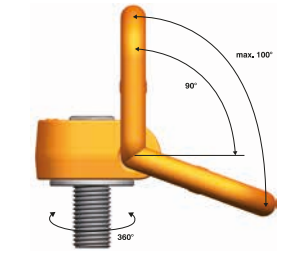
PLAW pewag winner profilift alpha

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.

PLAW 0,3 - 1,5

PLAW 2,5 - 20



Picture 1: permissible usage

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°	unsymm.	unsymm.

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	250	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	700	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	1.000	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 U 3/8	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 U 1/2	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 U 5/8	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 U 3/4	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!

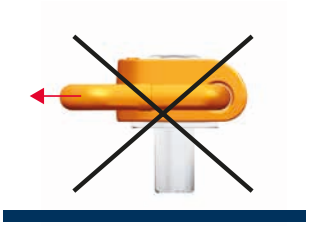
Attention: Subject to technical changes!

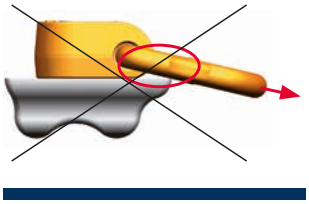
Safety factor 4

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)

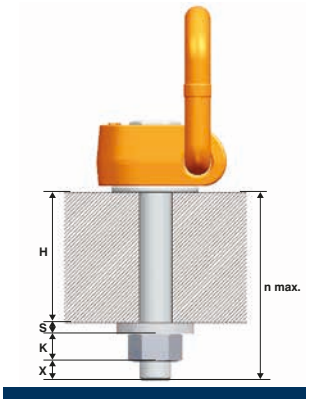
The load ring must be placed in the direction of pull before loading – do not turn under load. For more details please have a look into our user manual.

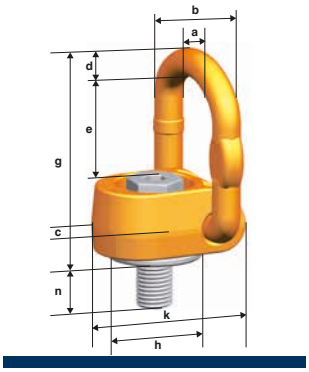

Picture 2


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.





pewag provides, along with the standard and maximum thread lengths, specially customised thread lengths.
Supplied customised and maxium thread lengths include a washer and a crack-tested, corrosion-proofed screw nut.

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	20	150	6	-	0,57
PLAW 0,63 t	M10	630	45	67	40	11	41	95	23	55	20	150	8	-	0,58
PLAW 1 t	M12	1.000	45	67	40	11	41	95	23	55	33	170	10	24	0,60
PLAW 1,5 t	M16	1.500	45	67	40	11	41	95	23	55	33	260	10	24	0,62
PLAW 2,5 t	M20	2.500	54	81	50	13	55	112	33	67	33	335	8	24	1,10
PLAW 4 t	M24	4.000	75	115	67	20	68	143	45	100	36	364	19	-	3,00
PLAW 6 t	M30	6.000	75	115	67	20	68	143	45	100	49	364	14	36	3,10
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	365	19	36	6,10
PLAW 10 t	M42	10.000	93	147	85	27	85	188	52	120	65	365	32	-	6,40
PLAW 15 t	M42	15.000	115	181	105	33	108	246	63	150	63	340	19	55	12,0
PLAW 20 t	M48	20.000	115	181	105	33	108	246	63	150	73	340	19	55	12,3

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 U 3/8	3/8"-16	1.350	1,77	2,64	1,57	0,43	1,61	3,74	0,91	2,17	0,79	-	5/16"	-	1,39
PLAW U 1/2	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"	-	1,41
PLAW U 5/8	5/8"-11	3.300	1,77	2,64	1,57	0,43	1,61	3,74	0,91	2,17	1,30	-	1/2"	-	1,45
PLAW U 3/4	3/4"-10	4.400	2,13	3,19	1,97	0,51	2,17	4,41	1,34	2,64	1,30	-	9/16"	-	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	-	3/4"	-	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	-	7/8"	-	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	-	1"	-	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	-	1 1/4"	-	14,70

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