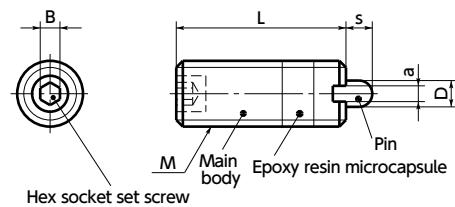


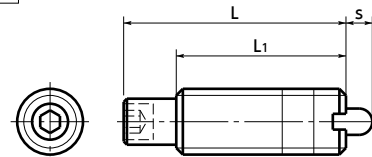
PSP

PSP-N

PSP-S



PSP-Z



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

| Part Number | M (Coarse) | Nominal of Thread | Pitch | s  | L   | L1  | D   | a     | B | Applicable Ball Button | Applicable Wrench*1 | Load (N) Min./Max. | Mass (g) | Anti-Loosening |
|-------------|------------|-------------------|-------|----|-----|-----|-----|-------|---|------------------------|---------------------|--------------------|----------|----------------|
| Steel Pin   |            |                   |       |    |     |     |     |       |   | BB                     | PPW                 |                    |          |                |
| 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

|                      | PSP                                                             | PSP-N                                                    | PSP-S                                                             | PSP-Z                                                             |
|----------------------|-----------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|
| Main Body            | Equivalent to SCM435<br>Ferrosoferric Oxide Film (Black)        | Equivalent to SCM435<br>Ferrosoferric Oxide Film (Black) | Equivalent to SCM435<br>Ferrosoferric Oxide Film (Black)          | Equivalent to SCM435<br>Nickel Plating                            |
| Hex Socket Set Screw | Steel<br>Ferrosoferric Oxide Film (Black)                       | Steel<br>Ferrosoferric Oxide Film (Black)                | Steel<br>Ferrosoferric Oxide Film (Black)                         | Steel<br>Ferrosoferric Oxide Film (Black)                         |
| Pin                  | Steel (Hardness: 57 - 63 HRC)<br>Trivalent Chromate Treatment*1 | Polyacetal (White)                                       | Steel (Hardness: 57 - 63 HRC)<br>Ferrosoferric Oxide Film (Black) | Steel (Hardness: 57 - 63 HRC)<br>Ferrosoferric 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.

#### PSP-N Light Load

| Part Number | M (Coarse) | Nominal of Thread | Pitch | s  | L   | D   | a   | B     | Applicable Ball Button | Applicable Wrench | Load (N) Min./Max. | Mass (g) | Anti-Loosening |
|-------------|------------|-------------------|-------|----|-----|-----|-----|-------|------------------------|-------------------|--------------------|----------|----------------|
| Plastic Pin |            |                   |       |    |     |     |     |       | BB                     | PPW               |                    |          |                |
| 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

1