pewag

WORLD'S STRONGEST CHAIN

www.pewag.com

pewag winner profilift lifting points

Lifting and lashing

E

Content

Screwable and weldable lifting points from pewag

The new high quality manufactured pewag winner profilift lifting points, are the perfect addition to the pewag winner chain sling programme and extends its operational range.

Welcome to the pewag group

We are an internationally operating group of companies. Our track record goes back to the year 1479.

Determination to innovate

pewag group's Mission Statement expresses the goals of our actions:

Driven by our determination to innovate, we at pewag manufacture the world's best chains today and in the future. The high quality of our products and services as well as the passionate commitment of our employees guarantee safety for moving people and goods. Our customers set the benchmark for our achievements.

Principles of pewag group

Brands
The values of our premium brands are demonstrated by our first class quality and innovations and are communicated consistently and coherently. We anticipate market demands and changes in the environment and adapt our strategies, organization and actions accordingly.

Due diligence
In all our processes we use due diligent business practices and efficiency and strive to improve these continuously. In the long run, high profits secure the future of the organization and the growth of the corporate group.

Technological leadership
We secure our technological leadership through highest product quality, constant improvements and innovations of products, as well as manufacturing processes. We commit ourselves to careful treatment of the environment by reducing the use of energy and raw materials, ensuring the longevity of our products and making them recyclable.

People within our group
We value open, honest and team-oriented work-style, which is based on transparent communication. The ideas, opinions and experience of our employees are valuable inputs for our decision making process. We strive for stable and fair partnerships with our customers, suppliers and other business partners. Social aspects are considered when making business decisions.

We are a modern group of companies which looks back to a tradition and experience of more than 500 years. Since our founding years, a lot has changed, but the values that made our success possible from the beginning remain.

pewag group – Innovation. Quality. Partnership.

History of the pewag group

Advantage through tradition

The history of pewag group goes back to the 15th century and therefore makes us the oldest chain manufacturer worldwide. With our experience we are ready for the future.

Timetable of important events

1479 First documented references of a forging plant in Brückl
1787 Foundation of a chain forgery in Kapfenberg
1803 Foundation of a chain forgery in Graz
1836 Establishment of an iron casting plant in Brückl
1912 Production of the First Snow Chain worldwide
1923 Merger of plants in Graz and Kapfenberg – Creation of the name "pewag"
1972 Foundation of a sales company in Germany
1975 Foundation of a sales company in the USA
1993 Foundation of pewag austria GmbH
1994 Foundation of the first subsidiary in Czech Repbulic
1999 Acquisition of the Weissenfels Group
2003 Separation from the Weissenfels Group
2005 Reorganization into 2 groups:
Schneeketten Beteiligungs AG Group – Snow Chains
pewag austria GmbH Group – Technical Chains
2009 Acquisition of Chaineries Limousines S.A.S.

Lithography forging plant Brückl 1855

Anchor chain forgery 1878

Chain forgers 1956

Quality management

Our ultimate goal is to achieve customer satisfaction

To reach this goal, the quality management of the pewag group is determined by the principle: "We supply our customers with high-quality products which fully meet technological standards and its usage requirements," this is summarized in the four following mandatory principles:

Market oriented quality
To maintain and improve its competitive position, the quality of products and services of the pewag group must meet both the specifications of our customers and the standards one can expect from the technological leader in the industry.

Economic quality
As a profit-oriented company the quality is also determined by the material used, labor costs and financial possibilities, i.e. also within the framework awarded by the customer.

Responsibility for Quality
Quality management is the task and obligation of executives at all levels. Every employee of the pewag group has to be integrated by management in the preparations, execution and evaluation of the quality management measures.

Every employee takes the responsibility for the quality of his work.

Process oriented quality assurance
The close interaction between sales, product development, production and customer service is regulated within the individual companies by fixed processes and activities, as well as responsibilities with the aim to reach and maintain the defined quality standards.

AUSTRIA

ISO 14001 TÜV SÜD ISO 9001

Business areas

Working with pewag products

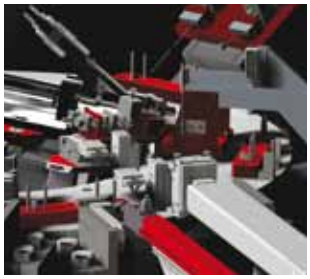
The pewag group has a substantial and diverse spectrum of products and services.

Our range of products varies from traction chains for tires (snow chains for passenger cars, trucks and special-purpose vehicles, tire protection chains for mining vehicles) over different industrial chains to products for the do-it-yourself sector (light chains, belts, etc.)

Segment A
Snow and forestry chains

Segment B
Hoist and conveyor chains

Segment C
Do-it-yourself



Segment D
Engineering

Segment F
Lifting and lashing chains and accessories

Segment G
Tire protection chains

Environment – we take responsibility

Ecological awareness in all areas

We continuously strive to keep the influence of our business on the environment as low as possible. Our production and warehousing is organized so that all legal requirements on environmental protection are fulfilled. Furthermore, we consider ecological aspects for our product development, processes and distribution channels and include these in our business planning.

Consequently, we are permanently striving for a continuous improvement and development of our established products to reach higher load capacities and safety for our customers with lighter weights and longer life spans.

Wherever we cannot avoid an environmental impact, we strive to reduce the use of energy, environmentally harmful emissions and keep the production of waste to a minimum. When investing in new machines we consider the technically most adequate and economically feasible state-of-the-art designs for their designated area of use.

Our environmental management is certified according to ISO 14001:2004. Regular internal audits assist to supervise compliance, test the effectiveness of our set standards and serve as a basis to determine improvement potentials.

Out of this long-lasting tradition we take responsibility for our products, employees, our sites and the environment very seriously.

We commit to comply with all environment-related regulations and continually improve our performance for the environment by defined goals. For that purpose we use modern production technologies. We enhance the ecological awareness of our employees by regular trainings.

We engage with our customers, neighbors and government agencies in an open communication and inform them about our environmental management wherever appropriate.

By providing advice, we want to inform our customers about the environmental aspects related to the use of our products – especially their long life spans. We are striving to motivate our customers and suppliers to consider environmental protection in their sphere of influence and use the same environmental standards as we do.

Customer proximity

International presence

After a changing history pewag has established itself today as one of the world's leading chain manufacturers with 22 sales locations and 6 production sites on two continents - Europe and North America.

pewag as an international corporate group is supported by a strong and professional partner network. This cooperation allows for optimized customer service and support.

Production and sales locations

Europe	
Austria	pewag austria GmbH, Graz pewag austria GmbH, Kapfenberg pewag Schneeketten GmbH & Co KG, Graz pewag Schneeketten GmbH & Co KG, Brückl pewag engineering, Kapfenberg AMW Grünberger Handelsgesellschaft mbH, Wien
Germany	pewag Deutschland GmbH, Unna pewag Schneeketten Deutschland GmbH, Unna
France	J3C S.A.S. pewag France, Seyssins Chaineries Limousines S.A.S., Bellac
Italy	pewag italia s.r.l., Andrian
Netherlands	pewag nederland B.V., Hillegom APEX International BV, Hillegom

Europe	
Poland	pewag polska Sp. z o.o., Buczkowice
Russia	OOO „pewag", Moscow
Sweden	pewag sweden AB, Emmaboda
Slovakia	pewag slovakia s.r.o., Kršany
Czech Republic	Řetězárna Česká Třebová s.r.o., Česká Třebová pewag s.r.o, Vamberk
Ukraine	TOV „pewag Ukraine", Lviv

North America	
USA	pewag Inc., Bolingbrook, Illinois pewag Inc., Rocklin, California

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itself on the internet.
More ...

www.pewag-group.com
www.pewag.com

Screwable lifting points

Screwable lifting points

Overview

Safe. Innovative. pewag.

