

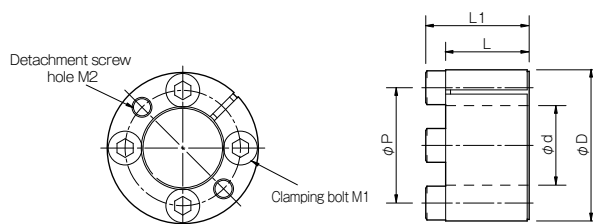
PSL-D - Datasheet

Specifications

Model	Rated torque [N·m]	Rated thrust [N]	Shaft contact pressure [N/mm ²]	Hub contact pressure [N/mm ²]	Tightening torque [N·m]	Moment of inertia [kg·m ²]	Mass [kg]
PSL-D-6	6	2100	150	60	1	0.48×10^{-6}	0.012
PSL-D-7	8	2100	140	60	1	0.52×10^{-6}	0.013
PSL-D-8	10	2600	110	50	1	0.77×10^{-6}	0.015
PSL-D-9	15	3200	130	60	1	1.1×10^{-6}	0.020
PSL-D-10	16	3200	110	60	1	1.2×10^{-6}	0.019
PSL-D-11	17	3200	100	50	1	1.8×10^{-6}	0.024
PSL-D-12	19	3200	100	50	1	1.7×10^{-6}	0.022
PSL-D-14	34	4800	100	50	2	4.3×10^{-6}	0.039
PSL-D-15	36	4800	90	50	2	5.7×10^{-6}	0.044
PSL-D-16	67	8400	130	60	4	10×10^{-6}	0.068
PSL-D-17	70	8400	120	60	4	18×10^{-6}	0.093
PSL-D-18	75	8400	110	60	4	17×10^{-6}	0.090
PSL-D-19	80	8400	110	60	4	16×10^{-6}	0.085
PSL-D-20	140	13600	150	80	8	24×10^{-6}	0.120
PSL-D-22	150	13600	140	80	8	29×10^{-6}	0.130
PSL-D-24	230	19300	150	80	14	70×10^{-6}	0.220
PSL-D-25	240	19300	140	80	14	69×10^{-6}	0.210
PSL-D-28	400	28900	190	110	14	86×10^{-6}	0.240
PSL-D-30	430	28900	180	100	14	128×10^{-6}	0.270
PSL-D-32	460	28900	170	100	14	123×10^{-6}	0.260
PSL-D-35	670	38600	160	90	14	215×10^{-6}	0.370
PSL-D-38	730	38600	150	90	14	298×10^{-6}	0.420
PSL-D-40	770	38600	140	90	14	286×10^{-6}	0.410
PSL-D-42	1110	52700	150	80	34	682×10^{-6}	0.700
PSL-D-45	1200	52700	140	80	34	609×10^{-6}	0.630
PSL-D-48	1690	70300	190	110	34	769×10^{-6}	0.730
PSL-D-50	1760	70300	180	110	34	742×10^{-6}	0.710

• The rated torque values are those when the thrust is zero and the rated thrust values are those when the torque is zero.

Dimensions



Model	d	D	P	L	L1	M1	M2	Unit [mm]
PSL-D-6	6	16	11	11	13.5	3-M2.5×10	2-M2.5	
PSL-D-7	7	17	12	11	13.5	3-M2.5×10	2-M2.5	
PSL-D-8	8	18	13	11	13.5	3-M2.5×10	2-M2.5	
PSL-D-9	9	20	15	13	15.5	4-M2.5×12	2-M2.5	
PSL-D-10	10	20	15	13	15.5	4-M2.5×12	2-M2.5	
PSL-D-11	11	22	17	13	15.5	4-M2.5×12	2-M2.5	
PSL-D-12	12	22	17	13	15.5	4-M2.5×12	2-M2.5	
PSL-D-14	14	26	20	17	20	4-M3×16	2-M3	
PSL-D-15	15	28	21.5	17	20	4-M3×16	2-M3	
PSL-D-16	16	32	24	17	21	4-M4×16	2-M4	
PSL-D-17	17	35	27	21	25	4-M4×20	2-M4	
PSL-D-18	18	35	27	21	25	4-M4×20	2-M4	
PSL-D-19	19	35	27	21	25	4-M4×20	2-M4	
PSL-D-20	20	38	29	21	26	4-M5×20	2-M5	
PSL-D-22	22	40	31	21	26	4-M5×20	2-M5	
PSL-D-24	24	47	36	26	32	4-M6×25	2-M6	
PSL-D-25	25	47	36	26	32	4-M6×25	2-M6	
PSL-D-28	28	50	39	26	32	6-M6×25	2-M6	
PSL-D-30	30	55	43.5	26	32	6-M6×25	2-M6	
PSL-D-32	32	55	43.5	26	32	6-M6×25	2-M6	
PSL-D-35	35	60	47.5	31	37	8-M6×30	2-M6	
PSL-D-38	38	65	52.5	31	37	8-M6×30	2-M6	
PSL-D-40	40	65	52.5	31	37	8-M6×30	2-M6	
PSL-D-42	42	75	60	36	44	6-M8×35	2-M8	
PSL-D-45	45	75	60	36	44	6-M8×35	2-M8	
PSL-D-48	48	80	65	36	44	8-M8×35	2-M8	
PSL-D-50	50	80	65	36	44	8-M8×35	2-M8	

• L and L1 are dimensions before the POSI-LOCK is mounted.

