PLGES 4 T	M30	1
	PLGES 7 T	M36	1
	PLGES 9 T	M42	1
	PLGES 12 T	M48	1

pewag PLAS Screw for PLAW

For Profilift Alpha.

Pewag spare parts are guaranteed to pass any quality test – and the PLAS screw for the PLAW lifting point is no exception.
Pewag Profilift Alpha with metric thread.
Suitable for the PLAW type with sleeve.

PLAS Screw for PLAW	Code	Thread [mm]	Pack quantity [piece]
	PLAS 0,3 T	M8	10
	PLAS 0,63 T	M10	10
	PLAS 1 T	M12	10
	PLAS 1,5 T	M16	10
	PLAS 2,5 T	M20	10
	PLAS 4 T /13 [1]	M24	10
	PLAS 6 T	M30	4
	PLAS 8 T	M36	1
	PLAS 10 T	M42	1
	PLAS 15 T	M42	1
	PLAS 20 T	M48	1

[1] Only available for new model version

pewag PLBS Screw for PLBW

For Profilift Beta.

This screw is one of the spare parts for the PLBW Pewag Profilift Beta lifting point with a metric thread.

PLBS Screw for PLBW

Code	Thread [mm]	Pack quantity [piece]
PLBS 0,3 t	M8	10
PLBS 0,6 t	M10	10
PLBS 1 t	M12	10
PLBS 1,3 t	M14	10
PLBS 1,6 t	M16	10
PLBS 2 t	M18	10
PLBS 2,5 t	M20	10
PLBS 3 t	M22	10
PLBS 4 t	M24	10
PLBS 5 t	M27	4
PLBS 6,3 t	M30	4
PLBS 8 t	M33	2
PLBS 10 t	M36	1
PLBS 12,5 t	M42	1
PLBS 15 t	M48	1

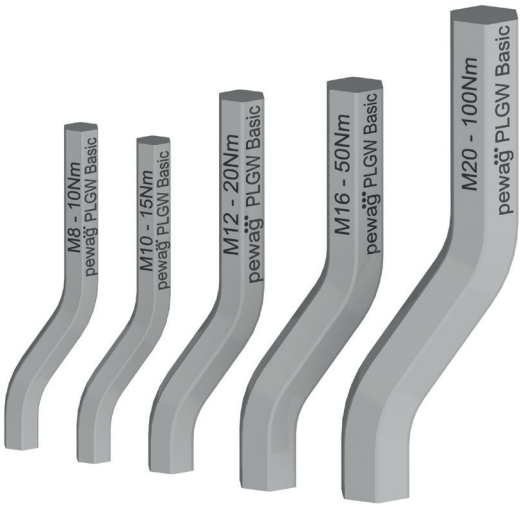
pewag PLGIS Allen key set

Easy and safe application.

The assembly of the PLGW basic is only possible with tools. Special Allen keys for the PLGW basic M8 up to M20 simplify the mounting process. The keys are available as a complete set and they are marked with both size and tightening torque.

The PLGW supreme is designed for tool-free mounting.

PRICE ON APPLICATION.



pewag ALP Thread adapter

For all Profilift lifting points.

Loads often come with tapped holes for DIN-580 eyebolts. The thread adapter can be mounted using a commercial open-jawed spanner. The Pewag lifting point is then mounted according to the instruction manual.

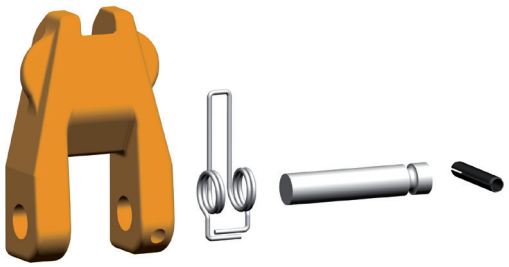
By using the Pewag thread adapter, the high-strength Pewag lifting points (PLAW, PLBW, PLGW, PLDW) can replace standard eyebolts.

