

pewag winner profilift lifting points

Lifting and lashing





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.

Content	3
pewag group	
Welcome to the pewag group	4-5
History, Quality management	6
Business areas, Environment	7
Production and sales locations	8
Screwable lifting points	
Screwable lifting points	10-25
Weldable lifting points	
Weldable lifting points	26-29
Spare parts	
Spare parts	30-33
User manual	
User manual	34-37
Notes	38

Welcome to the pewag group

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

Mission Statement

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

With our joy for innovation, we ensure that all products of the pewag group are the best in the respective markets, both now and in the future. The high quality of our products and services as well as our employees' passionate dedication are the foundation to our pursuit of outstanding services and complete customer satisfaction.

Principles of pewag group

Leading in Quality

The values of our premium product 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, organizations and actions accordingly to satisfy our customers' needs through providing the best value for the money; timely delivery; efficient and obliging service.

Leading in Responsibility

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.

We value an open, honest and team-oriented workstyle, which is based on transparent communication honoring ideas, opinions and experience of our employees as valuable inputs for our decision making process.

We strive for stable and fair partnerships with our employees, customers, suppliers and other business partners and take social aspects into consideration when making business decisions.

Leading in Technology

We secure our technological leadership through highest product quality, constant improvements and innovations of products, as well as manufacturing processes.

We are dedicated to keep on top of product technology. This ensures that our customers always have the best solutions available and that we expand and protect our market position.

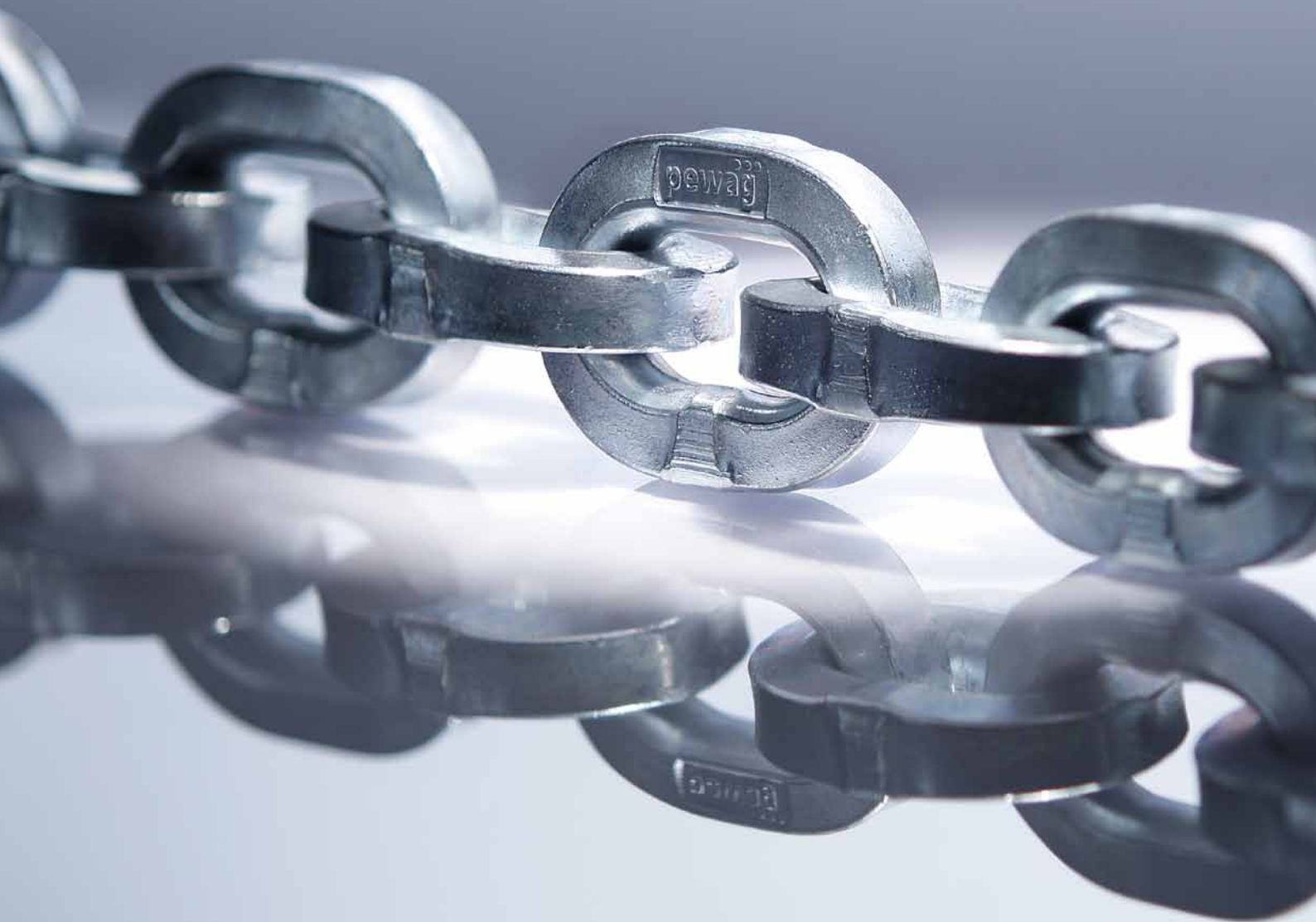
Leading in Economics

In all our processes we use due diligent business practices and efficiency and strive to improve these continuously.

In the long-term, we will continuously increase our economic performance to raise corporate value, achieve sustained growth and thus secure a successful future of the organization.

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 forge in Kapfenberg
- 1803** Foundation of a chain forge in Graz
- 1836** Establishment of an iron casting plant in Brückl
- 1912** Production of the first snow chain in the world
- 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 Republic
- 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 forge 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, labour 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.



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.)



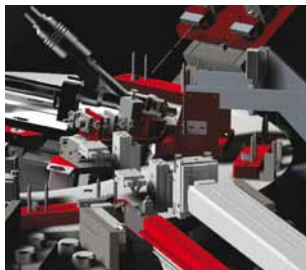
Segment A
Snow and forestry
chains



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, neighbours 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 Service

International Presence

With its distinguished five-hundred-year history, pewag has developed from a small modest site into a global business group with several subgroups.

pewag documents its claim as the world's #1 chain manufacturer with 11 production facilities, 27 sales sites and other sites in Europe, America and Africa.

In addition to its numerous locations, pewag, as an international company, relies on a finely woven, strong, and professional partner network. These alliances currently enable optimal customer support in over 100 countries around the world.