Competent safety in case of lifting and lashing for the operating staff and goods

pewag winner profilift lifting points illustrate the logical amplification of the worldwide sucessful pewag winner lifting gear programme and enable pewag to enter further operational areas. A new and promising dynamic will set into these market segments with the latest innovation of the screwable types of lifting points. Simultaneously we are working on the further extension of the lifting points assortment, whereas safety, user friendliness and comptability are placed at the central point. Each pewag winner lifting point is marked with an individual serial number and convinces with an innovative design.

pewag winner profilift lifting points correspond to the Machine-Directive (MRL) 2006/42/EG respectively Machine-Safety-prescriptions (MSV) 2010 as well as EN 1677-1 and technical specifications. The pewag winner profilift 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 with 2.5-fold Working load limit.

The table with the working load limit - depending on the type of application as lifting gear, number of legs and angle of inclination - is a part of the detailed user manual corresponding to the Machine-Safetyprescriptions 2010 and Machine-Directive and is packed together with each lifting point.

Stamping of the serial number


testing in pewag laboratory

User manual

Screwable lifting points

The current range of pewag lifting points will soon be extended by two products, the ball bearing lifting point pewag winner profilift delta and the innovative alloy steel eyebolt pewag winner profilift gamma.

PLAW pewag winner profilift alpha	Code	Thread [mm]	Load capacity [kg]
	PLAW 0,3	M8 x 1,25	300
	PLAW0,63	M10 x 1,5	630
	PLAW 1	M12 x 1,75	1.000
	PLAW1,5	M16 x 2	1.500
	PLAW 2,5	M20 x 2,5	2.500
	PLAW 4	M24 x 3	4.000
	PLAW 6	M30 x 3,5	6.000
	PLAW 7*	M36 x 4	7.000
	PLAW 8	M36 x 4	8.000
	PLAW 10	M42 x 4,5	10.000
	PLAW 15	M42 x 4,5	15.000
	PLAW 20	M48 x 5	20.000

* Special models available on request!

PLBW pewag winner profilift beta	Code	Thread [mm]	Load capacity [kg]
	PLBW 0,3 t	M 8 x 1,25	300
	PLBW 0,6 t	M10 x 1,5	600
	PLBW 1 t	M12 x 1,75	1.000
	PLBW 1,3 t	M14 x 2	1.300
	PLBW 1,6 t	M16 x 2	1.600
	PLBW 2 t	M18 x 2,5	2.000
	PLBW 2,5 t	M20 x 2,5	2.500
	PLBW 3 t	M22 x 2,5	3.000
	PLBW 4 t	M24 x 3	4.000
	PLBW 5 t	M27 x 3	5.000
	PLBW 6,3 t	M30 x 3,5	6.300
	PLBW 8 t	M33 x 3,5	8.000
	PLBW 10 t	M36 x 4	10.000
	PLBW 12,5 t	M42 x 4,5	12.500
	PLBW 15 t	M48 x 5	15.000

PLDW* pewag winner profilift delta	Code	Thread [mm]	Load capacity [kg]
	PLDW 0,3T	M8 x 1,25	300
	PLDW 0,5T	M10 x 1,5	500
	PLDW 0,7T	M12 x 1,75	700
	PLDW 1T	M14 x 2	1.000
	PLDW 1,5T	M16 x 2	1.500
	PLDW 2,5T	M20 x 2,5	2.500
	PLDW 4T	M24 x 3	4.000
	PLDW 6T	M30 x 3,5	6.000
	PLDW 8T	M36 x 4	8.000
	PLDW 10T	M42 x 4,5	10.000
	PLDW 12,5T	M48 x 5	12.500

*Availability on request!

PLGW* pewag winner profilift gamma	Code	Thread [mm]	Load capacity [kg]
	PLGW 0,4	M8 x 1,25	400
	PLGW 0,5	M10 x 1,5	500
	PLGW 0,7	M12 x 1,75	700
	PLGW 1,5	M16 x 2	1.500
	PLGW 2	M20 x 2,5	2.000
	PLGW 3	M24 x 3	3.000
	PLGW 4	M30 x 3,5	4.000
	PLGW 7	M36 x 4	7.000
	PLGW 9	M42 x 4,5	9.000
	PLGW 12	M48 x 5	12.000

*Availability on request!

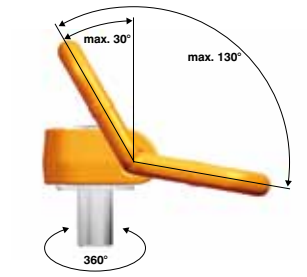
AOR lifting point	Code	Thread [mm]	Load capacity [kg]
	AOR 10	M16 x 2	3.150
	AOR 13	M20 x 2,5	5.300
	AOR 16	M30 x 3,5	8.000
	AOR 22	M36 x 4	15.000
	AOR 26	M42 x 4,5	21.200
	AOR 28	M45	25.000
	AOR 32	M56	31.500
	AOR 34	M56	36.000

RGS alloy steel eyebolt	Code	Thread [mm]	Load capacity [kg]
	RGS 8	M8 x 1,25	400
	RGS 10	M10 x 1,5	700
	RGS 12	M12 x 1,75	1.000
	RGS 14	M14 x 2	1.200
	RGS 16	M16 x 2	1.500
	RGS 20	M20 x 2,5	2.500
	RGS 24	M24 x 3	4.000

PLAW pewag winner profilift alpha

360° rotatable lifting point. The load ring is loadable in a range of 130° and can be positioned at any required angle due to its replaceable and patented spring. Likewise interchangeable is the hexagon-special screw from grade 10.9 material, which is sesecured against loss. The screw is 100% crack detection tested as well as covered with a chromate VI-free protection against corrosion, and marked with the load capacity and thread size.

pewag winner profilift alpha is able to withstand a 4-fold Safety against break in all directions. Each lifting point is marked with an individual serial number that allows product traceability. pewag winner profilift alpha is available with metric or UNC-thread, whereas the lifting points with metric thread are also obtainable with customized thread lengths. The table with the working load limit depending on the type of application as lifting gear, number of legs and angle of inclination is a part of the user manual and packed together with each lifting point.



