



PSP Light Load PSP-S Heavy Load PSP-Z Super Heavy Load

Part Number	M (Coarse)		s	L	L1	D	a	B	Applicable Ball Button BB	Applicable Wrench*1 PPW	Load (N) Min./Max.	Mass (g)	Anti-Loosening
	Nominal of Thread	Pitch											
PSP-3-1.5	M3	0.5	1.5	10		1.1	0.5	0.9	BB-4		0.49 / 1	0.3	No
PSP-3-3	M3	0.5	3	15		1.1	0.5	0.9	BB-4		0.29 / 1	0.6	No
PSP-4-2	M4	0.7	2	15		1.6	0.7	1.3	BB-4		1 / 2	0.7	No
PSP-4-4	M4	0.7	4	24		1.6	0.7	1.3	BB-4		0.59 / 2	1.6	No
PSP-5B-3	M5	0.8	3	13		2	1.2	1.5	BB-5	PPW-5	1 / 7.8	1.2	Yes
PSP-5-3	M5	0.8	3	20		2	1.2	1.5	BB-5	PPW-5	2 / 9.8	2	Yes
PSP-5-5	M5	0.8	5	27		2	1.2	1.5	BB-5	PPW-5	2 / 9.8	3	Yes
PSP-6-3	M6	1	3	25		2.5	1.6	2	BB-6	PPW-6	2.9 / 9.8	3	Yes
PSP-6-5	M6	1	5	30		2.5	1.6	2	BB-6	PPW-6	2 / 9.8	4	Yes
PSP-8-3	M8	1.25	3	25		3.1	2.2	2.5	BB-8	PPW-8	5.9 / 9.8	6	Yes
PSP-8-4	M8	1.25	4	25		3.1	2.2	2.5	BB-8	PPW-8	2.9 / 9.8	6	Yes
PSP-8-5	M8	1.25	5	27		3.1	2.2	2.5	BB-8	PPW-8	2 / 9.8	9	Yes
PSP-10-5	M10	1.5	5	30		3.8	2.2	3	BB-8	PPW-10	2.9 / 15	11	Yes
PSP-12-5	M12	1.75	5	30		5.5	2.5	4	BB-10	PPW-12	2 / 9.8	15	Yes
PSP-3-1.5-S	M3	0.5	1.5	10		1.1	0.5	0.9	BB-4		0.49 / 2.9	0.3	No
PSP-3-3-S	M3	0.5	3	15		1.1	0.5	0.9	BB-4		0.78 / 2.9	0.6	No
PSP-4B-2-S	M4	0.7	2	12		1.6	0.7	1.3	BB-4		2 / 9.8	0.7	No
PSP-4-2-S	M4	0.7	2	15		1.6	0.7	1.3	BB-4		2.9 / 8.8	0.7	No
PSP-4-4-S	M4	0.7	4	24		1.6	0.7	1.3	BB-4		2 / 8.8	1.6	No
PSP-5-3-S	M5	0.8	3	20		2	1.2	1.5	BB-5	PPW-5	3.9 / 20	2	Yes
PSP-5-5-S	M5	0.8	5	27		2	1.2	1.5	BB-5	PPW-5	2.9 / 19.6	3	Yes
PSP-6-3-S	M6	1	3	25		2.5	1.6	2	BB-6	PPW-6	7.8 / 25	3	Yes
PSP-6-5-S	M6	1	5	30		2.5	1.6	2	BB-6	PPW-6	4.9 / 29.4	4	Yes
PSP-8-3-S	M8	1.25	3	25		3.1	2.2	2.5	BB-8	PPW-8	14.7 / 29.4	6	Yes
PSP-8-4-S	M8	1.25	4	25		3.1	2.2	2.5	BB-8	PPW-8	7.8 / 29	6	Yes
PSP-8-5-S	M8	1.25	5	27		3.1	2.2	2.5	BB-8	PPW-8	7.8 / 29.4	9	Yes
PSP-10-5-S	M10	1.5	5	30		3.8	2.2	3	BB-8	PPW-10	9.8 / 49	11	Yes
PSP-12-5-S	M12	1.75	5	30		5.5	2.5	4	BB-10	PPW-12	9.8 / 49	15	Yes
PSP-8-3-Z	M8	1.25	3	27	27	3.1	2.2	2.5	BB-8	PPW-8	35.3 / 41.2	7	Yes
PSP-8-5-Z	M8	1.25	5	35	30	3.1	2.2	2.5	BB-8	PPW-8	14.7 / 41.2	10	Yes
PSP-10-5-Z	M10	1.5	5	35	30	3.8	2.2	3	BB-8	PPW-10	15.7 / 62.8	11	Yes
PSP-12-5-Z	M12	1.75	5	43	35	5.5	2.5	4	BB-10	PPW-12	37.2 / 98.1	21	Yes

*1: Use a slotted screwdriver with PSP-3 PSP-4B PSP-4.

