

# PLGW pewag winner profilift gamma

pewag winner profilift gamma supreme – tighten by hand, then align in the load direction, a lifting point that has been developed and produced with the new standards in mind. The patented system has proven itself from the beginning.

It is 360° rotatable, contains a patented and interchangeable special screw, which is 100% crack-tested as well as covered with a chrome VI-free finish-protection against corrosion and marked with WLL and thread size.

### Tool-free assembly and disassembly

The latch in pos. 1 does not have any contact with the screw (picture 1).

- The latch is kept in position with a patented spring
- Eye bolt is rotatable

The latch in pos. 2 has contact with the screw (picture 2).

- The latch is kept in position with a patented spring
- Eye bolt is not rotatable i.e. the fastening torque is transmitted to the screw and thus the eye bolt can be (re)assembled

A considerably simplified alternative is the pewag PLGW pewag winner profilift gamma basic. With the same benefits as the pewag PLGW supreme in terms of measurement, carrying capacity and application, the pewag PLGW basic differs solely in the assembly: mounting and removing requires the use of a hexagon Allen wrench.



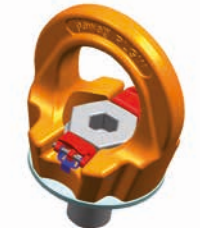
PLGW Supreme – tool-free assembling



PLGW Basic – screw on with tools



Picture 1 PLGW Supreme rotatable

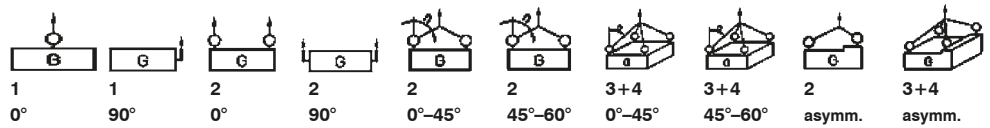


Picture 2 PLGW Supreme dis-assembly

### Method of lifting

#### Number of legs

#### Angle of inclination



Code	Thread [mm]	Fastening torque [Nm]	Load capacity [kg]									
PLGW 0,3 t	M8	Can be tightened manually	800	300	1.600	600	400	300	600	400	300	300
PLGW 0,5 t	M10		1.100	500	2.200	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 t	M20		5.000	2.000	10.000	4.000	2.800	2.000	4.200	3.000	2.000	2.000
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 t	M24		6.500	3.000	13.000	6.000	4.200	3.000	6.200	4.500	3.000	3.000
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 carrying capacity, soon only available in this design!

Code	Thread [inch]	Fastening torque [lb/ft]	Load capacity [lbs]									
PLGW U 3/8	3/8"-16	Can be tightened manually	2.400	1100	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	1500	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	3300	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

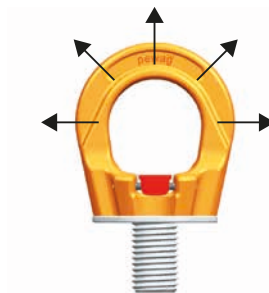
Safety factor 4

Attention: Subject to technical changes!

**Permissible usage**

Load capacity acc. to the inspection certificate table of WLL in the shown directions of pull (see picture 3).

- Adjust the lifting point in the permitted load direction before loading
- Loadable with a 4-fold safety under break in all directions



Picture 3



Picture 4

**Non permissible usage**

Make sure when choosing the assembly that improper loading can not arise e.g. if:

- The direction of pull is obstructed
- Direction of pull is not in the foreseen area (see picture 4)
- Loading ring rests against edges or loads

For more details please reference our user manual.

**To calculate the necessary 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)

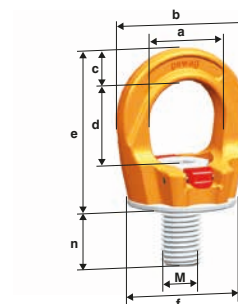
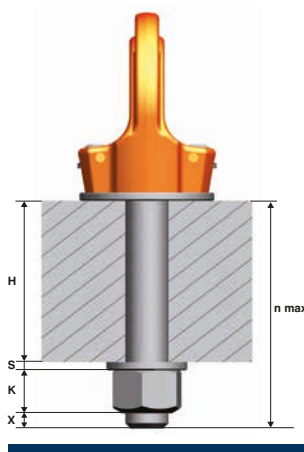
X = Excess length of the screw (twofold pitch of the screw)

L max. = n max.

In case of requesting a lifting point with a special thread length, please mention the requested thread length "L".

pewag provides, along with the standard and maximum thread lengths, specially customised thread lengths.

Supplied customised and maximum thread lengths include a washer and a crack-tested, corrosion-protected screw nut.



Each lifting point is marked with an individual serial number.

Code	Thread [mm]	Load capacity [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	Ø f [mm]	n [mm]	n max. [mm]	Hex [mm]	Weight [kg/pc.]
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 t (2,3 t)	M20	2.000	40	69	16	41	78	54	30	160	12	0,58
PLGW 3 t (3,2 t)	M24	3.000	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]	Hex [inch]	Weight [lbs/pc.]
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	2,72	0,63	1,59	3,07	2,13	1,20	-	1/2"	1,28
PLGW U 1	1"-8	6.600	1,97	3,39	0,71	1,97	3,82	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

Attention: Subject to technical changes!