Picture 1

Method of lifting											
Number of legs	**1**	**1**	**2**	**2**	**2**	**2**	**3+4**	**3+4**	**2**	**3+4**
Angle of inclination	**0°**	**90°**	**0°**	**90°**	**0°–45°**	**45°–60°**	**0°–45°**	**45°–60°**	**asymm.**	**asymm.**
Code	**Thread [mm]**	**Fastening torque [Nm]**	**Load capacity [kg]**									
PLAW 0,3	M 8	35 Nm	300	300	600	600	400	300	600	400	300	300
PLAW 0,63/09	M10	70 Nm	630	630	1250	1250	850	630	1300	900	630	630
PLAW 1/09	M12	120 Nm	1.000	1.000	2.000	2.000	1.400	1.000	2.100	1.500	1.000	1.000
PLAW 1,5/09	M16	200 Nm	1.500	1.500	3.000	3.000	2.100	1.500	3.100	2.200	1.500	1.500
PLAW 2,5	M20	300 Nm	2.500	2.500	5.000	5.000	3.500	2.500	5.200	3.700	2.500	2.500
PLAW 4	M24	400 Nm	4.000	4.000	8.000	8.000	5.600	4.000	8.400	6.000	4.000	4.000
PLAW 6	M30	500 Nm	6.000	6.000	12.000	12.000	8.500	6.000	12.650	9.000	6.000	6.000
PLAW 7 *	M36	800 Nm	7.000	7.000	14.000	14.000	9.800	7.000	14.700	10.400	7.000	7.000
PLAW 8	M36	800 Nm	8.000	8.000	16.000	16.000	11.200	8.000	16.800	12.000	8.000	8.000
PLAW 10	M42	1.500 Nm	10.000	10.000	20.000	20.000	14.000	10.000	21.000	15.000	10.000	10.000
PLAW 15	M42	1.500 Nm	15.000	15.000	30.000	30.000	21.000	15.000	31.500	22.500	15.000	15.000
PLAW 20	M48	2.000 Nm	20.000	20.000	40.000	40.000	28.000	20.000	42.000	30.000	20.000	20.000
Code	**Thread [Zoll]**	**Fastening torque [lb/ft]**	**Load capacity [lbs]**									
PLAW U5/16*	5/16" - 18	25,8 lb/ft	660	660	1.300	1.300	920	660	1.350	950	660	660
PLAW U3/8	3/8" - 16	51,6 lb/ft	1.350	1.350	2.700	2.700	1.870	1.350	2.860	1.980	1.350	1.350
PLAW U1/2	1/2" - 13	88,5 lb/ft	2.200	2.200	4.400	4.400	3.080	2.200	4.620	3.300	2.200	2.200
PLAW U5/8	5/8" - 11	185 lb/ft	3.300	3.300	6.600	6.600	4.620	3.300	6.820	4.840	3.300	3.300
PLAW U3/4	3/4" - 10	221 lb/ft	4.400	4.400	8.800	8.800	6.000	4.400	9.200	6.500	4.400	4.400
PLAW U1	1"-8	369 lb/ft	8.800	8.800	17.600	17.600	12.320	8.800	18.480	13.200	8.800	8.800
PLAW U1 1/4	1 1/4" - 7	590 lb/ft	13.200	13.200	26.400	26.400	18.700	13.200	27.830	19.800	13.200	13.200
PLAW U1 1/2	1 1/2" - 6	1100 lb/ft	17.000	17.000	34.000	34.000	24.000	17.000	36.000	25.500	17.000	17.000
PLAW U1 3/4	1 3/4" - 5	1475 lb/ft	22.000	22.000	44.000	44.000	30.000	22.000	45.000	33.000	22.000	22.000

* Special models only available on request!

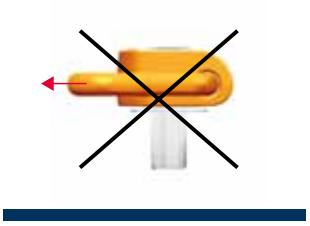
Safety factor 4

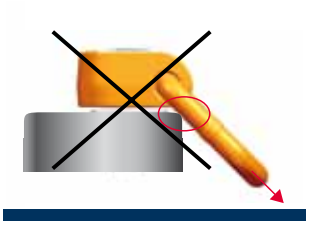
Attention: Subject to technical changes!

Permissible usage
Load capacity acc. to the inspection certificate respectively table of WLL in the mentioned directions of pull – see picture 1.

Non permissible usage
Make sure when choosing the assembly that improper load can not arise eg if:
- the direction of pull is obstructed
- direction of pull is not in the foreseen area (see picture 2)
- load ring rests against edges or load (picture 3)

The load ring must be placed in the direction of pull before loading – do not turn under load. For more details please have a look into our user manual.

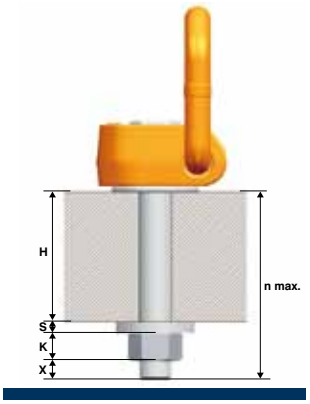

Picture 2

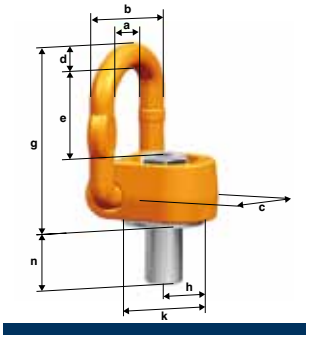

Picture 3

To calculate the necessary thread length (L):
L= H + S + K + X

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

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





Code	Thread [mm]	Load capacity [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	g [mm]	h [mm]	k [mm]	n [mm]	n max. [mm]	⬡ [mm]	⊂ [mm]	Weight [kg/pc.]
PLAW 0,3	M8	300	45	67	40	11	44	95	23	55	20	93	10	24	0,64
PLAW0,63	M10	630	45	67	40	11	44	95	23	55	20	160	10	24	0,65
PLAW 1	M12	1.000	45	67	40	11	44	95	23	55	33	160	10	24	0,66
PLAW1,5	M16	1.500	45	67	40	11	44	95	23	55	33	160	10	24	0,67
PLAW 2,5	M20	2.500	54	81	50	13	57	111	33	67	33	160	8	24	1,10
PLAW 4	M24	4.000	75	115	67	20	70	143	45	100	36	220	14	36	2,70
PLAW 6	M30	6.000	75	115	67	20	70	143	45	100	49	260	14	36	2,80
PLAW 7*	M36	7.000	75	115	67	20	70	143	45	100	55	-	27	-	3,00
PLAW 8	M36	8.000	93	147	85	27	90	188	52	120	55	260	19	36	6,00
PLAW 10	M42	10.000	93	147	85	27	90	188	52	120	65	260	19	36	6,30
PLAW 15	M42	15.000	115	181	105	33	115	246	63	150	65	330	19	55	11,70
PLAW 20	M48	20.000	115	181	105	33	115	246	63	150	73	330	19	55	11,80

Code	Thread [Zoll]	Load capacity [lbs]	a [inch]	b [inch]	c [inch]	d [inch]	e [inch]	g [inch]	h [inch]	k [inch]	n [inch]	n max. [inch]	⬡ [inch]	⊂ [inch]	Weight [lbs/pc.]
PLAW 5/16*	5/16" - 18	660	1,77	2,64	1,58	0,43	1,73	3,58	0,91	2,17	1,85	-	0,80	1/4“	1,05
PLAW 3/8/09	3/8" - 16	1.350	1,77	2,64	1,58	0,43	1,73	3,58	0,91	2,17	1,85	-	0,80	5/16“	1,05
PLAW 1/2/09	1/2" - 13	2.200	1,77	2,64	1,58	0,43	1,73	3,58	0,91	2,17	1,85	-	1,30	3/8“	1,05
PLAW 5/8/09	5/8" - 11	3.300	1,77	2,64	1,58	0,43	1,73	3,58	0,91	2,17	1,85	-	1,30	1/2“	1,32
PLAW 3/4	3/4" - 10	4.400	2,13	3,19	1,97	0,51	2,24	4,21	1,30	2,64	2,36	-	1,30	9/16“	4,85
PLAW 1	1"-8	8.800	2,95	4,53	2,64	0,79	2,76	5,44	1,78	3,94	2,64	-	1,42	3/4“	6,19
PLAW 1 1/4	1 1/4" - 7	13.200	2,95	4,53	2,64	0,79	2,76	5,44	1,78	3,94	2,64	-	1,93	7/8“	6,52
PLAW 1 1/2	1 1/2" - 6	17.000	3,66	5,79	3,35	1,06	3,54	7,09	2,05	4,72	3,35	-	2,16	1“	13,03
PLAW 1 3/4*	1 3/4" - 5	22.000	4,52	7,13	4,14	1,30	4,53	9,37	2,48	5,91	4,69	-	2,56	1 1/4“	25,79

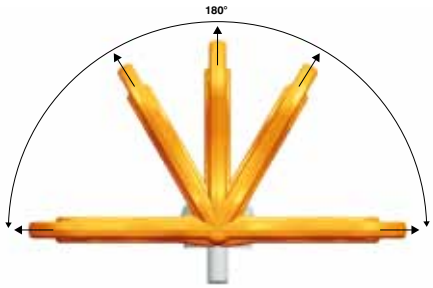
* Special models only available on request!
Attention: Subject to technical changes!

