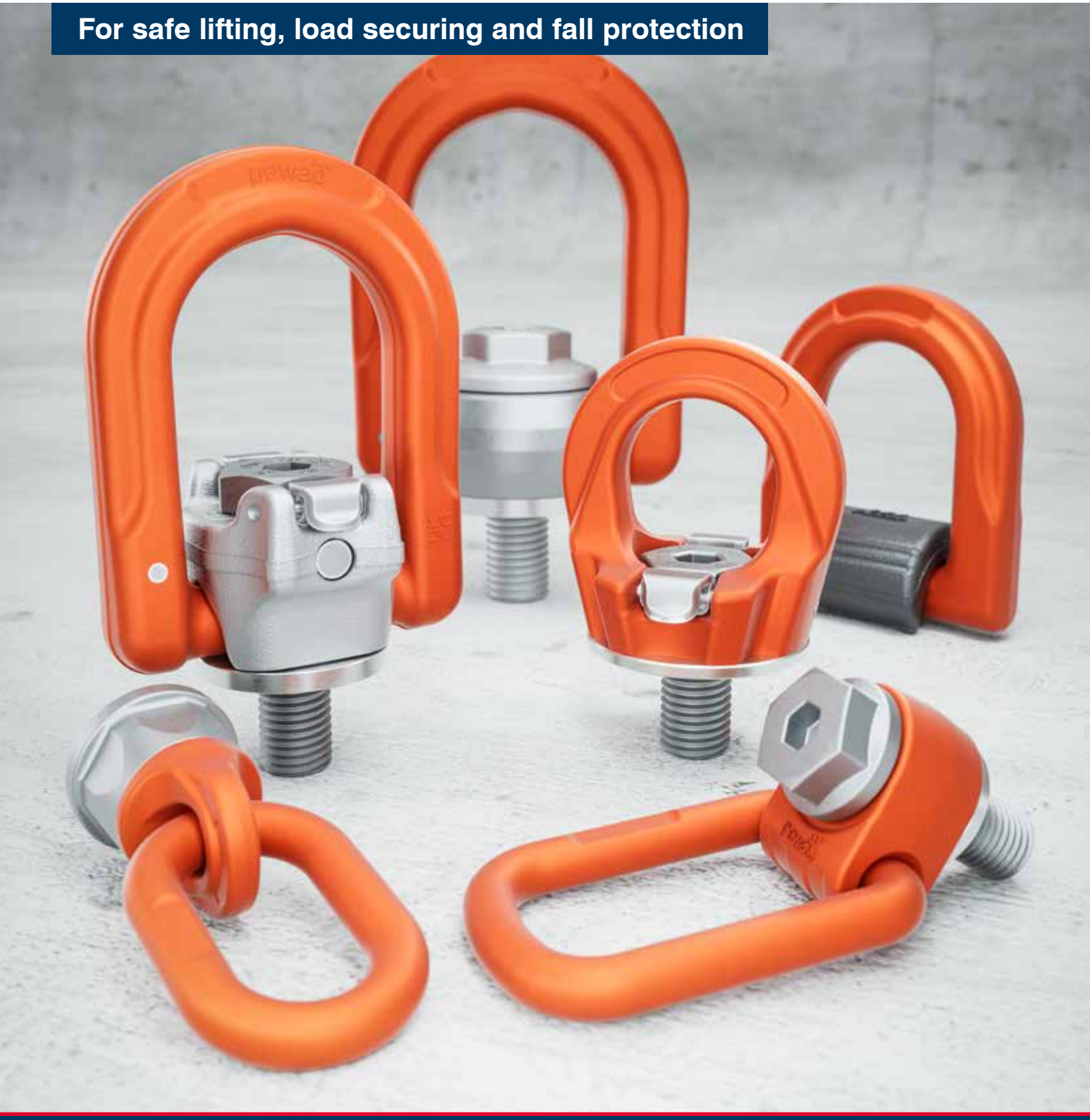
pewag
lifting solutions

pewag winner pro points

For safe lifting, load securing and fall protection



English EN

pro points advisor

Find the right pewag pro point for your application.
The pewag pro points advisor selects the right pro point for your operation and industry.

Start now

Content

Screw-in and weldable lifting points from pewag.

pewag winner pro points lifting points set new standards for the lifting and moving of loads. Our innovative product range offers highest standards when it comes to quality, safety and user-friendliness. All products are compatible with the popular pewag winner lifting chain programme.

LEEA Full Member

We are part of the **pewag group**

pewag lifting solutions is part of an internationally operating group of companies. Our success story goes back to the year 1479.

WHAT DRIVES US

Through our entrepreneurial spirit - shaped by the joy of innovation - we strive to offer the best solutions for the market. Today and in the future.

The high quality of our brands, products and services, as well as the passionate commitment of our employees are our most valuable assets to exceed customer expectations and to live up to our corporate responsibility towards people and environment.

LEADING TO EXCELLENCE

striving for excellence in QUALITY

The values of the pewag group brands are demonstrated by our first-class quality and continuous innovation. You can rely on us.

striving for excellence in RESPONSIBILITY

Our goal is CO_2 neutral production by 2030. We live sustainable and fair partnerships and an open way of working together. We take on social as well as environmental responsibility.

striving for excellence in ENTREPRENEURSHIP

Through the specific expertise of each individual and decentralized responsibilities, we ensure healthy growth and a sustainably successful future.

striving for excellence in TECHNOLOGY

We ensure our technological strength by striving for quality, continuous improvement and innovation of our products and production processes.

FROM AUSTRIA....

1479
First documentary mention of the forge

1787
Foundation of the chain forge in Kapfenberg

1803
Foundation of the location in Graz

1836
Establishment of an iron casting plant in Brückl

1912
Production of the first pewag snow chain

2009
pewag develops into an international group of companies

2021
Extensive investment in renewable energies. Goal: CO_2-neutral production by 2030

....ACROSS THE GLOBE

IN A SUSTAINABLE WAY

Social Excellence

The corporate ethics of the pewag group are based on our clear commitment to universal human rights. As a globally active group of companies, we bear a social and corporative responsibility. This applies in particular to our employees. Their occupational safety and health protection are our top priority. We promote their personal and professional development and foster a culture of open, honest, non-discriminatory and team-oriented exchange based on transparent communication. We apply the same standards in our dealings with customers, suppliers and other business partners.

Environmental Excellence

We are committed to a careful and sustainable approach to the environment. This applies to all areas and activities of our group of companies. For us, it is a matter of course to use resources as efficiently as possible and to ensure this also in the future through new environmentally friendly and efficient processes. We are continuously working to optimize the durability and recyclability of our products. In this context, one of our core concerns is to continuously improve our energy efficiency and thus reduce energy consumption in the long term. The energy we use comes from renewable energy sources and is already partly generated by ourselves.

WHAT DEFINES US

Snow and forestry chains

Hoist and conveyor chains

Do-it-yourself

Engineering

Lifting solutions

Tire protection chains

Our Expertise.

Our international brands have an extensive and diverse range of products and services.

The portfolio ranges from traction chains for tires, tire protection chains for mining vehicles over a wide range of technical chains and innovative lifting solutions up to products for the do-it-yourself area as well as forming technology.

Our Network.

With over 50 locations on five continents, the pewag group forms a global platform of product specialists, partners and suppliers.

This community is strengthened by a large network of external experts from science, research and development and a wide range of brands and companies within the group.

Our Experience.

Based on centuries of experience, genuine craftsmanship and innovative technologies we process the highest quality materials with the claim to offer the best solutions on the market.

What unites us as people within the pewag group is the strong ambition for continuous development.

pewag peTAG solution

Your smart solution
for efficient product management

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

peTAG solution

The intelligent solution for clear object identification, seamless data transfer, servicing of objects, safe archiving of data, efficient interaction with partner companies and much more.

peTAG manager

PC and mobile end devices work hand in hand with this adaptable, high-performance platform that stands out in any working environment and improves data quality at the same time. Additional, expensive reading devices and manual data transfer belong to the past.

Intelligent software
User-specific adaptation of object data, inspection processes and steps. Automated compilation, dispatch and archiving of inspection reports. Sophisticated authorisation concept.

Save time & money
Efficient documentation of working processes, thereby making daily workflows easier. Seamless data exchange, error-free data communication.

Mobile solution
Direct, location-independent data retrieval (e. g. working load limit, safety information, latest inspection report etc.). Smart servicing of objects via the mobile app. Offline availability.

Linked partnerships
Easy exchange and efficient interaction between service providers, dealers 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 inspection data. Documented inspection. Full traceability of the object history.

INNOVATIVE SOLUTIONS for Your Needs

Screwable lifting points, weldable lifting and lashing points, weldable hooks, anchorage points.

Variety has a name: pewag! The pro points product portfolio consists of high-quality products that are perfectly suitable for almost any application.

Screwable lifting points

PLAW alpha	Code	Thread [mm]	Working load limit [kg]
	PLAW 0,3 t	M8	300
	PLAW 0,63 t	M10	630
	PLAW 1 t	M12	1.000
	PLAW 1,5 t	M16	1.500
	PLAW 2,5 t	M20	2.500
	PLAW 4 t	M24	4.000
	PLAW 6 t	M30	6.000
	PLAW 7 t	M36	7.000
	PLAW 8 t	M36	8.000
	PLAW 10 t	M42	10.000
	PLAW 15 t	M42	15.000
	PLAW 20 t	M48	20.000

PLGW gamma	Code	Thread [mm]	Working load limit [kg]
	PLGW 0,3 t	M8	300
	PLGW 0,5 t	M10	500
	PLGW 0,7 t	M12	700
	PLGW 1,5 t	M16	1.500
	PLGW 2,3 t	M20	2.300
	PLGW 3,2 t	M24	3.200
	PLGW 4,9 t	M30	4.900
	PLGW 7 t	M36	7.000
	PLGW 9 t	M42	9.000
	PLGW 12 t	M48	12.000

PLGW-SN gamma	Code	Thread [mm]	Working load limit [kg]
	PLGW-SN 0,3 t	M8	300
	PLGW-SN 0,5 t	M10	500
	PLGW-SN 0,7 t	M12	700
	PLGW-SN 1,5 t	M16	1.500
	PLGW-SN 2,3 t	M20	2.300
	PLGW-SN 3,5 t	M24	3.500
	PLGW-SN 4,9 t	M30	4.900

PLGWI Gamma inox	Code	Thread [mm]	Working load limit [kg]
	PLGWI 0,5 t	M12	500
	PLGWI 1 t	M16	1.000
	PLGWI 2 t*	M20	2.000

* Differs from picture shown

PLDW delta	Code	Thread [mm]	Working load limit [kg]
	PLDW 0,3 t	M8	300
	PLDW 0,5 t	M10	500
	PLDW 0,7 t	M12	700
	PLDW 1 t	M14	1.000
	PLDW 1,5 t	M16	1.500
	PLDW 2,5 t	M20	2.500
	PLDW 4 t	M24	4.000
	PLDW 5,3 t	M30	5.300
	PLDW 6,7 t	M30	6.700
	PLDW 8 t	M36	8.000
	PLDW 10 t	M42	10.000
	PLDW 12 t	M45	12.000
	PLDW 13 t	M48	13.000
	PLDW 13 t	M52	13.000
	PLDW 24 t	M56	24.000
	PLDW 25 t	M64	25.000
	PLDW 40 t	M72	40.000
	PLDW 45 t	M80	45.000
	PLDW 55 t	M90	55.000
	PLDW 55 t	M100	55.000

pewag winner pro points – lifting points 2.0

Screwable lifting points

PLZW-FIX-SP and PLZW zeta	Code	Th-read [mm]	WLL S[1)]=5:1 [kg]	WLL S[1)]=4:1 [kg]
	PLZW-FIX-SP 0,4t*	M8	400	500
	PLZW-FIX-SP 0,63t*	M10	630	780
	PLZW-FIX-SP 0,95*	M12	950	1.180
	PLZW-FIX-SP 1,3t*	M14	1.300	1.600
	PLZW-FIX-SP 1,8t*	M16	1.800	2.250
	PLZW-FIX-SP 2,2t*	M18	2.200	2.750
	PLZW-FIX-SP 2,5t*	M20	2.500	3.100
	PLZW-FIX-SP 3,7t*	M22	3.700	4.600
	PLZW-FIX-SP 4t*	M24	4.000	5.000
	PLZW-FIX-SP 5,4t	M27	5.400	6.700
	PLZW-FIX-SP 6,3t	M30	6.300	7.800
	PLZW-FIX-SP 8t	M33	8.000	10.000
	PLZW-FIX-SP 10t	M36	10.000	12.500
	PLZW-FIX-SP 13t	M42	13.000	16.200
	PLZW-FIX-SP 15t	M48	15.000	18.700

[1)] S= Safety Factor
*Also available in the easily dismountable version as PLZW.
Please note the three different versions of this lifting point. See page 34.

PLZW zeta rapid	Code	Thread [mm]	Working load limit [kg]
	PLZW-R 0,4t	M10	400
	PLZW-R 0,5t	M12	500
	PLZW-R 1,1t	M16	1.100
	With an exclusive Click-and-Go function		

PLZW-DW DW15	Code	Thread [mm]	Working load limit [kg]
	PLZW-DW 15	DW 15	3600

PLOW omega	Code	Thread [mm]	Working load limit [kg]
	PLOW 0,4 t	M8	400
	PLOW 0,8 t	M10	800
	PLOW 1,2 t	M12	1.200
	PLOW 2 t	M16	2.000
	PLOW 3,4 t	M20	3.400
	PLOW 4,7 t	M24	4.700

PLTW theta	Code	Thread [mm]	Working load limit [kg]
	PLTW 3,15t	M16	3.150
	PLTW 4,5t	M20	4.500
	PLTW 10t	M30	10.000
	PLTW 16t	M36	16.000

RGS Eyebolt	Code	Thread [mm]	Working load limit [kg]
	RGS 8	M8	400
	RGS 10	M10	700
	RGS 12	M12	1.000
	RGS 14	M14	1.200
	RGS 16	M16	1.500
	RGS 20	M20	2.500
	RGS 24	M24	4.000
	RGS 30	M30	6.000
	RGS 36	M36	8.000
	RGS 42	M42	10.000
	RGS 48	M48	18.000

Weldable lifting and lashing points and weldable hooks

PLE/N eta	Code	Working load limit [kg]
	PLE/N 6	1.120
	PLE/N 8	2.000
	PLE/N 10	3.150
	PLE/N 13	5.300
	PLE/N 16	8.000
	PLE/N 22	15.000

PLKW kappa	Code	Working load limit [kg]
	PLKW 4t	4.000
	PLKW 7t	7.000
	PLKW 10t	10.000
	PLKW 16t	16.000
	PLKW 32,5t	32.500

PLEW eta	Code	Working load limit [kg]
	PLEW 1,5 t CR	1.500
	PLEW 2,5 t CR	2.500
	PLEW 4 t CR	4.000
	PLEW 6,7 t	6.700
	PLEW 10 t	10.000
	PLEW 19 t	19.000

CR = The PLEW is available in selected sizes as a CRYO variant

AWHW Weld-on hook	Code	Working load limit [kg]
	AWHW 1,3	1.300-
	AWHW 3,8	3.800-
	AWHW 6,3	6.300-
	AWHW 10	10.000-

PLEW-LC eta	Code	Max. lashing capacity LC [daN]
	PLEW-LC 3000	3.000
	PLEW-LC 5000	5.000
	PLEW-LC 8000	8.000
	PLEW-LC 13400	13.400
	PLEW-LC 20000	20.000

Anchorage points - fall protection

PLGW-PSA Fall protection	Code	Persons
	PLGW PSA M12	1
	PLGW PSA M16	2
	PLGW PSA M20	2

Stainless anchorage points - fall protection

PLGWI-PSA Fall protection	Code	Persons
	PLGWI PSA M12	1
	PLGWI PSA M16	2

RoRo	Code	Lashing capacity [daN]
	Ro-Ro 10.000daN	10.000

Use our service and explore the individual pro points in detail through the 3D animation!