# PLGW-SN pewag winner profilift gamma supreme

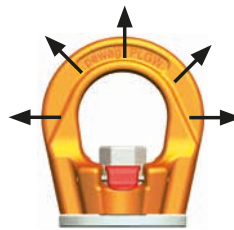
pewag's new PLGW-SN pewag winner profilift gamma supreme lifting eye nut is the logical continuance to the successful PLGW product portfolio. This product is unsurpassed worldwide due to the main principle being based on tool-free installation. The product is used in those areas where a threaded bolt on the load is used instead of a simple thread. Furthermore, there is a possibility to mount the lifting point PLGW-SN with a commercially available (standard) screw through the clearance hole. The benefit of the PLGW-SN is that no matter the width of the load, the same lifting point can be used – all one needs are standard screws with different screw lengths. For more details, please refer to the instruction manual.

**Further benefits of the PLGW-SN lifting points supreme are:**

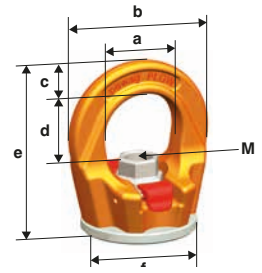
- Tools are not necessary for assembling or disassembling
- The time saving aspect especially when frequent (dis)assembling takes place
- Rotatable (load direction adjustment)
- In all directions loadable



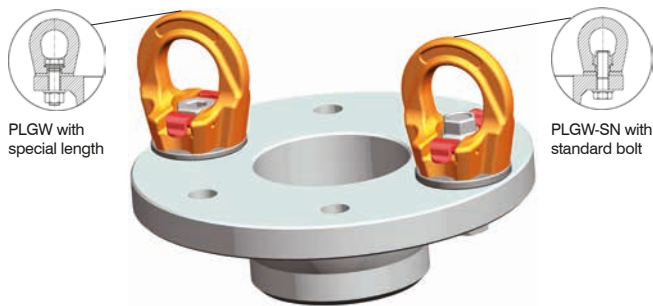
Picture 1



Picture 2



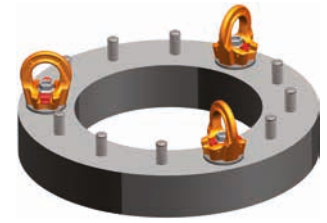
Picture 3



Applicaton 1: Employment PLGW or PLGW-SN

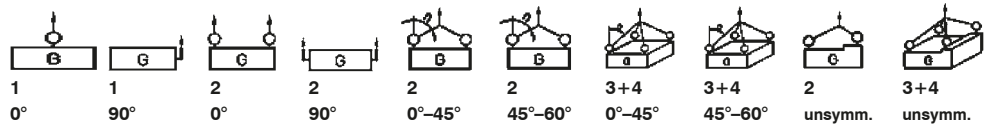


Application 2: Differing load thickness/width



Application 3: Available Threaded Bolts

Type of application  
Number of legs  
Angle of inclination



Code	Thread [mm]	Load capacity * [kg]	
PLGW-SN 0,3 t	M8	800	300
PLGW-SN 0,5 t	M10	1.100	500
PLGW-SN 0,7 t	M12	2.000	700
PLGW-SN 1,5 t	M16	4.000	1.500
PLGW-SN 2,3 t	M20	5.000	2.300
PLGW-SN 3,5 t	M24	6.500	3.500
PLGW-SN 4,9 t	M30	12.000	4.900

Code	Thread [mm]	Load capacity * [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	Ø f [mm]	Hexagon [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	69	16	34	80	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	2,00

\* Load capacity only valid for crack tested screws with screw strength class at least 10.9

# Comparison between PLGW/PLGW-SN pewag profilift gamma and eyebolt DIN 580

## Why should I use PLGW pewag profilift gamma?

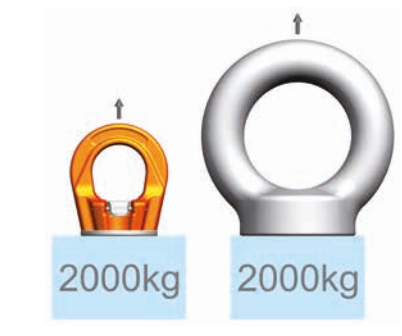
PLGW pewag profilift gamma supreme eyebolt resp. PLGW-SN pewag profilift gamma supreme eye nut		Eye bolt according to DIN 580 resp. Eye bolt according to DIN 582					
	Product	PLGW (SN)	DIN 580 / DIN 582		PLGW (SN)	DIN 580 / DIN 582	
	Thread size	M12	M12	1*) 2*)	M36	M36	1*) 2*)
	Nominal load capacity	0,7 t	0,34 t		7 t	4,6 t	
	Working load limit WLL	<b>2 t</b>	0,34 t	M30	<b>15 t</b>	4,6 t	M64
	Breaking load limit	<b>8 t</b>	2,04 t		<b>60 t</b>	27,6 t	
	WLL (< 45°)	<b>0,7 t</b>	0,24 t	M20	<b>7 t</b>	3,3 t	M56
	Breaking load limit (< 45°)	<b>2,8 t</b>	1,44 t		<b>28 t</b>	19,8 t	
	WLL (< 45° side loaded)	<b>0,7 t</b>	0,17 t	M24	<b>7 t</b>	2,3 t	M64
	Breaking load limit (< 45° side loaded)	<b>2,8 t</b>	1,02 t		<b>28 t</b>	13,8 t	

1\*) What size DIN 580 is needed to carry the same load as the pewag profilift gamma (in the appropriate direction of loading).

**Application:** Single-sling, direct load, Load = 2 t.  
Required thread size pewag PLGW: M12  
Required thread size eye bolt acc. to DIN 580: M30

**Application:** Multi leg sling

2\*) The carrying capacity of DIN 580 shall apply only if the screws are screwed in completely and rest on the load with the entire contact surface. Since it is very likely in this case, that at least one screw is loaded in the wrong direction, pewag recommends the adjustable eye bolts PLGW. Those can always be aligned in the tensile direction.



Size comparison PLGW M12 – DIN 580-M30