The Pewag Profilift PLDW lifting and lashing point utilizes a ball bearing which allows the unit to be rotated 360° even under load. A high strength free moving lifting eye is incorporated in the design and is movable by 180° and is wide enough to accommodate larger hook sizes. The special screw is 100% crack-tested, protected against corrosion and marked with the load capacity and thread size.

PLMS Nut and washer to DIN 980-V

In addition, each lifting point is marked with its own individual serial number providing full traceability. The PLDW range is available with metric threads and can also be supplied with long (max.) or custom bolt lengths which are supplied with a special 100% crack detected prevailing torque type locking nut and washer to DIN 980-V (PLMS).

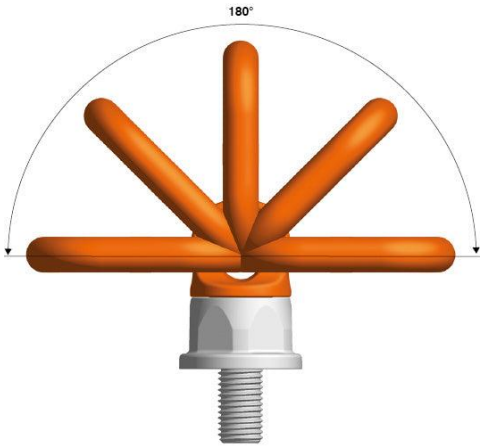
All load capacities, categorised by method of lifting, number of legs and angle of inclination are contained in a table that forms an integral part of the operating manual included with each lifting point. The Pewag Winner Profilift Delta lifting points are marked with the admissible load capacity for the most unfavourable application mode, allowing for an increased load capacity in case of vertical loads and a 4:1 factor of safety against break in all directions.

Also available with peTAG upon request.

Metric thread sizes available: M8, M10, M12, M14, M16, M20, M22, M24, M30, M36, M42, M45, M48, M52, M56, M64, M72, M80, M90, M100.

UNC thread sizes available: 3/8", 1/2", 5/8", 3/4", 1", 1 1/8", 1 1/4", 1 1/2", 1 3/4", 2", 2 1/2".

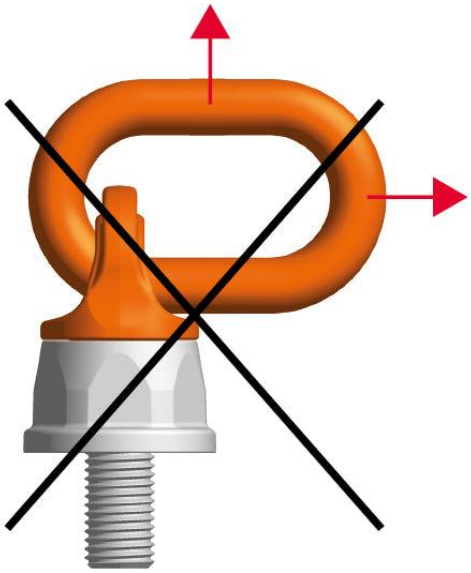
Permitted usage



Can be loaded in all directions within the 180° range.

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

Non-permitted usage



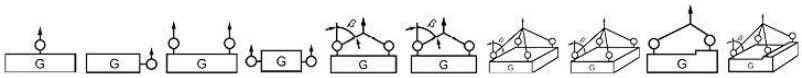
During assembly, ensure that improper loading cannot arise due to any of the following factors:

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

Despite the upper part being fitted with a ball bearing and being rotatable 360°, before use, you should adjust the ring in the correct direction of tension. This applies in particular when lifting with multi leg slings. With a non-aligned ring, the ring holder could turn suddenly under load creating a potential risk

for the load and/or people.

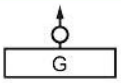
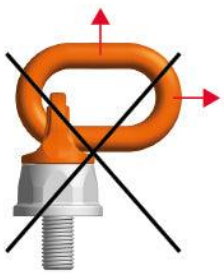
The full operating manual contains further details and information on safe usage.

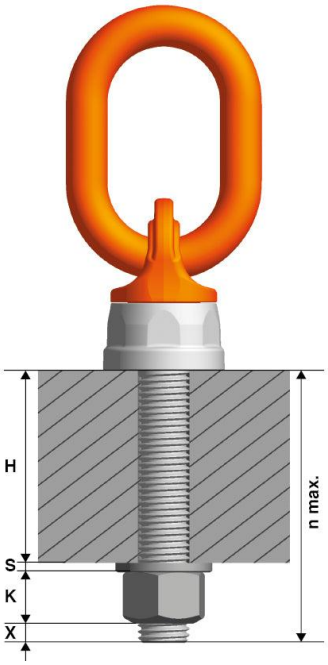
Method of lifting										
Number of legs	1	1	2	2	2	2	3+4	3+4	2	3+4
Angle of inclination	0°	90°	0°	90°	0-45°	45°-60°	0°-45°	45°-60°	asymm.	asymm.