Comparison between pewag lifting points / Icons

	PLAW alpha	PLGW gamma	PLGW-SN gamma	PLGWI gamma inox	PLDW delta	PLZW-FIX-SP and PLZW zeta	PLZW zeta rapid	PLZW-DW DW15	PLOW omega
peTAG chip — Optionally available with pewag peTAG NFC chip	✓	✓	✓	✓	✓	✓	✓	✓	✓
Spare parts — Spare parts are available	✓	✓	✓	-	-	✓	-	-	✓
SL/MAXL — Maximum and special length	✓	✓	-	✓	✓	✓	-	-	✓
metric — Available with a metric thread	✓	✓	✓	✓	✓	✓	✓	-	✓
UNC — Available with an UNC thread	✓	✓	-	-	✓	✓	-	-	-
PIP — Optional with PIP identification plug / colour marking	✓	✓	✓	✓	✓	✓	✓	✓	✓
YY/XXXX serial number — Comes with an individual serial number	✓	✓	✓	✓	✓	✓	✓	✓	✓
Anti-corrosion coating	✓	✓	✓	-	✓	✓	✓	✓	✓
EU — Developed and manu-factured in Europe	✓	✓	✓	✓	✓	✓	✓	✓	✓
PLGIS — May be used with a PLGIS Allen key	-	✓	-	✓	-	-	-	-	-
Crack-tested screw	✓	✓	✓	✓	-	✓	-	-	✓
4:1 — Safety factor 4:1	✓	✓	✓	✓	✓	-	-	-	✓
5:1 — Safety factor 5:1	-	-	-	-	-	✓	✓	-	-
NM — Torque marking	-	-	-	-	✓	✓	✓	✓	✓

									
PLTW theta	RGS eyebolt	PLE/N eta	PLEW eta	PLEW-LC eta	RoRo	PLKW kappa	AWHW weld-on hook	PLGW-PSA fall protection	PLGWI-PSA fall protection
-	-	-	✓	✓	-	-	-	✓	✓
-	-	-	-	-	-	-	✓	✓	-
-	-	-	-	-	-	-	-	✓	✓
✓	✓	-	-	-	-	-	-	✓	✓
-	-	-	-	-	-	-	-	-	-
-	-	-	✓	✓	-	-	-	✓	✓
✓	-	-	✓	-	-	✓	-	✓	✓
✓	✓	✓	✓	-	-	✓	✓	✓	✓
✓	-	✓	✓	✓	✓	✓	✓	✓	✓
-	-	-	-	-	-	-	-	✓	✓
✓	-	-	-	-	-	-	-	✓	✓
✓	✓	✓	✓	-	-	✓	✓	-	-
-	-	-	-	-	-	-	-	-	-
✓	-	-	-	-	-	-	-	-	-

Comparison between pewag lifting points / Icons

	PLAW alpha	PLGW gamma	PLGW-SN gamma	PLGWI gamma inox	PLDW delta	PLZW-FIX-SP and PLZW zeta	PLZW zeta rapid	PLZW-DW DW15	PLOW omega
coloring Special colours available upon request	✓	✓	✓	✓	✓	✓	✓	✓	✓
3D 3D CAD Drawings available	✓	✓	✓	✓	✓	✓	✓	✓	✓
INOX Products made from stainless steel / rust-resistant	-	-	-	✓	-	-	-	-	-
PPE Personal protection equipment	-	-	-	-	-	-	-	-	-
Ring adjustable in any position (spring function)	✓	-	-	-	-	✓ optional	-	-	-
Screw is exchangeable	✓	✓	-	✓	-	✓	-	-	-
PAT Patented	✓	✓	✓	-	-	✓	-	-	✓
24h Customised and maximal length manufactured within 24 h	✓	✓	-	✓	✓	✓	-	-	✓
Online training available via pewag academy	✓	✓	✓	-	✓	✓	✓	✓	✓
Ring may be removed without tools	-	-	-	-	-	✓	-	-	-
360° 360° rotatable	✓	✓	✓	✓	✓	✓	✓	✓	✓
360° under load Rotatable under load	-	-	-	-	✓	-	-	-	✓
toolfree Tool-free assembly possible	-	✓	✓	-	-	-	✓	-	✓
-40°C -40°C	✓	✓	✓	✓	✓	-	-	-	-
-20°C -20°C	-	-	-	-	-	✓	✓	✓	✓

									
PLTW theta	RGS eyebolt	PLE/N eta	PLEW eta	PLEW-LC eta	RoRo	PLKW kappa	AWHW weld-on hook	PLGW-PSA fall protection	PLGWI-PSA fall protection
✓	-	✓	✓	✓	-	✓	-	-	-
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
-	-	-	-	-	-	-	-	-	✓
-	-	-	-	-	-	-	-	✓	✓
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✓	-	✓	-	✓	-	✓	-	-	-

pewag PLAW alpha

This lifting point is 360° rotatable. The load ring is rotatable across a wide range and can be positioned at any required angle due to its replaceable and patented spring. The hexagonal special screw is also replaceable and secured against loss. The PLAW pewag winner pro points alpha screw is made from 10,9 grade material, 100% crack-tested, covered with a chromate VI-free protection agent against corrosion and marked with the working load limit and thread size.

The pewag winner pro points alpha screw is able to withstand a 4-fold safety factor against breakage in all directions and every single lifting point is marked with an individual serial number. pewag winner pro points alpha is available with metric or UNC-thread. The versions with metric thread are also available with customised thread lengths. All working load limits, categorised by 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.

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

PLAW 0,3 t - 1,5 t and PLAW 4 t

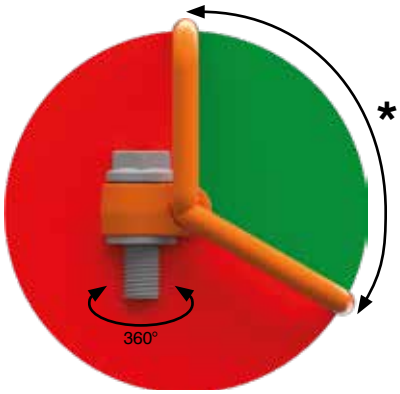
PLAW 2,5 t - 20 t

PLAW 2,5 t - 20 t

Permitted usage
For working load limits in the permitted directions of pull, please refer to the working load limit table.

Non-permitted usage
During assembly, ensure that improper loading does not 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 surfaces

The loading 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.



Permissible load directions

Non-permissible load directions

Improper loading as loading ring rests against edges or surfaces

pewag PLAW alpha

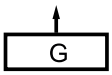
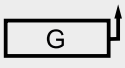
Method of lifting Number of legs Angle of inclination	 1 0°	 1 90°	 2 0°	 2 90°	 2 0-45°	 2 45°-60°	 3+4 0°-45°	 3+4 45°-60°	 2 asymm	 3+4 asymm

Code	Thread [mm]	Torque [Nm]	Working load limit (G) [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	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	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]	Torque [ft-lbs]	Working load limit (G) [lbs]									
PLAW U3/8	3/8"-16	51,6	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	88,5	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	5.500	5.500	11.000	11.000	7.700	5.500	11.600	8.250	5.500	5.500
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

Note: The UNC option is available upon request. If you have any questions, please feel free to contact us.

Safety factor 4:1

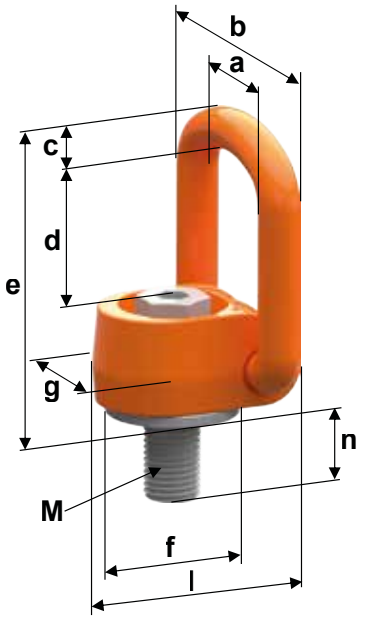
Straight pull 0° 	**Lateral load direction „permitted“ (ring is aligned) 90°** 
	
Nominal working load limit for loading along the screw axis (column”0°” in the working load limit table)	Nominal working load limit for loading vertically to the screw axis (column ”90°” in the working load limit table)

Code	Thread [mm]	WLL [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	f [mm]	g [mm]	l [mm]	n [mm]	n max [mm]	⬡ [mm]	⊂ [mm]	Weight [kg/unit]
PLAW 0,3 t	M8	300	45	67	11	41	95	36	40	55	20	150	10	24	0,57
PLAW 0,63 t	M10	630	45	67	11	41	95	36	40	55	20	150	10	24	0,58
PLAW 1 t	M12	1.000	45	67	11	41	95	36	40	55	20 [1)]	170	10	24	0,60
PLAW 1,5 t	M16	1.500	45	67	11	41	95	36	40	55	24 [1)]	260	10	24	0,60
PLAW 2,5 t	M20	2.500	54	81	13	55	112	50	50	67	33	335	8	24	1,10
PLAW 4 t	M24	4.000	54	87	17	67	142	45	50	70	36	361	14	36	1,60
PLAW 6 t	M30	6.000	68	108	20	68	148	55	60	85	45	360	14	36	2,50
PLAW 7 t	M36	7.000	75	115	20	65	143	60	67	100	55	374	27	-	3,30
PLAW 8 t	M36	8.000	93	147	27	87	188	85	85	120	55	365	19	41	3,80
PLAW 10 t	M42	10.000	93	147	27	87	188	85	85	120	65	365	19	41	4,80
PLAW 15 t	M42	15.000	115	181	33	108	246	106	105	150	63	340	19	55	12,00
PLAW 20 t	M48	20.000	115	181	33	108	246	106	105	150	73	340	19	55	12,30

Code	Thread [inch]	WLL [lbs]	a [inch]	b [inch]	c [inch]	d [inch]	e [inch]	f [inch]	g [inch]	l [inch]	n [inch]	n max [inch]	⬡ [inch]	⊂ [inch]	Weight [lbs/ pc.]
PLAW U 3/8	3/8"-16	1.400	1,77	2,64	0,43	1,61	3,72	1,42	1,57	2,17	0,79	-	3/8"	15/16"	1,30
PLAW U 1/2	1/2"-13	2.200	1,77	2,64	0,43	1,61	3,72	1,42	1,57	2,17	1,30	-	3/8"	15/16"	1,32
PLAW U 5/8	5/8"-11	3.300	1,77	2,64	0,43	1,61	3,72	1,42	1,57	2,17	1,30	-	3/8"	15/16"	1,39
PLAW U 3/4	3/4"-10	5.500	2,13	3,19	0,51	2,17	5,59	1,77	1,97	2,64	1,30	-	3/8"	1 1/8"	2,40
PLAW U 1	1"-8	8.800	2,13	3,43	0,67	2,60	5,59	1,77	1,97	2,76	1,42	-	9/16"	1 1/2"	3,50
PLAW U 1 1/4	1 1/4"-7	13.200	2,95	4,53	0,79	2,68	5,63	2,64	2,64	3,94	1,93	-	7/8"	-	6,80
PLAW U 1 1/2	1 1/2"-6	17.000	3,66	5,79	1,06	3,35	7,40	3,35	3,35	4,72	2,17	-	1 1/2"	3/4"	13,70
PLAW U 1 3/4	1 3/4"-5	22.000	3,66	5,79	1,06	3,43	7,40	3,35	3,35	4,72	2,44	-	1 1/4"	-	14,10

Note: The UNC option is available upon request. If you have any questions, please feel free to contact us.

Safety factor 4:1



pewag PLGW gamma

peTAG chip | Spare parts | SL/MAXL | UNC | PIP | YY/XXXX serial number | EU | PLGIS | 4:1
coloring | 3D | PAT | 24h | 360° | toolfree | metric

The PLGW gamma lifting point was developed and manufactured according to the latest standards. Simply tighten by hand, then align in the load direction - a system that is ideally suited for frequent assembly/disassembly. This patented system has been a great success from the word go and offers 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 working load limit and the thread size. The surface of the load is protected by an integrated sleeve. The batch number displayed on all load-bearing parts such as the eye and screws as well as the serial number make identification, traceability and performance of mandatory, regular inspections easier than ever.

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

Latch in position 2: The latch is in direct contact with the screw (fig. PLGW supreme assembly/disassembly)
- The latch is held in place with a patented spring.
- Eyebolt is not rotatable i.e. the fastening torque is transmitted to the screw and thus the eyebolt can be (re)assembled.

PLGW basic:
A simplified alternative is the pewag PLGW pewag winner pro points gamma basic. Offering the same benefits as the pewag PLGW supreme in terms of measurement, working load limit 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.

Optionally also available with peTAG (NFC chip) or PIP (colour marking). The pewag winner pro points gamma is also available with a metric or UNC thread.

PLGW supreme –tool-free handling

PLGW supreme rotatable

PLGW supreme assembly/disassembly

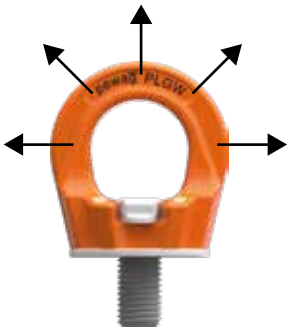

PLGW basic - assembly with tools

Permitted usage
For working load limits in the permitted directions of pull, please refer to the working load limit table. Adjust the lifting point in the permitted load direction before loading.
- Loadable with a 4-fold safety factor against breakage in all directions

Non-permitted usage
During assembly, ensure that improper loading does not 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

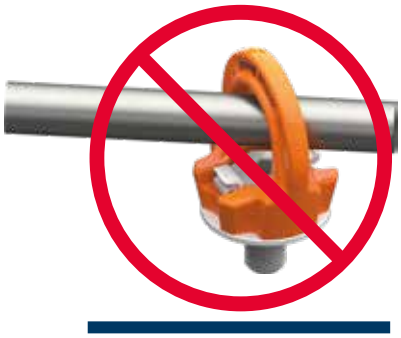
For additional details and information, please refer to the full operating manual.

Special Allen key - available as a spare part (see page 68)



Permitted load directions

Non-permitted load directions



No additional tools permitted

PLGW assembly video / PLGIS

pewag PLGW gamma

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

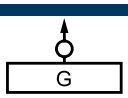
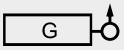
Code	Thread [mm]	Torque [Nm]	Working load limit (G) [kg]									
PLGW 0,3 t	M8	Simply tighten by hand	1.000	300	2.000	600	420	300	630	450	300	300
PLGW 0,5 t	M10		1.500	500	3.000	1.000	700	500	1.060	750	500	500
PLGW 0,7 t	M12		2.000	700	4.000	1.400	980	700	1.480	1.050	700	700
PLGW 1,5 t	M16		4.000	1.500	8.000	3.000	2.100	1.500	3.180	2.200	1.500	1.500
PLGW 2,3 t	M20		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 4,9 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	14.800	10.500	7.000	7.000
PLGW 9 t	M42		22.000	9.000	44.000	18.000	12.600	9.000	19.000	13.500	9.000	9.000
PLGW 12 t	M48		30.000	12.000	60.000	24.000	16.900	12.000	25.400	18.000	12.000	12.000

Code	Thread [inch]	Torque [ft-lbs]	Working load limit (G) [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

*Available as a standard stock item.

Note: The UNC option is available upon request. If you have any questions, please feel free to contact us.

Safety factor 4:1

Straight pull 0° 	**Lateral load direction „permitted“ (ring is aligned) 90°** 	**Lateral load direction “not permitted”**
		
Higher working load limit for loading along the screw axis (column”0°” in the working load limit table)	Nominal working load limit for loading vertically to the screw axis (column ”90°” in the working load limit table)	Application not permitted due to unstable conditions. The ring could turn suddenly while under load - high risk for load and/or persons!

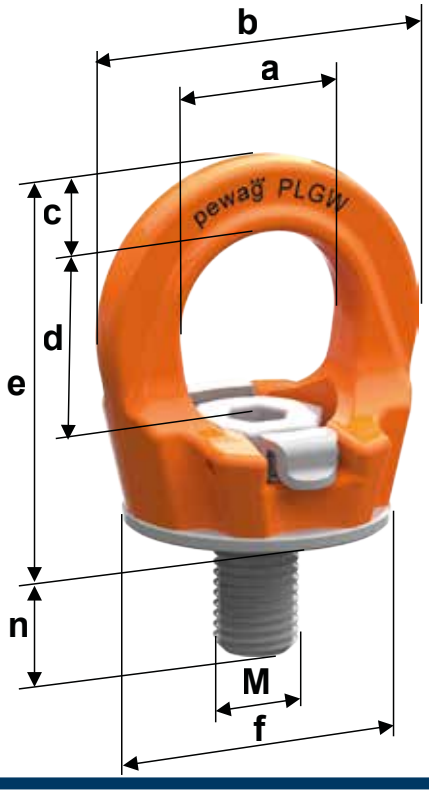
Code	Thread [mm]	WLL [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	f [mm]	n [mm]	n max [mm]	⬡ [mm]	Weight [kg/unit]
PLGW 0,3 t	M8	300	25	45	10	27	53	35	15	90	6	0,20
PLGW 0,5 t	M10	500	25	45	10	27	53	35	15	160	6	0,21
PLGW 0,7 t	M12	700	30	55	12	32	63	43	20	160	8	0,29
PLGW 1,5 t	M16	1.500	35	64	14	36	70	50	25	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]	WLL [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

*Available as a standard stock item.

Note: The UNC option is available upon request. If you have any questions, please feel free to contact us.

