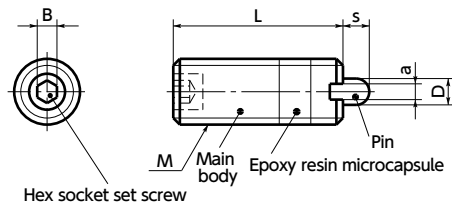
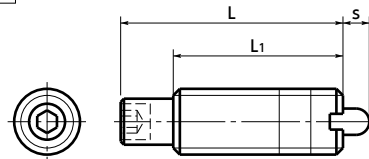


PSP
PSP-N
PSP-S



PSP-Z



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 → P.xxxx	Applicable Wrench*1 PPW → P.xxxx	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	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	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	3.8	2.2	3	BB-8	PPW-10		15.7 / 62.8	11	Yes
PSP-12-5-Z	M12	1.75	5	43	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

RoHS2 Compliant

	PSP	PSP-N	PSP-S	PSP-Z
Main Body	SCM435 Ferroferric Oxide Film (Black)	SCM435 Ferroferric Oxide Film (Black)	SCM435 Ferroferric Oxide Film (Black)	SCM435 Electroless Nickel Plating
Hex Socket Set Screw	Equivalent to SCM435 Ferroferric Oxide Film (Black)	Equivalent to SCM435 Ferroferric Oxide Film (Black)	Equivalent to SCM435 Ferroferric Oxide Film (Black)	Equivalent to SCM435 Ferroferric Oxide Film (Black)
Pin	S45C (Hardness: 57 - 63 HRC) Trivalent Chromate Treatment	Polyacetal (White)	S45C (Hardness: 57 - 63 HRC) Ferroferric Oxide Film (Black)	S45C (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

PSP-N Light Load

Unit : mm

Part Number	M (Coarse)		s	L	D	a	B	Applicable Ball Button BB → P.xxxx	Applicable Wrench PPW → P.xxxx	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

Short stroke plunger made of stainless steel [PSPS] is available.
→ P.xxxx



A dedicated plunger wrench [PPW] for mounting or removal from the pin side is available.
→ P.xxxx



- Part number specification

PSP-5-5-S

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