

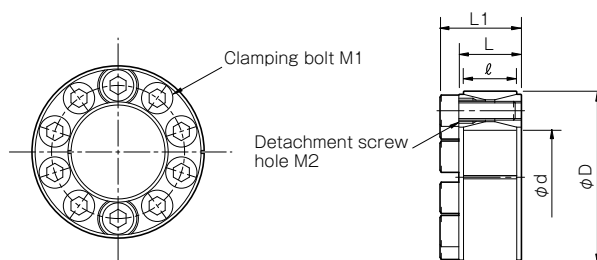
PSL-G - Datasheet

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-G-19	289	30500	250	101	17	$0,70 \times 10^{-4}$	0,22
PSL-G-20	305	30500	238	101	17	$0,70 \times 10^{-4}$	0,21
PSL-G-22	335	30500	216	101	17	$0,69 \times 10^{-4}$	0,2
PSL-G-24	411	34300	223	107	17	$0,89 \times 10^{-4}$	0,23
PSL-G-25	428	34300	214	107	17	$0,88 \times 10^{-4}$	0,22
PSL-G-28	533	38100	212	108	17	$1,28 \times 10^{-4}$	0,26
PSL-G-30	571	38100	198	108	17	$1,25 \times 10^{-4}$	0,25
PSL-G-32	731	45700	223	119	17	$1,80 \times 10^{-4}$	0,3
PSL-G-35	800	45700	204	119	17	$1,74 \times 10^{-4}$	0,28
PSL-G-38	1020	53500	220	129	17	$2,43 \times 10^{-4}$	0,34
PSL-G-40	1070	53500	209	129	17	$2,37 \times 10^{-4}$	0,32
PSL-G-42	1680	80200	253	142	41	$5,26 \times 10^{-4}$	0,56
PSL-G-45	1800	80200	236	142	41	$5,11 \times 10^{-4}$	0,53
PSL-G-48	1920	80200	222	133	41	$6,51 \times 10^{-4}$	0,59
PSL-G-50	2010	80200	213	133	41	$6,36 \times 10^{-4}$	0,56
PSL-G-55	2570	93600	226	146	41	$8,01 \times 10^{-4}$	0,62
PSL-G-60	2810	93600	207	138	41	$9,68 \times 10^{-4}$	0,65
PSL-G-65	3090	95000	194	133	41	$12,8 \times 10^{-4}$	0,77
PSL-G-70	4800	137000	218	138	82	$28,3 \times 10^{-4}$	1,34
PSL-G-75	5160	138000	203	132	82	$32,9 \times 10^{-4}$	1,4
PSL-G-80	5510	138000	190	127	82	$37,9 \times 10^{-4}$	1,46
PSL-G-85	6500	153000	199	135	82	$44,3 \times 10^{-4}$	1,56
PSL-G-90	6880	153000	188	130	82	$50,4 \times 10^{-4}$	1,62
PSL-G-95	7940	167000	195	137	82	$56,6 \times 10^{-4}$	1,67
PSL-G-100	10100	202000	205	142	142	$91,4 \times 10^{-4}$	2,36
PSL-G-110	11100	202000	187	133	142	$113,9 \times 10^{-4}$	2,53
PSL-G-120	13500	225000	190	138	142	$142,7 \times 10^{-4}$	2,74

• 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	L	l	L1	M1	M2	Unit [mm]
PSL-G-19	19	47	20	17	26	8-M6×18	2-M8	
PSL-G-20	20	47	20	17	26	8-M6×18	2-M8	
PSL-G-22	22	47	20	17	26	8-M6×18	2-M8	
PSL-G-24	24	50	20	17	26	8-M6×18	2-M8	
PSL-G-25	25	50	20	17	26	8-M6×18	2-M8	
PSL-G-28	28	55	20	17	26	10-M6×18	2-M8	
PSL-G-30	30	55	20	17	26	10-M6×18	2-M8	
PSL-G-32	32	60	20	17	26	12-M6×18	2-M8	
PSL-G-35	35	60	20	17	26	12-M6×18	2-M8	
PSL-G-38	38	65	20	17	26	14-M6×18	2-M8	
PSL-G-40	40	65	20	17	26	14-M6×18	2-M8	
PSL-G-42	42	75	24	20	32	12-M8×22	2-M10	
PSL-G-45	45	75	24	20	32	12-M8×22	2-M10	
PSL-G-48	48	80	24	20	32	12-M8×22	2-M10	
PSL-G-50	50	80	24	20	32	12-M8×22	2-M10	
PSL-G-55	55	85	24	20	32	14-M8×22	2-M10	
PSL-G-60	60	90	24	20	32	14-M8×22	2-M10	
PSL-G-65	65	95	24	20	32	16-M8×22	3-M10	
PSL-G-70	70	110	28	24	38	14-M10×25	3-M12	
PSL-G-75	75	115	28	24	38	14-M10×25	3-M12	
PSL-G-80	80	120	28	24	38	14-M10×25	3-M12	
PSL-G-85	85	125	28	24	38	16-M10×25	3-M12	
PSL-G-90	90	130	28	24	38	16-M10×25	3-M12	
PSL-G-95	95	135	28	24	38	18-M10×25	3-M12	
PSL-G-100	100	145	33	26	45	14-M12×30	3-M14	
PSL-G-110	110	155	33	26	45	14-M12×30	3-M14	
PSL-G-120	120	165	33	26	45	16-M12×30	3-M14	

