

MECHANICAL PARTS

PNF PNFS Mini Ball Plunger

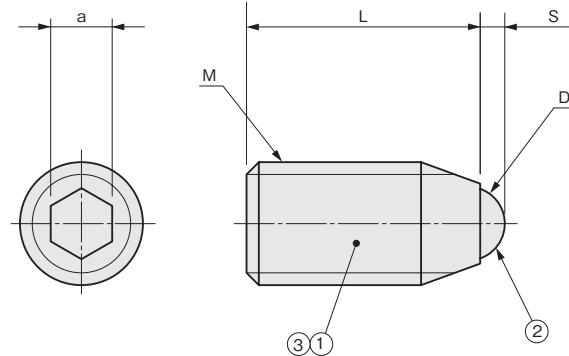


Characteristic

A steel plunger and a stainless steel plunger are both standardized.
A simple positioning will be achieved instantly.

Application

Machine tools / Jigs and tools /
Various kinds of metal molds /
Testing devices, etc.

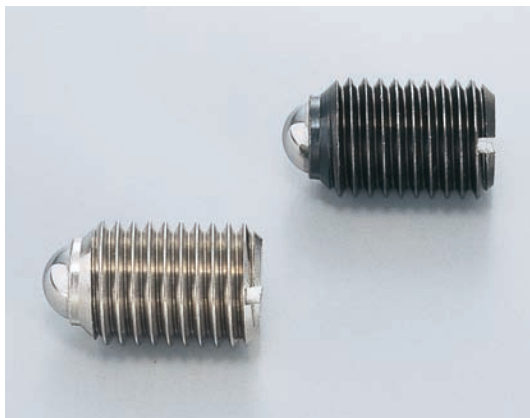


Parts List

No.	Part Name	Material		Finish	Quantity
		PNF	PNFS		
1	Main Body	SUS304		—	1
2	Ball	SUJ	SUS440		1
3	Spring	SWPB	SUS631		1

PNF				PNFS				Size Applied for Both					Usable
Model No.	Load N(kgf) min/max	Net Weight (g)	Code No.	Model No.	Load N(kgf) min/max	Net Weight (g)	Code No.	M	L	S	D	a	Ball Button
PNF-3	2.3/4 (0.23/0.41)	0.3	7693	PNFS-3	1.4/2.8 (0.14/0.29)	0.3	7699	M3	7	0.4	φ1.5	1.5	——
PNF-4	3/8.9 (0.31/0.91)	0.6	7694	PNFS-4	3.5/6.1 (0.36/0.62)	0.6	7700	M4	9	0.7	φ2.5	2	BB-4
PNF-5	8/13 (0.82/1.33)	0.9	7695	PNFS-5	5.7/9.6 (0.58/0.98)	0.9	7701	M5	12	0.9	φ3	2.5	BB-5
PNF-6	11/16 (1.12/1.63)	1.5	7696	PNFS-6	6.9/13 (0.70/1.33)	1.5	7702	M6	14	1.0	φ3.5	3	BB-6
PNF-8	17/30 (1.73/3.06)	3.5	7697	PNFS-8	9.5/16 (0.97/1.63)	3.5	7703	M8	16	1.5	φ5	4	BB-8
PNF-10	23/45 (2.34/4.59)	7.0	7698	PNFS-10	16/28 (1.63/2.85)	7.0	7704	M10	19	2.0	φ6	5	BB-10

PBF PBF-KN Mini Ball Plunger

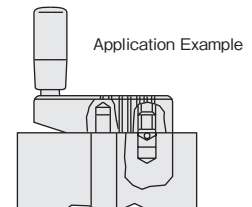
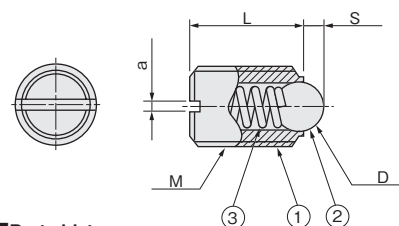


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No.	Part Name	PBF		PBF-KN	
		Material	Finish	Material	Finish
1	Body	SUM22L	Bonderizing (Black)	SUS303	—
2	Ball	SUJ2	Hardening (Hardness HRC60~66)	SUS440C	Hardening (Hardness HRC54~60)
3	Spring	SUS631J1	—	SUS631J1	—

Steel and stainless steel made are available for heavy load use.

PBF (Steel)		PBF-KN (Stainless Steel)		Size Applied for Both							
Model No.	Code No.	Model No.	Code No.	M	L	S	D	a	Usable Ball Button	Load N (kgf) min/max	Net Weight (g)
PBF-3	4359	PBF-3-KN	4369	M3	7	0.4	φ1.5	0.4	—	3/ 4.5 (0.31/0.46)	0.3
PBF-4	4360	PBF-4-KN	4370	M4	9	0.8	φ2.5	0.6	BB-4	6/ 14.5 (0.61/1.48)	0.6
PBF-5	4361	PBF-5-KN	4371	M5	12	0.9	φ3.0	0.8	BB-5	8/ 14 (0.82/1.43)	0.9
PBF-6	4362	PBF-6-KN	4372	M6	14	1.0	φ3.5	1.0	BB-6	11/ 18 (1.12/1.83)	1.5
PBF-8	4363	PBF-8-KN	4373	M8	16	1.5	φ4.5	1.2	BB-8	18/ 31 (1.83/3.16)	3.5
PBF-10	4364	PBF-10-KN	4374	M10	19	2.0	φ6.0	1.5	BB-10	24/ 45 (2.45/4.59)	7.0
PBF-12	4365	PBF-12-KN	4375	M12	22	2.5	φ8.0	2.0	BB-12	26/ 49 (2.65/4.99)	10.0
PBF-16	4366	PBF-16-KN	4376	M16	24	3.5	φ10.0		BB-16	41/ 86 (4.18/8.77)	24.0
PBF-20	4367	PBF-20-KN	4377	M20	30	4.5	φ12.0	2.5	—	56/111 (5.71/11.3)	43.0
PBF-24	4368	PBF-24-KN	4378	M24	34	5.5	φ15.0	3.0		81/151 (8.26/15.4)	70.0