Production and sales locations

Europa

Austria	pewag austria GmbH, Graz pewag austria GmbH, Kapfenberg pewag Schneeketten GmbH & Co KG, Graz pewag Schneeketten GmbH & Co KG, Brückl pewag engineering GmbH, Kapfenberg pewag austria Vertriebsgesellschaft mbH, Wien pewag Ketten GmbH, Klagenfurt pewag International GmbH, Klagenfurt
Germany	pewag Deutschland GmbH, Unna pewag Schneeketten Deutschland GmbH, Unna
France	J3C SAS pewag France, Seyssins Chaineries Limousines SAS, Bellac Chaineries Limousines SAS, Limoges
Italy	pewag italia srl, Andrian
The Netherlands	pewag nederland BV, Hillegom APEX International BV, Hillegom Interparts Industrie Mij BV, Hillegom
Poland	pewag polska Sp z o.o., Buczkowice
Russia	OOO „PEWAG“, Moscow OOO „pewag russia“, Moscow
Croatia	pewag croatia doo, Zagreb, Kroatien

Europa

Sweden	pewag sweden AB, Emmaboda
Slovakia	pewag slovakia sro, Nitra
Czech Republic	Řetězárna Česká Třebová sro, Česká Třebová pewag sro, Vamberk KOMAP Dědov sro, Dědov KOMAP Dědov sro, Chrudim
Ukraine	TOV pewag Ukraine, Lviv

North America

USA	pewag Inc, Bolingbrook, Illinois pewag Inc, Rocklin, California pewag Traction Chain Inc, Pueblo
-----	--

Africa

South Africa	HMV Engineering (Pty) Ltd, Houghton Johannesburg
--------------	---

Australia

Australia	pewag australia Pty Limited, Barrack Heights
-----------	--

pewag group presents
itself on the internet. More ...
www.pewag-group.com
www.pewag.com

**pewag group –
Innovation. Quality. Partnership.**



Screwable lifting points

Advantages, Overview	12–13
PLGW pewag winner profilift gamma	14–15
PLAW pewag winner profilift alpha	18–19
PLBW pewag winner profilift beta	20–21
PLDW pewag winner profilift delta	22–23
AOR lashing point	24
RGS alloy steel eyebolt	25



Screwable lifting points

Product 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 successful 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 compatibility 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-Safety-prescriptions 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


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


* Special models available on request!

PLGW pewag winner profilift gamma	Code	Thread [mm]	Load capacity [kg]
	PLGW 0,3 t	M8 x 1,25	300
	PLGW 0,5 t	M10 x 1,5	500
	PLGW 0,7 t	M12 x 1,75	700
	PLGW 1,5 t	M16 x 2	1.500
	PLGW 2 t	M20 x 2,5	2.000
	PLGW 3 t	M24 x 3	3.000
	PLGW 4 t	M30 x 3,5	4.000
	PLGW 7 t	M36 x 4	7.000
	PLGW 9 t	M42 x 4,5	9.000
	PLGW 12 t	M48 x 5	12.000

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 x 4,5	25.000
	AOR 32	M56 x 5,5	31.500
	AOR 34	M56 x 5,5	36.000

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

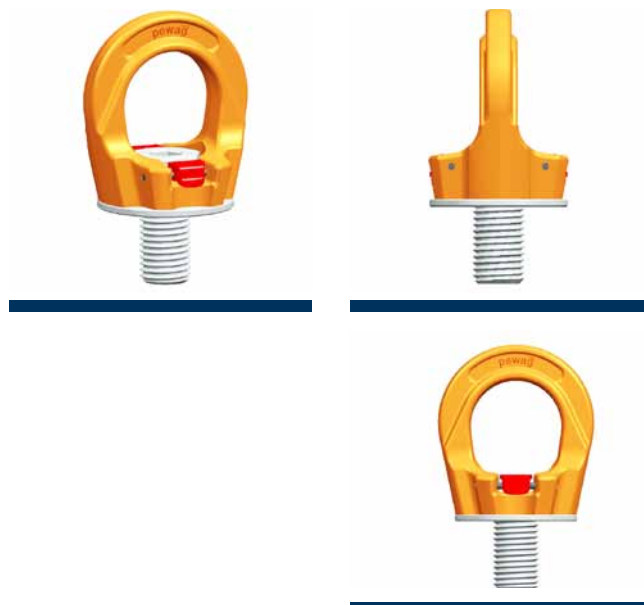
RGS alloy steel eyebolt	Code	Thread [mm]	Load capacity [kg]
	RGS 8	M8 x 1,25	400
	RGS 10	M10 x 1,5	700
	RGS 12	M12 x 1,75	1.000
	RGS 14	M14 x 2	1.200
	RGS 16	M16 x 2	1.500
	RGS 20	M20 x 2,5	2.500
	RGS 24	M24 x 3	4.000











PLGW pewag winner profilift gamma

pewag introduces a worldwide innovation to 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 tool-free anchorage, which can be tightened and aligned manually in the direction of the load.

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

The table with the load capacities depending on the different methods of lifting, 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		3+4		3+4		2		3+4			
Angle of inclination		0°		90°		0°		90°		0°–45°		45°–60°		0°–45°		45°–60°		asymm.		asymm.	
Code	Thread [mm]	Fastening torque [Nm]	Load capacity [kg]																		
PLGW 0,3 t	M8	Can be tightened manually	800	300	1.600	600	400	300	600	400	300	300									
PLGW 0,5 t	M10		1.100	500	2.200	1.000	700	500	1.000	700	500	500									
PLGW 0,7 t	M12		2.000	700	4.000	1.400	1.000	700	1.400	1.000	700	700									
PLGW 1,5 t	M16		4.000	1.500	8.000	3.000	2.100	1.500	3.000	2.200	1.500	1.500									
PLGW 2 t	M20		4.500	2.000	9.000	4.000	2.800	2.000	4.200	3.000	2.000	2.000									
PLGW 3 t	M24		5.000	3.000	10.000	6.000	4.200	3.000	6.200	4.500	3.000	3.000									
PLGW 4 t	M30		12.000	4.000	24.000	8.000	5.600	4.000	8.200	6.000	4.000	4.000									
PLGW 7 t	M36		15.000	7.000	30.000	14.000	9.800	7.000	14.700	10.500	7.000	7.000									
PLGW 9 t	M42		22.000	9.000	44.000	18.000	12.600	9.000	18.900	13.500	9.000	9.000									
PLGW 12 t	M48	30.000	12.000	60.000	24.000	16.800	12.000	25.000	18.000	12.000	12.000										
Code	Thread [inch]	Fastening torque [lb/ft]	Load capacity [lbs]																		
PLGW U 3/8	3/8"-16	Can be tightened manually	2.400	1100	4.800	2.200	1.500	1.100	2.200	1.500	1.100	1.100									
PLGW U 1/2	1/2"-13		4.400	1500	8.800	3.000	2.200	1.500	3.000	2.200	1.500	1.500									
PLGW U 5/8	5/8"-11		8.800	3300	17.600	6.600	4.600	3.300	6.600	4.800	3.300	3.300									
PLGW U 3/4	3/4"-10		9.900	4.400	19.800	8.800	6.100	4.400	9.200	6.600	4.400	4.400									
PLGW U 1	1"-8		11.000	6.600	22.000	13.200	9.200	6.600	13.600	9.900	6.600	6.600									
PLGW U 1 1/4	1 1/4"-7		22.000	8.800	44.000	17.600	12.300	8.800	18.000	13.200	8.800	8.800									
PLGW U 1 1/2	1 1/2"-6		33.000	15.400	66.000	30.800	21.500	15.400	32.300	23.100	15.400	15.400									
PLGW U 1 3/4	1 3/4"-5		48.000	19.800	96.000	39.600	27.700	19.800	41.500	29.700	19.800	19.800									

Permissible usage

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

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

Non permissible usage

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

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

For more details please reference our user manual.

To calculate the necessary thread length (L):

$$L = H + S + K + X$$

H = Material height

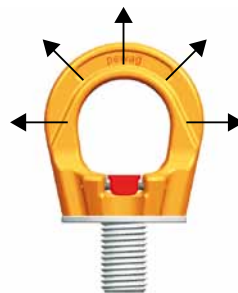
S = Thickness of the washer

K = Height of the nut (depending on the thread size of the screw)

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

L max. = n max.

