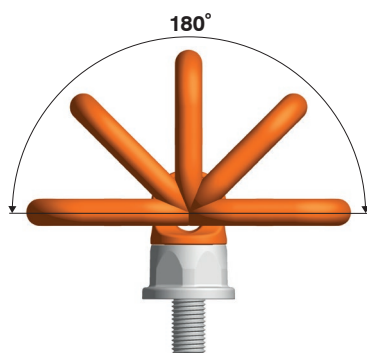


PLDW Lifting Point

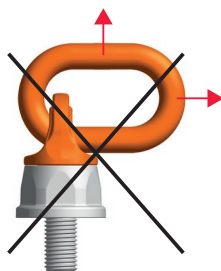
- Fully rotatable 360° even under maximum load
- Wide lifting eye accommodates larger hooks and components, movable 180°
- Compact design reduces mounting space
- Corrosion protected grade 10.9 bolt is 100% crack-tested
- Traceable with serial number
- Available in UNC up to 2 1/2" and Metric up to M100

				Method of Lifting / Angles									
				 *Labeled WLL 1 Leg 0°	 1 Leg 90°	 2 Legs 0°	 2 Legs 90°	 2 Legs 30° - 45°	 2 Legs 45° - 90°	 3 & 4 Legs 30° - 45°	 3 & 4 Legs 45° - 90°	 2 Legs asymm.	 2 Legs asymm.
Code	Thread (mm)	Fastening torque (Nm) (ft-lbs)		Working Load Limit (kg)									
PLDW 0.3 T	M8	10	7.5	300	600	600	1,200	300	400	400	600	300	300
PLDW 0.5 T	M10	10	7.5	500	1,200	1,000	2,400	500	700	750	1,000	500	500
PLDW 0.7 T	M12	15	11	700	1,800	1,400	3,600	700	950	1,000	1,400	700	700
PLDW 1 T	M14	25	18.5	1,000	2,400	2,000	4,800	1,000	1,400	1,500	2,100	1,000	1,000
PLDW 1.5 T	M16	30	22	1,500	2,800	3,000	5,600	1,500	2,100	2,100	3,100	1,500	1,500
PLDW 2.5 T	M20	80	59	2,500	5,000	5,000	10,000	2,500	3,500	3,500	5,300	2,500	2,500
PLDW 4 T	M24	150	111	4,000	7,000	8,000	14,000	4,000	5,500	6,000	8,400	4,000	4,000
PLDW 6.7 T	M30	230	170	6,700	10,000	13,400	20,000	6,700	9,400	10,000	14,200	6,700	6,700
PLDW 8 T	M36	450	332	8,000	12,500	16,000	25,000	8,000	11,200	12,000	16,800	8,000	8,000
PLDW 10 T	M42	600	443	10,000	16,000	20,000	32,000	10,000	14,000	15,000	21,000	10,000	10,000
PLDW 12 T	M45	600	443	12,000	16,000	24,000	32,000	12,000	16,900	18,000	25,400	12,000	12,000
PLDW 12.5 T	M48	600	443	12,500	16,000	25,000	32,000	12,500	17,500	18,000	26,200	12,500	12,500
PLDW 24 T	M56	800	590	24,000	28,000	48,000	56,000	24,000	33,900	36,000	50,900	24,000	24,000
PLDW 25 T	M64	800	590	25,000	28,000	50,000	56,000	25,000	35,300	37,500	53,000	25,000	25,000
PLDW M40 T	M72	1,200	885	40,000	60,000	80,000	120,000	40,000	56,500	60,000	84,800	40,000	40,000
PLDW M45 T	M80	1,400	1,033	45,000	60,000	90,000	120,000	45,000	63,600	67,500	95,400	45,000	45,000
PLDW M90-55T	M90	1,500	1,106	55,000	60,000	110,000	120,000	55,000	77,700	82,500	116,600	55,000	55,000
PLDW M100-55T	M100	1,600	1,180	55,000	60,000	110,000	120,000	55,000	77,700	82,500	116,600	55,000	55,000
1 kg = 2.2046 lbs													
Code	Thread (inch)	Fastening torque (Nm) (ft-lbs)		Working Load Limit (lbs)									
PLDW U 3/8	3/8"-16	10	7.5	1,100	2,640	2,200	5,290	1,100	1,550	1,650	2,330	1,100	1,100
PLDW U 1/2	1/2"-13	15	11	1,500	3,900	3,000	7,900	1,500	2,100	2,300	3,200	1,500	1,500
PLDW U 5/8	5/8"-11	30	22	3,300	6,100	6,600	12,300	3,300	4,600	4,900	7,000	3,300	3,300
PLDW U 3/4	3/4"-10	82	60	4,400	8,800	8,800	17,600	4,400	6,200	6,600	9,300	4,400	4,400
PLDW U 1	1"-8	149	110	8,800	15,400	17,600	30,800	8,800	12,400	13,200	18,700	8,800	8,800
PLDW U 1 1/4	1 1/4"-7	231	170	14,700	22,000	29,500	44,000	14,700	20,800	22,100	31,300	14,700	14,700
PLDW U 1 1/2	1 1/2"-6	448	330	17,600	27,500	35,200	55,100	17,600	24,600	26,400	37,400	17,600	17,600
PLDW U 1 3/4	1 3/4"-5	597	440	22,000	35,200	44,000	70,500	22,000	31,100	33,000	46,700	22,000	22,000
PLDW U 2	2"-4.5	597	440	27,500	35,200	55,100	70,500	27,500	38,900	41,300	58,400	27,500	27,500
PLDW U 2 1/2	2 1/2"-4	814	600	39,600	61,700	79,300	123,400	39,600	56,100	59,500	84,100	39,600	39,600

