



- Cost-effective ball plunger.
- Light load, heavy load and super heavy load types with and without vibration resistant treatment are available.
- We also produce products of special specifications, e.g. dimensions, load and materials. → P.xxxx
- Load types and with / without vibration resistant treatment can be selected by a product code.

Product Code	Load Type	Vibration resistant treatment
PAF-L	Light Load	No
PAF-L-P	Light Load	Yes
PAF-M	Heavy load	No
PAF-M-P	Heavy load	Yes
PAF-H	Super heavy load	No
PAF-H-P	Super heavy load	Yes



PAF-L | PAF-L-P Light Load | PAF-M | PAF-M-P Heavy Load

Part Number	M (Coarse)		s	L	D	B	Applicable ball button BB	Load (N) min./max.	Mass (g)	Loosening stopper
	Nominal of Thread	Pitch								
PAF-3-L	M3	0.5	0.5	6	1.5	1.5		1 / 2	0.4	No
PAF-4-L	M4	0.7	0.8	8	2.5	2	BB-5	2 / 4.9	0.4	No
PAF-5-L	M5	0.8	0.8	11	3	2.5	BB-5	2.9 / 9.8	0.9	No
PAF-6-L	M6	1	0.8	12	3	3	BB-6	4.9 / 15	1.5	No
PAF-8-L	M8	1.25	1	14	4	4	BB-6	6.9 / 20	3.2	No
PAF-10-L	M10	1.5	1.2	15	5	5	BB-8	8.8 / 25	5.4	No
PAF-12-L	M12	1.75	1.8	19	7.1	6	BB-10	9.8 / 29	10	No
PAF-16-L	M16	2	2.5	24	9.5	8	BB-12	16 / 49	24	No
PAF-3-L-P	M3	0.5	0.5	6	1.5	1.5		1 / 2	0.4	Yes
PAF-4-L-P	M4	0.7	0.8	8	2.5	2	BB-5	2 / 4.9	0.4	Yes
PAF-5-L-P	M5	0.8	0.8	11	3	2.5	BB-5	2.9 / 9.8	0.9	Yes
PAF-6-L-P	M6	1	0.8	12	3	3	BB-6	4.9 / 15	1.5	Yes
PAF-8-L-P	M8	1.25	1	14	4	4	BB-6	6.9 / 20	3.2	Yes
PAF-10-L-P	M10	1.5	1.2	15	5	5	BB-8	8.8 / 25	5.4	Yes
PAF-12-L-P	M12	1.75	1.8	19	7.1	6	BB-10	9.8 / 29	10	Yes
PAF-16-L-P	M16	2	2.5	24	9.5	8	BB-12	16 / 49	24	Yes
PAF-3-M	M3	0.5	0.5	6	1.5	1.5		1.5 / 2.9	0.4	No
PAF-4-M	M4	0.7	0.8	8	2.5	2	BB-5	3.9 / 9.8	0.4	No
PAF-5-M	M5	0.8	0.8	11	3	2.5	BB-5	4.9 / 20	0.9	No
PAF-6-M	M6	1	0.8	12	3	3	BB-6	9.8 / 29	1.5	No
PAF-8-M	M8	1.25	1	14	4	4	BB-6	13 / 39	3.2	No
PAF-10-M	M10	1.5	1.2	15	5	5	BB-8	19 / 49	5.4	No
PAF-12-M	M12	1.75	1.8	19	7.1	6	BB-10	20 / 59	10	No
PAF-16-M	M16	2	2.5	24	9.5	8	BB-12	29 / 98	24	No
PAF-3-M-P	M3	0.5	0.5	6	1.5	1.5		1.5 / 2.9	0.4	Yes
PAF-4-M-P	M4	0.7	0.8	8	2.5	2	BB-5	3.9 / 9.8	0.4	Yes
PAF-5-M-P	M5	0.8	0.8	11	3	2.5	BB-5	4.9 / 20	0.9	Yes
PAF-6-M-P	M6	1	0.8	12	3	3	BB-6	9.8 / 29	1.5	Yes
PAF-8-M-P	M8	1.25	1	14	4	4	BB-6	13 / 39	3.2	Yes
PAF-10-M-P	M10	1.5	1.2	15	5	5	BB-8	19 / 49	5.4	Yes
PAF-12-M-P	M12	1.75	1.8	19	7.1	6	BB-10	20 / 59	10	Yes
PAF-16-M-P	M16	2	2.5	24	9.5	8	BB-12	29 / 98	24	Yes