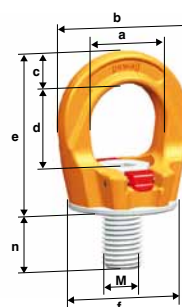
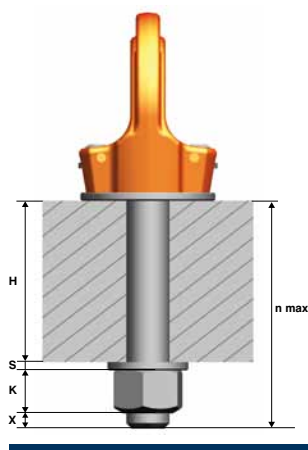
In case of requesting a lifting point with a special thread length, please mention the requested thread length "L".



Picture 3



Picture 4





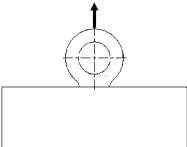
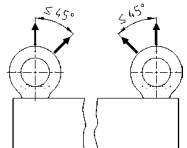
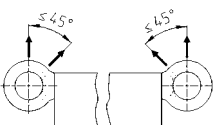
Code	Thread [mm]	Load capacity [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	Ø f [mm]	n [mm]	n max. [mm]	Hexagon [mm]	Weight [kg/pc.]
PLGW 0,3 t	M8	300	25	45	10	27	53	35	15	90	6	0,17
PLGW 0,5 t	M10	500	25	45	10	27	53	35	15	160	6	0,18
PLGW 0,7 t	M12	700	30	55	12	32	63	43	20	160	8	0,29
PLGW 1,5 t	M16	1.500	35	64	14	36	70	50	25	160	10	0,45
PLGW 2 t	M20	2.000	40	69	16	41	78	54	30	160	12	0,58
PLGW 3 t	M24	3.000	50	86	18	50	97	69	35	–	14	1,10
PLGW 4 t	M30	4.000	60	110	25	60	114	90	45	–	17	2,20
PLGW 7 t	M36	7.000	70	132	31	70	136	108	55	–	19	3,90
PLGW 9 t	M42	9.000	80	152	36	76	153	126	65	–	22	5,80
PLGW 12 t	M48	12.000	95	179	42	95	179	148	75	–	24	8,90

Code	Thread [inch]	Load capacity [lbs]	a [inch]	b [inch]	c [inch]	d [inch]	e [inch]	Ø f [inch]	n [inch]	n max. [inch]	Hexagon [inch]	Weight [lbs/pc.]
PLGW U 3/8	3/8"-16	1.100	0,98	1,77	0,39	1,04	2,09	1,38	0,60	-	1/4"	0,40
PLGW U 1/2	1/2"-13	1.500	1,18	2,17	0,47	1,26	2,48	1,69	0,80	-	5/16"	0,64
PLGW U 5/8	5/8"-11	3.300	1,38	2,52	0,55	1,40	2,76	1,97	1,00	-	3/8"	0,99
PLGW U 3/4	3/4"-10	4.400	1,57	2,72	0,63	1,59	3,07	2,13	1,20	-	1/2"	1,28
PLGW U 1	1"-8	6.600	1,97	3,39	0,71	1,97	3,82	2,72	1,40	-	9/16"	2,43
PLGW U 1 1/4	1 1/4"-7	8.800	2,36	4,33	0,98	2,36	4,49	3,54	1,80	-	5/8"	4,85
PLGW U 1 1/2	1 1/2"-6	15.400	2,76	5,20	1,22	2,76	5,35	4,25	2,20	-	7/8"	8,60
PLGW U 1 3/4	1 3/4"-5	19.800	3,15	5,98	1,42	2,99	6,02	4,96	2,60	-	1"	12,80

Attention: Subject to technical changes!

Comparison between PLGW pewag profilift gamma and eyebolt DIN 580

Why should I use pewag profilift gamma PLGW?

PLGW pewag profilift gamma			Eye bolt according to DIN 580				
							
	Product	PLGW	DIN 580		PLGW	DIN 580	
	Thread size	M12	M12	1*) 2*)	M36	M36	1*) 2*)
	Nominal load capacity	0,7 t	0,34 t		7 t	4,6 t	
	Working load limit WLL	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° side loaded)	0,7 t	0,17 t	M24	7 t	2,3 t	M64
	Breaking load limit (< 45° side loaded)	2,8 t	1,02 t		28 t	13,8 t	

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

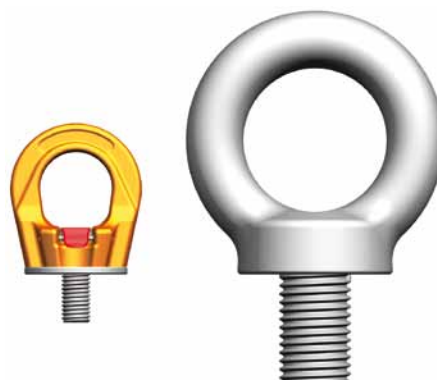
Application: Single-sling, direct load, Load = 2 t.

Required thread size pewag PLGW: M12

Required thread size eye bolt acc. to DIN 580: M30

Application: Multi leg sling

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



Size comparison PLGW M12 – DIN580-M30

PLGW-SN pewag winner profilift gamma eye nut

pewag PLGW-SN is the worldwide unique tool-free eye bolt. The patented system allows for the first time to tighten and align the eye nut into the direction of the load manually. This makes the mounting for the user considerably easier.

The lifting point is 360° rotatable, loadable in all directions and contains a special captive hexagonal nut, which is 100% crack-tested as well as covered with a chrome VI-free finish-protection against corrosion.

The series PLGW-SN will be available in different sizes as a special solution upon request.

Each lifting point of the series PLGW-SN is marked with the allowed load capacity, the thread size and an individual serial number. This innovative lifting point was developed and tested by pewag according to the latest standards and norms.

Description for picture 4:

- latch in lower position, no contact with the nut
- latch is kept in position with a patented spring
- rotatable eye nut, ready for use

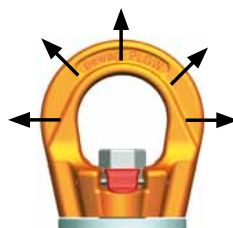
Description for picture 5:

- latch in upper position, in contact with the nut
- latch is kept in position with a patented spring
- non-rotatable eye nut, which means that the torque is transferred to the nut and thus the eye nut can be (de)mounted