Safety factor 4:1



pewag PLGW-SN gamma

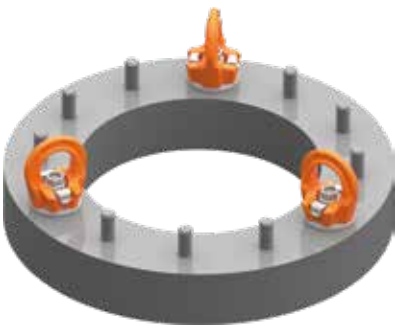
This ring nut works on the principle of tool-free assembly, making it unique worldwide. It is the logical continuation of the successful pewag PLGW supreme eyebolt and is used on loads that come with a threaded bolt instead of a thread.
Alternatively, the PLGW-SN supreme lifting point may be attached 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.

Other benefits of the PLGW-SN pewag winner pro points gamma supreme lifting point:
- No tools are required for assembly or disassembly
- Saves time especially with frequent assembly/disassembly
- The lifting point is rotatable (may be set in the load direction) and loadable in all directions.

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

Different material thicknesses



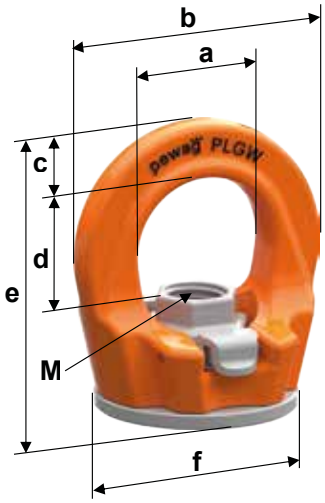
Existing threaded bolts

pewag PLGW SN
Eye nut 3D

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

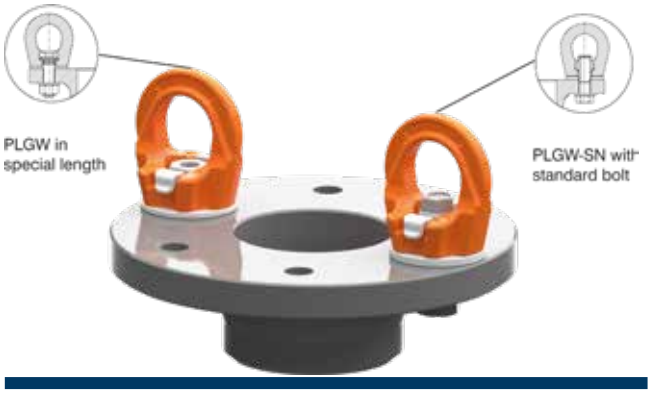
Non-permitted usage
During assembly, ensure that improper loading does not arise due to any of the following factors:
- Direction of pull is obstructed
- Direction of pull is not within the indicated area
- Loading ring rests against edges or loads

Each lifting point comes with an individual serial number.



For the corresponding values, see tables with technical data

Permissible load directions



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]	Working load limit (G) [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]	WLL [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	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	0,50
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

Safety factor 4:1

pewag PLGWI gamma inox

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

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

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

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

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

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

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

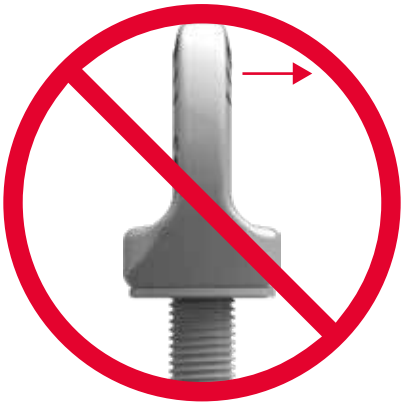
Non-permitted usage
During assembly, ensure that improper loading does not arise due to any of the following factors:
- Direction of pull is obstructed
- Direction of pull is not within the indicated area
- Loading ring rests against edges or loads.

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 lashing type, number of legs, angle of inclination etc., please refer to the tables on the following two pages.

Permissible load directions



Non-permissible load directions

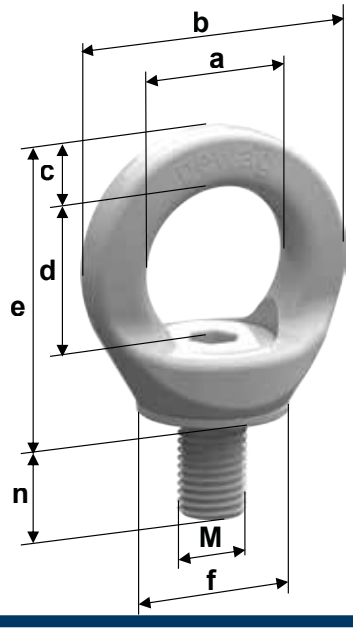
pewag PLGWI gamma inox

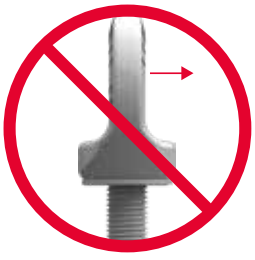
Method of lifting											
Number of legs	1	1	2	2	2	2	3+4	3+4	2	3+4
Angle of inclination	0°	90°	0°	90°	0-45°	45°-60°	0°-45°	45°-60°	asymm	asymm

Code	Thread [mm]	Torque [Nm]	Working load limit (G) [kg]									
PLGWI 0,5 t	M12	25	1.500	500	3.000	1.000	700	500	1.060	750	500	500
PLGWI 1 t	M16	50	3.000	1.000	6.000	2.000	1.400	1.000	2.100	1.500	1.000	1.000
PLGWI 2 t	M20	115	3.800	2.000	7.600	4.000	2.800	2.000	4.200	3.000	2.000	2.000

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

Safety factor 4:1

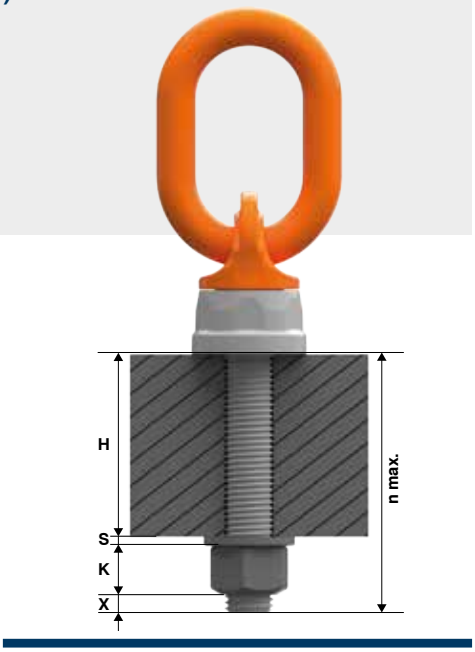


Straight pull 0°	Lateral load direction „permitted“ (ring is aligned) 90°	Lateral load direction not permitted (ring is not aligned)
		
Higher working load limit for loading along the screw axis (column”0°” in the working load limit table)	Nominal working load limit for loading vertically to the screw axis (column ”90°” in the working load limit table)	Application not permitted due to unstable conditions. The ring could turn suddenly while under load - high risk for load and/or persons!

pewag pro points lifting points
As individual as your needs.

We supply your lifting point in a customer-specific length (CL) and maximum thread length (MAXL). The set includes washer and screw nut.

The provided screw nuts are:
- Strength category 10
- Manufactured according to DIN 980 V

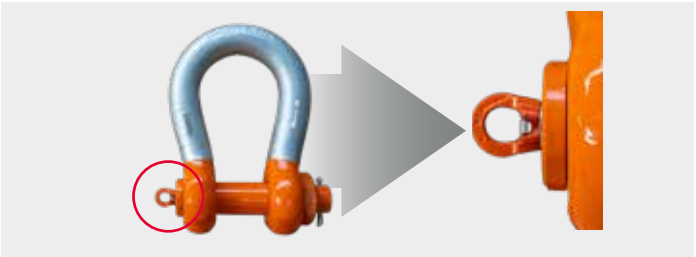


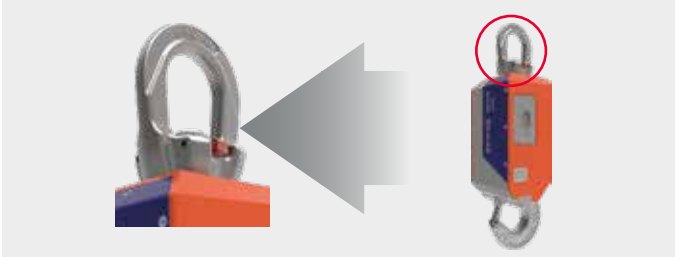
Calculation of the desired thread length (L):

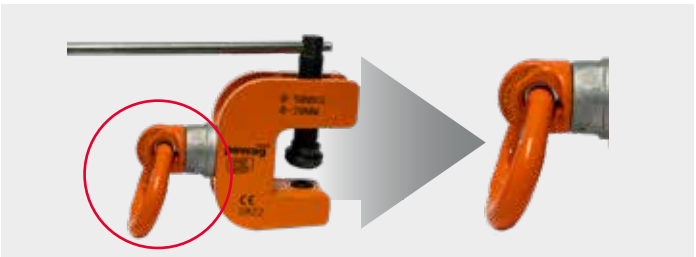
L	=	H + S + K +X
H	=	Material height
S	=	Thickness of the washer
K	=	Height of the nut (Depending on the thread size of the screw)
X	=	Excess length of the screw (two-fold pitch)
L max.	=	n max.

pewag empowers performance

pewag pro points are not only used in demanding lifting applications but are also integrated into other pewag products, enhancing their performance and safety to the highest standard.

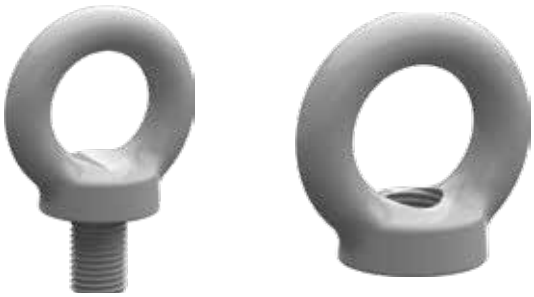


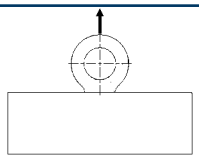
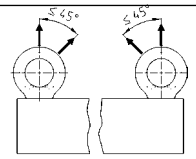
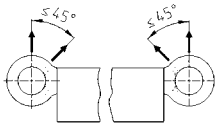




PLGW in comparison: Points in its favour.

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

PLGW eye bolts and/or PLGW-SN eye nut	Eye bolt DIN 580 and/or eye nut DIN 582
	

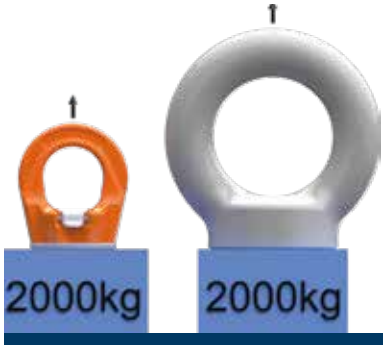
	Product	PLGW (SN)	DIN 580 / DIN 582		PLGW (SN)	DIN 580 / DIN 582	
	Thread size	**M12**	M12	1*) 2*)	**M36**	M36	1*) 2*)
	Nominal working load limit	**0,7 t**	0,34 t		**7 t**	4,6 t	
	WLL	**2 t**	0,34 t	M30	**15 t**	4,6 t	M64
	Breaking load limit	**8 t**	2,04 t		**60 t**	27,6 t	
	WLL (< 45°)	**0,7 t**	0,24 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 pro points 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 eye bolt DIN 580: M30

Mode of application: Multi-leg sling

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



Size comparison PLGW M12 – DIN 580-M30

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pewag PLDW delta

peTAG chip · SL/MAXL · UNC · PIP · YY/XXXX serial number · EU · 4:1 · NM · coloring · 3D

24h · 360° · 360° under load · metric

This lifting point comes 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 working load limit and thread size. In addition, each lifting point is marked with its own individual serial number. The lifting eye comes with a ring and is wide enough to accommodate even larger hooks.

All working load limits, categorised by lashing type, 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 pro points delta lifting points are marked with the admissible working load limit for the most unfavourable application mode, with four-fold safety against break in all directions. In addition, working load limits are higher in case of vertical loading. pewag winner pro points delta is available with a metric or UNC thread, up to a thread size of M100 or a working load limit of 60.000kg.

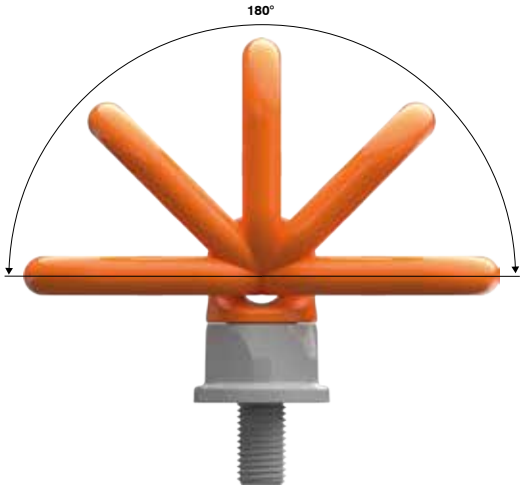
Optionally also available with peTAG (NFC chip) or PIP (colour marking).

Permitted usage
For working load limits in the permitted directions of pull, please refer to the working load limit table.

Non-permitted usage
During assembly, ensure that improper loading does not 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 lifting points are ball-bearing mounted. However, to prevent the ring from jamming, it is recommended to align it in the permitted and required direction of pull prior to loading (fig. Permissible load directions). This is particularly relevant when lifting loads with multi-leg chain slings. If the ring is not aligned (Non-permissible load directions), the ring holder could suddenly become loose, causing a significant risk to loads and operators.

The full operating manual contains further details and information on safe usage.



Permissible load directions

Ball-bearing mounted lifting point

Non-permissible load directions

pewag PLDW delta

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

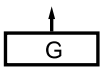
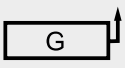
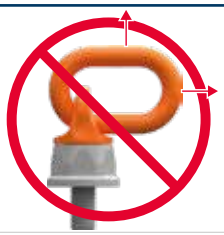
Code	Thread [mm]	Torque [Nm]	Working load limit (G) [kg]									
PLDW 0,3t	M8	10	600	300	1.200	600	400	300	600	400	300	300
PLDW 0,5t	M10	10	1.200	500	2.400	1.000	700	500	1.000	750	500	500
PLDW 0,7t	M12	15	1.800	700	3.600	1.400	950	700	1.400	1.000	700	700
PLDW 1t	M14	25	2.400	1.000	4.800	2.000	1.400	1.000	2.100	1.500	1.000	1.000
PLDW 1,5t	M16	30	2.800	1.500	5.600	3.000	2.100	1.500	3.100	2.200	1.500	1.500
PLDW 1,5t	M18	40	2.800	1.500	5.600	3.000	2.100	1.500	3.100	2.200	1.500	1.500
PLDW 1,8t	M20	80	2.800	1.800	5.600	3.600	2.500	1.800	3.800	2.700	1.800	1.800
PLDW 2,5t	M20	80	5.000	2.500	10.000	5.000	3.500	2.500	5.300	3.500	2.500	2.500
PLDW 3,5t	M24	150	5.000	3.500	10.000	7.000	4.900	3.500	7.400	5.200	3.500	3.500
PLDW 4t	M24	150	7.000	4.000	14.000	8.000	5.500	4.000	8.400	6.000	4.000	4.000
PLDW 5,3t	M30	230	7.000	5.300	14.000	10.600	7.400	5.300	11.200	7.900	5.300	5.300
PLDW 6,7t	M30	230	10.000	6.700	20.000	13.400	9.400	6.700	14.200	10.000	6.700	6.700
PLDW 8t	M36	450	12.500	8.000	25.000	16.000	11.200	8.000	16.800	12.000	8.000	8.000
PLDW 10t	M42	600	16.000	10.000	32.000	20.000	14.000	10.000	21.000	15.000	10.000	10.000
PLDW 12t	M45	600	16.000	12.000	32.000	24.000	16.900	12.000	25.400	18.000	12.000	12.000
PLDW M48 - 13t	M48	600	16.000	13.000	32.000	26.000	18.300	13.000	27.500	19.500	13.000	13.000
PLDW M52 - 13t	M52	600	16.000	13.000	32.000	26.000	18.300	13.000	27.500	19.500	13.000	13.000
PLDW 20t	M52	700	25.000	20.000	50.000	40.000	28.200	20.000	42.400	30.000	20.000	20.000
PLDW 24t	M56	800	28.000	24.000	56.000	48.000	33.900	24.000	50.900	36.000	24.000	24.000
PLDW 25t	M64	800	28.000	25.000	56.000	50.000	35.300	25.000	53.000	37.500	25.000	25.000
PLDW 40t	M72	1200	60.000	40.000	120.000	80.000	56.500	40.000	84.800	60.000	40.000	40.000
PLDW 45t	M80	1400	60.000	45.000	120.000	90.000	63.600	45.000	95.400	67.500	45.000	45.000
PLDW M90-55t	M90	1500	60.000	55.000	120.000	110.000	77.700	55.000	116.600	82.500	55.000	55.000
PLDW M100-55t	M100	1600	60.000	55.000	120.000	110.000	77.700	55.000	116.600	82.500	55.000	55.000

Code	Thread [inch]	Torque [ft-lbs]	Working load limit (G) [lbs]									
PLDW U 3/8*	3/8"-16	7,50	2.640	1.100	5.290	2.200	1.500	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

*Available as a standard stock item.