PLBW pewag winner profilift beta

360° rotatable lifting point. The load ring is 180° movable and can be held at each requested position due to its replaceable and patented spring. Likewise interchangeable is the hexagon-special screw of grade 10.9 material, which is secured against loss. The screw is 100% crack-tested as well as covered with a chromate VI-free protection against corrosion, and marked with WLL and thread size. It can be tightened with a hexagon wrench or spanner wrench.

The lifting points pewag winner profilift beta are marked with an individual serial number, that allows product traceability and load capacity for the most inappropriate field of operation, which explains the increased WLL in the upright loaded position. In permissible fields of operations the lifting point corresponds to a 5-fold safety. pewag winner profilift beta is available with metric or UNC-thread, whereas the lifting points with metric thread are also obtainable with customized thread lengths. The table with the different load capacities depending on the method of lifting as lifting gear, number of legs and angle of inclination is a part of the user manual and packed together with each lifting point.

Picture 1



Picture 2

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

Code	Thread [mm]	Fastening torque [Nm]	Load capacity [kg]									
PLBW 0,3	M 8	6 Nm	500	300	1.000	600	400	300	600	300	300	300
PLBW 0,6	M10	10 Nm	1.000	600	2.000	1.200	800	600	1.300	600	600	600
PLBW 1	M12	15 Nm	1.300	1.000	2.600	2.000	1.400	1.000	2.100	1.000	1.000	1.000
PLBW 1,3	M14	30 Nm	2.000	1.300	4.000	2.600	1.800	1.300	2.700	1.300	1.300	1.300
PLBW 1,6	M16	50 Nm	2.500	1.600	5.000	3.200	2.200	1.600	3.400	1.600	1.600	1.600
PLBW 2	M18	70 Nm	3.000	2.000	6.000	4.000	2.800	2.000	4.200	2.000	2.000	2.000
PLBW 2,5	M20	100 Nm	3.000	2.500	6.000	5.000	3.500	2.500	5.300	2.500	2.500	2.500
PLBW 3	M22	120 Nm	4.500	3.000	9.000	6.000	4.200	3.000	6.300	3.000	3.000	3.000
PLBW 4	M24	160 Nm	5.500	4.000	11.000	8.000	5.600	4.000	8.400	4.000	4.000	4.000
PLBW 5	M27	200 Nm	6.000	5.000	12.000	10.000	7.000	5.000	10.500	5.000	5.000	5.000
PLBW 6,3	M30	250 Nm	6.500	6.300	13.000	12.600	8.800	6.300	13.200	6.300	6.300	6.300
PLBW 8	M33	270 Nm	9.000	8.000	18.000	16.000	11.000	8.000	16.500	8.000	8.000	8.000
PLBW 10	M36	320 Nm	11.000	10.000	22.000	20.000	14.000	10.000	21.000	10.000	10.000	10.000
PLBW 12,5	M42	400 Nm	13.500	12.500	27.000	25.000	17.500	12.500	26.300	12.500	12.500	12.500
PLBW 15	M48	600 Nm	16.000	15.000	32.000	30.000	21.000	15.000	32.000	15.000	15.000	15.000

Code	Thread [Zoll]	Fastening torque [lb/ft]	Load capacity [lbs]									
PLBW U5/16	5/16"-18	4,5 lb/ft	1.100	660	2.200	1.320	900	660	1.300	660	660	660
PLBW U3/8	3/8"-16	7,5 lb/ft	2.200	1.300	4.400	2.600	1.800	1.300	2.700	1.300	1.300	1.300
PLBW U7/16	7/16"-14	11 lb/ft	2.800	2.200	5.600	4.400	3.000	2.200	4.600	2.200	2.200	2.200
PLBW U9/16	9/16"-12	22 lb/ft	4.400	3.000	8.800	6.000	4.200	3.000	6.300	3.000	3.000	3.000
PLBW U5/8	5/8"-11	37 lb/ft	5.500	3.500	11.000	7.000	4.900	3.500	7.300	3.500	3.500	3.500
PLBW U3/4	3/4"10	74 lb/ft	6.600	5.500	13.200	11.000	7.700	5.500	11.500	5.500	5.500	5.500
PLBW U7/8	7/8"-9	118 lb/ft	12.000	8.800	24.000	17.600	12.300	8.800	18.500	8.800	8.800	8.800
PLBW U1	1"-8	148 lb/ft	13.000	11.000	26.000	22.000	15.400	11.000	23.000	11.000	11.000	11.000
PLBW U1 1/8	1 1/8"-7	185 lb/ft	14.300	13.500	28.600	27.000	18.900	13.500	28.300	13.500	13.500	13.500
PLBW U1 1/4	1 1/4"-7	200 lb/ft	19.800	17.500	39.600	35.000	24.500	17.500	36.700	17.500	17.500	17.500
PLBW U1 3/8	1 3/8"-6	236 lb/ft	24.000	22.000	48.000	44.000	30.800	22.000	46.200	22.000	22.000	22.000
PLBW U1 1/2	1 1/2"- 6	295 lb/ft	25.000	24.000	50.000	48.000	33.600	24.000	50.400	24.000	24.000	24.000

Safety factor 5 Attention: Subject to technical changes!

Permissible usage
Load capacity acc. to the inspection certificate respectively table of WLL in the mentioned directions of pull – see picture 1 an 2.

Non permissible usage
Make sure when choosing the assembly that improper load can not arise eg if:
- the direction of pull is obstructed
- direction of pull is not in the foreseen area (see picture 3)
- loading ring rests against edges or load (picture 4)

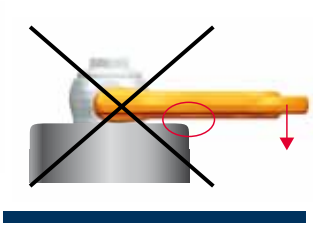
The load ring must be placed in the direction of pull before loading – do not turn under load. For more details please have a look into our user manual.