Picture 1

**Special
solution
upon
request!**



Picture 2



Picture 3



Picture 4

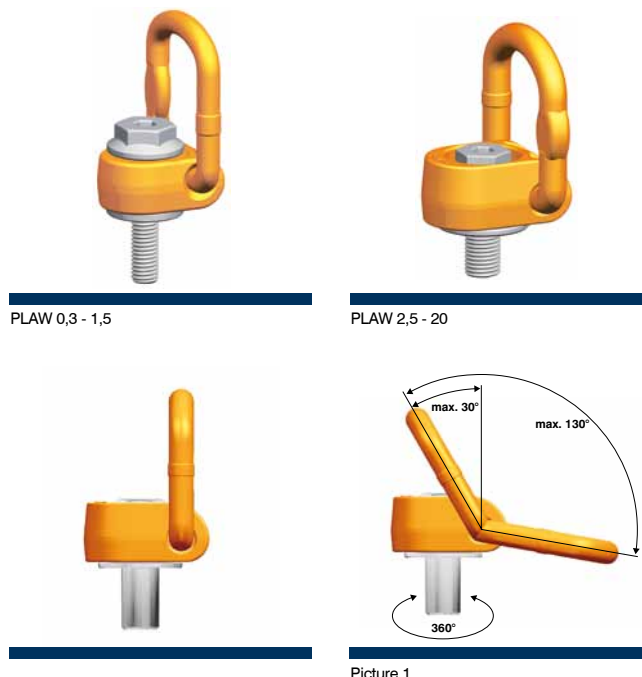


Picture 5

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 secured 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 t	M8	35	300	300	600	600	400	300	600	400	300	300
PLAW 0,63 t	M10	70	630	630	1.250	1.250	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	200	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	300	2.500	2.500	5.000	5.000	3.500	2.500	5.200	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	12.650	9.000	6.000	6.000
PLAW 7 t*	M36	800	7.000	7.000	14.000	14.000	9.800	7.000	14.700	10.500	7.000	7.000
PLAW 8 t	M36	800	8.000	8.000	16.000	16.000	11.200	8.000	16.800	12.000	8.000	8.000
PLAW 10 t	M42	1.500	10.000	10.000	20.000	20.000	14.000	10.000	21.000	15.000	10.000	10.000
PLAW 15 t	M42	1.500	15.000	15.000	30.000	30.000	21.000	15.000	31.500	22.500	15.000	15.000
PLAW 20 t	M48	2.000	20.000	20.000	40.000	40.000	28.000	20.000	42.000	30.000	20.000	20.000

Code	Thread [inch]	Fastening torque [lb/ft]	Load capacity [lbs]									
PLAW U3/8	3/8"-16	51,6	1.350	1.350	2.700	2.700	1.800	1.350	2.800	1.900	1.350	1.350
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	148	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	221	4.400	4.400	8.800	8.800	6.000	4.400	9.200	6.500	4.400	4.400
PLAW U1	1"-8	295	8.800	8.800	17.600	17.600	12.300	8.800	18.400	13.200	8.800	8.800
PLAW U1 1/4	1 1/4"-7	369	13.200	13.200	26.400	26.400	18.700	13.200	27.800	19.800	13.200	13.200
PLAW U1 1/2	1 1/2"-6	590	17.000	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	1.100	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 e.g. 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.

To calculate the necessary thread length (L):

$$L = H + S + K + X$$

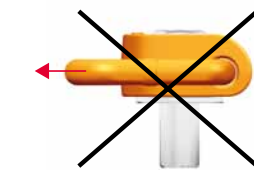
H = Material height

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)

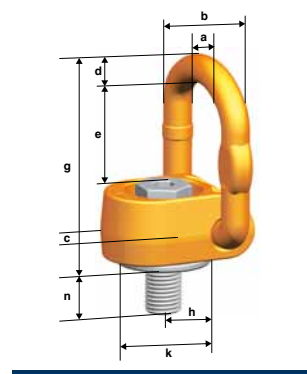
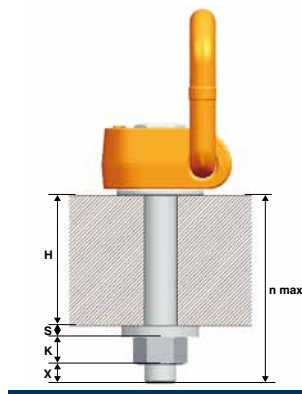
L max. = n max.



Picture 2



Picture 3



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 t	M8	300	45	67	40	11	41	95	23	55	29	93	10	24	0,51
PLAW 0,63 t	M10	630	45	67	40	11	41	95	23	55	29	160	10	24	0,52
PLAW 1 t	M12	1.000	45	67	40	11	41	95	23	55	29	160	10	24	0,54
PLAW 1,5 t	M16	1.500	45	67	40	11	41	95	23	55	29	160	10	24	0,55
PLAW 2,5 t	M20	2.500	54	81	50	13	55	112	33	67	33	160	8	24	1,00
PLAW 4 t	M24	4.000	75	115	67	20	68	143	45	100	36	220	14	36	2,70
PLAW 6 t	M30	6.000	75	115	67	20	68	143	45	100	49	260	14	36	2,80
PLAW 7 t *	M36	7.000	75	115	67	20	65	143	45	100	55	-	27	-	3,30
PLAW 8 t	M36	8.000	93	147	85	27	85	188	52	120	55	260	19	41	6,00
PLAW 10 t	M42	10.000	93	147	85	27	85	188	52	120	65	260	19	41	6,20
PLAW 15 t	M42	15.000	115	181	105	33	108	246	63	150	63	330	19	55	13,30
PLAW 20 t	M48	20.000	115	181	105	33	108	246	63	150	73	330	19	55	13,50

Code	Thread [inch]	Load capacity [lbs]	a [inch]	b [inch]	c [inch]	d [inch]	e [inch]	g [inch]	h [inch]	k [inch]	n [inch]	n max. [inch]	⬡ [inch]	⬢ [inch]	Weight [lbs/pc.]
PLAW U3/8	3/8"-16	1.350	1,77	2,64	1,57	0,43	1,61	3,74	0,91	2,17	0,79	-	3/8"	1"	1,39
PLAW U1/2	1/2"-13	2.200	1,77	2,64	1,57	0,43	1,61	3,74	0,91	2,17	1,30	-	3/8"	1"	1,41
PLAW U5/8	5/8"-11	3.300	1,77	2,64	1,57	0,43	1,61	3,74	0,91	2,17	1,30	-	3/8"	1"	1,45
PLAW U3/4	3/4"-10	4.400	2,13	3,19	1,97	0,51	2,17	4,41	1,34	2,64	1,30	-	3/8"	1"	2,36
PLAW U1	1"-8	8.800	2,95	4,53	2,64	0,79	2,68	5,63	1,77	3,94	1,41	-	9/16"	1 3/8"	6,40
PLAW U1 1/4	1 1/4"-7	13.200	2,95	4,53	2,64	0,79	2,68	5,63	1,77	3,94	1,93	-	9/16"	1 3/8"	6,80
PLAW U1 1/2	1 1/2"-6	17.000	3,66	5,79	3,35	1,06	3,43	7,40	2,05	4,72	2,16	-	3/4"	1 1/2"	14,40
PLAW U1 3/4	1 3/4"-5	22.000	3,66	5,79	3,35	1,06	3,43	7,40	2,05	4,72	2,55	-	3/4"	1 1/2"	14,70

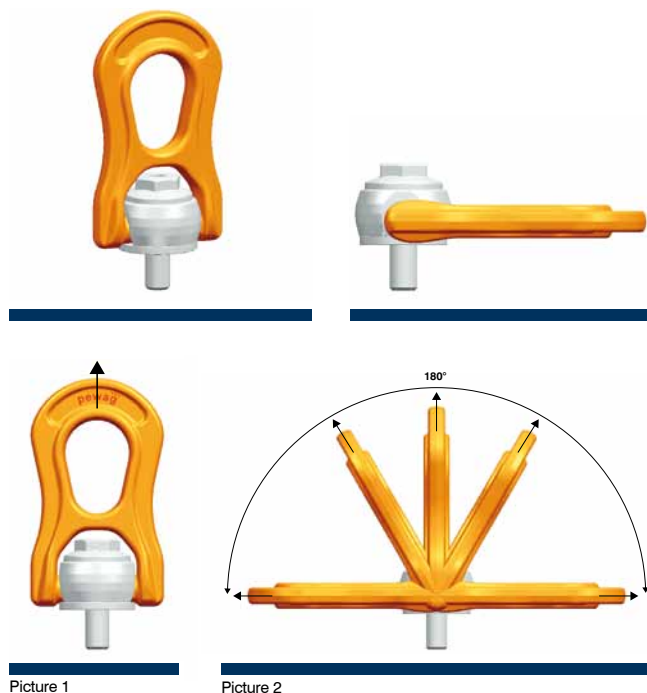
* Special models only available on request!