Note: The UNC option is available upon request. If you have any questions, please feel free to contact us.

Safety factor 4:1

Straight pull 0° 	**Lateral load direction „permitted“ (ring is aligned) 90°** 	**Lateral load direction not permitted (ring is not aligned)**
		
Higher working load limit for loading along the screw axis (column”0°” in the working load limit table)	Nominal working load limit for loading vertically to the screw axis (column ”90°” in the working load limit table)	Application not permitted due to unstable conditions. The ring could turn suddenly while under load - high risk for load and/or persons!

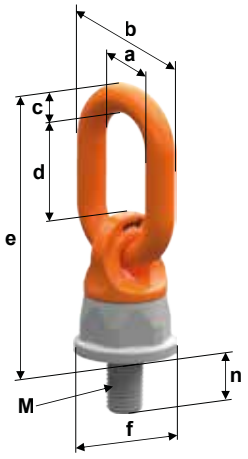
Code	Thread [mm]	WLL [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	f [mm]	n [mm]	n max [mm]	⊂ [mm]	Weight [kg/unit]
PLDW 0,3t	M8	300	30	56	13	38	110	38	20	100	34	0,45
PLDW 0,5t	M10	500	30	56	13	38	110	38	20	180	34	0,45
PLDW 0,7t	M12	700	35	61	13	48	115	38	22	200	34	0,48
PLDW 1t	M14	1.000	35	61	13	48	115	38	22	200	34	0,49
PLDW 1,5t	M16	1.500	35	61	13	48	115	38	33	250	34	0,51
PLDW 1,5t	M18	1.500	35	61	13	48	115	38	30	250	34	0,51
PLDW 1,8t	M20	1.800	35	61	13	48	115	38	30	250	34	0,50
PLDW 2,5t	M20	2.500	35	67	16	55	147	55	33	250	46	1,10
PLDW 3,5t	M24	3.500	35	67	16	55	147	55	30	250	46	1,10
PLDW 4t	M24	4.000	40	74	17	66	165	63	40	300	50	1,50
PLDW 5,3t	M30	5.300	40	74	17	66	165	63	35	300	50	1,50
PLDW 6,7t	M30	6.700	50	96	23	70	185	72	40	300	60	2,60
PLDW 8t	M36	8.000	50	96	23	91	233	92	55	300	75	4,30
PLDW 10t	M42	10.000	65	119	27	91	237	92	60	300	75	5,10
PLDW 12t	M45	12.000	65	119	27	91	237	92	68	300	75	5,20
PLDW M48 - 13t	M48	13.000	65	119	27	116	262	92	68	300	75	5,40
PLDW M52 - 13t	M52	13.000	65	119	27	116	262	92	75	300	75	5,40
PLDW 20t	M52	20.000	70	136	33	105	292	110	78	300	95	10,20
PLDW 24t	M56	24.000	70	136	33	105	292	110	84	300	95	10,20
PLDW 25t	M64	25.000	70	136	33	105	292	110	96	300	95	11,00
PLDW 40t	M72	40.000	90	180	45	130	386	170	110	500	145	29,00
PLDW 45t	M80	45.000	90	180	45	130	386	170	120	500	145	30,00
PLDW M90-55t	M90	55.000	90	180	45	130	386	170	135	500	145	32,00
PLDW M100-55t	M100	55.000	90	180	45	130	386	170	150	500	145	35,00

Code	Thread [inch]	WLL [lbs]	a [inch]	b [inch]	c [inch]	d [inch]	e [inch]	f [inch]	n [inch]	n max [inch]	⊂ [inch]	Weight [lbs/pcs.]
PLDW U 3/8*	3/8"-16	1.100	1,18	2,20	0,51	1,50	4,33	1,50	0,59	-	1,34	1,00
PLDW U 1/2*	1/2"-13	1.500	1,38	2,40	0,51	1,89	4,53	1,50	0,79	-	1,34	1,06
PLDW U 5/8*	5/8"-11	3.300	1,38	2,40	0,51	1,89	4,53	1,50	0,98	-	1,34	1,10
PLDW U 3/4*	3/4"-10	4.400	1,38	2,64	0,63	2,17	5,79	2,17	1,18	-	1,81	2,43
PLDW U 1*	1"-8	8.800	1,57	2,91	0,67	2,60	6,50	2,48	1,57	-	1,97	3,30
PLDW U 1 1/4	1 1/4"-7	14.700	1,97	3,78	0,91	2,76	7,28	2,83	1,77	-	2,36	5,70
PLDW U 1 1/2	1 1/2"-6	17.600	1,97	3,78	0,91	3,58	9,17	3,62	2,17	-	2,95	9,50
PLDW U 1 3/4	1 3/4"-5	22.000	2,56	4,69	1,06	3,58	9,33	3,62	2,36	-	2,95	11,20
PLDW U 2	2"-4,5	27.500	2,56	4,69	1,06	4,57	10,31	3,62	2,68	-	2,95	11,90
PLDW U 2 1/2	2 1/2"-4	39.600	2,76	5,35	1,30	4,13	11,50	4,33	3,78	-	3,74	22,40

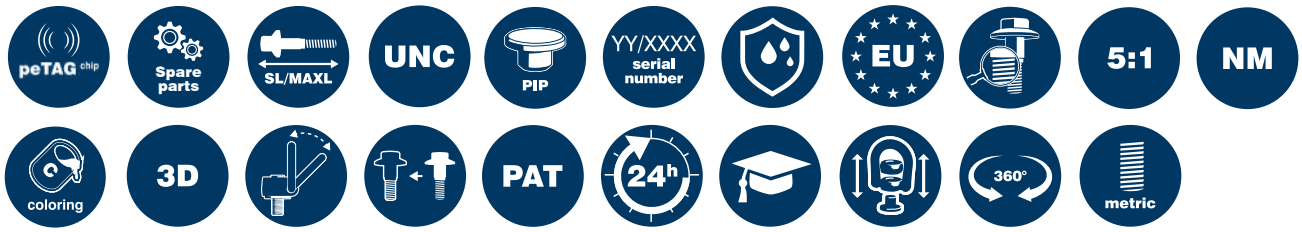
*Available as a standard stock item.

Note:
- The UNC option is available upon request. If you have any questions, please feel free to contact us.
- We recommend the ball-bearing PLOW if you require a higher load capacity for a rotatable lifting point under load with the same thread size. Please refer to the table on page 46 for further details.

Safety factor 4:1



pewag PLZW-FIX-SP and PLZW zeta



This addition to the pewag lifting point portfolio comes with a five-fold safety factor, is rotatable by 360° and may be loaded in all directions. The individual serial number and the batch number make it possible to clearly identify the lifting point at all times. The PLZW protects the surface of the load from damage thanks to an integrated sleeve. The screw is 100% crack-tested, comes with a chromate VI-free protection against corrosion and is marked with the working load limit, thread size and torque.

The PLZW is available in three options:

The standard option, PLZW-FIX-SP, is dismountable with tools only (for screw replacement) and includes a spring that ensures the ring stays in its position. It is identified by a grey sleeve (Fig. 1).

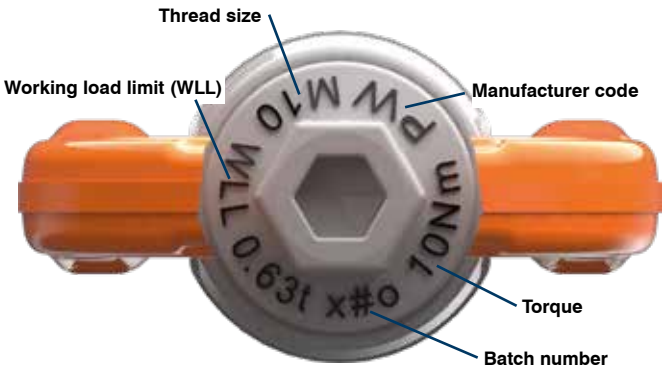
The second option, PLZW, is easily dismountable without the use of tools and is designed for quick and effortless disassembly into its individual parts (Fig. 3). This special feature enables the direct assembly of various fittings (such as round slings, webbing slings, wire rope eyes, master links, and eye-type hooks) without having to use an additional shackle or connection link (Fig. 4). It is distinguished by a golden-colored sleeve (Fig. 2).

The third option, PLZW-FIX, is supplied without a spring; therefore, the ring does not remain in position. This version is not part of the standard stock and is available upon request only.

Optionally also available with peTAG (NFC chip).

Figure 1: PLZW-FIX-SP (with tools dismountable, with spring)

The PLZW-FIX-SP replaces the PLBW. However, the PLBW and its spare parts remain available upon request.



Marking on the screw

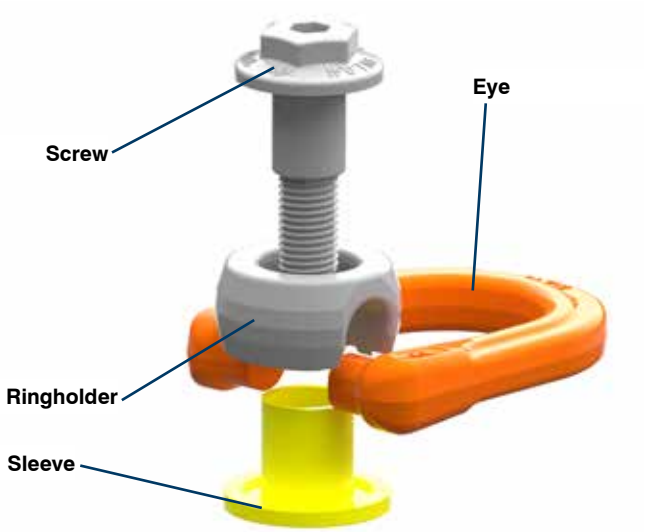


Figure 2: PLZW lifting point (dismountable, indicated by a golden sleeve)

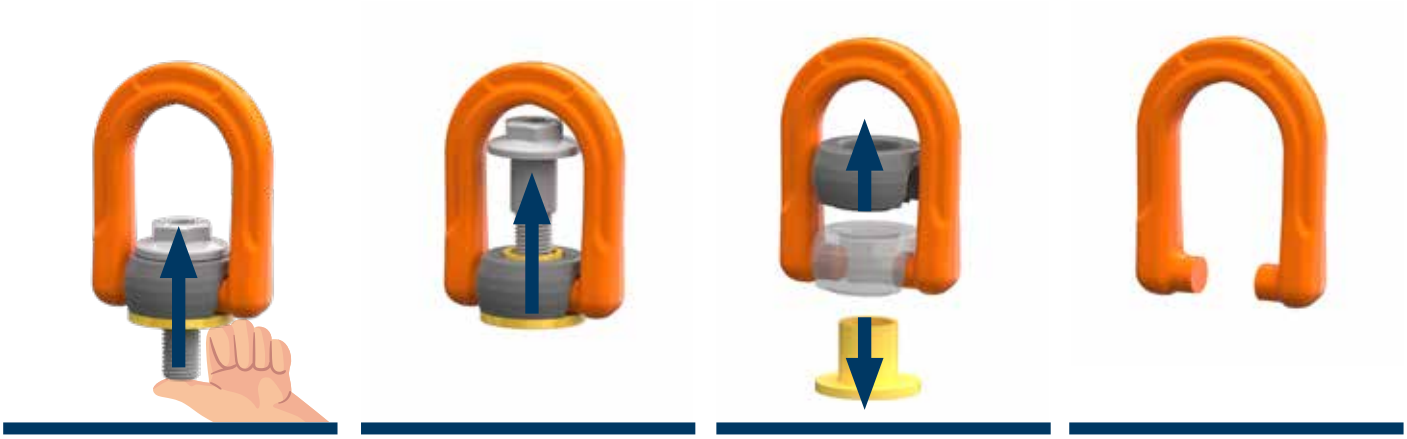


Figure 3: Disassembly of the PLZW (also possible with a tool for the PLZW-FIX-SP)

Figure 4: Application examples of the dismountable Version of the PLZW

pewag PLZW zeta

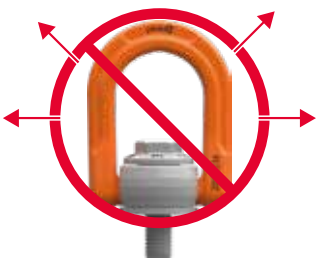
Method of lifting											
Number of legs	1	1	2	2	2	2	3+4	3+4	2	3+4
Angle of inclination	0°	90°	0°	90°	0-45°	45°-60°	0°-45°	45°-60°	asymm	asymm

Code	Thread [mm]	Torque [Nm]	Working load limit (G) [kg]									
PLZW-FIX-SP 0,4t*	M8	10	800	400	1.600	800	560	400	840	600	400	400
PLZW-FIX-SP 0,63t*	M10	10	1.100	630	2.200	1.260	890	630	1.330	940	630	630
PLZW-FIX-SP 0,95t*	M12	15	1.100	950	2.200	1.900	1.340	950	2.010	1.420	950	950
PLZW-FIX-SP 1,3t*	M14	30	2.900	1.300	5.800	2.600	1.830	1.300	2.750	1.950	1.300	1.300
PLZW-FIX-SP 1,8t*	M16	50	2.900	1.800	5.800	3.600	2.540	1.800	3.810	2.700	1.800	1.800
PLZW-FIX-SP 2,2t*	M18	70	2.900	2.200	5.800	4.400	3.110	2.200	4.660	3.300	2.200	2.200
PLZW-FIX-SP 2,5t*	M20	100	2.900	2.500	5.800	5.000	3.530	2.500	5.300	3.750	2.500	2.500
PLZW-FIX-SP 3,7t*	M22	120	6.500	3.700	13.000	7.400	5.230	3.700	7.840	5.550	3.700	3.700
PLZW-FIX-SP 4t*	M24	160	6.500	4.000	13.000	8.000	5.650	4.000	8.480	6.000	4.000	4.000
PLZW-FIX-SP 5,4t	M27	200	6.500	5.400	13.000	10.800	7.600	5.400	11.400	8.100	5.400	5.400
PLZW-FIX-SP 6,3t	M30	250	6.500	6.300	13.000	12.600	8.900	6.300	13.300	9.400	6.300	6.300
PLZW-FIX-SP 8t	M33	270	15.000	8.000	30.000	16.000	11.300	8.000	16.900	12.000	8.000	8.000
PLZW-FIX-SP 10t	M36	320	15.000	10.000	30.000	20.000	14.100	10.000	21.200	15.000	10.000	10.000
PLZW-FIX-SP 13t	M42	400	15.000	13.000	30.000	26.000	18.300	13.000	27.500	19.500	13.000	13.000
PLZW-FIX-SP 15t	M48	600	15.000	15.000	30.000	30.000	21.200	15.000	31.800	22.500	15.000	15.000

Code	Safety Factor	Thread [inch]	Torque [ft-lbs]	Working load limit (G) [lbs]									
PLZW-FIX-SP U5/16	5:1	5/16"-18	5	1.100	660	2.200	1.320	930	660	1.400	990	660	660
PLZW-FIX-SP U3/8	5:1	3/8"-16	8	2.200	1.300	4.400	2.600	1.830	1.300	2.750	1.950	1.300	1.300
PLZW-FIX-SP U1/2	5:1	1/2"-13	11	2.400	2.200	4.800	4.400	3.100	2.200	4.600	3.300	2.200	2.200
PLZW-FIX-SP U9/16	5:1	9/16"-12	22	4.400	3.000	8.800	6.000	4.200	3.000	6.300	4.500	3.000	3.000
PLZW-FIX-SP U 5/8	5:1	5/8"-11	37	5.500	3.500	11.000	7.000	4.900	3.500	7.400	5.200	3.500	3.500
PLZW-FIX-SP U 3/4	4:1	3/4"-10	74	6.600	5.500	13.200	11.000	7.700	5.500	11.600	8.200	5.500	5.500
PLZW-FIX-SP U 7/8	4:1	7/8"-9	118	12.000	8.800	24.000	17.600	12.400	8.800	18.600	13.200	8.800	8.800
PLZW-FIX-SP U 1	4:1	1"-8	148	13.000	11.000	26.000	22.000	15.500	11.000	23.300	16.500	11.000	11.000
PLZW-FIX-SP U 1 1/8	4:1	1 1/8"-7	185	14.300	13.500	28.600	27.000	19.000	13.500	28.600	20.200	13.500	13.500
PLZW-FIX-SP U 1 1/4	4:1	1 1/4"-7	200	20.000	17.500	40.000	35.000	24.700	17.500	37.100	26.200	17.500	17.500
PLZW-FIX-SP U 1 3/8	4:1	1 3/8"-6	236	24.000	22.000	48.000	44.000	31.100	22.000	46.600	33.000	22.000	22.000
PLZW-FIX-SP U 1 1/2	4:1	1 1/2"-6	295	25.000	24.000	50.000	48.000	33.900	24.000	50.900	36.000	24.000	24.000

*Also available in the easily dismountable version as PLZW.