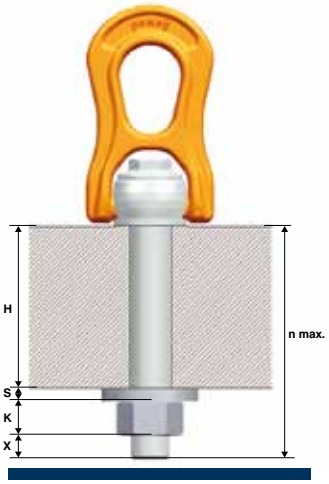
To calculate the necessary thread length (L):
L= H + S + K + X

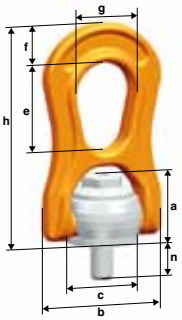
H = Material height
S = Thickness of the washer
K = Height of the nut (depending on the thread size of the screw)
X = Excess length of the screw (twofold pitch of the screw)

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


Picture 3


Picture 4





Code	Thread [mm]	Load capacity [kg]	a [mm]	b [mm]	c [mm]	e [mm]	f [mm]	g [mm]	h [mm]	n [mm]	n max. [mm]	⬡ [mm]	⊂ [mm]	Weight [kg/pc.]
PLBW 0,3 t	M 8	300	28	56	30	38	17.5	27	94	14	80	8	15	0,30
PLBW 0,6 t	M10	600	28	56	30	38	17.5	27	94	16	100	8	15	0,31
PLBW 1 t	M12	1.000	28	56	30	38	17.5	27	94	18	180	8	15	0,32
PLBW 1,3 t	M14	1.300	43	79	45	55	25	38	138	22	220	10	24	1,03
PLBW 1,6 t	M16	1.600	43	79	45	55	25	38	138	24	260	10	24	1,04
PLBW 2 t	M18	2.000	43	79	45	55	25	38	138	27	295	10	24	1,07
PLBW 2,5 t	M20	2.500	43	79	45	55	25	38	138	30	335	10	24	1,08
PLBW 3 t	M22	3.000	64	118	68	85	37.5	58	209	33	355	14	36	3,52
PLBW 4 t	M24	4.000	64	118	68	85	37.5	58	209	36	355	14	36	3,55
PLBW 5 t	M27	5.000	64	118	68	85	37.5	58	209	40	355*	14	36	3,60
PLBW 6,3 t	M30	6.300	64	118	68	85	37.5	58	209	45	355	14	36	3,68
PLBW 8 t	M33	8.000	106	188	108	132	60	91	331	54	328	19	55	14,32
PLBW 10 t	M36	10.000	106	188	108	132	60	91	331	59	328	19	55	14,43
PLBW 12,5 t	M42	12.500	106	188	108	132	60	91	331	69	328	19	55	14,72
PLBW 15 t	M48	15.000	106	188	108	132	60	91	331	74	328	19	55	15,03

Code	Thread [Zoll]	Load capacity [lbs]	a [inch]	b [inch]	c [inch]	e [inch]	f [inch]	g [inch]	h [inch]	n [inch]	n max. [inch]	⬡ [inch]	⊂ [inch]	Weight [lbs/pc.]
PLBW U5/16	5/16"-18	660	1,09	2,21	1,18	1,50	0,69	1,06	3,70	0,56	-	5/16"	5/8"	0,66
PLBW U3/8	3/8"-16	1.300	1,09	2,21	1,18	1,50	0,69	1,06	3,70	0,64	-	5/16"	5/8"	0,68
PLBW U7/16	7/16"-14	2.200	1,09	2,21	1,18	1,50	0,69	1,06	3,70	0,72	-	5/16"	5/8"	0,70
PLBW U9/16	9/16"-12	3.000	1,70	3,11	1,77	2,17	0,98	1,50	5,40	0,88	-	5/16"	1"	2,27
PLBW U5/8	5/8"-11	3.500	1,70	3,11	1,77	2,17	0,98	1,50	5,40	0,96	-	5/16"	1"	2,29
PLBW U3/4	3/4"10	5.500	1,70	3,11	1,77	2,17	0,98	1,50	5,40	1,19	-	5/16"	1"	2,40
PLBW U7/8	7/8"-9	8.800	2,52	4,65	2,66	3,35	1,48	2,28	8,20	1,43	-	9/16"	1 3/8"	7,80
PLBW U1	1"-8	11.000	2,52	4,65	2,66	3,35	1,48	2,28	8,20	1,59	-	9/16"	1 3/8"	7,90
PLBW U1 1/8	1 1/8"-7	13.500	2,52	4,65	2,66	3,35	1,48	2,28	8,20	1,79	-	9/16"	1 3/8"	8,10
PLBW U1 1/4	1 1/4"-7	17.500	4,18	7,40	4,25	5,20	2,36	3,58	13,00	2,11	-	3/4"	2 3/16"	31,50
PLBW U1 3/8	1 3/8"-6	22.000	4,18	7,40	4,25	5,20	2,36	3,58	13,00	2,31	-	3/4"	2 3/16"	31,75
PLBW U1 1/2	1 1/2"- 6	24.000	4,18	7,40	4,25	5,20	2,36	3,58	13,00	2,70	-	3/4"	2 3/16"	32,40

Attention: Subject to technical changes!

PLDW pewag winner profilift delta

In development from pewag: a ball-bearing loaded, 360° under load rotatable lifting point. High resistant lifting eye 180° movable. Special screw of grade 10.9 material, which is 100% crack-tested as well as protected against corrosion, and marked with WLL and thread size. It can be thightened with a hexagon wrench or spanner wrench. Each lifting point is marked with an individual serial number, that allows traceability. pewag winner profilift delta is optionally also available with special designed thread lengths. The table with the load capacities depending on the method of lifting as lifting gear, number of legs and angle of inclination is a part of the user manual and packed together with each lifting point.

The pewag winner profilift delta lifting points are marked with a WLL for the most inappropriate field of application, which explains the increased WLL in the upright loaded position, with a 4-fold safety against break in all directions of load.

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

Code	Thread [mm]	Fastening torque [Nm]	Load capacity [kg]									
PLDW 0,3T	M8	10 Nm	600	300	1.200	600	400	300	600	400	300	300
PLDW 0,5T	M10	10 Nm	1.000	500	2.000	1.000	700	500	1.000	750	500	500
PLDW 0,7T	M12	15 Nm	1.400	700	2.800	1.400	950	700	1.400	1.000	700	700
PLDW 1T *	M14	25 Nm	2.000	1.000	4.000	2.000	1.400	1.000	2.100	1.500	1.000	1.000
PLDW 1,5T	M16	30 Nm	3.000	1.500	6.000	3.000	2.100	1.500	3.100	2.100	1.500	1.500
PLDW 2,5T	M20	80 Nm	4.500	2.500	9.000	5.000	3.500	2.500	5.300	3.500	2.500	2.500
PLDW 4T	M24	150 Nm	7.000	4.000	14.000	8.000	5.500	4.000	8.400	6.000	4.000	4.000
PLDW 6T	M30	230 Nm	12.000	6.000	24.000	12.000	8.400	6.000	12.600	9.000	6.000	6.000
PLDW 8T	M36	450 Nm	12.500	8.000	25.000	16.000	11.200	8.000	16.800	12.000	8.000	8.000
PLDW 10T	M42	600 Nm	16.000	10.000	32.000	20.000	14.000	10.000	21.000	15.000	10.000	10.000
PLDW 12,5T	M48	600 Nm	16.000	12.500	32.000	25.000	17.500	12.500	26.200	18.000	12.500	12.500

* Special models only available on request!
Safety factor 4
Attention: Subject to technical changes!
Availability on request!

Permissible usage
Load capacity acc. to the inspection certificate respectively table of WLL in the mentioned directions of pull – see picture 1.

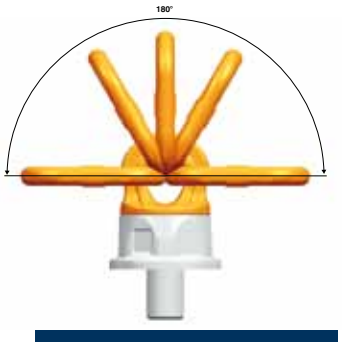
Non permissible usage
Make sure when choosing the assembly that improper load can not arise eg if:
- the direction of pull is obstructed
- direction of pull is not in the foreseen area (see picture 2)
- loading ring rests against edges or load (picture 3)

For more details please have a look into our detailed user manual.