Attention: Subject to technical changes!

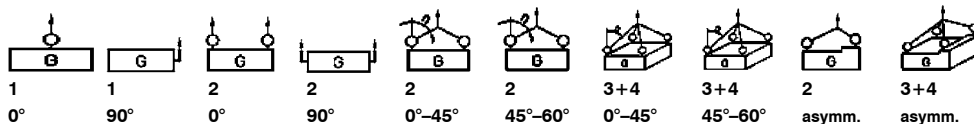
PLBW pewag winner profilift beta

360° rotatable lifting point. The load ring is 180° movable and can be positioned at any required angle 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.



Method of lifting
Number of legs
Angle of inclination



Code	Thread [mm]	Fastening torque [Nm]	Load capacity [kg]									
PLBW 0,3 t	M8	6	500	300	1.000	600	400	300	600	450	300	300
PLBW 0,6 t	M10	10	1.000	600	2.000	1.200	800	600	1.300	900	600	600
PLBW 1 t	M12	15	1.300	1.000	2.600	2.000	1.400	1.000	2.100	1.500	1.000	1.000
PLBW 1,3 t	M14	30	2.000	1.300	4.000	2.600	1.800	1.300	2.700	1.900	1.300	1.300
PLBW 1,6 t	M16	50	2.500	1.600	5.000	3.200	2.200	1.600	3.400	2.400	1.600	1.600
PLBW 2 t	M18	70	3.000	2.000	6.000	4.000	2.800	2.000	4.200	3.000	2.000	2.000
PLBW 2,5 t	M20	100	3.500	2.500	7.000	5.000	3.500	2.500	5.300	3.700	2.500	2.500
PLBW 3 t	M22	120	4.500	3.000	9.000	6.000	4.200	3.000	6.300	4.500	3.000	3.000
PLBW 4 t	M24	160	5.500	4.000	11.000	8.000	5.600	4.000	8.400	6.000	4.000	4.000
PLBW 5 t	M27	200	6.500	5.000	13.000	10.000	7.000	5.000	10.500	7.500	5.000	5.000
PLBW 6,3 t	M30	250	7.000	6.300	14.000	12.600	8.800	6.300	13.200	9.400	6.300	6.300
PLBW 8 t	M33	270	9.000	8.000	18.000	16.000	11.000	8.000	16.500	12.000	8.000	8.000
PLBW 10 t	M36	320	11.000	10.000	22.000	20.000	14.000	10.000	21.000	15.000	10.000	10.000
PLBW 12,5 t	M42	400	13.500	12.500	27.000	25.000	17.500	12.500	26.300	18.700	12.500	12.500
PLBW 15 t	M48	600	16.000	15.000	32.000	30.000	21.000	15.000	32.000	22.500	15.000	15.000

Code	Thread [inch]	Fastening torque [lb/ft]	Load capacity [lbs]									
PLBW U3/8	3/8"-16	7,5	2.200	1.300	4.400	2.600	1.800	1.300	2.700	1.900	1.300	1.300
PLBW U7/16	7/16"-14	11	2.800	2.200	5.600	4.400	3.000	2.200	4.600	3.300	2.200	2.200
PLBW U9/16	9/16"-12	22	4.400	3.000	8.800	6.000	4.200	3.000	6.300	4.500	3.000	3.000
PLBW U5/8	5/8"-11	37	5.500	3.500	11.000	7.000	4.900	3.500	7.300	5.200	3.500	3.500
PLBW U3/4	3/4"-10	74	6.600	5.500	13.200	11.000	7.700	5.500	11.500	8.200	5.500	5.500
PLBW U7/8	7/8"-9	118	12.000	8.800	24.000	17.600	12.300	8.800	18.500	13.200	8.800	8.800
PLBW U1	1"-8	148	13.000	11.000	26.000	22.000	15.400	11.000	23.000	16.500	11.000	11.000
PLBW U1 1/8	1 1/8"-7	185	14.300	13.500	28.600	27.000	18.900	13.500	28.300	20.200	13.500	13.500
PLBW U1 1/4	1 1/4"-7	200	19.800	17.500	39.600	35.000	24.500	17.500	36.700	26.200	17.500	17.500
PLBW U1 3/8	1 3/8"-6	236	24.000	22.000	48.000	44.000	30.800	22.000	46.200	33.000	22.000	22.000
PLBW U1 1/2	1 1/2"-6	295	25.000	24.000	50.000	48.000	33.600	24.000	50.400	36.000	24.000	24.000

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 and 2.

Non permissible usage

Make sure when choosing the assembly that improper load can not arise e.g. 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)

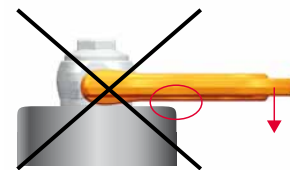
X = Excess length of the screw (twofold pitch of the screw)

L max. = n max.

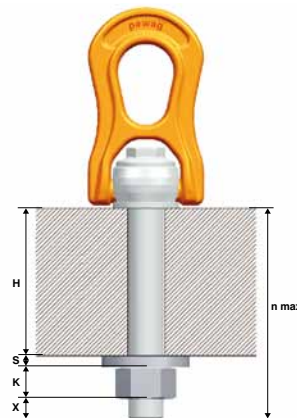
In case of requesting a lifting point with a special thread length, please mention the requested thread length "L".



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]			Weight [kg/pc.]
PLBW 0,3 t	M8	300	29	56	30	38	18	27	94	13	80	8	15	0,32
PLBW 0,6 t	M10	600	29	56	30	38	18	27	94	15	100	8	15	0,33
PLBW 1 t	M12	1.000	29	56	30	38	18	27	94	17	180	8	15	0,34
PLBW 1,3 t	M14	1.300	43	79	45	55	25	38	138	22	220	10	24	1,03
PLBW 1,6 t	M16	1.600	43	79	45	55	25	38	138	24	260	10	24	1,04
PLBW 2 t	M18	2.000	43	79	45	55	25	38	138	27	295	10	24	1,07
PLBW 2,5 t	M20	2.500	43	79	45	55	25	38	138	30	335	10	24	1,08
PLBW 3 t	M22	3.000	64	118	68	85	38	58	209	33	355	14	36	3,50
PLBW 4 t	M24	4.000	64	118	68	85	38	58	209	36	355	14	36	3,53
PLBW 5 t	M27	5.000	64	118	68	85	38	58	209	40	355	14	36	3,58
PLBW 6,3 t	M30	6.300	64	118	68	85	38	58	209	45	355	14	36	3,66
PLBW 8 t	M33	8.000	106	188	108	132	60	91	331	54	328	19	55	14,50
PLBW 10 t	M36	10.000	106	188	108	132	60	91	331	59	328	19	55	14,60
PLBW 12,5 t	M42	12.500	106	188	108	132	60	91	331	69	328	19	55	14,90
PLBW 15 t	M48	15.000	106	188	108	132	60	91	331	74	328	19	55	15,20

