



## Lifting Eye Pewag PLDW

### Product information

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. 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.

#### 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

#### 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.

**Material:** Alloy steel

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

**Standard:** EN 1677-1

*except grade/WLL*

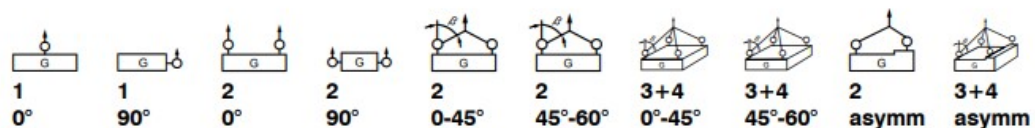
**Note:** Also available in special length (SL) and maximum length (MAXL) as well.

**Safety factor:** 4:1

Part Code	Code	WLL ton	Thread	a mm	b mm	c mm	d mm	e mm	n mm	n max mm	Weight kg
421591742	PLDW M8	0.3	M8	30	38	54	13	38	20	100	0.47
421591743	PLDW M10	0.5	M10	30	38	54	13	38	20	180	0.47
421591744	PLDW M12	0.7	M12	35	48	54	13	38	22	200	0.47
421591745	PLDW M14	1	M14	35	48	54	13	38	22	200	0.47
421591746	PLDW M16	1.5	M16	35	48	54	13	38	33	250	0.49
421591747	PLDW M20	2.5	M20	35	55	75	16	55	33	250	1.1
421591748	PLDW M24	4	M24	40	66	82	17	63	40	300	1.5
421526827	PLDW M30	6.7	M30	50	70	92	23	72	40	300	2.6
421591750	PLDW M36	8	M36	50	91	120	23	92	55	300	4.3
421591751	PLDW M42	10	M42	65	91	120	27	92	60	300	5.1
421532166	PLDW M45	12	M45	65	91	120	27	92	68	-	5.2
421591752	PLDW M48	13	M48	65	116	120	27	92	68	300	5.4
421532170	PLDW M56	24	M56	70	105	154	33	110	84	300	10.5
421532173	PLDW M64	25	M64	70	105	154	33	110	96	300	11.3
421574701	PLDW M72	40	M72	90	130	213	45	170	110	500	29
421574726	PLDW M80	45	M80	90	130	213	45	38	120	500	30
42153627	PLDW M90	55	M90	90	130	213	45	170	135	500	32
42153633	PLDW M100	55	M100	90	130	213	45	170	150	500	35

## Technical data

Lashing type  
Number of legs  
Angle of inclination



Code	Thread [mm]	Torque [Nm]	Working load limit [kg]									
PLDW 0,3 t	M8	10	600	300	1.200	600	400	300	600	400	300	300
PLDW 0,5 t	M10	10	1.200	500	2.400	1.000	700	500	1.000	750	500	500
PLDW 0,7 t	M12	15	1.800	700	3.600	1.400	950	700	1.400	1.000	700	700
PLDW 1 t *	M14	25	2.400	1.000	4.800	2.000	1.400	1.000	2.100	1.500	1.000	1.000
PLDW 1,5 t	M16	30	2.800	1.500	5.600	3.000	2.100	1.500	3.100	2.200	1.500	1.500
PLDW 2,5 t	M20	80	5.000	2.500	10.000	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 5,3 t	M30	230	7.000	5.300	14.000	10.600	7.400	5.300	11.200	7.900	5.300	5.300
PLDW 6,7 t	M30	230	10.000	6.700	20.000	13.400	9.400	6.700	14.200	10.000	6.700	6.700
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 t	M45	600	16.000	12.000	32.000	24.000	16.900	12.000	25.400	18.000	12.000	12.000
PLDW 13 t	M48	600	16.000	13.000	32.000	26.000	18.300	13.000	27.500	19.500	13.000	13.000
PLDW 13 t	M52	600	16.000	13.000	32.000	26.000	18.300	13.000	27.500	19.500	13.000	13.000
PLDW 24 t	M56	800	28.000	24.000	56.000	48.000	33.900	24.000	50.900	36.000	24.000	24.000
PLDW 25 t	M64	800	28.000	25.000	56.000	50.000	35.300	25.000	53.000	37.500	25.000	25.000
PLDW 40 t	M72	1.200	60.000	40.000	120.000	80.000	56.500	40.000	84.800	60.000	40.000	40.000
PLDW 45 t	M80	1.400	60.000	45.000	120.000	90.000	63.600	45.000	95.400	67.500	45.000	45.000
PLDW 55 t	M90	1.500	60.000	55.000	120.000	110.000	77.700	55.000	116.600	82.500	55.000	55.000
PLDW 55 t	M100	1.600	60.000	55.000	120.000	110.000	77.700	55.000	116.600	82.500	55.000	55.000

\* Custom designs available upon request only

# Blueprint

