pewag

STRONG IS NOT ENOUGH

www.pewag.com

pewag winner profilift gamma

worldwide novelty of pewag

English E

pewag PLGW Eyebolt

pewag winner profilift gamma supreme eyebolt. Close to perfection.

A lifting point that was developed and manufactured according to the very latest standards also deserves a promising name: pewag winner profilift gamma supreme.
Simply tighten by hand, then align in the load direction – a system that is ideally suited for frequent assembly/ disassembly. 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.
The batch number displayed on all load-bearing parts such as the eye and screw as well as the serial number make identification, traceability and performance of mandatory, regular inspections simpler 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 in place 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 (re)assembled

PLGW supreme – tool-free handling

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 solely when it comes to assembly: mounting and removing requires the use of a hexagon Allen wrench. A special Allen key for the sizes M8-M20 is available upon request (Fig. 6).

Fig. 1: PLGW supreme rotatable

Fig. 2: PLGW supreme disassembly

PLGW basic – assembly with tools

Permitted usage
For load capacities in the permitted directions of pull (Fig. 3), please refer to the load capacity table on the following pages. 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 (Fig. 4)
- Loading ring rests against edges or loads
- Assembly with additional tools (e.g. extension) is not permitted (Fig. 5)

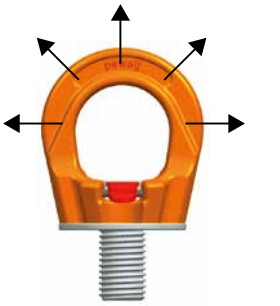


Fig. 3

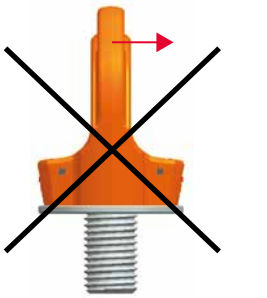


Fig. 4

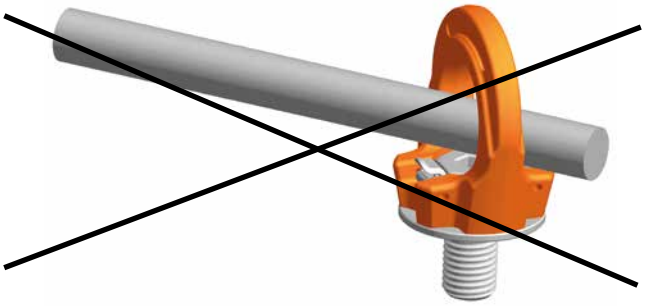


Fig. 5

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

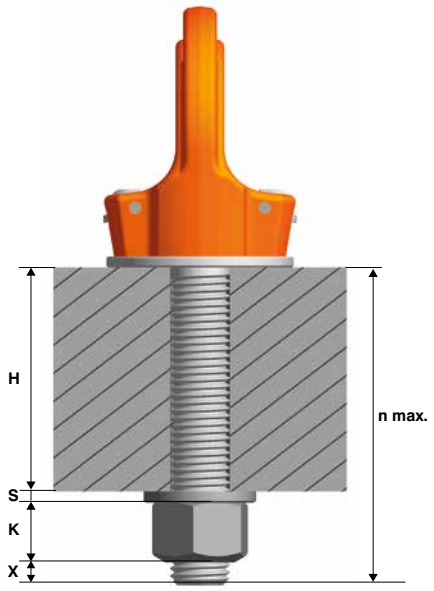
Calculating the required thread length (L):
L = H + S + K + X
H = Material height
S = Thickness of the washer
K = Height of the nut (depending on the thread size of the screw)
X = Excess length of the screw (twofold pitch of the screw)
L max. = n max.

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.

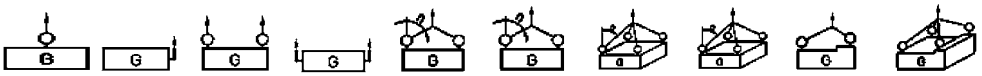
For detailed information such as method of lifting, number of legs, angle of inclination etc., please refer to the tables on the following two pages.