To calculate the necessary thread length (L):
L= H + S + K + X

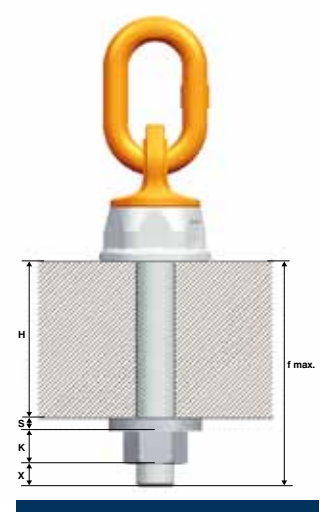
H = Material height
S = Thickness of the washer
K = Height of the nut (depending on the thread size of the screw)
X = Excess length of the screw (twofold pitch of the screw)

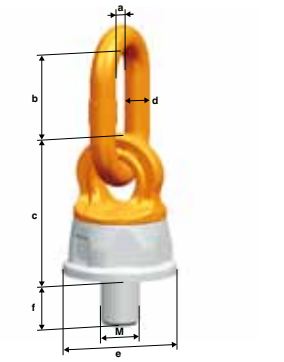
In case of requesting a lifting point with a special thread length, please mention the requested thread length “L”.



Picture 1


Picture 2





Code	Thread [mm]	Load capacity [kg]	a [mm]	b [mm]	c [mm]	Ø d [mm]	Ø e [mm]	f [mm]	f max. [mm]	[mm]	Weight [kg/pc.]
PLDW 0,3T	M8	300	30	40	45	11	38	20	90	34	0,31
PLDW 0,5T	M10	500	30	40	45	11	38	20	160	34	0,32
PLDW 0,7T	M12	700	35	45	45	11	38	22	160	34	0,34
PLDW 1T *	M14	1.000	35	45	45	11	38	22	160	34	0,37
PLDW 1,5T	M16	1.500	35	45	45	13	38	33	160	34	0,43
PLDW 2,5T	M20	2.500	35	57	70,5	13	55	33	160	46	0,86
PLDW 4T	M24	4.000	40	70	79	20	63	40	260	50	1,55
PLDW 6T	M30	6.000	50	94	88	23	72	40	300	60	2,49
PLDW 8T	M36	8.000	50	92	119	23	92	55	300	75	4,31
PLDW 10T	M42	10.000	60	112	119	27	92	60	300	75	5,22
PLDW 12,5T	M48	12.500	60	112	119	27	92	68	300	75	5,37

* Special models only available on request!
Attention: Subject to technical changes!
Availability on request!

PLGW pewag winner profilift gamma

NEW

pewag introduces a worldwide novelty on the market: a patented tool-free pewag winner profilift lifting point. Based on the latest standards of pewag we have designed and manufactured a lifting point for the tool-free anchorage, which can be tightened and aligned manually in the load direction.

It is 360° rotatable, contains a patented and interchangeable special screw of grade 10.9 material, which is 100% crack-tested as well as covered with a chromate VI-face-protection against corrosion and marked with WLL and thread size. Each lifting point is marked with an individual serial number, that allows traceability. pewag profilift gamma is optionally also available with a UNC-thread.

The table with the load capacities depending on the different methods of lifting as lifting gear, number of legs and angle of inclination is a part of the user manual and packed together with each lifting point.

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

Code	Thread [mm]	Fastening torque [Nm]	Load capacity [kg]									
PLGW 0,4	M8	10 Nm	1.000	400	2.000	800	560	400	800	600	400	400
PLGW 0,5	M10	10 Nm	1.100	500	2.200	1.000	700	500	1.000	700	500	500
PLGW 0,7	M12	25 Nm	2.000	700	4.000	1.400	1.000	700	1.400	1.000	700	700
PLGW 1,5	M16	60 Nm	4.000	1.500	8.000	3.000	2.100	1.500	3.000	2.200	1.500	1.500
PLGW 2	M20	125 Nm	5.000	2.000	10.000	4.000	2.800	2.000	4.200	3.000	2.000	2.000
PLGW 3	M24	190 Nm	7.000	3.000	14.000	6.000	4.200	3.000	6.200	4.500	3.000	3.000
PLGW 4	M30	320 Nm	10.000	4.000	20.000	8.000	5.600	4.000	8.200	6.000	4.000	4.000
PLGW 7	M36	590 Nm	15.000	7.000	30.000	14.000	9.800	7.000	14.700	10.500	7.000	7.000
PLGW 9	M42	925 Nm	22.000	9.000	44.000	18.000	12.600	9.000	18.900	13.500	9.000	9.000
PLGW 12	M48	1400 Nm	30.000	12.000	60.000	24.000	16.800	12.000	25.000	18.000	12.000	12.000

Safety factor 4
Attention: Subject to technical changes!
Availability on request!

Tool-free assembly and disassembly
The valve in pos.1 must not have any contact with the screw (picture 1)
- The valve is kept in position with a patented spring
- Eye bolt is rotatable

The valve in pos. 2 has contact with the screw (picture 2)
- The valve is kept in position with a patented spring
- Eye bolt is not rotatable i.e. the fastening torque is transmitted to the screw and thus the eye bolt can be (re)assembled.

Picture 1

Picture 2

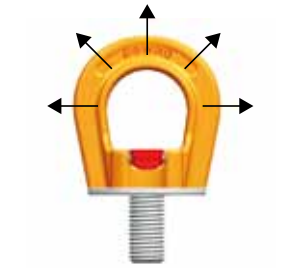
Permissible usage
Load capacity acc. to the inspection certificate respectively table of WLL in the mentioned directions of pull – see picture 3.

- adjust the lifting point in the permitted load direction before loading
- in case of long-lasting anchorage, please tighten the PLGW with the prescribed fastening torque.
- loadable with a 4-fold safety under break in all directions

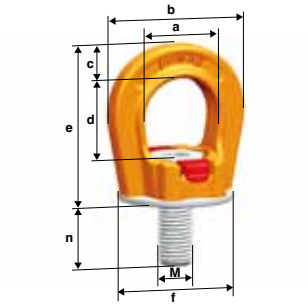
Non permissible usage
Make sure when choosing the assembly that improper load can not arise eg if:

- the direction of pull is obstructed
- direction of pull is not in the foreseen area (see picture 4)
- loading ring rests against edges or loads (picture 3)

For more details please have a look into our user manual.


Picture 3


Picture 4



Code	Thread [mm]	Load capacity [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	Ø f [mm]	n [mm]	⬡ [mm]	Weight [kg/pc.]
PLGW 0,4	M8	400	25	45	9	26,5	53	35	15	6	0,22
PLGW 0,5	M10	500	25	45	9	26,5	53	35	15	6	0,24
PLGW 0,7	M12	700	30	55	11	32	63	43	20	8	0,29
PLGW 1,5	M16	1.500	35	64	13	35,5	70	50	25	10	0,45
PLGW 2	M20	2.000	40	69	15	40,5	78	54	30	12	0,58
PLGW 3	M24	3.000	50	86	17	50	93	69	35	14	1,10
PLGW 4	M30	4.000	60	110	23	60	114	90	45	17	2,10
PLGW 7	M36	7.000	70	132	31	70	136	108	55	19	3,90
PLGW 9	M42	9.000	80	150	32	80	155	125	65	22	5,95
PLGW 12	M48	12.000	95	179	42	95	179	148	75	24	8,90

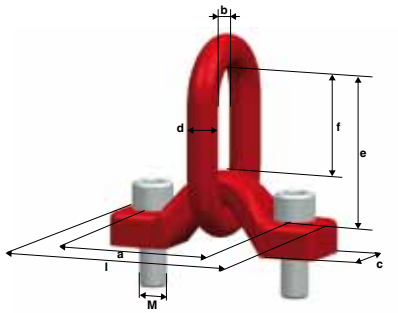
Attention: Subject to technical changes!
Availability on request!