• The nominal diameter of each bolt and tap is equal to the quantity minus the nominal diameter of the screw threads times the nominal length.

How to Place an Order

PSL-D-
Size

PSL-D-C – Datasheet

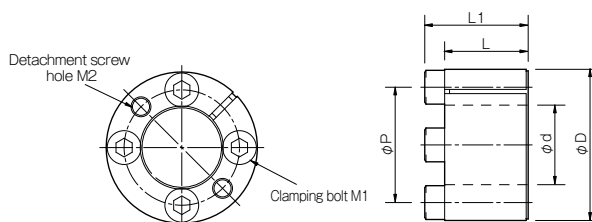
Electroless nickel coat

Specifications

Model	Rated torque [N·m]	Rated thrust [N]	Shaft contact pressure [N/mm ²]	Hub contact pressure [N/mm ²]	Tightening torque [N·m]	Moment of inertia [kg·m ²]	Mass [kg]
PSL-D-16-C	67	8400	130	60	4	10 × 10 ⁻⁶	0.068
PSL-D-17-C	70	8400	120	60	4	18 × 10 ⁻⁶	0.093
PSL-D-18-C	75	8400	110	60	4	17 × 10 ⁻⁶	0.090
PSL-D-19-C	80	8400	110	60	4	16 × 10 ⁻⁶	0.085
PSL-D-20-C	140	13600	150	80	8	24 × 10 ⁻⁶	0.120
PSL-D-22-C	150	13600	140	80	8	29 × 10 ⁻⁶	0.130
PSL-D-24-C	230	19300	150	80	14	70 × 10 ⁻⁶	0.220
PSL-D-25-C	240	19300	140	80	14	69 × 10 ⁻⁶	0.210
PSL-D-28-C	400	28900	190	110	14	86 × 10 ⁻⁶	0.240
PSL-D-30-C	430	28900	180	100	14	128 × 10 ⁻⁶	0.270
PSL-D-32-C	460	28900	170	100	14	123 × 10 ⁻⁶	0.260
PSL-D-35-C	670	38600	160	90	14	215 × 10 ⁻⁶	0.370
PSL-D-38-C	730	38600	150	90	14	298 × 10 ⁻⁶	0.420
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PSL-D-45-C	1200	52700	140	80	34	609 × 10 ⁻⁶	0.630
PSL-D-48-C	1690	70300	190	110	34	769 × 10 ⁻⁶	0.730
PSL-D-50-C	1760	70300	180	110	34	742 × 10 ⁻⁶	0.710

• The rated torque values are those when the thrust is zero and the rated thrust values are those when the torque is zero.

Dimensions



Unit [mm]							
Model	d	D	P	L	L1	M1	M2
PSL-D-16-C	16	32	24	17	21	4-M4 × 16	2-M4
PSL-D-17-C	17	35	27	21	25	4-M4 × 20	2-M4
PSL-D-18-C	18	35	27	21	25	4-M4 × 20	2-M4
PSL-D-19-C	19	35	27	21	25	4-M4 × 20	2-M4
PSL-D-20-C	20	38	29	21	26	4-M5 × 20	2-M5
PSL-D-22-C	22	40	31	21	26	4-M5 × 20	2-M5
PSL-D-24-C	24	47	36	26	32	4-M6 × 25	2-M6
PSL-D-25-C	25	47	36	26	32	4-M6 × 25	2-M6
PSL-D-28-C	28	50	39	26	32	6-M6 × 25	2-M6
PSL-D-30-C	30	55	43.5	26	32	6-M6 × 25	2-M6
PSL-D-32-C	32	55	43.5	26	32	6-M6 × 25	2-M6
PSL-D-35-C	35	60	47.5	31	37	8-M6 × 30	2-M6
PSL-D-38-C	38	65	52.5	31	37	8-M6 × 30	2-M6
PSL-D-40-C	40	65	52.5	31	37	8-M6 × 30	2-M6
PSL-D-42-C	42	75	60	36	44	6-M8 × 35	2-M8
PSL-D-45-C	45	75	60	36	44	6-M8 × 35	2-M8
PSL-D-48-C	48	80	65	36	44	8-M8 × 35	2-M8
PSL-D-50-C	50	80	65	36	44	8-M8 × 35	2-M8

• L and L1 are dimensions before the POSI-LOCK is mounted.

• The nominal diameter of each bolt and tap is equal to the quantity minus the nominal diameter of the screw threads times the nominal length.

How to Place an Order

PSL-D--C
 Size
 Type (C: Simple antirust specifications)