Assembly video PLGW

Fig. 6



pewag PLGW 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]**								
PLGW 0.3 t	M8	Simply tighten by hand	1,000	300	2,000	600	400	300	600	400	300	300
PLGW 0.5 t	M10		1,500	500	3,000	1,000	700	500	1,000	700	500	500
PLGW 0.7 t	M12		2,000	700	4,000	1,400	1,000	700	1,400	1,000	700	700
PLGW 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 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 3.2 t*	M24		6,500	3,200	13,000	6,400	4,500	3,200	6,700	4,800	3,200	3,200
PLGW 4 t	M30		12,000	4,000	24,000	8,000	5,600	4,000	8,200	6,000	4,000	4,000
PLGW 4.9 t*	M30		12,000	4,900	24,000	9,800	6,900	4,900	10,300	7,300	4,900	4,900
PLGW 7 t	M36		15,000	7,000	30,000	14,000	9,800	7,000	14,700	10,500	7,000	7,000
PLGW 9 t	M42		22,000	9,000	44,000	18,000	12,600	9,000	18,900	13,500	9,000	9,000
PLGW 12 t	M48		30,000	12,000	60,000	24,000	16,800	12,000	25,000	18,000	12,000	12,000

* Higher load capacity, soon only available in this design!

Code	**Thread [inch]**	**Fastening torque [lb/ft]**	**Load capacity [lbs]**								
PLGW U 3/8	3/8"-16	Simply tighten by hand	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		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		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		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		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		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		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		40,000	19,800	80,000	39,600	27,700	19,800	41,500	29,700	19,800	19,800

Safety factor 4

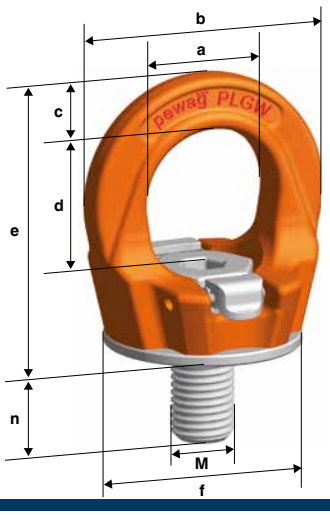
Important: Subject to technical changes!

For 3D data on the lifting points, visit www.pewag.com

Code	Thread [mm]	Load capacity [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	Ø f [mm]	n [mm]	n max. [mm]	⬡ [mm]	Weight [kg/unit]
PLGW 0.3 t	M8	300	25	45	10	27	53	35	15	90	6	0.17
PLGW 0.5 t	M10	500	25	45	10	27	53	35	15	160	6	0.18
PLGW 0.7 t	M12	700	30	55	12	32	63	43	20	160	8	0.29
PLGW 1.5 t	M16	1,500	35	64	14	36	70	50	25	160	10	0.45
PLGW 2.3 t	M20	2,300	40	73	16	41	81	54	30	160	12	0.62
PLGW 3.2 t	M24	3,200	50	86	18	50	93	69	35	-	14	1.10
PLGW 4 t (4.9 t)	M30	4,000	60	110	25	60	114	90	45	-	17	2.20
PLGW 7 t	M36	7,000	70	132	31	70	136	108	55	-	19	3.90
PLGW 9 t	M42	9,000	80	152	36	72	153	126	65	-	22	5.80
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]	Ø f [inch]	n [inch]	n max. [inch]	⬡ [inch]	Weight [lbs/unit]
PLGW U 3/8	3/8"-16	1,100	0.98	1.77	0.39	1.04	2.09	1.38	0.60	-	1/4"	0.40
PLGW U 1/2	1/2"-13	1,500	1.18	2.17	0.47	1.26	2.48	1.69	0.80	-	5/16"	0.64
PLGW U 5/8	5/8"-11	3,300	1.38	2.52	0.55	1.40	2.76	1.97	1.00	-	3/8"	0.99
PLGW U 3/4	3/4"-10	4,400	1.57	2.87	0.63	1.59	3.19	2.13	1.20	-	1/2"	1.37
PLGW U 1	1"-8	6,600	1.97	3.39	0.71	1.97	3.66	2.72	1.40	-	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	1.80	-	5/8"	4.85
PLGW U 1 1/2	1 1/2"-6	15,400	2.76	5.20	1.22	2.76	5.35	4.25	2.20	-	7/8"	8.60
PLGW U 1 3/4	1 3/4"-5	19,800	3.15	5.98	1.42	2.83	6.02	4.96	2.60	-	1"	12.80