AOR Lashing point

For mounting machine parts or vehicle bodies. Ideal for hanging of lifting and lashing gear.

Permissible usage
Load capacity acc. to the inspection certificate respectively table of WLL in the mentioned directions of pull.

Non permissible usage
Make sure when choosing the assembly that improper charge can not arise eg if:
- the direction of pull is obstructed
- direction of pull is not in the foreseen area
- loading ring rests against edges or loads



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

Code	Thread [mm]	Fastening torque [Nm]	Load capacity [kg]									
AOR 10	M16	170	3.150	3.150	6.300	6.300	4.250	3.150	6.700	4.750	3.150	3.150
AOR 13	M20	350	5.300	5.300	10.600	10.600	7.500	5.300	11.200	8.000	5.300	5.300
AOR 16	M30	950	8.000	8.000	16.000	16.000	11.200	8.000	17.000	11.800	8.000	8.000
AOR 22	M36	1900	15.000	15.000	30.000	30.000	21.200	15.000	31.500	22.400	15.000	15.000
AOR 26*	M42	2100	21.200	21.200	42.400	42.400	30.000	21.200	45.000	31.500	21.200	21.200
AOR 28*	M45	2400	25.000	25.000	50.000	50.000	33.500	25.000	50.000	37.500	25.000	25.000
AOR 32*	M56	3200	31.500	31.500	63.000	63.000	45.000	31.500	67.000	47.500	31.500	31.500
AOR 34*	M56	3200	36.000	36.000	72.000	72.000	50.000	36.000	75.000	53.000	36.000	36.000

* no stock item
Grade 8
Attention: Subject to technical changes!

Code	Thread [mm]	Load capacity [kg]	for chain Ø	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	f [mm]	l [mm]	Weight [kg/pc.]
AOR 10	M16	3.150	10	90	40	38	18	112	57	130	1,54
AOR 13	M20	5.300	13	115	50	48	22	149	79	165	2,83
AOR 16	M30	8.000	16	150	65	62	26	183	93	212	5,87
AOR 22	M36	15.000	22	175	75	72	36	226	114	255	11,20
AOR 26	M42	21.200	26	200	95	90	45	272	142	295	19,30
AOR 28	M45	25.000	28	200	95	90	45	272	142	295	20,20
AOR 32	M56	31.500	32	230	110	100	48	336	193	330	31,70
AOR 34	M56	36.000	34	230	110	100	48	336	193	330	31,70

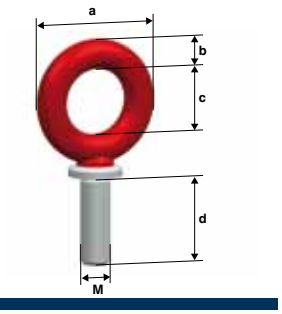
Attention: Subject to technical changes!

RGS Alloy steel eyebolt

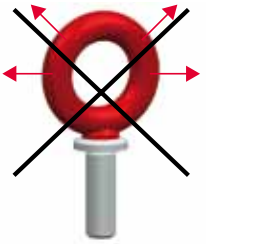
The high-tensile eyebolt RGS is usable for lifting of machine parts. Eyebolts may only be tightened manually. Not suitable for diagonall pull.

Permissible usage.
Load capacity acc. to the inspection certificate respectively table of WLL in the mentioned directions of pull – see picture 1.

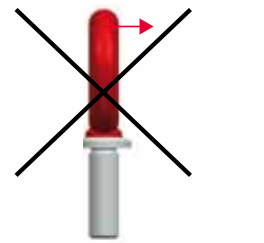
Non permissible usage
Make sure when choosing the assembly that improper load can not arise eg if:
- the direction of pull is obstructed
- direction of pull is not in the foreseen area (see picture 2 and 3)



Picture 1



Picture 2



Picture 3

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

Code	Thread [mm]	Load capacity [kg]	
RGS 8	M8	400	800
RGS 10	M10	700	1.400
RGS 12	M12	1.000	2.000
RGS 14	M14	1.200	2.400
RGS 16	M16	1.500	3.000
RGS 20	M20	2.500	5.000
RGS 24	M24	4.000	8.000

Please load the eyebolts RGS only in the vertical direction of pull!
For those methods of lifting please use the screwable eyebolts PLGW or screwable PLAW, PLBW or PLDW.

Safety factor 4
Attention: Subject to technical changes!

Code	Thread [mm]	Load capacity [kg]	a [mm]	b [mm]	c [mm]	d [mm]	Gewicht [kg/pc.]
RGS 8	M8	400	36	8	20	25	0,06
RGS 10	M10	700	42	10	22	30	0,10
RGS 12	M12	1.000	51	12	27	36	0,20
RGS 14	M14	1.200	58	14	30	40	0,30
RGS 16	M16	1.500	66	16	36	53	0,40
RGS 20	M20	2.500	76	18	40	58	0,70
RGS 24	M24	4.000	98	22	54	82	1,32

Other sizes available on request!
Attention: Subject to technical changes!

Weldable lifting points

Overview

Reliable. Innovative. pewag.

Latest technology for the heaviest duties

The weldable high quality manufactured pewag winner profilift lifting point is the ideal complement to the pewag winner lifting chain programme and expands their field of operations. The weldable pewag winner profilift lifting point guarantees an easy assembly and usage.

The weldable lifting point PLE is manufactured according to EG-Machine Directive 2006/42/EG and tested according to EN 1677-1. The load capacity is clearly marked on the welding pad.

The table with the load capacities depending on the different methods of lifting as lifting gear, number of legs and angle of inclination is a part of the user manual, which is packed together with each lifting point according to the Machine-Safetyprescriptions 2010 and Machine-Directive.

stamping PLE


Originalbetriebsanleitung

pewag Anschlagpunkte

Hochfeste Anschlagösen profilift eta PLE

Normale Einsatzbedingungen

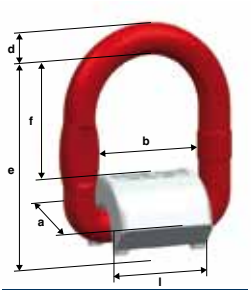
User manual

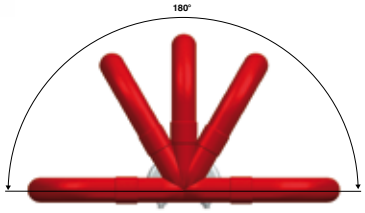
PLE pewag winner profilift eta

High-tensile eyebolts pewag winner profilift eta, for welding onto machine parts or vehicle bodies. Ideal for hanging of lifting and lashing parts. Due to the integrated spring, the ring will be kept in each requested position.

The instructions according to EN 15817 are valid for the welding. The welding may only be carried out by a welding operator with a valid qualification according to EN 287-1.

The lifting points will be packed individually and together with a user manual and welding instructions.





Picture 1

Picture 2

Picture 3

Permissible usage
Load capacity acc. to the inspection certificate respectively table of WLL in the mentioned directions of pull – see picture 1 and 2.

