



## Lifting Eye Pewag PLAW Alpha

### Product information

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.

pewag winner profilift alpha is able to withstand a 4-fold safety against break in all directions. It is available with metric or UNC-thread, whereas the lifting points with metric thread is also obtainable with customized thread lengths.

#### 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 loads (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.

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

**Material:** Alloy steel

**Marking:** According to standard, CE-marked, WLL, thread size and an individual serial number.

**Finish:** Painted.

**Standard:** EN 1677-1

*except grade/WLL*

**Safety factor:** 4:1

Part Code	Code	WLL ton	Thread	a mm	b mm	c mm	d mm	e mm	g mm	h mm	k mm	n mm	n max mm	Weight kg
421558491	PLAW 0,3 t	0.3	M8	45	67	40	11	41	95	36	55	20	150	0.57
421558493	PLAW 0,63 t	0.63	M10	45	67	40	11	41	95	36	55	20	150	0.58
421571802	PLAW 1 t	1	M12	45	67	40	11	41	95	36	55	20	170	0.6
421572766	PLAW 1,5 t	1.5	M16	45	67	40	11	41	95	36	55	24	260	0.62
421561003	PLAW 2,5 t	2.5	M20	54	81	50	13	55	112	50	67	33	335	1.1
42157428	PLAW 4 t	4	M24	54	87	50	17	67	142	45	70	36	361	1.6
421525602	PLAW 6 t	6	M30	68	108	60	20	68	148	55	85	45	360	3.1
421535029	PLAW 7 t *	7	M36	75	115	67	20	65	143	60	100	55	374	3.3
421561979	PLAW 8 t	8	M36	93	147	85	27	87	188	85	120	55	365	6.1
421562009	PLAW 10 t	10	M42	93	147	85	27	87	188	85	120	65	365	6.4
421535028	PLAW 15 t	15	M42	115	181	105	33	108	246	106	150	63	340	12
421589137	PLAW 20 t	20	M48	115	181	105	33	108	246	106	150	73	340	12.3

## Technical data

Method of lifting														
Number of legs		1	1	2	2	2	3+4	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	Fastening torque	Load capacity											
	mm	Nm	tons											
PLAW 0,3 t	M8	35	0,3	0,3	0,6	0,6	0,4	0,3	0,6	0,4	0,3	0,3	10	24
PLAW 0,63 t	M10	70	0,63	0,63	1,25	1,25	0,85	0,63	1,3	0,9	0,63	0,63	10	24
PLAW 1 t	M12	120	1	1	2	2	1,4	1	2,1	1,5	1	1	10	24
PLAW 1,5 t	M16	150	1,5	1,5	3	3	2,1	1,5	3,1	2,2	1,5	1,5	10	24
PLAW 2,5 t	M20	170	2,5	2,5	5	5	3,5	2,5	5,3	3,7	2,5	2,5	8	24
PLAW 4 t	M24	400	4	4	8	8	5,6	4	8,4	6	4	4	14	36
PLAW 6 t	M30	500	6	6	12	12	8,5	6	12,7	9	6	6	14	36
PLAW 7 t*	M36	800	7	7	14	14	9,8	7	14,8	10,4	7	7	27	-
PLAW 8 t	M36	800	8	8	16									

# Blueprint