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	1,200	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	2,100	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	12,200	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 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
PLDW 13 t	M48	600	16,000	13,000	32,000	26,000	18,300	13,000	27,500	19,500	13,000	12,500
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	13,000
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	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	M100	1,600	60,000	55,000	120,000	110,000	77,700	55,000	116,600	82,500	55,000	55,000

Code	Thread [inch]	Fastening torque [ft-lbs]	Load capacity [lbs]									
PLDW U 3/8	3/8"-16	7.50	2,640	1,100	5,290	2,200	1,550	1,100	2,330	1,650	1,100	1,100
PLDW U 1/2	1/2"-13	11	3,900	1,500	7,900	3,000	2,100	1,500	3,200	2,300	1,500	1,500
PLDW U 5/8	5/8"-11	22	6,100	3,300	12,300	6,600	4,600	3,300	7,000	4,900	3,300	3,300
PLDW U 3/4	3/4"-10	60	8,800	4,400	17,600	8,800	6,200	4,400	9,300	6,600	4,400	4,400
PLDW U 1	1"-8	110	15,400	8,800	30,800	17,600	12,400	8,800	18,700	13,200	8,800	8,800
PLDW U 1 1/4	1 1/4"-7	170	22,000	14,700	44,000	29,500	20,800	14,700	31,300	22,100	14,700	14,700
PLDW U 1 1/2	1 1/2"-6	330	27,500	17,600	55,100	35,200	24,600	17,600	37,400	26,400	17,600	17,600
PLDW U 1 3/4	1 3/4"-5	440	35,200	22,000	70,500	44,000	31,100	22,000	46,700	33,000	22,000	22,000
PLDW U 2	2"-4.5	440	35,200	27,500	70,500	55,100	38,900	27,500	58,400	41,300	27,500	27,500
PLDW U 2 1/2	2 1/2"-4	600	61,700	39,600	123,400	79,300	56,100	39,600	84,100	59,500	39,600	39,600

Safety factor 4:1

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.



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)

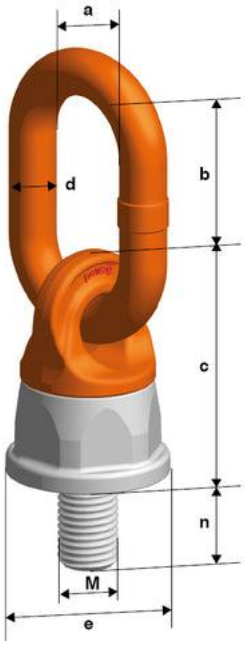
X = Excess length of the screw (twofold pitch of the screw)

L max. = n max.

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.



Code	Thread [mm]	Load capacity [kg]	a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	n [mm]	n max [mm]	[mm]	Weight [kg/pc.]
PLDW 0,3 t	M8	300	30	38	54	13	38	20	100	34	0.45
PLDW 0,5 t	M10	500	30	38	54	13	38	20	180	34	0.45
PLDW 0,7 t	M12	700	35	48	54	13	38	22	200	34	0.48
PLDW 1 t	M14	1,000	35	48	54	13	38	22	200	34	0.49
PLDW 1,5 t	M16	1,500	35	48	54	13	38	33	250	34	0.51
PLDW 2,5 t	M20	2,500	35	55	75	16	55	33	250	46	1.10
PLDW 4 t	M24	4,000	40	66	82	17	63	40	300	50	1.50
PLDW 5,3 t	M30	5,300	40	66	82	17	63	35	300	50	1.50
PLDW 6,7 t	M30	6,700	50	70	92	23	72	40	300	60	2.60
PLDW 8 t	M36	8,000	50	91	120	23	92	55	300	75	4.30
PLDW 10 t	M42	10,000	65	91	120	27	92	60	300	75	5.10
PLDW 12 t	M45	12,000	65	91	120	27	92	68	-	75	5.20
PLDW 12,5 t	M48	12,500	65	116	120	27	92	68	300	75	5.40
PLDW 13 t	M48	13,000	65	116	120	27	92	68	300	75	5.40
PLDW 13 t	M52	13,000	65	116	120	27	92	68	-	75	5.40
PLDW 24 t	M56	24,000	70	105	154	33	110	84	300	95	10.20
PLDW 25 t	M64	25,000	70	105	154	33	110	96	300	95	11.00
PLDW 40 t	M72	40,000	90	130	213	45	170	110	500	145	29.00
PLDW 45 t	M80	45,000	90	130	213	45	170	120	500	145	30.00
PLDW 55 t M90	M90	55,000	90	130	213	45	170	135	500	145	32.00
PLDW 55 t M100	M100	55,000	90	130	213	45	170	150	500	145	35.00

Code	Thread [inch]	Load capacity [lbs]	a [inch]	b [inch]	c [inch]	d [inch]	e [inch]	n [inch]	n max [inch]	[inch]	Weight [lbs/pcs.]
PLDW U 3/8	3/8"-16	1,100	1.18	1.50	2.13	0.51	1.50	0.59	-	1.34	1.00
PLDW U 1/2	1/2"-13	1,500	1.38	1.89	2.13	0.51	1.50	0.79	-	1.34	1.06
PLDW U 5/8	5/8"-11	3,300	1.38	1.89	2.13	0.51	1.50	0.98	-	1.34	1.10
PLDW U 3/4	3/4"-10	4,400	1.38	2.17	2.95	0.63	2.17	1.18	-	1.81	2.43
PLDW U 1	1"-8	8,800	1.57	2.60	3.23	0.67	2.48	1.57	-	1.97	3.30
PLDW U 1 1/4	1 1/4"-7	14,700	1.97	2.76	3.62	0.91	2.83	1.77	-	2.36	5.70
PLDW U 1 1/2	1 1/2"-6	17,600	1.97	3.58	4.72	0.91	3.62	2.17	-	2.95	9.50
PLDW U 1 3/4	1 3/4"-5	22,000	2.56	3.58	4.72	1.06	3.62	2.36	-	2.95	11.20
PLDW U 2	2"-4.5	27,500	2.56	4.57	4.72	1.06	3.62	2.68	-	2.95	11.90
PLDW U 2 1/2	2 1/2"-4	39,600	2.76	4.13	6.06	1.30	4.33	3.78	-	3.74	22.40

Safety factor 4:1