

Spring-loaded plunger, Series PSL



Type

not non-rotating

Ambient temperature min./max.

0 ... 80 °C

Weight

See table below

Technical data

Part No.	Type	Spring rate	Spring pre-tensioning	Max. vertical load (static)
0821305171	not non-rotating	0,596 N/mm	1,49 N	550 N
0821305172	not non-rotating	0,323 N/mm	2,75 N	1500 N
0821305173	not non-rotating	0,221 N/mm	3,53 N	3700 N
0821305174	not non-rotating	0,143 N/mm	3,57 N	3700 N
0821305175	not non-rotating	0,097 N/mm	2,92 N	3700 N
0821305176	not non-rotating	0,711 N/mm	6,47 N	2400 N
0821305177	not non-rotating	0,452 N/mm	1,4 N	2400 N
0821305178	not non-rotating	0,262 N/mm	5,38 N	2400 N
0821305179	not non-rotating	3,829 N/mm	25,64 N	4900 N
0821305180	not non-rotating	1,072 N/mm	37,2 N	4900 N

Part No.	Max. horizontal load (static)	Bending moment	Weight	Fig.
0821305171	47 N	0,7 Nm	0,009 kg	Fig. 1
0821305172	97 N	2,2 Nm	0,019 kg	Fig. 1
0821305173	385 N	13,9 Nm	0,08 kg	Fig. 2
0821305174	283 N	13,9 Nm	0,09 kg	Fig. 2
0821305175	173 N	13,9 Nm	0,11 kg	Fig. 2
0821305176	747 N	36,6 Nm	0,145 kg	Fig. 2
0821305177	466 N	36,6 Nm	0,175 kg	Fig. 2
0821305178	340 N	36,6 Nm	0,19 kg	Fig. 2
0821305179	1870 N	99,1 Nm	0,4 kg	Fig. 2
0821305180	800 N	99,1 Nm	0,53 kg	Fig. 2