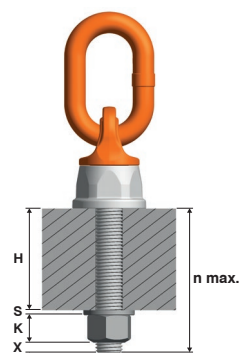
* WLL is horizontal in plane
Design factor 4:1 - for reference purposes only
Important: Subject to technical changes!



Permitted direction of pull



Not-permitted direction of pull



Calculating the required thread length (L)

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

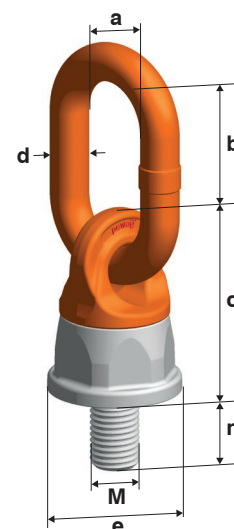
H = Material height

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)

$$L \text{ max} = n \text{ max}$$



Code	Thread (mm)	WLL (kg) Marked on lift. point	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 6.7 T	M30	6,700	50	70	92	23	72	40	300	60	2.60
PLDW 8 T	M36	8,000	50	91	124	23	92	55	300	75	4.30
PLDW 10 T	M42	10,000	65	91	124	27	92	60	300	75	5.10
PLDW 12 T	M45	12,000	65	91	124	27	92	68	-	75	5.20
PLDW 12.5 T	M48	12,500	65	116	124	27	92	68	300	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 M40 T	M72	40,000	90	130	213	45	170	110	500	145	29.00
PLDW M45 T	M80	45,000	90	130	213	45	170	120	500	145	30.00
PLDW M90-55T	M90	55,000	90	130	213	45	170	135	500	145	32.00
PLDW M100-55T	M100	55,000	90	130	213	45	170	150	500	145	35.00

25.4 mm = 1 inch

Code	Thread (inch)	WLL (lbs) Marked on lift. point	a (inch)	b (inch)	c (inch)	d (inch)	e (inch)	*n (inch)	**n max (inch)	⌀ (inch)	Weight (lbs/pc)
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

*"n" is standard bolt length

** "n max" is maximum bolt length - available special order only

Design factor 4:1 - for reference purposes only

Important: Subject to technical changes!