Important: Subject to technical changes!



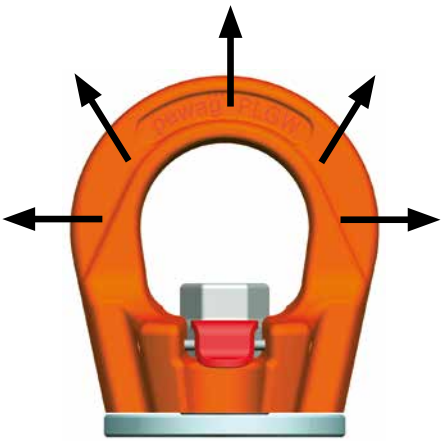
pewag PLGW-SN SUPREME Screw nut

Globally unique.

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.

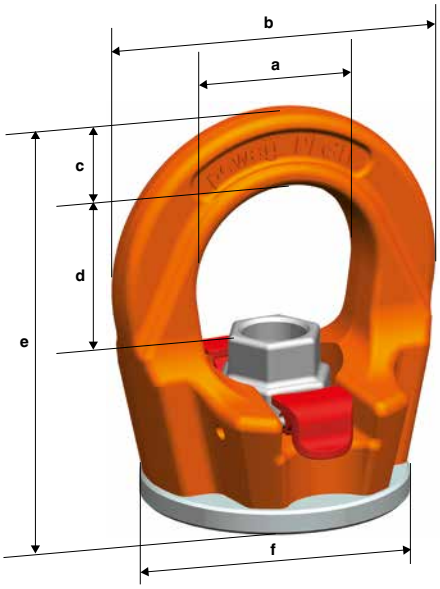
For additional details and information, please refer to the full operating manual.

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



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

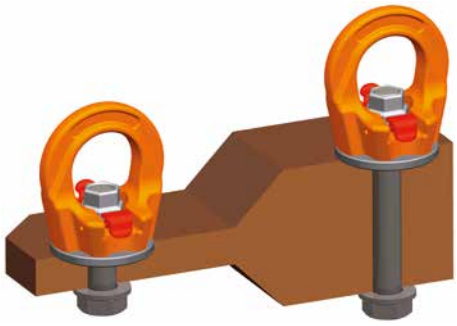
Non-permitted usage
During assembly, ensure that improper loading cannot arise due to any of the following factors:
- Direction of pull is obstructed
- Direction of pull is not within the indicated area
- Loading ring rests against edges or loads



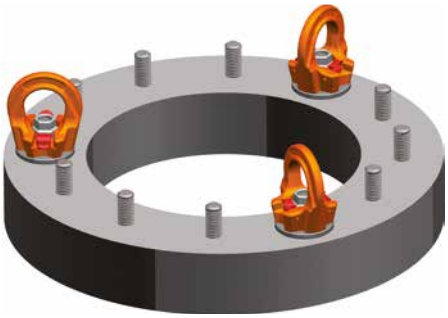
Each lifting point comes with an individual serial number.
Also available with peTAG upon request.