Note: The PLZW replaces the PLBW. However, the PLBW and its spare parts remain available upon request.

Straight pull 0°	Lateral load direction permitted (ring is aligned) 90°	Lateral load direction not permitted (ring is not aligned)
		
Higher working load limit for loading along the screw axis (column „0°“ in the working load limit table)	Nominal working load limit for loading vertically to the screw axis (column „90°“ in the working load limit table)	Application not permitted due to unstable conditions. The ring could turn suddenly while under load - high risk for load and/or persons!

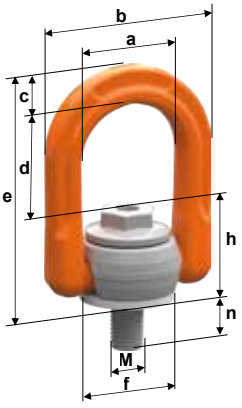
Code	Thread [mm]	WLL S[1)]=5:1 [kg]	WLL S[1)]=4:1 [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	f [mm]	h [mm]	n [mm]	n max [mm]	⬡ [mm]	⊂ [mm]	Weight [kg/ unit]
PLZW-FIX-SP 0,4t*	M8	400	500	40	64	14	34	77	30	29	12	80	8	15	0,30
PLZW-FIX-SP 0,63t*	M10	630	780	40	64	14	34	77	30	29	15	100	8	15	0,30
PLZW-FIX-SP 0,95t*	M12	950	1.180	40	64	14	34	77	30	29	18	180	8	15	0,31
PLZW-FIX-SP 1,3t*	M14	1.300	1.600	50	83	19	50	112	45	43	21	220	10	24	0,89
PLZW-FIX-SP 1,8t*	M16	1.800	2.250	50	83	19	50	112	45	43	24	260	10	24	0,90
PLZW-FIX-SP 2,2t*	M18	2.200	2.750	50	83	19	50	112	45	43	27	300	10	24	0,91
PLZW-FIX-SP 2,5t*	M20	2.500	3.100	50	83	19	50	112	45	43	30	330	10	24	0,95
PLZW-FIX-SP 3,7t*	M22	3.700	4.600	70	121	28	69	161	68	64	33	355	14	36	2,80
PLZW-FIX-SP 4t*	M24	4.000	5.000	70	121	28	69	161	68	64	36	355	14	36	2,80
PLZW-FIX-SP 5,4t	M27	5.400	6.700	70	121	28	69	161	68	64	40	355	14	36	2,90
PLZW-FIX-SP 6,3t	M30	6.300	7.800	70	121	28	69	161	68	64	45	355	14	36	3,00
PLZW-FIX-SP 8t	M33	8.000	10.000	110	183	38	114	259	108	106	54	328	19	55	10,6
PLZW-FIX-SP 10t	M36	10.000	12500	110	183	38	114	259	108	106	59	328	19	55	10,8
PLZW-FIX-SP 13t	M42	13.000	16200	110	183	38	114	259	108	106	69	328	19	55	11,1
PLZW-FIX-SP 15t	M48	15.000	18700	110	183	38	114	259	108	106	74	328	19	55	11,2

[1)] **S= Safety Factor**

Code	Safety Fac-tor	Thread [inch]	WLL [lbs]	a [inch]	b [inch]	c [inch]	d [inch]	e [inch]	f [inch]	h [inch]	n [inch]	n max [inch]	⬡ [inch]	⊂ [inch]	Weight [lbs/pc.]
PLZW-FIX-SP U5/16	5:1	5/16"-18	660	1,57	2,52	0,55	1,34	3,03	1,18	1,14	0,51	-	5/16"	5/8"	0,66
PLZW-FIX-SP U3/8	5:1	3/8"-16	1.300	1,57	2,52	0,55	1,34	3,03	1,18	1,14	0,59	-	5/16"	5/8"	0,66
PLZW-FIX-SP U1/2	5:1	1/2"-13	2.200	1,57	2,52	0,55	1,34	3,03	1,18	1,14	0,67	-	5/16"	5/8"	0,66
PLZW-FIX-SP U 9/16	5:1	9/16"-12	3.000	1,97	3,27	0,75	1,97	4,41	1,77	1,69	0,87	-	5/16"	1"	2,00
PLZW-FIX-SP U 5/8	5:1	5/8"-11	3.500	1,97	3,27	0,75	1,97	4,41	1,77	1,69	0,94	-	5/16"	1"	2,00
PLZW-FIX-SP U 3/4	4:1	3/4"-10	5.500	1,97	3,27	0,75	1,97	4,41	1,77	1,69	1,18	-	5/16"	1"	2,10
PLZW-FIX-SP U 7/8	4:1	7/8"-9	8.800	2,76	4,76	1,10	2,72	6,34	2,68	2,52	1,42	-	9/16"	1 3/8"	6,10
PLZW-FIX-SP U 1	4:1	1"-8	11.000	2,76	4,76	1,10	2,72	6,34	2,68	2,52	1,57	-	9/16"	1 3/8"	6,30
PLZW-FIX-SP U 1 1/8	4:1	1 1/8"-7	13.500	2,76	4,76	1,10	2,72	6,34	2,68	2,52	1,77	-	9/16"	1 3/8"	6,30
PLZW-FIX-SP U1 1/4	4:1	1 1/4"-7	17.500	4,33	7,20	1,50	4,49	10,20	4,25	4,17	2,13	-	3/4"	2 3/16"	23,6
PLZW-FIX-SP U1 3/8	4:1	1 3/8"-6	22.000	4,33	7,20	1,50	4,49	10,20	4,25	4,17	2,32	-	3/4"	2 3/16"	23,6
PLZW-FIX-SP U1 1/2	4:1	1 1/2"-6	24.000	4,33	7,20	1,50	4,49	10,20	4,25	4,17	2,72	-	3/4"	2 3/16"	24,3

*Also available in the easily dismountable version as PLZW.

Note: The PLZW replaces the PLBW. However, the PLBW and its spare parts remain available upon request.

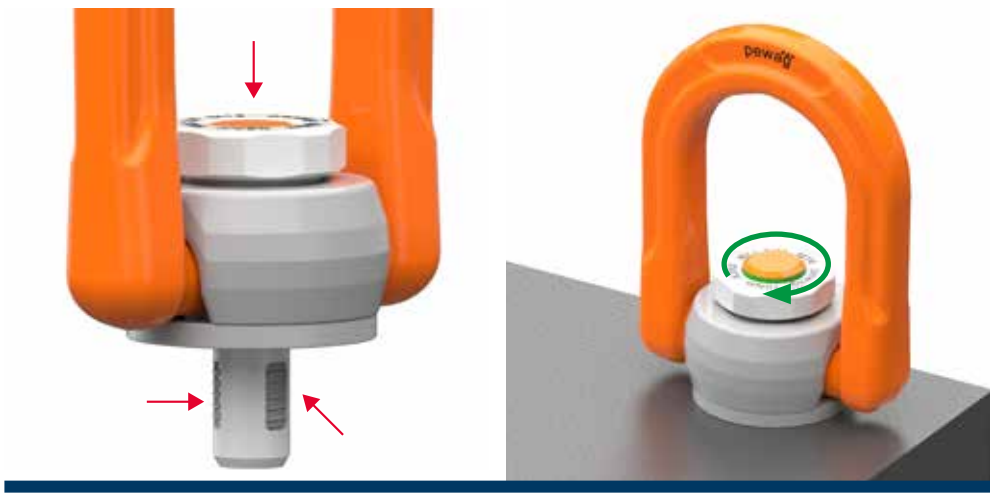


pewag PLZW-rapid

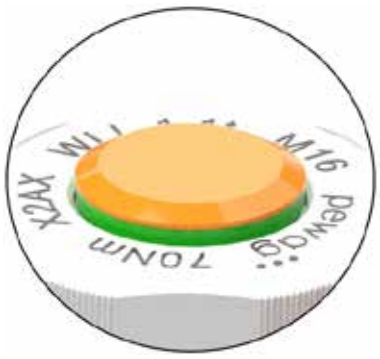
The PLZW-rapid is a lifting point from the pewag winner pro points family, distinguished by its innovative features. It allows for quick and easy assembly: simply press the button to unlock the threaded plates, insert the lifting point into the threaded hole, release the button, and tighten the screw by hand. The locking indicator must then be checked to ensure the green ring is visible, confirming the lifting point is ready for use.

Designed for maximum flexibility, the PLZW-rapid is 360° rotatable, allowing for adjustment in the direction of the load, and the ring can be folded 180° for added versatility. The screw is made of rust-resistant stainless steel, while the sleeve protects the contact surface of the load. Each unit features an individual serial number for traceability and offers a five-fold safety factor against breakage. It operates reliably in temperatures from -20°C to 200°C without any reduction in performance.

Benefits of the PLZW-rapid lifting point:
- Time saving thanks to click and go function
- Tool-free assembly/disassembly
- Optionally also available with peTAG (NFC chip) or PIP (colour marking)



Press and hold the button (left) to unlock the threaded plates for easy insertion. Tighten the screw by hand (right) until the green marking is visible.

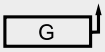
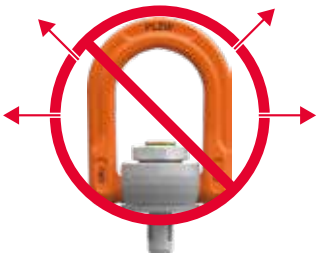


Green Marking on the screw

Method of lifting Number of legs Angle of inclination	1 0°	1 90°	2 0°	2 90°	2 0-45°	2 45°-60°	3+4 0°-45°	3+4 45°-60°	2 asymm	3+4 asymm
Code	**Thread [mm]**	**Torque [Nm]**	**Working load limit (G) [kg]**									
PLZW-R 0.4t	M10	20	400	400	800	800	560	400	840	600	400	400
PLZW-R 0.5t	M12	50	500	500	1.000	1.000	700	500	1.060	750	500	500
PLZW-R 1.1t	M16	70	1.100	1.100	2.200	2.200	1.550	1.100	2.330	1.650	1.100	1.100

Safety factor 5:1

Code	Thread [mm]	Load capacity [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	f [mm]	h [mm]	n [mm]	⊂ [mm]	Weight [kg/pc.]
PLZW-R 0.4t	M10	400	40	64	14	33	77	30	30	20	19	0,30
PLZW-R 0.5t	M12	500	40	64	14	33	77	30	30	23	19	0,30
PLZW-R 1.1t	M16	1.100	50	83	19	53	112	45	41	24	32	0,85

Straight pull 0° 	**Lateral load direction permitted (ring is aligned) 90°** 	**Lateral load direction not permitted (ring is not aligned)**
		
Nominal working load limit for loading along the screw axis (column „0°“ in the working load limit table)	Nominal working load limit for loading vertically to the screw axis (column „90°“ in the working load limit table)	Application not permitted due to unstable conditions. The ring could turn suddenly while under load - high risk for load and/or persons!

pewag PLZW-DW DW15

The PLZW-DW DW15 lifting point, specifically designed for concrete and steel structures, enables the efficient and safe transportation of concrete elements as well as steel constructions after proper installation. Once secured, the lifting point can be rotated 360°, while the load bracket can be folded 180° for added flexibility.

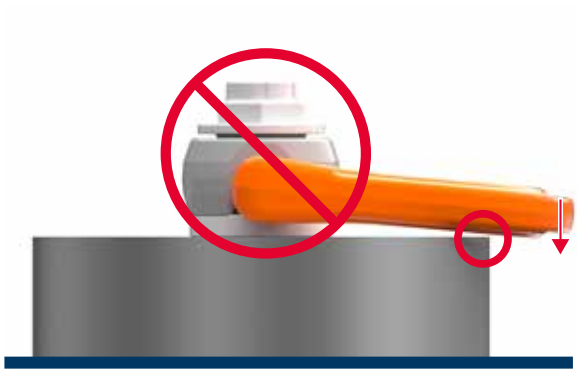
The PLZW-DW DW15 is attached to the anchor rod and features an integrated clamping mechanism that prevents unintentional loosening caused by vibrations.

It has a safety factor of 2.5:1, ensuring high reliability and safety under demanding load conditions.

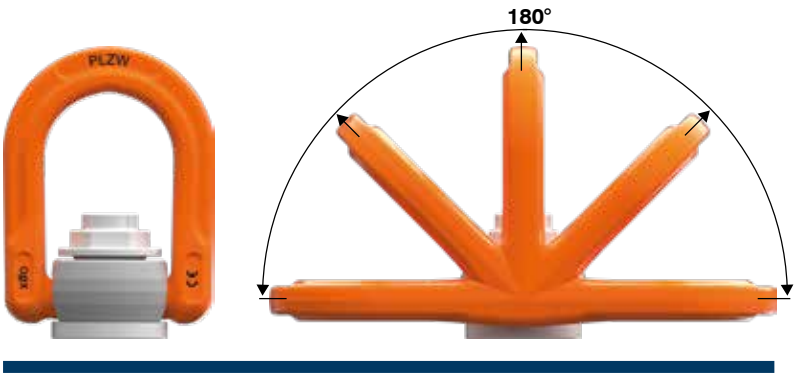
Optionally also available with peTAG (NFC chip) or PIP (colour marking)

Permitted usage
For working load limits in the permitted directions of pull, please refer to the working load limit table.

Non-permitted usage
During assembly, ensure that improper loading does not 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 surfaces



Improper loading as loading ring rests against edges or surfaces

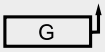


Permissible load directions

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

Code	Thread [mm]	Torque [Nm]	Load capacity [kg]									
PLZW-DW DW15	DW15	150	3.600	3.600	7.200	7.200	5.090	3.600	7.630	5.400	3.600	3.600

Code	Thread	Load capacity	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	f [mm]	h [mm]	⊂ [mm]	Weight [kg/pc.]
PLZW-DW DW15	DW 15	3600	50	83	19	45	112	45	50	27	0,85

Straight pull 0° 	Lateral load direction permitted (ring is aligned) 90° 	Lateral load direction not permitted (ring is not aligned)
		
Nominal working load limit for loading along the screw axis (column „0°“ in the working load limit table)	Nominal working load limit for loading vertically to the screw axis (column „90°“ in the working load limit table)	Application not permitted due to unstable conditions. The ring could turn suddenly while under load - high risk for load and/or persons!

pewag PLOW omega

The PLOW is equipped with a ball bearing, allowing it to rotate smoothly even under load. Its patented design ensures innovative features and reliable performance. Assembly and disassembly can be carried out without the need for tools, making it quick and easy to handle. The ring is rotatable 360°, providing full adjustability in the load direction, and can be folded 180° for added flexibility.

A 100% crack-tested, corrosion-protected screw guarantees maximum safety and durability. The integrated sleeve protects the contact surface of the load, ensuring minimal wear and tear. Each unit comes with a unique serial number for traceability. The product offers four times the safety against breakage, meeting the highest safety standards.

The operating temperature range is from -20°C to 200°C without any reduction in the Working Load Limit (WLL). Additionally, the product is stamped with the required tightening torque, ensuring proper and secure installation.

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

The PLOW is based on a patented system that allows for tool-free assembly and disassembly. The anchorage point is therefore easy to remove after usage. For detailed information on functionalities, please refer to the operating manual.

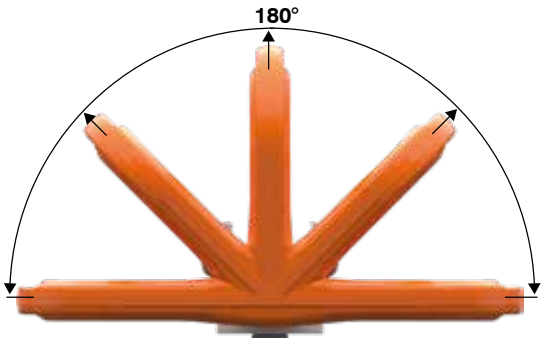
Additional benefits of the PLOW omega lifting point:

- Available in special lengths.
- Closed slings can be pre-assembled on request

Permitted usage
For working load limits in the permitted directions of pull, please refer to the working load limit table.

Non-permitted usage
During assembly, ensure that improper loading does not 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 surfaces

Non-permitted usage



Permitted directions of load that occur during correct use.