Cleanroom Wash & Packaging → P.xxxx	Vibration Resistant → P.xxxx	Laser Marking → P.xxxx
Not Available	Available / Add'l charge	Not Available

● Material/Finish

	PAF-L	PAF-L-P	PAF-M	PAF-M-P	PAF-H	PAF-H-P
Main body	SCM435 Ferroferric Oxide Film (Black)	SCM435 Ferroferric Oxide Film (Black)	SCM435 Ferroferric Oxide Film (Black)	SCM435 Ferroferric Oxide Film (Black)	SCM435*1 Trivalent Chromate Treatment	SCM435*1 Trivalent Chromate Treatment
Ball	SUJ2 (hardness: 55 - 60 HRC)	SUJ2 (hardness: 55 - 60 HRC)	SUJ2*1 (hardness: 55 - 60 HRC) Ferroferric Oxide Film	SUJ2*1 (hardness: 55 - 60 HRC) Ferroferric Oxide Film	SUJ2 (hardness: 55 - 60 HRC)	SUJ2 (hardness: 55 - 60 HRC)
Spring	SWPB	SWPB	SWPB	SWPB	SWPB	SWPB
Vibration resistant treatment		Nylon adhesion (Nylon 11)		Nylon adhesion (Nylon 11)		Nylon adhesion (Nylon 11)

*1 : Load types can be selected by the surface treatment of the main body and ball.

PAF-H | PAF-H-P Super Heavy Load

Part Number	M (Coarse)		s	L	D	B	Applicable ball button BB	Load (N) min./max.	Mass (g)	Loosening stopper
	Nominal of Thread	Pitch								
PAF-3-H	M3	0.5	0.5	6	1.5	1.5		2.2 / 5	0.4	No
PAF-4-H	M4	0.7	0.8	8	2.5	2	BB-5	2.5 / 12.5	0.4	No
PAF-5-H	M5	0.8	0.8	11	3	2.5	BB-5	11.2 / 24.1	0.9	No
PAF-6-H	M6	1	0.8	12	3	3	BB-6	17.7 / 33.4	1.5	No
PAF-8-H	M8	1.25	1	14	4	4	BB-6	21.4 / 45.3	3.2	No
PAF-10-H	M10	1.5	1.2	15	5	5	BB-8	23.5 / 60	5.4	No
PAF-12-H	M12	1.75	1.8	19	7.1	6	BB-10	24.1 / 63.7	10	No
PAF-16-H	M16	2	2.5	24	9.5	8	BB-12	43.6 / 116.3	24	No
PAF-3-H-P	M3	0.5	0.5	6	1.5	1.5		2.2 / 5	0.4	Yes
PAF-4-H-P	M4	0.7	0.8	8	2.5	2	BB-5	2.5 / 12.5	0.4	Yes
PAF-5-H-P	M5	0.8	0.8	11	3	2.5	BB-5	11.2 / 24.1	0.9	Yes
PAF-6-H-P	M6	1	0.8	12	3	3	BB-6	17.7 / 33.4	1.5	Yes
PAF-8-H-P	M8	1.25	1	14	4	4	BB-6	21.4 / 45.3	3.2	Yes
PAF-10-H-P	M10	1.5	1.2	15	5	5	BB-8	23.5 / 60	5.4	Yes
PAF-12-H-P	M12	1.75	1.8	19	7.1	6	BB-10	24.1 / 63.7	10	Yes
PAF-16-H-P	M16	2	2.5	24	9.5	8	BB-12	43.6 / 116.3	24	Yes

● Related Products

Use a ball button **BB** with excellent abrasion resistance on the recipient.



● Part number specification

PAF-4-H-P