The permitted load capacity corresponds to the Pewag lifting point fitted in the internal thread.

PRICE ON APPLICATION.

pewag SFGW-A Safety catch set

For AWHW Weld-on hook.



The SFGW-A safety catches are die-forged and powder coated and come with a rust-proof spring.

SFGW-A Safety catch set	Code	For accessory part
	SFGW-A 1	AWHW 1.3
	SFGW-A 3	AWHW 3.8
	SFGW-A 6	AWHW 6.3, AWHW 10

Information and safety guidelines on usage, storage, inspection and servicing of Pewag Winner lifting points.

General information

pewag winner profilift lifting points are quality products that are suitable for a wide range of general lifting purposes, including different designs, types of load and application modes.
For detailed information on designs and classification of load capacities, please refer to the tables in this catalogue.

Responsibility is key
If the pewag winner profilift lifting points are used correctly and by competent persons, they have a long lifespan and provide the highest possible safety standards. Material and personal damage can be avoided by reading this user information carefully and handling all lifting processes in a responsible, provident manner.
Please note that all operating manuals that come with the product must be complied with at all times!

Changes to the condition as delivered

Only the original parts provided in the delivery may be used to complete the installation.
Modifying the original condition by grinding, welding (with the exception of the weldable lifting points), drilling, stamping etc. is not permitted and means exposing yourself and others to unnecessary danger. In such a case, safety can no longer be guaranteed and usage becomes dangerous. pewag does not accept any liability in such cases. Do not apply any surface coatings, i.e. do not subject parts to hot galvanizing or electrogalvanizing. Cleaning processes that rely on dipping or removing a coating with chemicals are potentially dangerous processes that may give rise to hazards. We recommend consulting pewag prior to performing these processes. The welding seam of the weldable lifting points are best protected against corrosion by applying a varnish.

Correct usage of the lifting points

If used correctly, pewag winner profilift lifting points are safe and powerful. Please note that they may only be used by authorised personnel who have received sufficient training.
Correct usage is subject to the following principles:
The location point of the load must be chosen in such a way that the transmitted forces of the base material can be absorbed without any deformations. Prior to loading, the load bracket needs to be adjusted in the direction of pull. Non-permissible strains such as twisting or rotating the load must be avoided. Please ensure that the lifting gear can be mounted and demounted without any risk of injury!

Damage to the load and lifting gear can be avoided by proper positioning. In cases where a single lifting point is used, this has to be mounted flat over the centre of gravity of the load. When using two lifting points (2-leg chain sling), these have to be mounted symmetrically on both sides of the centre of gravity of the load. When using 3 or 4 lifting points (3 or 4-leg chain sling), these have to be mounted evenly on one level surrounding the centre of gravity of the load.

Care must be taken to ensure that the load is evenly spread among the individual chain legs.

In case of asymmetrical load distribution, the load capacity must be reduced in accordance with the load capacity table supplied. This may result in having to use a lifting point of the next highest load capacity. Use of acids and caustic solutions or exposure to their vapours is not permitted. Please be aware of this requirement at all times as certain production processes release acids and/or vapours!
The load capacity will also be reduced if the lifting points are exposed to higher temperatures. Please comply with the supplied operating instructions at all times. For further information, please contact the pewag technical service team.

Screwable lifting points

We recommend the following minimum screw thread depth:
- 1 x M for steel (M = thread size, for instance M16)
- 1.25 x M for cast steel
- 2 x M for aluminium

To ensure safe usage, the thread size and thread length for materials of lower strength, like light metals, non-ferrous metals or cast iron, must be chosen in such a way that the occurring loads may be absorbed by the lifting point. Impact loading or vibration may cause the screw to become loose. To avoid this, apply a liquid threadlock such as Loctite.
If using additional tools of this sort, please follow the manufacturer's instructions. pewag accepts no liability if components are used that are not part of the pewag range (e.g. screws).

