

pewag[®] PLBW Beta

pewag winner profilift beta. Five-fold safety.

This is another lifting point that is 360° rotatable. The load ring is movable to an angle of 180° and can be positioned at any required angle due to its replaceable and patented spring. In the permitted applications, this lifting point offers five-fold safety.

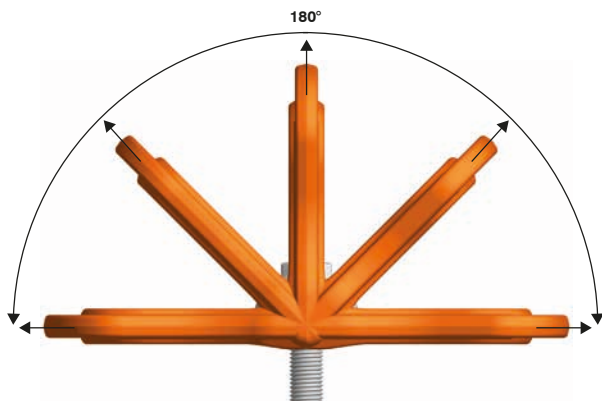
Due to the pewag quality standard, each lifting point comes with an individual serial number. The lifting points are marked with the admissible load capacity for the most unfavourable application mode, allowing for an increased load capacity in case of vertical loads.

The hexagonal special screw made from grade 10.9 material is also interchangeable and secured against loss. The screw is 100% crack-tested as well as covered with a chromate VI-free protection against corrosion and marked with the load capacity and thread size. It can be tightened with a hexagon wrench or spanner wrench.

pewag winner profilift beta is available with metric or UNC-thread. The versions with metric thread are also available with customised thread lengths.

All load capacities, categorised by method of lifting, number of legs and angle of inclination are contained in a table that forms an integral part of the operating manual included with each lifting point.

Also available with peTAG upon request.



Permitted directions of pull



Permitted directions of pull

Permitted usage

For load capacities in the permitted directions of pull please refer to the load capacity table.

Non-permitted usage

During assembly, ensure that improper loading cannot arise due to any of the following factors:

- Direction of pull is obstructed
- Direction of pull is not within the indicated area
- Loading ring rests against edges or loads

The loading ring must be placed in the direction of pull before loading – do not turn under load! For additional details and information, please refer to the full operating manual.

Calculating the required thread length (L):

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

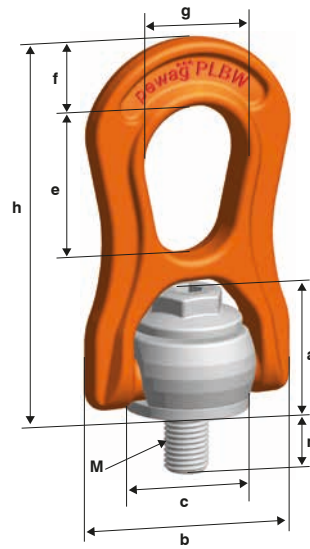
H = Material height

S = Thickness of the washer

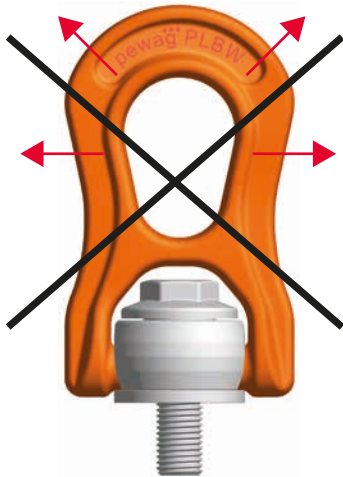
K = Height of the nut (depending on the thread size of the screw)

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

L max. = n max.