Non permissible usage
Make sure when choosing the assembly that improper load can not arise eg if:
- the direction of pull is obstructed
- direction of pull is not in the foreseen area (see picture 3)
- loading ring rests against edges and load

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	**Art.-No.**	**Load capacity**	**Load capacity**									
	[mm]	**[kg]**	**[kg]**									
PLE 6	23805	1.120	1.120	1.120	2.240	2.240	1.500	1.120	2.300	1.600	1.120	1.120
PLE 8	24161	2.000	2.000	2.000	4.000	4.000	2.800	2.000	4.200	3.000	2.000	2.000
PLE 10	23549	3.150	3.150	3.150	6.300	6.300	4.400	3.150	6.600	4.700	3.150	3.150
PLE 13	23551	5.300	5.300	5.300	10.600	10.600	7.400	5.300	11.200	7.900	5.300	5.300
PLE 16	23552	8.000	8.000	8.000	16.000	16.000	11.300	8.000	16.900	12.000	8.000	8.000
PLE 22	23560	15.000	15.000	15.000	30.000	30.000	21.000	15.000	31.800	22.500	15.000	15.000

Safety factor 4
Attention: Subject to technical changes!

Code	**Load capacity**	**e**	**d**	**f**	**b**	**a**	**l**	**Weight**
	[kg]	**[mm]**	**[mm]**	**[mm]**	**[mm]**	**[mm]**	**[mm]**	**[kg/pc.]**
PLE 6	1.120	67	11	40	38	36	35	0,28
PLE 8	2.000	75	13	43	40	37	37	0,39
PLE 10	3.150	83	16,5	48	43	41	40	0,64
PLE 13	5.300	101	19,5	56	52	57	50	1,70
PLE 16	8.000	118	23	70	67	63	64	2,00
PLE 22	15.000	159	33	93	93	89	90	5,50

Attention: Subject to technical changes!

User manual

for lifting points

User manual

User manual for usage, storage, inspection and maintenance of pewag winner lifting gear.

General

pewag winner profilift lifting points can be used for general lifting purposes in a wide range regarding the design, type of load and type of application. Regarding the details corresponding to the design and the classification of the WLL of the different types of applications, please have a look at the tables in this catalogue. pewag winner profilift lifting points offer the highest level of safety in case of ordinary usage. However, damage to property or persons can only be avoided through ordinary usage. Reading and understanding our user manual is thus a pre-condition for the usage of pewag winner profilift lifting points, but on the other hand it does not exclude the responsible and foresighted handling in case of all lifting procedures. Please follow the provided instruction before and during the assembly.

Change of the as-delivered condition

Please only use the provided original parts in the installation. The original condition may not be changed eg through grinding, welding (except lashing point PLE and weld-on hook AWH), stamping, drilling etc. pewag can not overtake any liability in case of usage of non original-parts. Any treatment of the surface like hot-dip galvanizing, galvanic galvanization etc. is forbidden. Canterizing and other cleaning methods are also dangerous processes and must be confirmed by pewag. The welding seam of the lifting points LPW and weld-on hooks AWH can be protected against corrosion by painting.

Accurate usage

pewag winner profilift lifting points may only be used by assigned and trained persons. The location point of the load shall be set in the manner specified that the transmitted forces of the raw material can be absorbed without any deformations. The load bracket needs to be adjusted in the direction of pull before loading. You have to choose the loaction point in such a way that unpermissible stresses such as twisting or rotating of the load are avoided. Mounting and demounting of the lifting gear must be possible without any risk of injury. Damages of the load, lifting gear or lifting point need to be excluded by proper positioning. In case of usage of only 1 lifting point, it has to be mounted flat over the center of gravity of the load. When using 2 lifting points (2-leg chainsling) , those have to be mounted symmetrically on both sides of the center of gravity of the load. When using 3 or 4 lifting points (3 or 4-leg chainslings) , those have to be mounted permanently in one section around the center of gravity of the load.

Thereby you have to take care, that the load on the individual chain legs is located evenly. In case of asymmetrical load distribution, the load capacity has to be reduced according to the enclosed table of working load limits. Hence it can be possible that you have to choose a lifting point of the subsequent load capacity. Please do not subject the lifting points neither to acids or leaches nor to their steams. Attention: Certain manufacturing procedures set free acids respectively steams. If the lifting points are subject to higher temperatures, it will also reduce the load capacity. Therefore please pay attention to the provided instructions or get in contact with our technical service.

Screwable lifting points

As the minimum screw penetration we recommend:
- 1 x M for steel (M= thread size eg M16)
- 1.25 x M for casted steel
- 2 x M for aluminium

For materials of lower strength, like light metals, nonferrous metals or cast iron, the user has to choose the thread size and thread length in order that the load can be absorbed by it. Predictable impact stress or vibration can cause the accidental loss of the screw. As an assurance for such a case you can use eg liquid thread adhesive for example Loctite (pay attention to the manufacturer instruction). If using parts which were not delivered from pewag eg screws, we can not accept any liability!

Before each usage, please check the following points:
- tightened screws – fastening torque according to provided instruction
- Completeness of the lifting point
- full legibility of the stamping of the lifting point
- Damages such as grooves, cracks, deformations, wear, severe corrosion, cracks on loaded parts, visible marks of excessive heat treatment (eg burned finish or discoloration of the raw material), easy, free of hitches rotation of the turnable lifting points etc.

Furthermore please check before assembly:
- damage of the screws and thread
- correct screw size, screw grade and screw depth

It is imperative to pay attention to the provided instructions!
In case of doubt respectively damages on the lifting points, please take it out of service and let it be inspected by a competent person. The same is valid for extraordinary occasions such as uncontrollable heat influence.

Weldable lifting points

The following instructions have to be considered in case of welding:
- The welding has to be done by a proof tested welder acoording to EN 287-1.
- Material of the weld bracket: S355 J2 G3 (1.0570).
- The surface of the weld region must be cleaned thoroughly before starting the welding process. Cinder, colour, oil etc. must be removed.
- Please exclude any contact between the coated ring and the filler metal.

Before each application, please check the following points:
- full legibility of the stamping of the lifting point
- Damages such as grooves, cracks, deformations, wear, severe corrosion, cracks on loaded parts, visible marks of excessive heat treatment (eg burned finish or discoloration of the raw material), easy, free of hitches rotation of the turnable lifting points etc.
- cracks or damages on the weld seam.

It is imperative to pay attention to the provided instructions!
In case of doubt respectively damages on the lifting points, please take it out of service and let it be inspected by a competent person. The same is valid for extraordinary occasions such as uncontrollable heat influence.

Maintenance

The maintenance of pewag winner profilift lifting points may only be executed by a competent person.

Inspection

Every 12 months an inspection must be carried out according to the national standards by a competent person. In case of frequent full load, this period can also be shortened up. Records of the inspections, particularly their results as well as the maintenance are to be kept in safe custody during the whole service life of the lifting points.

Storage

pewag winner profilift lifting points have to be stored cleaned, dehumidified and protected against corrosion eg oiled. The thread shanks must be protected with suitable means against damages.

Attention

With the exception of the alloy steel eyebolt RGS, all pewag winner profilift lifting points can also be used as lashing points. Thus the permissible tensile force is the duplicate of the nominal load capacity, as in case of the tie-down the 2-fold safety is valid. With the lifting points PLBW a 2.5 fold safety is valid because of their safety factor of 5 in case of lifting. If you would like to use it as a lashing point, please get in contact with pewag.

Example
PLE 8 = 2 to WLL in case of lifting. As lashing point LC = 4000 daN permissible tensile force (LC = Lashing capacity)

More precised details (WLL, dimensions, 3D-models) can be obtained under Chain systems/Lifting points from our website www.pewag.com. Each lifting points is packed together with a bilingual user manual.

Detailed user manual available for download on www.pewag.com NEW

KA/11/00017 9 002546 919625

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