Please check the following points prior to each usage:
- Ensure that the lifting point is screwed in completely and the support surface is in full contact with the load
- That the surface where the lifting point is to be fitted is flat and has sufficent area to accommodate the whole of the base of the lifting point
- The threaded hole to which the lifting point is to be fitted should have an adequate depth to ensure that the full thread length is used (blind hole)
- The threaded hole must be at right angles to the mounting surface
- All screws are sufficiently tightened and the fastening torque corresponds to that specified in the operating manual
- The lifting point is complete, i.e. no components are missing
- The stamp of the lifting point is clearly legible
- The lifting point shows no signs of damage such as notches, cracks, deformations, wear, strong corrosion, surface cracks on load-bearing parts, noticeable signs of excessive heat exposure (such as burnt varnish, discolouration of the base material)
- The rotatable lifting points may be rotated freely and smoothly

In addition, check before each assembly:
- Screws and threads are not damaged
- Screw size, screw grade and screw depth are correct

The supplied operating manual must be complied with at all times!
If in doubt or in case of visible damage, the lifting point must be decommissioned and inspected by a competent person.
This also applies to unusual events, for instance uncontrolled exposure to heat.

Weldable lifting points

For welding, the following instructions apply:
- All welding processes must be performed by a qualified welder according to EN 287-1 respectively EN ISO 9606-1
- The material of the weldable lifting points can be obtained from the enclosed operating manual
- The surface of the welding area must be thoroughly cleaned before welding. Rust and scale, paint, oil or similar must be removed
- Contact between the coated bracket and the welded material must be avoided

Please check the following points prior to each usage:
- The stamp of the lifting point is clearly legible
- The lifting point shows no signs of damage such as notches, cracks, deformations, wear, strong corrosion, surface cracks on load-bearing parts, noticeable signs of excessive heat exposure on the coated bracket (such as burnt varnish, discolouration of the base material)
- No surface cracks or damage along the welding seam

The supplied operating manual must be complied with at all times!
If in doubt or in case of visible damage, the lifting points must be decommissioned and inspected by a competent person.
This also applies to unusual events, for instance uncontrolled exposure to heat.

Correct maintenance

The maintenance of pewag winner profilift lifting points must be performed by competent persons. Improper use or use by unauthorised persons must be avoided at all times.

Prevention is better than cure!

Prior to using a lifting point, it must verified whether the lifting point was inspected every 12 months by a competent person and in accordance with applicable national standards.
If the chain sling is frequently used at its full load capacity, more frequent inspections are required! Al inspections must be documented, in particular with regard to results and servicing activities. These records must be kept throughout the service life of the lifting points.

A sample for the documentation can be dowloaded from www.pewag.com.

Clean storage

pewag winner profilift lifting points must always be stored in a clean and dried condition and protected against corrosion, i.e. slightly lubricated.
The thread shafts must be protected from damage using appropriate means.

Important

With the exception of the RGS eyebolt, all pewag winner profilift lifting points may also be used as lashing points. The admissible lashing capacity is double the nominal load capacity, as a 2-fold safety factor applies to the securing of loads. For the PLBW lifting points, a 2.5-fold safety factor applies as lifting operations require a safety factor of 5. We recommend consulting the pewag technical service prior to using the lifting points as lashing points.

Example:
PLE/N 8 = 2,000 kg load capacity for lifting operations. As lashing point LC = 4,000 daN admissible lashing capacity

Please refer to our website www.pewag.com for detailed information on load capacities, measures and 3D models (section Lifting/Lifting Points). Each lifting point comes with a detailed operating manual in two languages.

Detailed original operating manuals for all our pewag quality products are available for download at www.pewag.com.
Our manuals are subject to a continuous improvement process to ensure that they are always up to date. For this reason, always refer to the latest version of a manual.

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