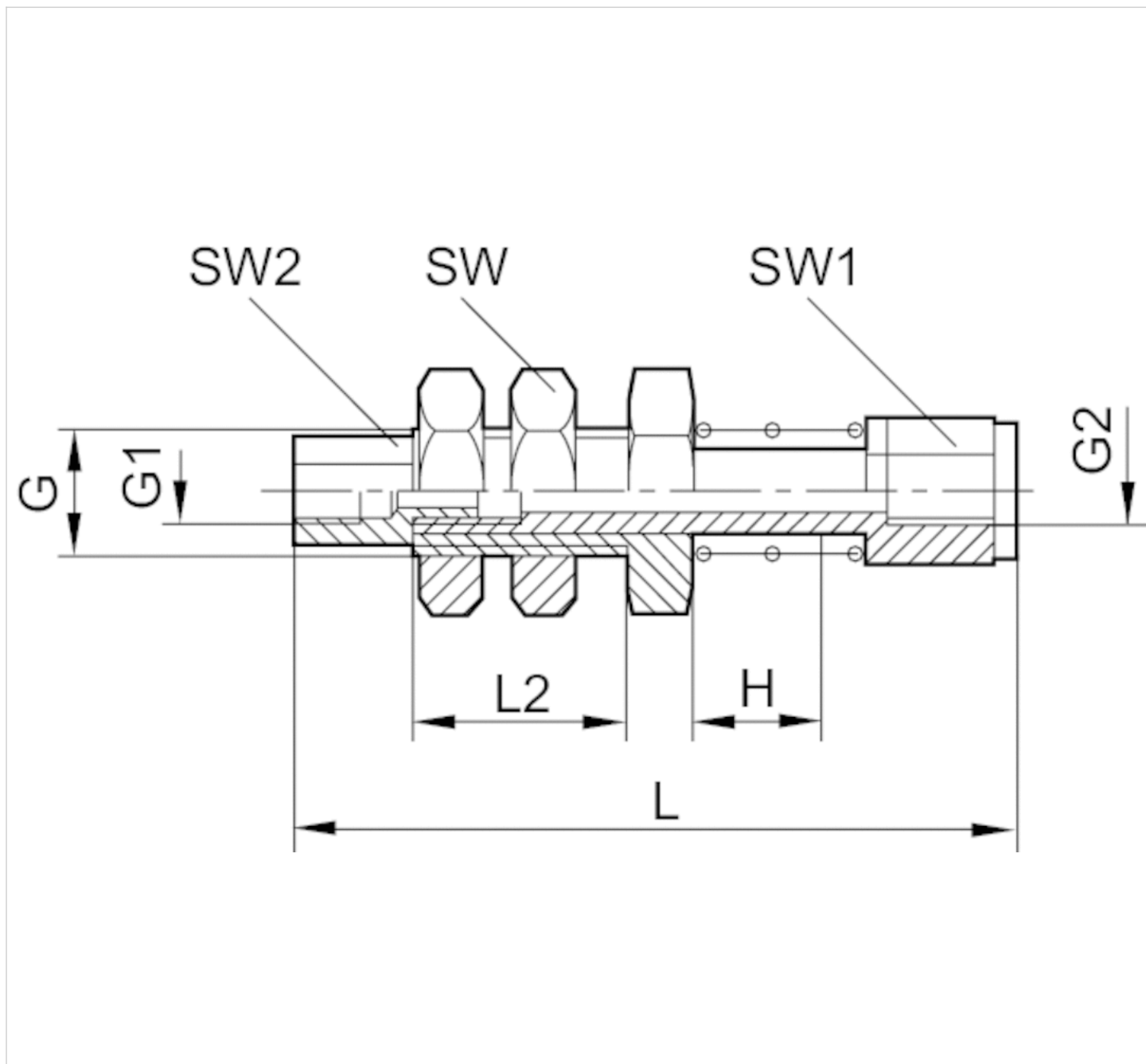
Technical information

Material	
Housing	Steel, galvanized
Guide bushing	Brass
Spring	Steel

Material	
Nut	Steel, galvanized

Dimensions

Fig. 1



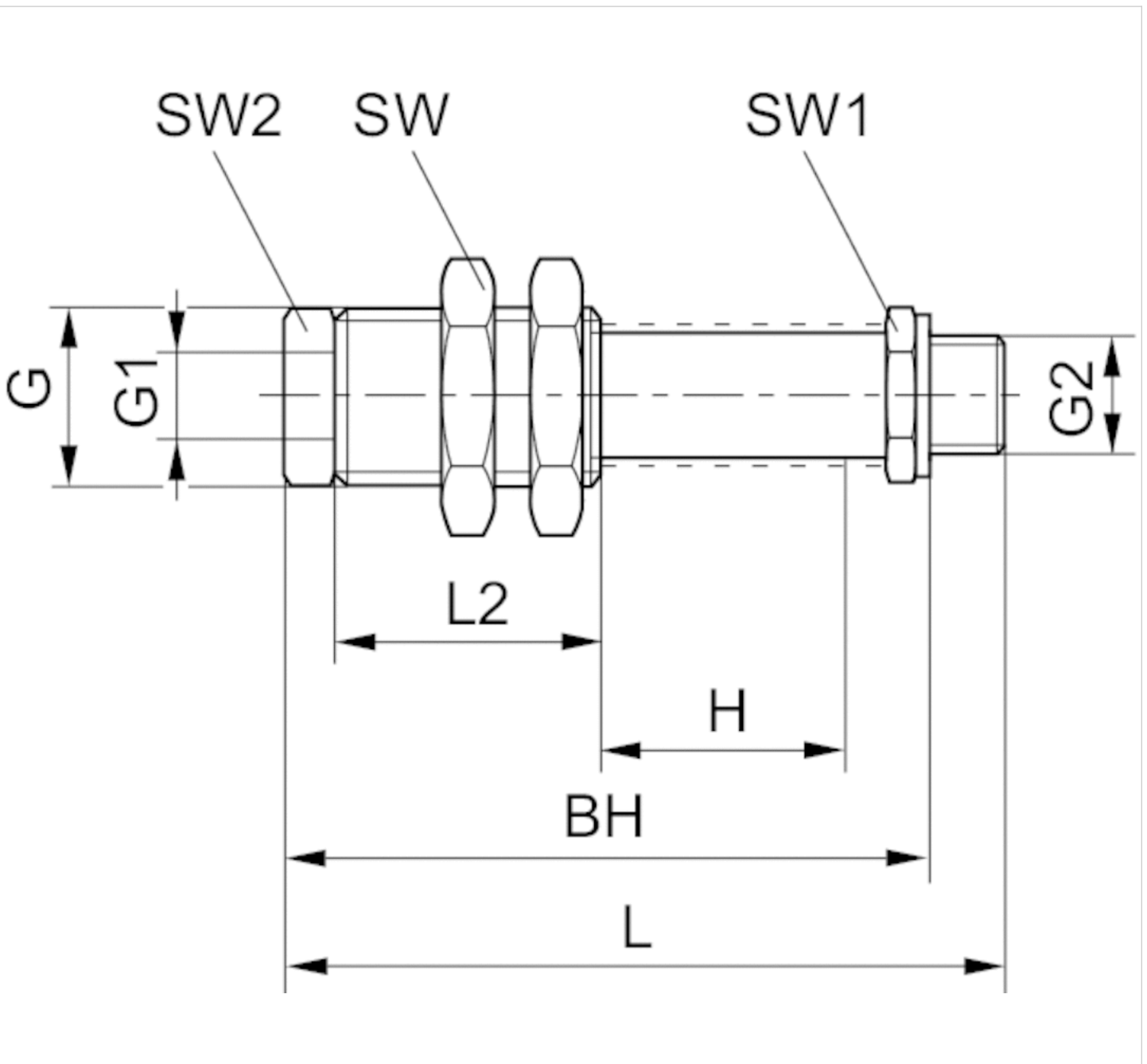
H = stroke

Dimensions

Part No.	G	G1	G2	H	L	L2	SW	SW1	SW2
0821305171	M6x0,75	M3	M3	5	33.5	10	10	7	4.5
0821305172	G 1/8	M5	M5	10	47.2	15	14	7	7

Dimensions

Fig. 2



H = stroke

Dimensions

Part No.	G	G1	G2	H	L	L2	SW	SW1	SW2	BH
0821305173	M16x1	G 1/8	G 1/8	15	80	30	22	14	12	73.5
0821305174	M16x1	G 1/8	G 1/8	25	93	30	22	14	12	86.5
0821305175	M16x1	G 1/8	G 1/8	50	124	30	22	14	12	117.5
0821305176	M20x1,5	G 1/8	G 1/4	25	94.5	40	24	17	17	86
0821305177	M20x1,5	G 1/8	G 1/4	50	124	40	24	17	17	115.5
0821305178	M20x1,5	G 1/8	G 1/4	75	153.5	40	24	17	17	145

Part No.	G	G1	G2	H	L	L2	SW	SW1	SW2	BH
0821305179	M30x1,5	G 3/8	G 1/2	25	116	55	36	24	24	105.3
0821305180	M30x1,5	G 3/8	G 1/2	75	187	55	36	24	24	176.5

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