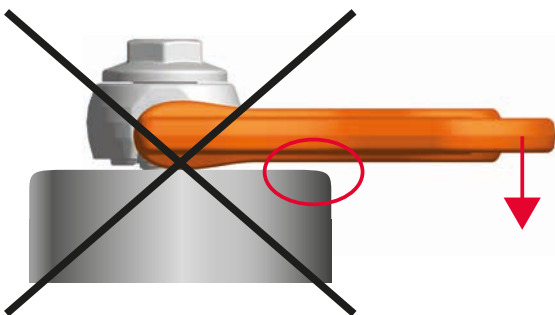
Please refer to the tables with technical data for all corresponding values



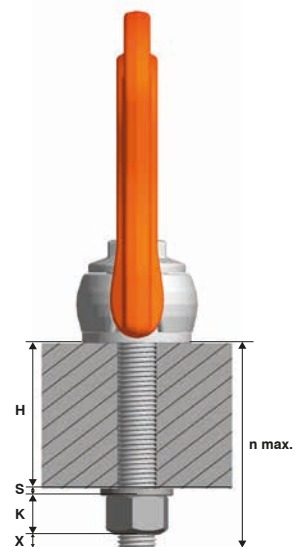
Non-permitted directions of pull

In addition to the standard and maximum thread lengths, pewag also offers cut-to-length thread lengths. Customised and maximum thread lengths are supplied with a washer and a crack-tested, corrosion-proofed screw nut.

For detailed information such as method of lifting, number of legs, angle of inclination etc., please refer to the tables with technical data.

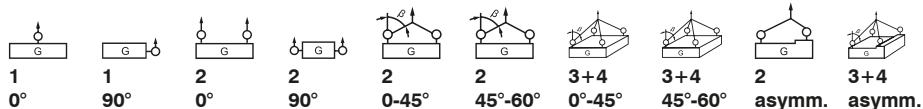


Non-permitted usage because of resting against edges or loads



pewag PLBW Beta

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 [ft-lbs]	Load capacity [lbs]									
PLBW U5/16	5/16"-18	4.50	1,100	660	2,200	1,320	900	660	1,400	900	660	660
PLBW U 3/8	3/8"-16	7.50	2,200	1,300	4,400	2,600	1,800	1,300	2,700	1,900	1,300	1,300
PLBW U 1/2	1/2"-13	11	2,800	2,200	5,600	4,400	3,000	2,200	4,600	3,300	2,200	2,200
PLBW U 7/16	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 U 9/16	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 U 5/8	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 U 3/4	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 U 7/8	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

Straight load direction 0°	Side load direction „allowed“ (ring aligned) 90°	Side load direction „not allowed“ (ring not aligned)
Higher load capacity in direction of screw axis (Column „0°“ in load table)	Nominal load capacity perpendicular to screw axis (Column „90°“ in load table)	Not allowed because of unstable condition. Ring could turn suddenly under load – high risk for load and/or people.

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	M8	300	29	56	30	38	18	27	94	13	80	8	15	0.31
PLBW 0,6 t	M10	600	29	56	30	38	18	27	94	15	100	8	15	0.35
PLBW 1 t	M12	1,000	29	56	30	38	18	27	94	17	180	8	15	0.37
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	3.60
PLBW 5 t	M27	5,000	64	118	68	85	38	58	209	40	355	14	36	3.60
PLBW 6,3 t	M30	6,300	64	118	68	85	38	58	209	45	355	14	36	3.70
PLBW 8 t	M33	8,000	106	188	108	132	60	91	331	54	328	19	55	14.30
PLBW 10 t	M36	10,000	106	188	108	132	60	91	331	59	328	19	55	14.40
PLBW 12,5 t	M42	12,500	106	188	108	132	60	91	331	69	328	19	55	14.70
PLBW 15 t	M48	15,000	106	188	108	132	60	91	331	74	328	19	55	15.00

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]	⌀ [inch]	⊥ [inch]	Weight [lbs/pcs.]
PLBW U5/16	5/16"-18	660	1.14	2.20	1.18	1.50	0.71	1.06	3.70	0.51	-	5/16"	5/8"	0.71
PLBW U 3/8	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 U 1/2	1/2"-13	2,200	1.14	2.20	1.18	1.50	0.71	1.06	3.70	0.67	-	5/16"	5/8"	0.77
PLBW U 7/16	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 U 9/16	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 U 5/8	5/8"-11	3,500	1.69	3.11	1.77	2.17	0.98	1.50	5.43	0.94	-	5/16"	1"	2.29
PLBW U 3/4	3/4"-10	5,500	1.69	3.11	1.77	2.17	0.98	1.50	5.43	1.18	-	5/16"	1"	2.38
PLBW U 7/8	7/8"-9	8,800	2.52	4.65	2.68	3.35	1.50	2.28	8.23	1.42	-	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	1.57	-	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	1.77	-	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



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