PLOW rotatable

PLOW dis-/assembly

The integrated ball bearing allows the PLOW to rotate smoothly even under load.

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

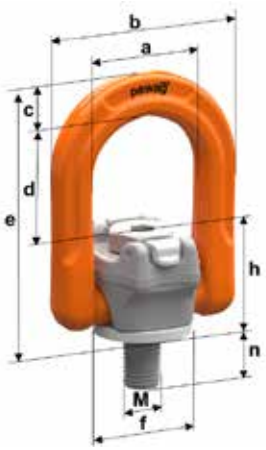
Code	Thread [mm]	Torque [Nm]	Working load limit (G) [kg]									
PLOW 0,4 t	M8	10	1.000	400	2.000	800	560	400	840	600	400	400
PLOW 0,8 t	M10	15	1.400	800	2.800	1.600	1.130	800	1.690	1.200	800	800
PLOW 1,2 t	M12	20	1.400	1.200	2.800	2.400	1.690	1.200	2.540	1.800	1.200	1.200
PLOW 2 t	M16	50	3.200	2.000	6.400	4.000	2.800	2.000	4.200	3.000	2.000	2.000
PLOW 3,4 t	M20	100	6.500	3.400	13.000	6.800	4.800	3.400	7.200	5.100	3.400	3.400
PLOW 4,7 t	M24	150	6.500	4.700	13.000	9.400	6.600	4.700	9.900	7.000	4.700	4.700

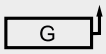
Safety factor 4:1

Code	Thread [mm]	WLL [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	f [mm]	h [mm]	n [mm]	n max [mm]	⬡ [mm]	Weight [kg/ unit]
PLOW 0,4 t	M8	400	40	65	15	34	88	34	34	12	80	8	0,44
PLOW 0,8 t	M10	800	40	65	15	34	88	34	34	15	100	8	0,45
PLOW 1,2 t	M12	1.200	40	65	15	34	88	34	34	18	140	8	0,45
PLOW 2 t	M16	2.000	50	83	19	41	112	42	45	24	250	10	0,95
PLOW 3,4 t	M20	3.400	70	121	28	53	161	67	67	30	250	14	3,0
PLOW 4,7 t	M24	4.700	70	121	28	53	161	67	67	36	300	14	3,0

Code	Thread	WLL [kg]		WLL [kg]	Thread	Code
PLOW 0,4t	M8	**400**	>	**300**	M8	PLDW 0,3t
PLOW 0,8t	M10	**800**	>	**500**	M10	PLDW 0,5t
PLOW 1,2t	M12	**1,200**	>	**700**	M12	PLDW 0,7t
PLOW 2t	M16	**2,000**	>	**1,500**	M16	PLDW 1,5t
PLOW 3,4t	M20	**3,400**	>	**2,500**	M20	PLDW 2,5t
PLOW 4,7t	M24	**4,700**	>	**4,000**	M24	PLDW 4t

Comparison between PLOW and PLDW: Like the PLDW, the PLOW can also rotate under load, but is tool-free and it stands out with a higher load capacity.



Straight pull 0° 	**Lateral load direction permitted (ring is aligned) 90°** 	**Lateral load direction not permitted (ring is not aligned)**
		
Higher working load limit for loading along the screw axis (column „0°“ in the working load limit table)	Nominal working load limit for loading vertically to the screw axis (column „90°“ in the working load limit table)	Application not permitted due to unstable conditions. The ring could turn suddenly while under load - high risk for load and/or persons!

pewag – innovation that is safe and reliable

Lifting and lashing: the highest level of safety for operating staff and goods to be transported.

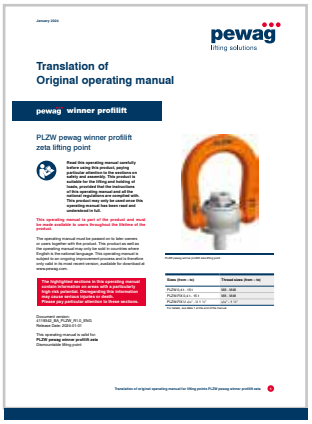
As a European premium chain manufacturer, pewag has always been synonymous with innovation, quality and safety, presenting innovations and defining new standards on a continuous basis.

The pewag winner pro points range of lifting points stands out for its excellent compatibility with the pewag winner lifting chains that are used extensively on a global scale. pewag winner pro points lifting points comply with Machine Directive 2006/42/EC and/or Machine Safety Regulation 2010, EN 1677-1 as well as with technical specifications. Sophisticated design makes this innovative range complete. The pewag winner pro points lifting points are produced in our ISO 9001 and 14001 certified plants and guarantee a 4- respectively 5-fold safety and a maximum dynamic load of min. 20.000 load cycles, tested at 1,5 times the working load limit.

Working load limits will vary according to the type of application, number of legs and angle of inclination and are listed in tables, which form an integral part of the detailed user manual that each lifting point comes with.
Our website www.pewag.com also contains detailed information on working load limits, dimensions etc. as well as downloadable 3D models for design engineers.

Laser engraved marking of the serial number


Testing in the pewag lab



Original operating manual in compliance with Machine Directive EC

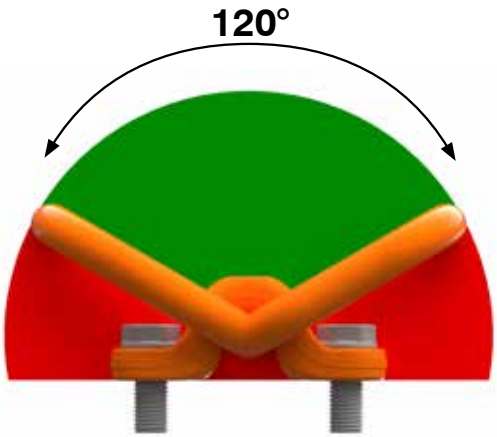
pewag PLTW theta

The screwable PLTW is perfect for mounting machine parts or vehicle bodies, as well as for use as a lifting or load-securing device. Please consider the different safety factors, specifically the WLL for lifting and the LC for use as a tie-down device. The welded ring is flexible, and the bracket is drop-forged. Equipped with two high-quality, crack-tested screws.

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

Non-permitted usage
During assembly, ensure that improper loading does not 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



Permissible load directions

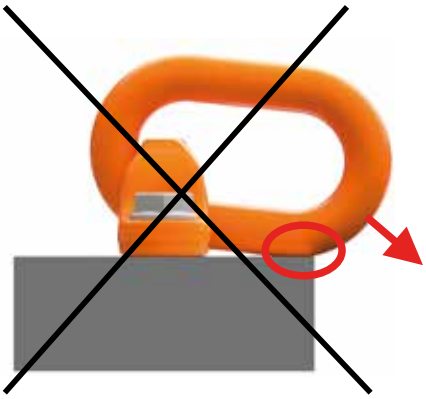
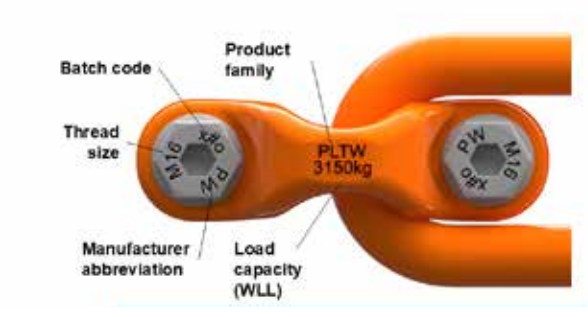


Image 1: front, Image 2: back



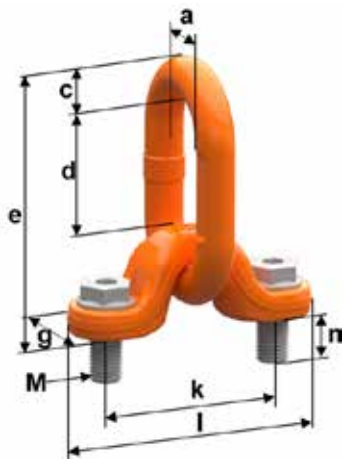
Labelling on ringholder and screw

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

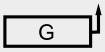
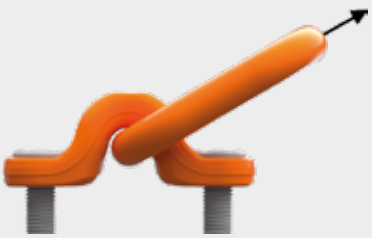
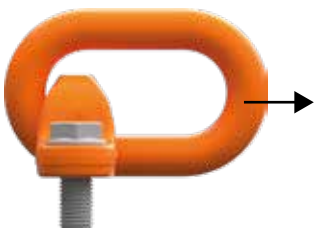
Code	Thread [mm]	Torque [Nm]	Working load limit (G) [kg]									
PLTW 3,15t	M16	150	3.150	3.150	6.300	6.300	4.450	3.150	6.680	4.720	3.150	3.150
PLTW 4,5t	M20	250	4.500	4.500	9.000	9.000	6.360	4.500	9.540	6.750	4.500	4.500
PLTW 10t	M30	400	10.000	10.000	20.000	20.000	14.100	10.000	21.200	15.000	10.000	10.000
PLTW 16t	M36	700	16.000	16.000	32.000	32.000	22.600	16.000	33.900	24.000	16.000	16.000

Safety factor 4:1

Code	Thread [mm]	Load capacity [kg]	a [mm]	c [mm]	d [mm]	e [mm]	g [mm]	k [mm]	l [mm]	n [mm]	⬡ [mm]	⊂ [mm]	Weight [kg/pc.]
PLTW 3,15t	M16	3.150	40	20	65	134	39	90	128	24	10	24	1,40
PLTW 4,5t	M20	4.500	40	20	65	135	40	100	140	30	12	30	1,70
PLTW 10t	M30	10.000	65	27	103	207	62	160	222	45	17	46	6,00
PLTW 16t	M36	16.000	70	33	107	230	69	176	246	54	19	50	9,30



The PLTW replaces the AOR. However, the AOR and its spare parts remain available upon request.

Straight pull 0° 	Lateral load direction permitted (ring is aligned) up to 60° 	Lateral load direction permitted (ring is not aligned)
		
Nominal working load limit for loading along the screw axis (column „0°“ in the working load limit table)	Nominal working load limit for loading in an angle up to 60° to the screw axis (column „90°“ in the working load limit table)	Usage with nominal working load limit is possible. It is preferable to mount the lifting point in such a way that it is loaded in the folding direction (see figure in the middle).

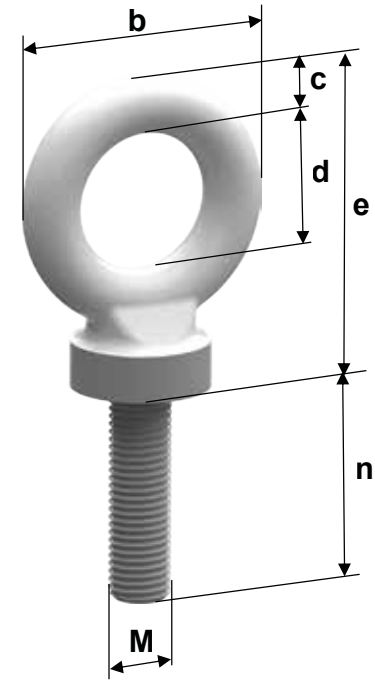
pewag RGS eyebolt

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

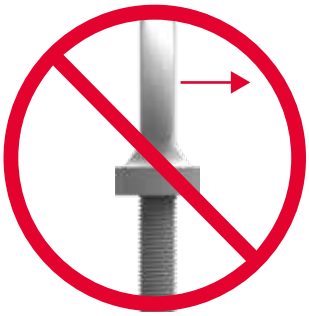
Permitted usage
For working load limits in the permitted directions of pull (fig. Permitted usage), please refer to the working load limit table

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 the direction of pull! For all other lashing types, use the rotatable PLGW eyebolt or the rotatable lifting points PLAW or PLDW.



Permitted usage



Non-permitted usage

Code	Thread [mm]	Working load limit I-Strang 0° [kg]	Working load limit II-Strang 0° [kg]	b [mm]	c [mm]	d [mm]	e [mm]	n [mm]	Weight [kg/unit]
RGS 8	M8	400	800	34	7	20	44	24	0,05
RGS 10	M10	700	1.400	38	8	22	49	30	0,10
RGS 12	M12	1.000	2.000	47	10	26	59	36	0,14
RGS 14	M14	1.200	2.400	57	14	29	71	40	0,25
RGS 16	M16	1.500	3.000	65	14	35	79	55	0,36
RGS 20	M20	2.500	5.000	73	16	39	89	59	0,55
RGS 24	M24	4.000	8.000	95	20	54	114	84	1,12
RGS 30	M30	6.000	12.000	108	24	59	132	100	1,84
RGS 36	M36	8.000	16.000	118	25	67	137	118	2,44
RGS 42	M42	10.000	20.000	139	31	79	166	135	4,00
RGS 48	M48	18.000	36.000	181	43	97	208	150	8,20

Safety factor 4:1
Additional sizes available upon request!

pewag – progressive, innovative and reliable

State-of-the-art technology for applications that carry some weight.

PLEW marking

Our experience goes back centuries and makes pewag a company built on 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 and that make it even more versatile and flexible. Guaranteed ease-of-use when it comes to assembly and application is part of the pewag standard.

The weld-on lifting point PLEW complies with Machine Directive 2006/42/EC and is tested according to EN 1677-1 and BGR 500. Load capacities are clearly marked on the welding pad.

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

Working load limits will vary according to the type of application, number of legs and angle of inclination and are listed in tables, which 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.

Operating manual

DGUV test certification

Easier Access to Your Certificates

Our Online Certificates Software enables customers to create and retrieve their inspection certificates and annual inspection reports anytime, anywhere.

This ensures quick and seamless access to important documents.

Key benefits:

- ✓ **User-friendly interface**
- ✓ **24/7 availability**
- ✓ **All certificates in one place**

Online Certificates

INNOVATIVE SOLUTIONS for Your Needs

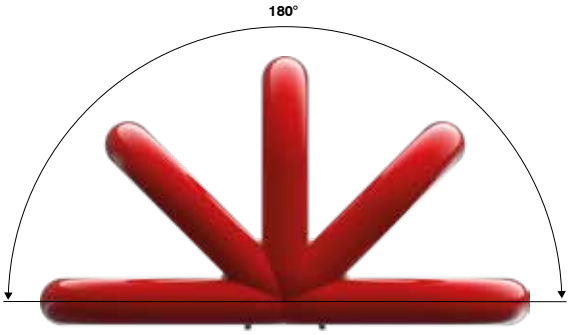
The service includes certificates for pro points as well as for other product groups from pewag.

pewag PLE/N eta

For welding onto machine components or vehicle bodies, special products are required that are ideal for attaching lifting and lashing devices. The PLE pewag pro points eta (grade 8) is such a product that has made a name for itself when it comes to high-strength eyebolts. An integrated spring keeps the ring in any position that is required. The product may be loaded in all directions.

Permitted usage
For working load limits in the permitted directions of pull (fig. Permitted usage), please refer to the working load limit table on the following pages.

Non-permitted usage
During assembly, ensure that improper loading does not 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

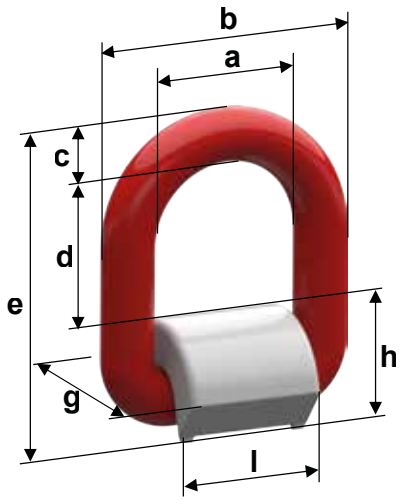


Permissible load directions

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	**Working load limit (G) [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	WLL [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	g [mm]	h [mm]	l [mm]	Weight [kg/unit]
PLE/N 6	1.120	40	62	11	42	79	36	26	35	0,31
PLE/N 8	2.000	42	69	13	45	86	37	28	37	0,40
PLE/N 10	3.150	45	78	17	47	98	41	34	40	0,63
PLE/N 13	5.300	55	99	22	53	119	61	44	50	1,46
PLE/N 16	8.000	70	120	25	73	146	63	48	64	2,30
PLE/N 22	15.000	97	163	33	92	195	89	70	90	5,40

Safety factor 4:1



Straight pull 0° G

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

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

Nominal working load limit for loading parallel to welding level (column"90°" in the working load limit table)

Lateral load direction “permitted” (ring not aligned) G

Usage with nominal working load limit is possible. It is preferable to weld on the ring in such a way that it is loaded in the folding direction.

pewag PLEW eta

The high-strength pewag winner pro points eta lifting points for welding onto machine components or vehicle bodies are ideal for the hanging of lifting and lashing parts. Thanks to the integrated spring, the ring is kept in any position that is required.