Cleanroom Wash & Packaging → P.xxxx	Vibration Resistant → P.xxxx	Laser Marking → P.xxxx
Please feel free to contact us	with Vibration Resistant Treatment	Not Available

- Coated with a sealed microcapsule containing loosening-prevention agent (excluding M3/M4).
- PSP-N has a plastic pin. Workpiece damage can be avoided.
- We also produce products of special specifications, e.g. dimensions, load and materials. → P.xxxx
- Pin materials and load types can be selected by a product code.

Product Code	Pin Material	Load Type
PSP	Steel	Light Load
PSP-N	Plastic	Light Load
PSP-S	Steel	Heavy Load
PSP-Z	Steel	Super Heavy Load

Material/Finish

	PSP	PSP-N	PSP-S	PSP-Z
Main Body	Equivalent to SCM435 Ferroferric Oxide Film (Black)	Equivalent to SCM435 Ferroferric Oxide Film (Black)	Equivalent to SCM435 Ferroferric Oxide Film (Black)	Equivalent to SCM435 Nickel Plating
Hex Socket Set Screw	Steel Ferroferric Oxide Film (Black)	Steel Ferroferric Oxide Film (Black)	Steel Ferroferric Oxide Film (Black)	Steel Ferroferric Oxide Film (Black)
Pin	Steel (Hardness: 57 - 63 HRC) Trivalent Chromate Treatment*1	Polyacetal (White)	Steel (Hardness: 57 - 63 HRC) Ferroferric Oxide Film (Black)	Steel (Hardness: 57 - 63 HRC) Ferroferric Oxide Film (Black)
Spring	SWPB	SWPB	SWPB	SWPB
Anti-Loosening	Epoxy Resin Microcapsule	Epoxy Resin Microcapsule	Epoxy Resin Microcapsule	Epoxy Resin Microcapsule

*1: PSP-3 PSP-4 PSP-5 pin surface treatment has electroless nickel plating. Only PSP-5B-3 is treated with trivalent chromate.

PSP-N Light Load

Part Number	M (Coarse)		s	L	D	a	B	Applicable Ball Button BB	Applicable Wrench PPW	Load (N) Min./Max.	Mass (g)	Anti-Loosening
	Nominal of Thread	Pitch										
PSP-5-3-N	M5	0.8	3	20	2	1.2	1.5	BB-5	PPW-5	2 / 9.8	2	Yes
PSP-5-5-N	M5	0.8	5	27	2	1.2	1.5	BB-5	PPW-5	2 / 9.8	3	Yes
PSP-6-3-N	M6	1	3	25	2.5	1.6	2	BB-6	PPW-6	5.9 / 9.8	3	Yes
PSP-6-5-N	M6	1	5	30	2.5	1.6	2	BB-6	PPW-6	2 / 9.8	4	Yes
PSP-8-3-N	M8	1.25	3	25	3.1	2.2	2.5	BB-8	PPW-8	5.9 / 9.8	6	Yes
PSP-8-5-N	M8	1.25	5	27	3.1	2.2	2.5	BB-8	PPW-8	2.9 / 9.8	9	Yes
PSP-10-5-N	M10	1.5	5	30	3.8	2.2	3	BB-8	PPW-10	5.9 / 14.7	11	Yes
PSP-12-5-N	M12	1.75	5	30	5.5	2.5	4	BB-10	PPW-12	5.9 / 14.7	15	Yes

Precautions for Use

Install and remove from the pin side by using the plunger wrench PPW.
If a hex socket is used, the hex socket set screw attached to the main body may detach.

Related Products

A dedicated plunger wrench PPW for mounting or removal from the pin side is available.



- Part number specification

PSP-5-5-S