Assembly video PLGW-SN

Application 1: Use of PLGW or PLGW-SN



Application 2: Different material thicknesses



Application 3: Existing threaded bolts

For 3D data on the lifting points, visit www.pewag.com

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	9,800	6,900	4,900	10,300	7,300	4,900	4,900

* Load capacity applies to crack-tested screws in strength category 10.9

Code	Thread [mm]	Load capacity* [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	Ø f [mm]	⬡ [mm]	Weight [kg/unit]
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	0.55
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	2.00

* Load capacity applies to crack-tested screws in strength category 10.9

pewag PLGWI Eyebolt

PLGWI pewag winner profilift gamma inox – patented, rust-resistant comfort.

Naturally, the PLGW lifting point is also available in a corrosion-resistant version – as the PLGWI eyebolt, offering 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.

Additional benefits of the PLGW inox lifting point:
- Extendable areas of application thanks to Duplex steel with heightened corrosion-resistance
- With 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).
- The latch is held in place 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 (re-)assembled

Fig. 1: PLGWI supreme rotatable

Fig. 2: PLGWI supreme disassembly

PLGWI supreme – tool-free handling

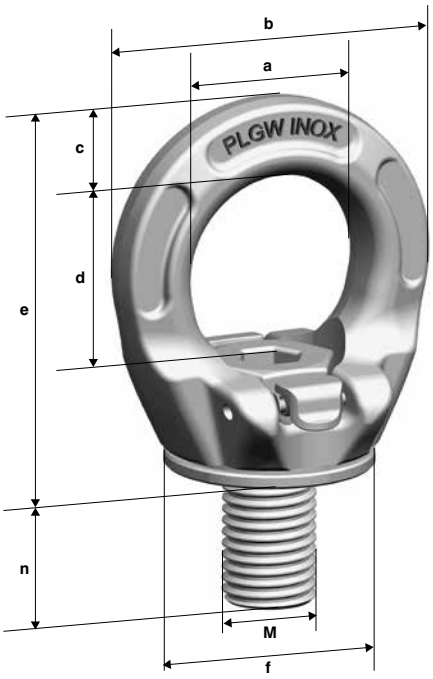
PLGWI basic:
A simplified alternative is the pewag PLGWI pewag winner profilift gamma inox basic. Offering the same benefits as the pewag PLGWI supreme in terms of measurement, load capacity and application, the pewag PLGWI basic differs solely when it comes to assembly, as mounting and removing requires the use of a hexagon Allen wrench.

PLGWI basic – assembly with tools

For the “Supreme” version of the PLGWI lifting point, the name really says it all: Its tool-free assembly is patented and unique. The “Basic” version requires a hexagon Allen wrench for mounting and removal. This 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.

Permitted usage
For load capacities in the permitted directions of pull (Fig. 3), please refer to the load capacity table on the following page.
- 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 (Fig. 4)
- Loading ring rests against edges or loads



Please refer to the following page for all corresponding values

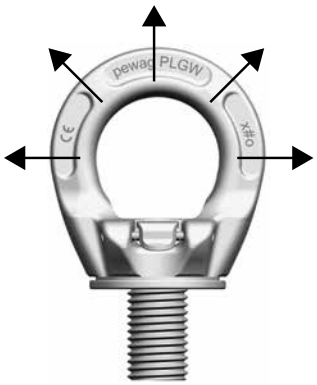


Fig. 3

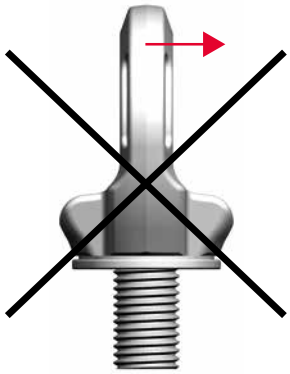


Fig. 4

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

Each lifting point comes with an individual serial number.