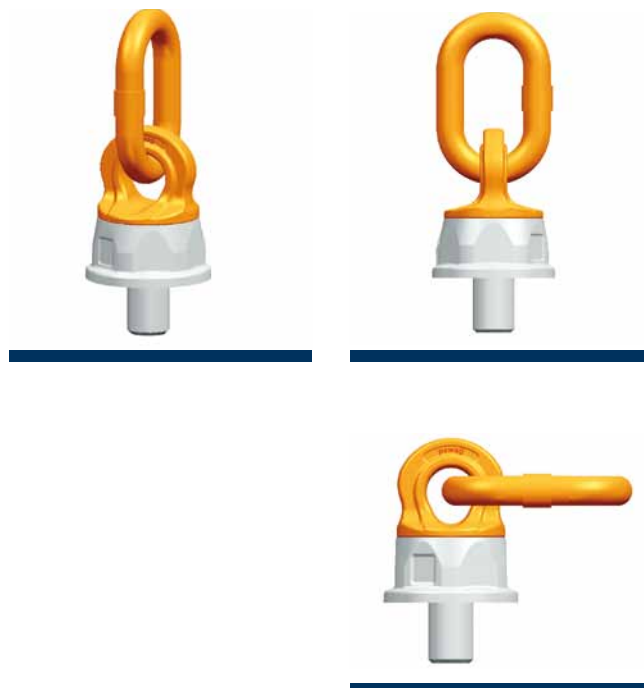
Code	Thread [inch]	Load capacity [lbs]	a [inch]	b [inch]	c [inch]	e [inch]	f [inch]	g [inch]	h [inch]	n [inch]	n max. [inch]			Weight [lbs/pc.]
PLBW U3/8	3/8"-16	1.300	1,14	2,20	1,18	1,50	0,71	1,06	3,70	0,59	-	5/16"	5/8"	0,73
PLBW U7/16	7/16"-14	2.200	1,14	2,20	1,18	1,50	0,71	1,06	3,70	0,67	-	5/16"	5/8"	0,75
PLBW U9/16	9/16"-12	3.000	1,69	3,11	1,77	2,17	0,98	1,50	5,43	0,87	-	5/16"	1"	2,27
PLBW U5/8	5/8"-11	3.500	1,69	3,11	1,77	2,17	0,98	1,50	5,43	0,95	-	5/16"	1"	2,29
PLBW U3/4	3/4"-10	5.500	1,69	3,11	1,77	2,17	0,98	1,50	5,43	1,19	-	5/16"	1"	2,38
PLBW U7/8	7/8"-9	8.800	2,52	4,65	2,68	3,35	1,50	2,28	8,23	1,44	-	9/16"	1 3/8"	7,78
PLBW U1	1"-8	11.000	2,52	4,65	2,68	3,35	1,50	2,28	8,23	1,59	-	9/16"	1 3/8"	7,89
PLBW U1 1/8	1 1/8"-7	13.500	2,52	4,65	2,68	3,35	1,50	2,28	8,23	1,79	-	9/16"	1 3/8"	8,07
PLBW U1 1/4	1 1/4"-7	17.500	4,17	7,40	4,25	5,20	2,36	3,58	13,03	2,13	-	3/4"	2 3/16"	32,00
PLBW U1 3/8	1 3/8"-6	22.000	4,17	7,40	4,25	5,20	2,36	3,58	13,03	2,32	-	3/4"	2 3/16"	32,20
PLBW U1 1/2	1 1/2"-6	24.000	4,17	7,40	4,25	5,20	2,36	3,58	13,03	2,72	-	3/4"	2 3/16"	32,80











Attention: Subject to technical changes!

PLDW pewag winner profilift delta

Ball-bearing 360° under load rotatable lifting point. High resistant lifting eye 180° movable. The special screws are 100% crack-tested as well as protected against corrosion, and marked with WLL and thread size. Each lifting point is marked with an individual serial number, that allows traceability. 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 Angle of inclination			         									
			1	1	2	2	2	2	3+4	3+4	2	3+4
			0°	90°	0°	90°	0°-45°	45°-60°	0°-45°	45°-60°	asymm.	asymm.
Code	Thread [mm]	Fastening torque [Nm]	Load capacity [kg]									
PLDW 0,3 t	M8	10	600	300	1.200	600	400	300	600	400	300	300
PLDW 0,5 t	M10	10	1.000	500	2.000	1.000	700	500	1.000	750	500	500
PLDW 0,7 t	M12	15	1.400	700	2.800	1.400	950	700	1.400	1.000	700	700
PLDW 1 t*	M14	25	2.000	1.000	4.000	2.000	1.400	1.000	2.100	1.500	1.000	1.000
PLDW 1,5 t	M16	30	2.600	1.500	5.200	3.000	2.100	1.500	3.100	2.100	1.500	1.500
PLDW 2,5 t	M20	80	4.500	2.500	9.000	5.000	3.500	2.500	5.300	3.500	2.500	2.500
PLDW 4 t	M24	150	7.000	4.000	14.000	8.000	5.500	4.000	8.400	6.000	4.000	4.000
PLDW 6 t	M30	230	10.000	6.000	20.000	12.000	8.400	6.000	12.600	9.000	6.000	6.000
PLDW 8 t	M36	450	12.500	8.000	25.000	16.000	11.200	8.000	16.800	12.000	8.000	8.000
PLDW 10 t	M42	600	16.000	10.000	32.000	20.000	14.000	10.000	21.000	15.000	10.000	10.000
PLDW 12,5 t	M48	600	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

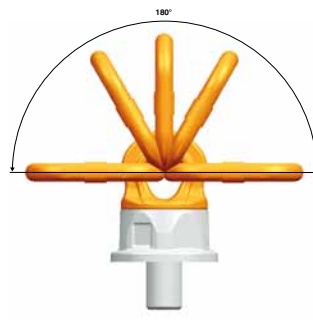
Load capacity acc. to the inspection certificate respectively table of WLL in the mentioned directions of pull – see picture 1.

Non permissible usage

Make sure when choosing the assembly that improper load can not arise e.g. 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

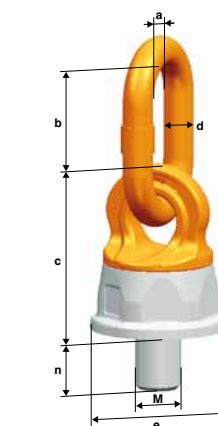
For more details please have a look into our detailed user manual.