The PLEW has a higher nominal working load limit than the pewag PLE/N and is also suitable for straight-pull applications (preferred direction of loading) with higher working load limits (see operating manual). Grooves on the welding pad at 45° and 60° make it easier to recognise the permitted angle of inclination.

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

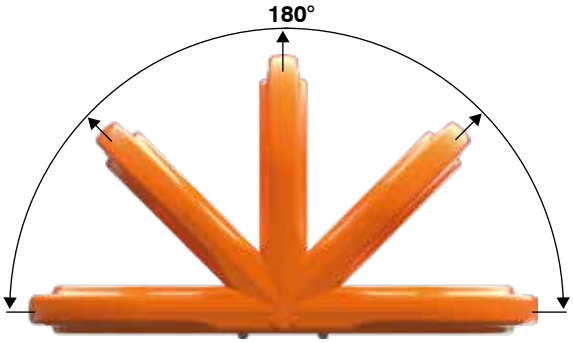
All welding operations comply with the provisions of DIN EN ISO 14341 and must be performed by welders with a valid qualification according to EN ISO 9606-1.

The lifting points are delivered in individual packaging complete with user information and welding instructions.

Permitted usage
Working load limit as stated in the test certificate and/or the working load limit table, in the specified directions of pull.

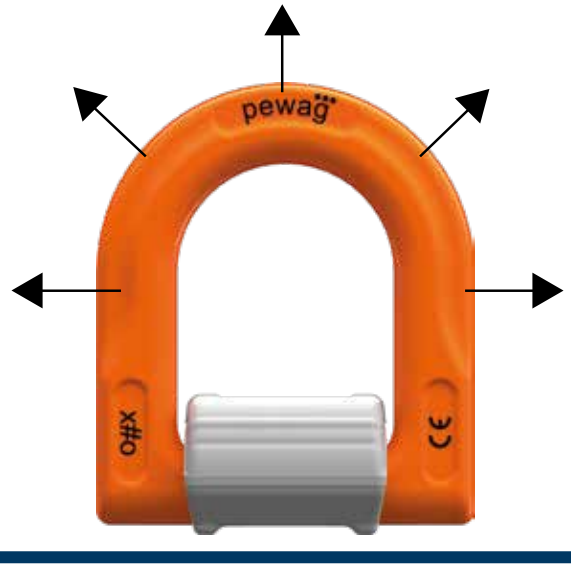
Non-permitted usage
When choosing your configuration, check that there is no risk of improper loading due to any of the following factors:
- Direction of pull is obstructed
- Direction of pull is not within the indicated area
- Loading ring rests against edges or surfaces

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



Permissible load directions

PLEW marking



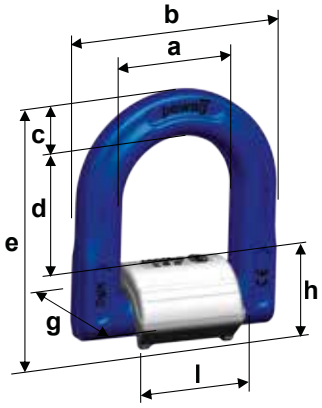
Permissible load directions

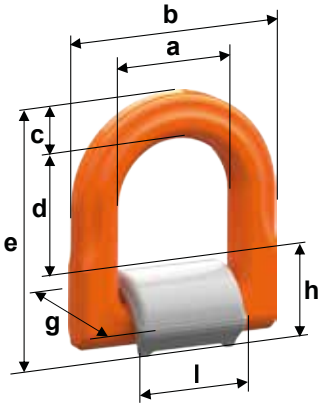
Method of lifting Number of legs Angle of inclination	 1 0°	 1 90°	 2 0°	 2 90°	 2 0-45°	 2 45°-60°	 3+4 0°-45°	 3+4 45°-60°	 2 asymm	 3+4 asymm
Code	**Working load limit (G) [kg]**									
PLEW 1,5 t CR	2.500	1.500	5.000	3.000	2.100	1.500	3.100	2.200	1.500	1.500
PLEW 2,5 t CR	4.000	2.500	8.000	5.000	3.500	2.500	5.300	3.700	2.500	2.500
PLEW 4 t CR	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	WLL [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	g [mm]	h [mm]	l [mm]	Weight [kg/unit]
PLEW 1,5 t CR	1.500	38	65	14	40	79	32	25	35	0,32
PLEW 2,5 t CR	2.500	44	75	16	47	91	37	28	41	0,50
PLEW 4 t CR	4.000	48	84	18	51	101	43	32	45	0,75
PLEW 6,7 t	6.700	60	107	24	64	132	58	44	56	1,70
PLEW 10 t	10.000	66	126	27	69	150	69	54	61	2,80
PLEW 19 t [1]	19.000	95	171	38	100	206	92	68	89	6,50

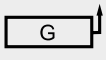
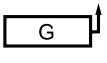
[1] Spring serves only as an aid during the welding process. With this type, the spring does not hold the in every position.

Safety factor 4:1





CR = The PLEW is available in selected sizes as a CRYO variant (PLEW CR - ring blue powder-coated) and can be ordered for operating temperatures down to -40 °C.

Straight pull 0° 	**Lateral load direction „permitted“ (ring is aligned) 90°** 	**Lateral load direction permitted (Ring not aligned)** 
		
Higher working load limit for loading vertically to welding level (column”0°” in the working load limit table)	Nominal working load limit for loading parallel to welding level (column”90°” in the working load limit table)	Usage with nominal working load limit is possible. It is preferable to weld on the ring in such a way that it is loaded in the folding direction.

pewag PLEW-LC

upon request

peTAG chip | PIP | EU | coloring | 3D | -20 °C

The pewag PLEW-LC serves as a lashing point for welding onto loads or load carriers, in which elements of lashing chains (hooks, shackles, ...) for lashing a load can be attached. The product can be used for direct lashing and lashing down. The maximum permissible lashing force LC is indicated at the lashing point. It features an integrated spring that holds the ring securely in place, making it easier to attach the lashing chain.

The robust bracket is engineered to handle full loads in every direction, ensuring maximum versatility and safety. Each lashing point is marked with a unique serial number for traceability.

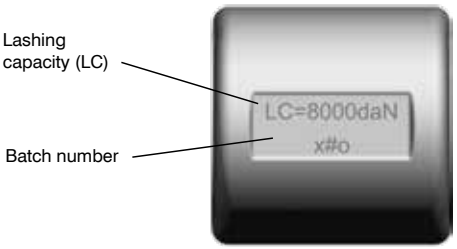
Designed for tough conditions, it remains fully operational at temperatures as low as -20 °C. Additionally, the product meets high safety standards with a safety factor of 2:1, ensuring reliable performance under demanding loads.

Permitted usage
For working load limits in the permitted directions of pull, please refer to the working load limit table.

Non-permitted usage
During assembly, ensure that improper loading does not 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 surfaces

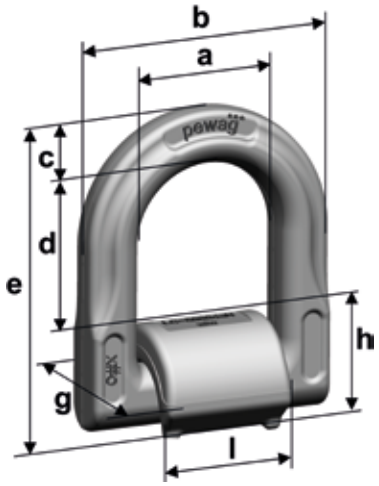
Optionally also available with peTAG (NFC chip) or PIP (colour marking).

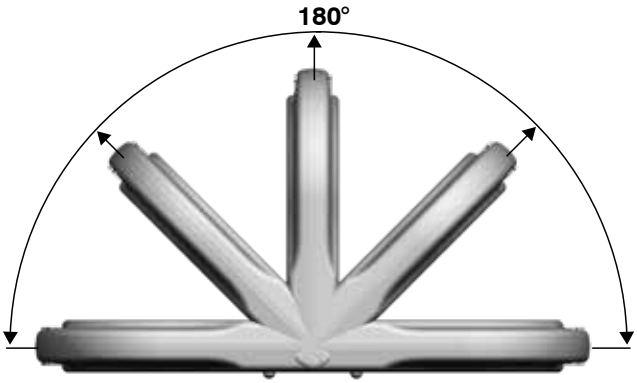
Identification on weld on block



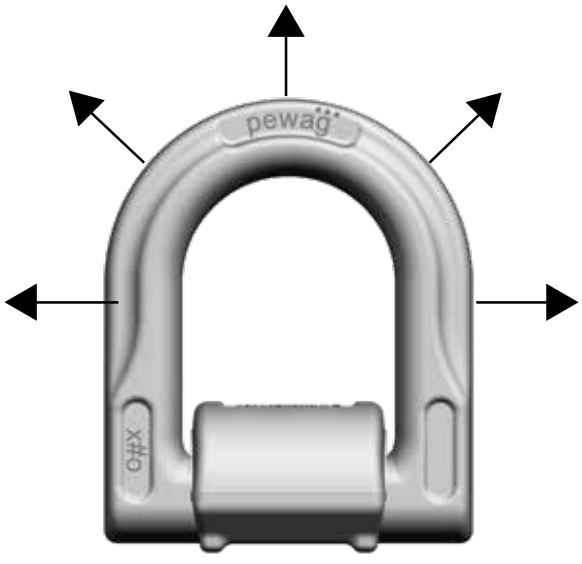
Component description and location of identification details on product.

Code	Max. lashing capacity LC [daN]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	g [mm]	h [mm]	l [mm]	Weight [kg/unit]
PLEW-LC 3000	3000	38	65	14	40	79	32	25	35	0,32
PLEW-LC 5000	5000	44	75	16	47	92	37	28	41	0,50
PLEW-LC 8000	8000	48	84	18	51	101	43	32	45	0,75
PLEW-LC 13400	13400	60	107	24	64	132	58	44	56	1,70
PLEW-LC 20000	20000	66	126	27	69	150	69	54	61	2,80





Permissible load directions



Permissible load directions

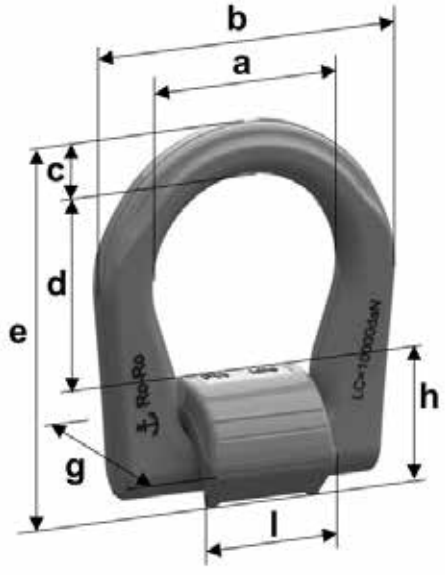
pewag Ro-Ro

upon request

The Ro-Ro is a lashing point from the pewag profilash family, specifically developed for securing commercial vehicles and semi-trailers on Ro-Ro ships in accordance with EN 29367 Part 1 and Part 2. It features a ring that can be folded 180° and a weld-on block. With a lashing capacity (LC) of 10.000 daN, the Ro-Ro ensures reliable and robust securing of cargo.

Additional benefits of the Ro-Ro lifting point:
- Large ring opening according to standard specifications (min. 80mm)
- Operating temperature -40°C without reduction - Serial number possible
- 2-fold safety against breakage

Code	Lashing capacity [daN]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	g [mm]	h [mm]	l [mm]	Weight [kg/pc.]
Ro-Ro 10.000daN	10000	89	141	25	89	169	69	54	61	2,9



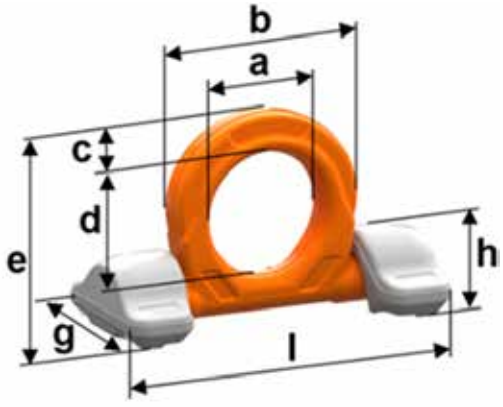
pewag PLKW kappa

The weldable lifting point, featuring two patented welding blocks, is ideal for lifting (safety factor 4) and load securing (safety factor 2). It is primarily used on machine frames, steel structures, beams, and housings. This design allows the forces to be transferred more effectively to the substructure. No measuring by the welder is required due to the patented design. It also offers a smart safety feature, as the required overlap is ensured. Working load limits have been optimized, especially for PLKW 7 t and 32.5 t. peTAG available upon request only.

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	Working load limit (G) [kg]									
PLKW 4t	4.000	4.000	8.000	8.000	5.600	4.000	8.400	6.000	4.000	4.000
PLKW 7t	7.000	7.000	14.000	14.000	9.800	7.000	14.800	10.500	7.000	7.000
PLKW 10t	10.000	10.000	20.000	20.000	14.100	10.000	21.200	15.000	10.000	10.000
PLKW 16t	16.000	16.000	32.000	32.000	22.600	16.000	33.900	24.000	16.000	16.000
PLKW 32,5t	32.500	32.500	65.000	65.000	45.900	32.500	68.900	48.700	32.500	32.500

Code	Working load limit [kg]	a [mm]	b [mm]	c [mm]	e [mm]	g [mm]	h [mm]	l [mm]	Weigth [kg/pc.]
PLKW 4t	4.000	48	78	17	82	60	28	136	0,8
PLKW 7t	7.000	60	100	21	104	83	39	173	1,9
PLKW 10t	10.000	70	118	24	121	95	43	204	2,9
PLKW 16t	16.000	90	150	30	155	120	55	264	6,1
PLKW 32,5t	32.500	130	214	44	222	170	77	374	17,2



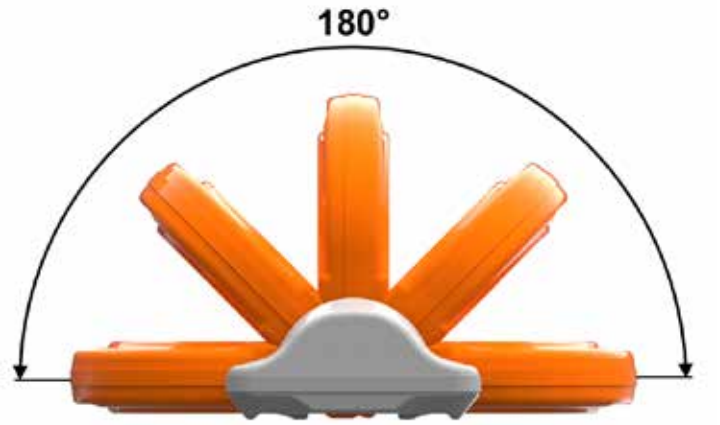
Assembly steps of the PLKW

A. Weld the first welding block

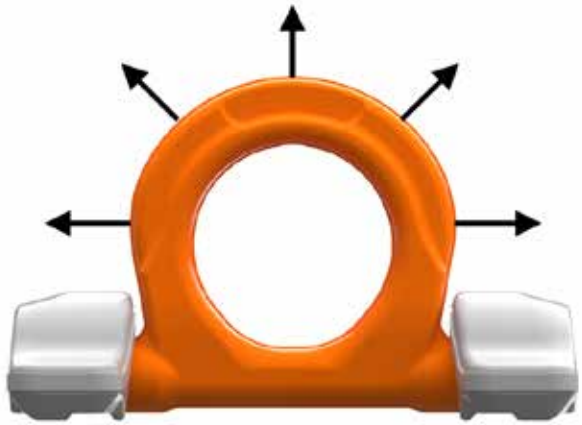
B. Insert the ring into the welding block (ensure correct position – middle studs facing upward)

C. Rotate the ring by 180°

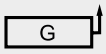
D. Place the second block, align it, and weld



Permissible load directions



Permissible load directions

Straight pull 0° 	**Lateral load direction „permitted“ (ring is aligned)** 	**Lateral load direction “permitted” (ring is not aligned)**
		
Nominal working load limit for loading vertically to welding level (column”0°” in the working load limit table)	Nominal working load limit for loading parallel to welding level (column”90°” in the working load limit table)	Usage with nominal working load limit is possible. It is preferable to weld on the ring in such a way that it is loaded in the folding direction (see figure in the middle).

pewag AWHW

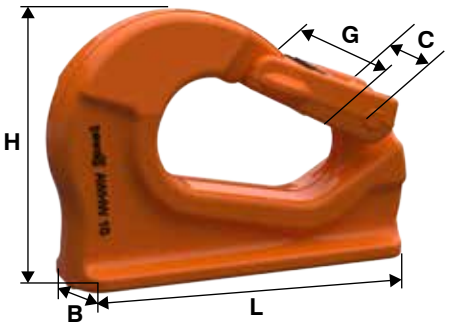
Spare parts | EU | 4:1 | 3D

This high-strength hook is particularly well suited for welding onto excavator bucket, 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 shifting.

