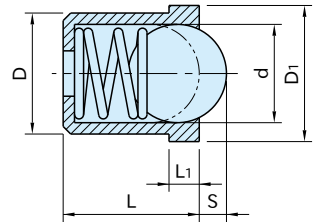


SBP / SBPJ / SBPH / SBPHJ PRESS-FIT BALL PLUNGERS



Type	Body	Spring	Ball
SBP	SUS303 stainless steel	SUS302WPA stainless steel	SUS420 stainless steel
SBPH			SUS420 stainless steel
SBPJ			Polyacetal plastic
SBPHJ			Polyacetal plastic

SBP SBPJ (Light-duty)

Stainless-Steel Ball		Plastic Ball		D ($^{+0.08}$ 0)	D ₁	d	L	S		L ₁	Force (N) Initial - Final
Part Number	Weight (g)	Part Number	Weight (g)					SBP	SBPJ		
SBP 2	0.1	-	-	2	2.5	1.5	3	0.4	-	0.6	1.2 - 2.5
SBP 3	0.2	-	-	3	3.5	2.5	4	0.65	-	0.8	1.7 - 3.4
SBP 4	0.3	SBPJ 4	0.3	4	4.6	3	5	0.8	0.6	1	3 - 7
SBP 5	0.6	SBPJ 5	0.6	5	5.6	4	6	1	0.8		4 - 7
SBP 6	1	SBPJ 6	1	6	6.5	5	7	1.5	1.3		6 - 12
SBP 8	2	SBPJ 8	2	8	8.5	6.5	9	1.8	1.6	2.5	10 - 20
SBP10	6	SBPJ10	6	10	12	8	13.5	2.7	2.6		15 - 25
SBP12	10	SBPJ12	10	12	14	10	16	3.5	3.3		

SBPH SBPHJ (Heavy-duty)

Stainless-Steel Ball		Plastic Ball		D ($^{+0.08}$ 0)	D ₁	d	L	S		L ₁	Force (N) Initial - Final
Part Number	Weight (g)	Part Number	Weight (g)					SBPH	SBPHJ		
SBPH 4	0.7	SBPHJ 4	0.6	4	4.6	3	9	0.8	0.6	1	12 - 22
SBPH 5	1.3	SBPHJ 5	1.2	5	5.6	4	12	1	0.8		19 - 30
SBPH 6	2.1	SBPHJ 6	1.7	6	6.5	5	14	1.5	1.3		22 - 40
SBPH 8	4.7	SBPHJ 8	4.1	8	8.5	6	16	1.8	1.6	2.5	42 - 73
SBPH10	9.9	SBPHJ10	8.4	10	12	8	22	2.7	2.6		54 - 100
SBPH12	15.2	SBPHJ12	12.4	12	14	10	24	3.5	3.3		54 - 122

Note

- It is recommended that these plungers be gummed up if they can come off.
- Tolerance of mounting holes
SBP|SBPJ|SBPH|SBPHJ : +0.08 / +0.13

Technical information

Heat resistance SBP|SBPH 120°C
SBPJ|SBPHJ 80°C