Picture 1



Picture 2



Code	Thread [mm]	Load capacity [kg]	a [mm]	b [mm]	c [mm]	Ø d [mm]	Ø e [mm]	n [mm]	 [mm]	Weight [kg/pc.]
PLDW 0,3t	M8	300	30	38	54	13	38	20	34	0,47
PLDW 0,5t	M10	500	30	38	54	13	38	20	34	0,47
PLDW 0,7t	M12	700	35	48	54	13	38	22	34	0,47
PLDW 1t *	M14	1.000	35	48	54	13	38	22	34	0,47
PLDW 1,5t	M16	1.500	35	48	54	13	38	33	34	0,49
PLDW 2,5t	M20	2.500	35	55	75	16	55	33	46	1,10
PLDW 4t	M24	4.000	40	66	82	17	63	40	50	1,50
PLDW 6t	M30	6.000	50	70	92	23	72	40	60	2,50
PLDW 8t	M36	8.000	50	91	124	23	92	55	75	4,30
PLDW 10t	M42	10.000	65	91	124	27	92	60	75	5,10
PLDW 12,5t	M48	12.500	65	116	124	27	92	68	75	5,40

* Only on request!

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.

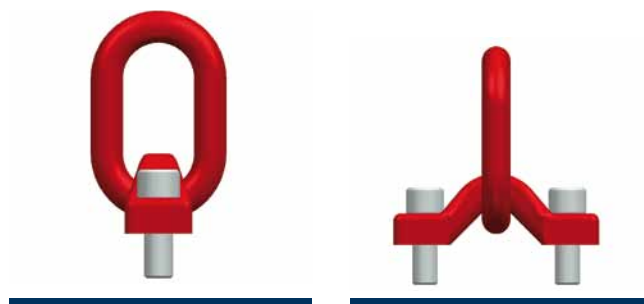
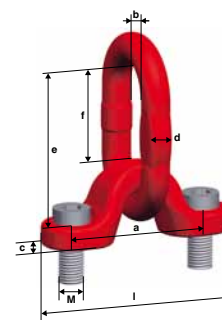
Permissible usage

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 e.g. if:

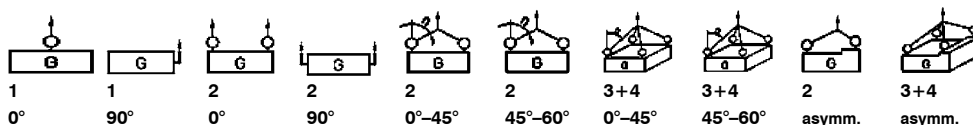
- The direction of pull is obstructed
- Direction of pull is not in the foreseen area
- Loading ring rests against edges or loads



Method of lifting

Number of legs

Angle of inclination



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 diagonal pull.

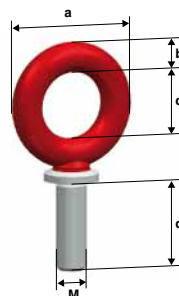
Permissible usage.

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 e.g. if:

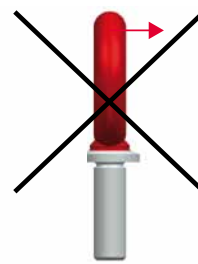
- The direction of pull is obstructed
- Direction of pull is not in the foreseen area (see picture 2 and 3)



Picture 1

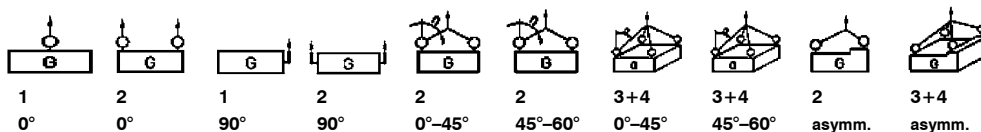


Picture 2



Picture 3

Method of lifting
Number of legs
Angle of inclination



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]	Weight [kg/pc.]
RGS 8	M8	400	34	7	20	24	0,05
RGS 10	M10	700	38	8	22	30	0,10
RGS 12	M12	1.000	47	10	26	36	0,20
RGS 14	M14	1.200	57	14	29	40	0,30
RGS 16	M16	1.500	65	15	35	55	0,40
RGS 20	M20	2.500	73	17	39	59	0,60
RGS 24	M24	4.000	95	20	54	84	1,20

Other sizes available on request!

Attention: Subject to technical changes!

Content	26
---------	----

Weldable lifting points

Advantages	28
pewag winner profilift eta	29



Weldable lifting points

Product Overview



Reliable. Innovative.
pewag.

Latest technology for the heaviest duties

The weldable high quality manufactured pewag profilift lifting point is the ideal complement to the pewag winner lifting chain programme and expands their field of operations. The weldable pewag 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-Safety prescriptions 2010 and Machine-Directive.



Stamping PLE



User manual

PLE pewag profilift eta

High-tensile eyebolts pewag 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 DIN EN ISO 14341 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.

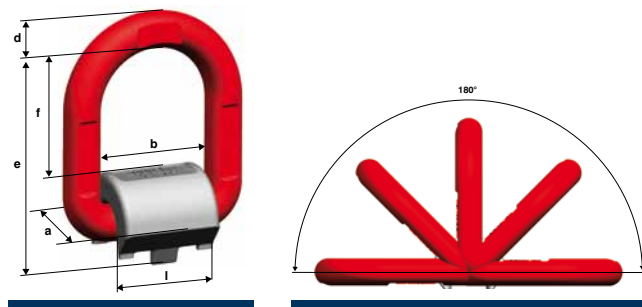
Permissible usage

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

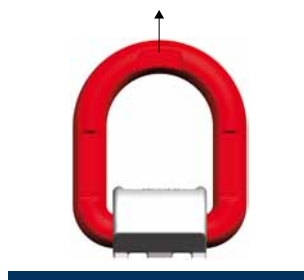
Non permissible usage

Make sure when choosing the assembly that improper load can not arise e.g. 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



Picture 1

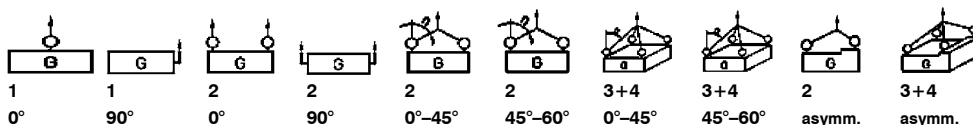


Picture 2

Method of lifting

Number of legs

Angle of inclination



Code	Load capacity [kg]	Load capacity [kg]									
PLE/N 6	1.120	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	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	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	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	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	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 [kg]	a [mm]	b [mm]	d [mm]	e [mm]	f [mm]	l [mm]	Weight [kg/pc.]
PLE/N 6	1.120	36	38	11	67	40	35	0,28
PLE/N 8	2.000	37	40	13	73	43	37	0,39
PLE/N 10	3.150	41	43	16,5	83	47	40	0,62
PLE/N 13	5.300	57	52	19,5	97	54	50	1,20
PLE/N 16	8.000	65	70	25	120	73	64	2,00
PLE/N 22	15.000	89	93	33	163	92	90	5,50

Attention: Subject to technical changes!

Spare parts

PLMS Screw nut according to DIN 980 V (set includes washer)	32
PLGS Screw for PLGW	32
PLGES Spare-Latches	32
PLAS Screw for PLAW	33
PLBS Screw for PLBW	33



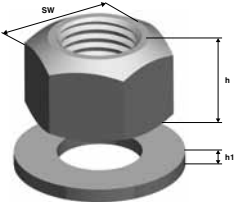
Spare parts

Product Overview




PLMS Screw nut according to DIN 980 V (set includes washer)

Spare parts for pewag winner lifting points with special length. The nuts are crack tested and have a strength class of at least 10 (DIN EN ISO 898). Set includes nut and washer. Both have to be used together.