The product is manufactured according to EN 1677-1 with a higher working load limit and comes with full operating and welding instructions that must be complied with at all times. The weld-on hook also has a CE marking. Replacing the SFGW-A safety catch set is easy and quick, without the need for special tools.

Code	WLL [kg]	L [mm]	H [mm]	G [mm]	B [mm]	C [mm]	Weight [kg/unit]
AWHW 1,3	1.300	95	74	20	25	34	0,67
AWHW 3,8	3.800	132	106	26	35	40	1,40
AWHW 6,3	6.300	167	133	29	45	49	2,95
AWHW 10	10.000	175	136	29	50	49	4,02

Safety factor 4:1



pewag PLGW-PSA anchorage point

The pewag PLGW-PSA anchorage point is part of the anchorage system to which personal fall protection equipment may be attached. It was developed and tested in accordance with the stringent safety requirements for personal protection equipment according to EU regulation 2016/425 and already complies with the new EN795:2012 and CEN/TS 16415 standards. Usage is also possible in accordance with OSHA standards (1910/1926). For all other details, please refer to the operating manual.

The PLGW-PSA is available in a “Basic” and “Supreme” version: The PLGW-PSA Basic is intended for permanent attachment to the anchorage system (e.g. tripod) and is mounted using a commercial Allen key. The PLGW- PSA Supreme is based on a patented system that allows for tool-free assembly and disassembly. The anchorage point is therefore easy to remove after usage. For detailed information on functionalities, please refer to the operating manual.

Thanks to the varnish in RAL 1003, both versions are also permitted for usage on stationary antennae systems (radio masts). The pewag PLGW- PSA anchorage point is available in size M12 (for 1 person)), M16 and M20 (for max. 2 persons). All sizes are also available with a customised thread length.

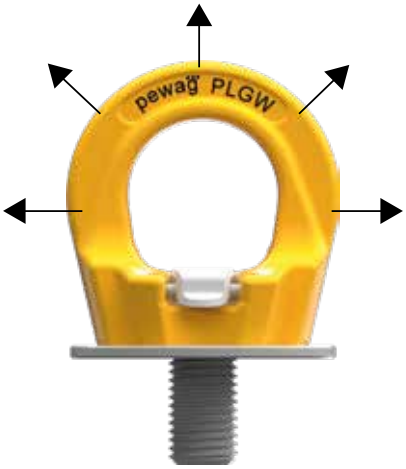
Each anchorage point is marked with the thread size and the permissible number of persons as well as additional information. The individual serial number enables complete documentation of the required test procedures.

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

pewag PLGW-PSA supreme for tool-free assembly

PLGW-PSA rotatable

PLGW-PSA dis-/assembly

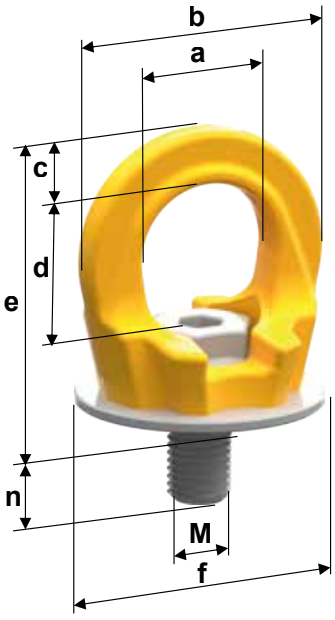


Loadable on all sides

Marking on sleeve and screw

Code	Thread [mm]	Persons	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	f [mm]	n [mm]	n max [mm]	Hexagon [mm]	Weight [kg/unit]
PLGW PSA M12	M12	1	30	55	12	32	63	55	20	160	8	0,30
PLGW PSA M16	M16	2	35	64	14	36	70	62	25	160	10	0,47
PLGW PSA M20	M20	2	40	73	16	41	81	66	30	160	12	0,60

pewag PLGW-PSA basic



pewag PLGW-PSA basic

pewag PLGWI-PSA anchorage point

The pewag PLGWI-PSA anchorage point is part of the anchorage system to which personal fall protection equipment may be attached. It was developed and tested in accordance with the stringent safety requirements for personal protection equipment according to EU regulation 2016/425 and already complies with the new EN795:2012 and CEN/TS 16415 standards. Usage is also possible in accordance with OSHA standards (1910/1926).
For all other details, please refer to the operating manual.

Unlike the PLGW-PSA, the PLGWI-PSA is made from stainless material (INOX).

In addition, the screws are available in the desired and/or maximum lengths. The PLGWI-PSA may be mounted using a special pewag PLGW key or a standard Allen key.

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

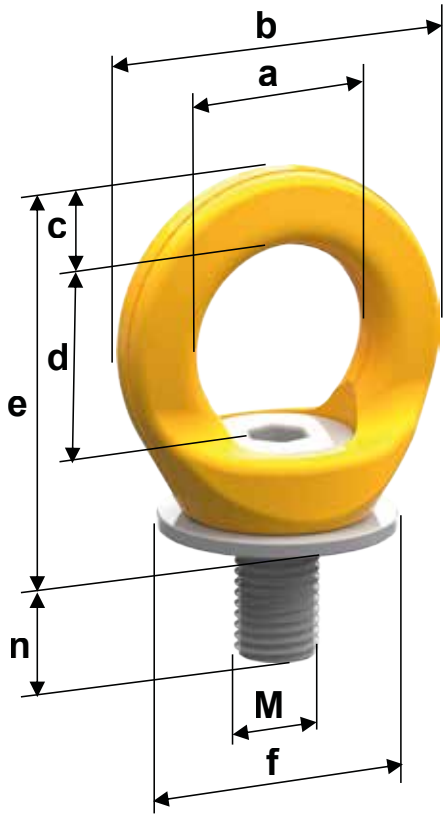
pewag PLGWI-PSA

Loadable on all sides

Marking on sleeve and screw.

Code	Thread [mm]	Persons	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	f [mm]	n [mm]	n max [mm]	Hexagon [mm]	Weight [kg/unit]
PLGWI PSA M12	M12	1	30	55	12	30	59	40	18	160	8	0,23
PLGWI PSA M16	M16	2	35	64	14	35	67	45	23	160	10	0,37

pewag PLGWI-PSA



pewag PLGWI-PSA

pewag pro points
As individual as your needs.

Innovative. Reliable. Industry-specific.

pewag offers tailored solutions for diverse industries, ensuring quality and safety in every application.
From durable chains to advanced lifting solutions, we deliver the tools you need to succeed.

Discover the right solution for your challenges – with pewag.

- AGRICULTURE & FORESTRY INDUSTRY
- AQUACULTURE, FISHERIES & MARINE INDUSTRY
- CONSTRUCTION INDUSTRY
- DEFENSE & SECURITY
- ENTERTAINMENT INDUSTRY
- ENGINEERING & MANUFACTURING INDUSTRY
- MATERIALS HANDLING INDUSTRY
- MINING INDUSTRY
- MOULDING INDUSTRY
- OIL & GAS INDUSTRY
- PUBLIC ADMINISTRATION INDUSTRY
- TRANSPORT & LOGISTICS INDUSTRY
- VEHICLE & ROAD TRAFFIC INDUSTRY
- WASTE WATER INDUSTRY
- WIND ENERGY INDUSTRY

Based on your requirements, pewag develops safe and user-friendly, customised solutions.

- Whether there is a thread that needs adjusting (pipe thread, internal thread, locking pin etc.),
- solutions need to be customised (colour, reduced contact surface etc.)
- or welded adaptations are required (welded hook, attachment to mounting plate etc.)

we are looking forward to supporting you all the way.

Just get in touch!

propoints@pewag.com

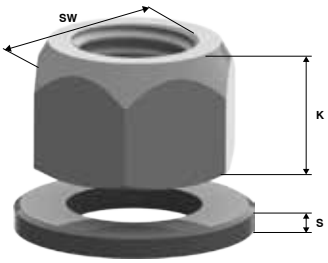
pewag PLMS screw nut

This set is often used for pewag winner lifting points with customised lengths.
For sizes M8 to M48, these accessories are available as a set: The nut manufactured according to DIN 980V in strength category 10. A washer completes the set.
From size M56, the nut is 1,5 times as long and is manufactured according to DIN 6331.

PLMS: M8 to M48

M56 and larger

PLMS Screw nut



Code	Thread [mm]	Thread pitch P [mm]	SW [mm]	K [mm]	S [mm]	PU [unit]
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	84	-	1
PLMS 64	M64	6	95	96	-	1
PLMS 72	M72	6	105	108	-	1
PLMS 80	M80	6	115	120	-	1
PLMS 90	M90	6	130	135	-	1
PLMS 100	M100	6	145	150	-	1

pewag PLGES spare latches set

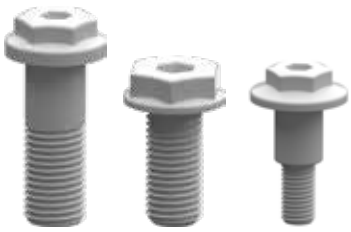
The spare latches set for the PLGW pewag pro points gamma supreme is available now.

PLGES Spare latches

Code	Accessory part for	PU [pair]
PLGES 0,5 t	PLGW 0,3 t; PLGW 0,5 t; PLGW U 3/8	1
PLGES 0,7 t	PLGW 0,7 t; PLGW U 1/2	1
PLGES 1,5 t	PLGW 1,5 t; PLGW U 5/8, PLOW 2 t	1
PLGES 2,3 t	PLGW 2,3 t; PLGW U 3/4	1
PLGES 3,2 t	PLGW 3,2 t; PLGW U 1	1
PLGES 4 t	PLGW 4 t; PLGW 4,9 t; PLGW U 1 1/4, PLOW 3,4 t, PLOW 4,7 t	1
PLGES 7 t	PLGW 7 t; PLGW U 1 1/2	1
PLGES 9 t	PLGW 9 t; PLGW U 1 3/4	1
PLGES 12 t	PLGW 12 t	1

pewag Replacement screws for PLAW, PLGW and PLZW

pewag spare parts meet high quality standards. The PLAS, PLGS, and PLZS screws are compatible with the PLAW, PLGW, and PLZW pro points types, offering reliable performance with metric threads.

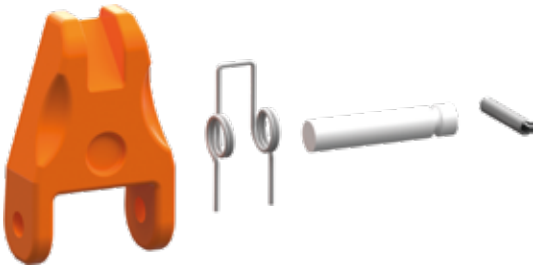


PLAS PLGS PLZS

Replacement screws for PLAW, PLGW and PLZW	Thread [mm]	PU [pieces]	Code for PLAW	Code for PLGW	Code for PLZW
	M8	10	PLAS 0,3 t	PLGS 0,3 t	PLZS 0,4 t
	M10	10	PLAS 0,63 t	PLGS 0,5 t	PLZS 0,63 t
	M12	10	PLAS 1 t	PLGS 0,7 t	PLZS 0,95 t
	M14	10	-	-	PLZS 1,3 t
	M16	10	PLAS 1,5 t	PLGS 1,5 t	PLZS 1,8 t
	M18	10	-	-	PLZS 2,2 t
	M20	10	PLAS 2,5 t	PLGS 2,3 t	PLZS 2,5 t
	M22	10	-	-	PLZS 3,7 t
	M24	10	PLAS 4 t	PLGS 3,2 t	PLZS 4 t
	M27	4	-	-	PLZS 5,4 t
	M30	4	PLAS 6 t	PLGS 4,9 t	PLZS 6,3 t
	M33	2	-	-	PLZS 8 t
	M36	1	PLAS 8 t	PLGS 7 t	PLZS 10 t
	M42	1	PLAS 10 t	PLGS 9 t	PLZS 13 t
	(M42)	1	PLAS 15 t	-	-
	M48	1	PLAS 20 t	PLGS 12 t	PLZS 15 t

pewag SFGW-A safety catch sets

These SFGW-A safety catch sets forged-with and electro-galvanised safety catch and a spring made from rust-proof spring steel are all about safety and security.



SFGW-A safety catch sets	Code	For accessory part
	SFGW-A 1	AWHW 1,3
	SFGW-A 3	AWHW 3,8
	SFGW-A 6	AWHW 6,3, AWHW 10

pewag PLGIS Allen key set

Assembly of the PLGW requires tools. Special Allen keys make assembly of the PLGW basic M8 up to and including M20 particularly straightforward. The keys are marked with the size and the torque and are available as a complete set.

The PLGW supreme is designed for tool-free assembly.

pewag ALP thread adapter

Loads often come with tapped holes for DIN-580 eyebolts.

By using the pewag thread adapter, the high-strength pewag lifting points (PLAW, PLGW, PLDW) can replace the standard 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. The permitted working load limit corresponds to the pewag lifting point fitted in the internal thread.

pewag peTAG chip

The pewag peTAG solution enables the intelligent, location-independent management of product-specific information.

Via an NFC chip on the product, relevant product information (working load limits, safety instructions, operating manual) is literally at your fingertips. All you need is a NFC-compatible smartphone.
Your benefits at a glance:

- Clear object identification.
- Efficient documentation of test processes.
- Safe archiving of data.
- Mobile data retrieval without expensive readers.
- Automated compilation and dispatch of inspection reports.
- Efficient interaction with service partners.
- Intelligent, high-performance online platform.

Note: As every lifting point comes with just one pilot hole, you can use them either for the peTAG (NFC chip) or the PIP (colour marking).

Example: PLGW with peTAG (NF chip)

peTAG solution:
Smart solution
– intelligent core

pewag PIP colour marking

The PIP is a variable marking made from soft plastic that fits into the existing 4mm peTAG hole on all screw-in pewag winner lifting points.

The plug is a visual indicator for regular inspections
– if no peTAG was fitted into the hole, the PIP may be fitted instead, serving as a test marking.

It is characteristic of the PIP that it is available in a different colour each year. The user (and tester) is thus able to determine the date of the latest inspection based on the colour of the PIP.

Note: As every lifting point comes with just one pilot hole, you can use them either for the peTAG (NFC chip) or the PIP (colour marking).

User information

Information and safety guidelines on usage, storage, inspection and servicing of pewag winner lifting points.

General information

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

Responsibility is key
If the pewag winner pro points 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 them 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 pro points lifting points are safe and strong. 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 position on 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! Damages to the load, lifting gear or lifting 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 slings), 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.

The load capacities of the pewag lifting points only apply if the load is symmetrically distributed over the individual lifting points. If the load is lifted, the same angles of inclination result in the individual slings.
For our pewag lifting points a load may be considered symmetrical when all of the following conditions apply:
1. The load is less than 80 % of the indicated load capacity
2. The angles of inclination of all chain legs are not lower than 15° and are very similar.
3. For three- and four-leg lifting, it must be ensured that the corresponding plan angles are within 15° of each other.
   Usage in 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 working load limit 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.

Screw-in lifting points

We recommend the following minimum screw penetration:
- 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:
- 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)
- Rotatable lifting points may be rotated freely and smoothly.

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

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

Weldable lifting points

For welding, the following instructions apply:
- Welding processes may only be performed by a qualified welder according to EN ISO 9606-1.
- The material of the welded-on parts is specified on the operating manual that is included in the scope of delivery.
- 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 of in case of visible damage, the lifting points must be decommissioned and inspected by a competent person. This also applies to usage after unusual events, for instance uncontrolled exposure to heat.

Correct maintenance

The maintenance of pewag winner pro points 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 be 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 working load limit, more frequent inspections are required! All 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 documentation sheet is available for download at **www.pewag.com**.

Clean storage

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

Important

Some pro points lifting points may also be used for lashing - see the user manual. The admissible lashing capacity is double the nominal working load limit, as a 2-fold safety factor applies to the securing of loads. For the PLZW lifting points, a 2,5-fold safety factor applies as lifting operations require a safety factor of 5:1 for lifting operations. We recommend consulting the pewag technical service prior to using the lifting points as lashing points.

Example
PLE/N 8 = 2.000 kg working load limit for lifting operations. As lashing point LC = 4.000 daN admissible lashing capacity

Warning: A lifting point may only be used **either** for lifting, **or** for lashing. If a lifting point was once used for lashing, it must not be used for lifting!

Please refer to our website at www.pewag.com for detailed information on working load limits, measures and 3D models (section Lifting Technology / 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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