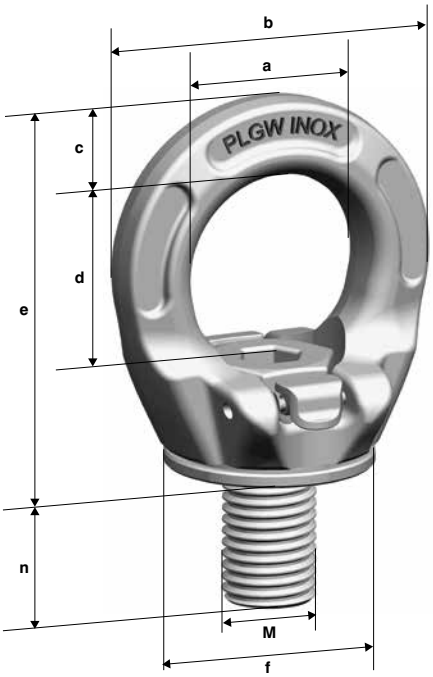
For detailed information such as method of lifting, number of legs, angle of inclination etc., please refer to the tables on the following two pages.

Assembly video PLGW

pewag PLGWI 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 M20	M20	Simply tighten by hand	3,800	2,000	7,600	4,000	2,800	2,000	4,200	3,000	2,000	2,000

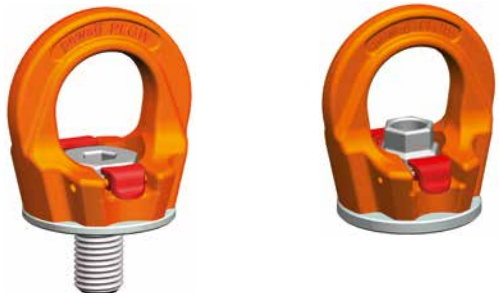
Code	Thread [mm]	Load capacity [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	Ø f [mm]	n [mm]	n max. [mm]	⬡ [mm]	Weight [kg/unit]
PLGWI M20	M20	2,000	40	72	17	40	80	45	30	160	12	0.60

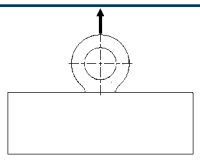
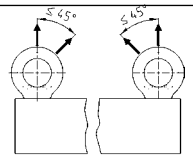
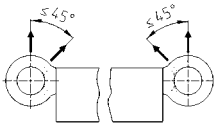


For 3D data on the lifting points, visit www.pewag.com

PLGW in comparison: game, set and match

- Significantly higher load capacity with the same thread size
- Rotatable by 360°, thus adjustable in the load direction
- Four-fold safety factor under break in all directions
- 100 % crack-tested screw

PLGW Eyebolts and/or PLGW-SN Ring nut	DIN 580 Eyebolt and/or DIN 582 Ring nut
	

	Product	PLGW (SN)	DIN 580 / DIN 582		PLGW (SN)	DIN 580 / DIN 582	
	Thread size	**M12**	M12	1*) 2*)	**M36**	M36	1*) 2*)
	Nominal load capacity	**0.7 t**	0.34 t		**7 t**	4.6 t	
	WLL	**2 t**	0.34 t	M30	**15 t**	4.6 t	M64
	Breaking load limit	**8 t**	2.04 t		**60 t**	27.6 t	
	WLL (< 45°)	**0.7 t**	0.24 t	M20	**7 t**	3.3 t	M56
	Breaking load limit (< 45°)	**2.8 t**	1.44 t		**28 t**	19.8 t	
	WLL (< 45° lateral)	**0.7 t**	0.17 t	M24	**7 t**	2.3 t	M64
	Breaking load limit (< 45° lateral)	**2.8 t**	1.02 t		**28 t**	13.8 t	

1*) Refers to the size DIN 580 required to carry the same load as the pewag profilift gamma (in the appropriate direction of loading).

Mode of application: Single-leg, straight pull, load= 2 t,
required thread size pewag PLGW: M12,
required thread size eyebolt DIN 580: M30

Mode of application: Multi-leg sling

2*) The carrying capacity of DIN 580 applies only if the screws are screwed in completely and rest on the load with the entire contact surface. Since it is highly likely that at least one screw is loaded in the wrong direction, pewag recommends the adjustable eyebolts PLGW, which may always be aligned with the direction of pull.

Size comparison PLGW M12 – DIN 580-M30

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