PLMS Screw nut according to DIN 980 V (set includes washer)	Code	Thread [mm]	SW [mm]	h [mm]	h1 [mm]	VPE [piece]
	PLMS 8	M8	13	8	1,6	10
	PLMS 10	M10	17	10	2	10
	PLMS 12	M12	19	12	2,5	10
	PLMS 16	M16	24	16	4	10
	PLMS 20	M20	30	20	4	10
	PLMS 24	M24	36	24	4	10
	PLMS 30	M30	46	30	5	4
	PLMS 36	M36	55	36	6	1
	PLMS 42	M42	65	42	7	1
	PLMS 48	M48	75	48	8	1

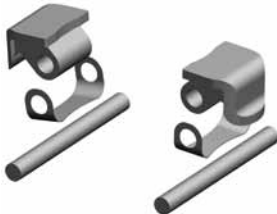
PLGS Screw for PLGW

Spare parts for PLGW pewag winner profilift gamma with metric thread.

PLGS Screw for PLGW	Code	Thread [mm]	VPE [piece]
	PLGS 0,3 t	M8	10
	PLGS 0,5 t	M10	10
	PLGS 0,7 t	M12	10
	PLGS 1,5 t	M16	10
	PLGS 2 t	M20	10
	PLGS 3 t	M24	10
	PLGS 4 t	M30	4
	PLGS 7 t	M36	1
	PLGS 9 t	M42	1
	PLGS 12 t	M48	1


PLGES Spare Latches

Spare latches for PLGW pewag winner profilift gamma.

PLGES Spare Latches	Code	Thread [mm]	VPE [piece]
	PLGES 0,3 t	M8	1
	PLGES 0,5 t	M10	1
	PLGES 0,7 t	M12	1
	PLGES 1,5 t	M16	1
	PLGES 2 t	M20	1
	PLGES 3 t	M24	1
	PLGES 4 t	M30	1
	PLGES 7 t	M36	1
	PLGES 9 t	M42	1
	PLGES 12 t	M48	1

PLAS Screw for PLAW

Spare parts for PLAW pewag winner profilift alpha with metric thread.
Only for type PLAW with sleeve.

	Code	Thread [mm]	VPE [piece]
	PLAS 0,3 t	M8	10
	PLAS 0,63 t	M10	10
	PLAS 1 t	M12	10
	PLAS 1,5 t	M16	10
	PLAS 2,5 t	M20	10
	PLAS 4 t	M24	10
	PLAS 6 t	M30	4
	PLAS 8 t	M36	1
	PLAS 10 t	M42	1
	PLAS 15 t	M42	1
	PLAS 20 t	M48	1

PLBS Screw for PLBW

Spare parts for PLBW pewag winner profilift beta with metric thread.

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

Content 34

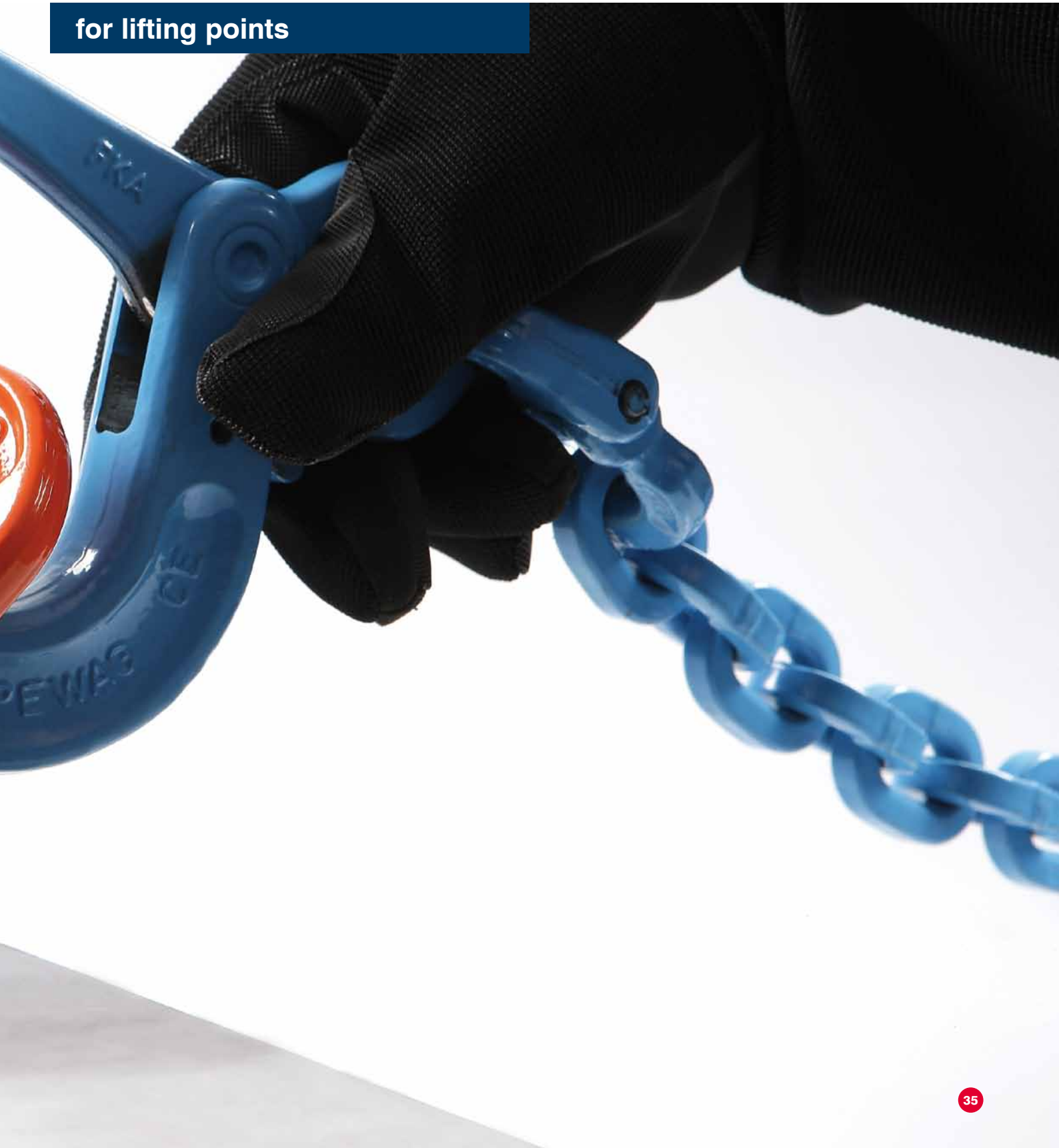
User manual

User manual 36–37



User manual

for lifting points



User manual

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

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 e.g. through grinding, welding (except lashing point PLE), 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 PLE 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 location 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 e.g. 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 (e.g. 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 according 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 (e.g. 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, de-humidified 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.

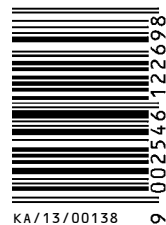
**Detailed user manual available
for download on www.pewag.com**



Notes

[illegible]





KA/13/00138

pewag austria GmbH

Bahnhofgürtel 59, A-8020 Graz, Phone: +43 316 6070-0, Fax: +43 316 6070-100, saleinfo@pewag.com, www.pewag.com