• 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.

• Screw hole M2 for removal purpose is indicated with a tool mark for sizes 19 to 60 and indicated by marking the head of the bolt with paint for sizes 65 or more.

How to Place an
Order

PSL-G-
Size

PSL-G-C - Datasheet

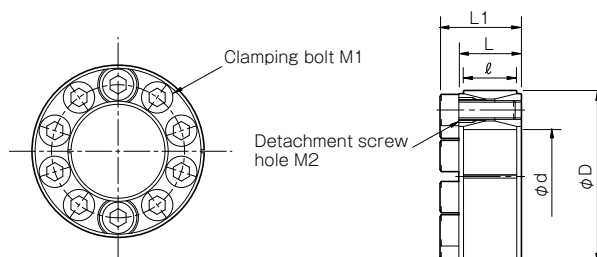
Electroless nickel coat

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-G-19-C	289	30500	250	101	17	0.70×10^{-4}	0.22
PSL-G-20-C	305	30500	238	101	17	0.70×10^{-4}	0.21
PSL-G-22-C	335	30500	216	101	17	0.69×10^{-4}	0.20
PSL-G-24-C	411	34300	223	107	17	0.89×10^{-4}	0.23
PSL-G-25-C	428	34300	214	107	17	0.88×10^{-4}	0.22
PSL-G-28-C	533	38100	212	108	17	1.28×10^{-4}	0.26
PSL-G-30-C	571	38100	198	108	17	1.25×10^{-4}	0.25
PSL-G-32-C	731	45700	223	119	17	1.80×10^{-4}	0.30
PSL-G-35-C	800	45700	204	119	17	1.74×10^{-4}	0.28
PSL-G-38-C	1020	53500	220	129	17	2.43×10^{-4}	0.34
PSL-G-40-C	1070	53500	209	129	17	2.37×10^{-4}	0.32
PSL-G-42-C	1680	80200	253	142	41	5.26×10^{-4}	0.56
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PSL-G-50-C	2010	80200	213	133	41	6.36×10^{-4}	0.56
PSL-G-55-C	2570	93600	226	146	41	8.01×10^{-4}	0.62
PSL-G-60-C	2810	93600	207	138	41	9.68×10^{-4}	0.65

• 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	L	l	L1	M1	M2
PSL-G-19-C	19	47	20	17	26	8-M6×18	2-M8
PSL-G-20-C	20	47	20	17	26	8-M6×18	2-M8
PSL-G-22-C	22	47	20	17	26	8-M6×18	2-M8
PSL-G-24-C	24	50	20	17	26	8-M6×18	2-M8
PSL-G-25-C	25	50	20	17	26	8-M6×18	2-M8
PSL-G-28-C	28	55	20	17	26	10-M6×18	2-M8
PSL-G-30-C	30	55	20	17	26	10-M6×18	2-M8
PSL-G-32-C	32	60	20	17	26	12-M6×18	2-M8
PSL-G-35-C	35	60	20	17	26	12-M6×18	2-M8
PSL-G-38-C	38	65	20	17	26	14-M6×18	2-M8
PSL-G-40-C	40	65	20	17	26	14-M6×18	2-M8
PSL-G-42-C	42	75	24	20	32	12-M8×22	2-M10
PSL-G-45-C	45	75	24	20	32	12-M8×22	2-M10
PSL-G-48-C	48	80	24	20	32	12-M8×22	2-M10
PSL-G-50-C	50	80	24	20	32	12-M8×22	2-M10
PSL-G-55-C	55	85	24	20	32	14-M8×22	2-M10
PSL-G-60-C	60	90	24	20	32	14-M8×22	2-M10

Unit [mm]

• 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-G- -C
 Size
 Type (C: Simple antirust specifications)