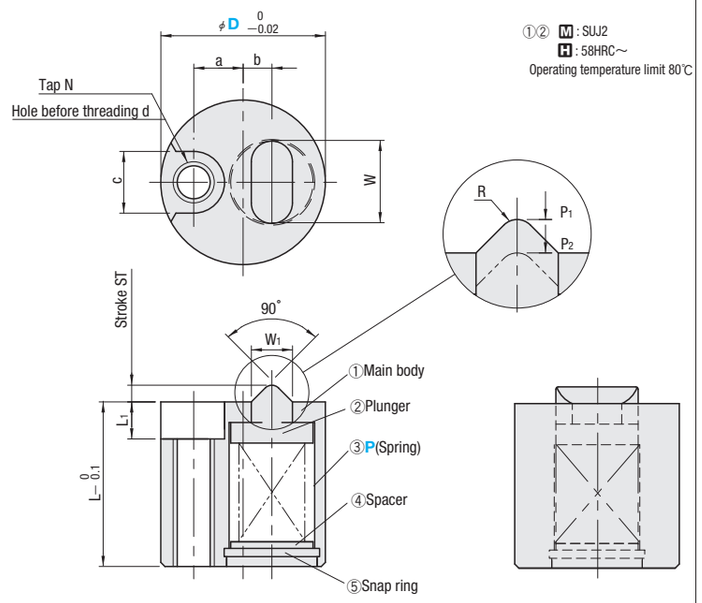
# SLIDE LOCKS

RoHS

## SLLK

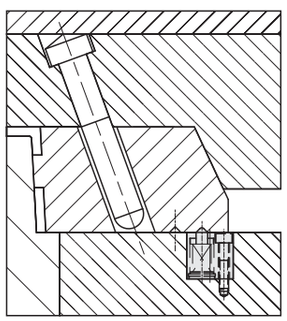



| Load (N) | | ST | L | $L_1$ | a | b | c | d | Bolt size | Tap N | W | $W_1$ | R | Part Number | | P (Spring) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $P_1$ [min.] | $P_2$ [max.] | | | | | | | | | | | | | Type | D | |
| 22.5 | 28.6 | 1.6 | 15 | 3.3 | 5 | 2.5 | 6 | 3.2 | M3 | M4 | 8 | 4 | 1 | SLLK | 16 | C(SWC8—15) |
| 62.0 | 78.8 | | | | | | | | | | | | | | | F(SWF8—15) |
| 36.7 | 62.9 | 2 | 20 | 4.5 | 6 | 3.5 | 7.5 | 4.3 | M4 | M5 | 10 | 5 | 1.1 | | 20 | F(SWF10—15) |
| 64.1 | 110 | | | | | | | | | | | | | | | L(SWL10—15) |

Order — Part Number: SLLK20 — P: L

Days to Ship: Quotation

Price: Quotation



**■Features** **This stopper has been developed for a heavy slide core.**

- Prevention of damage to the slide core
  A face contact type plunger is used, reducing the face pressure. The resulting structure prevents the core structure from being easily damaged.
- Heavy slides can be locked.

**■Precautions**

Note that too strong lock load may cause the seizure to the angular pin and the angular cam.
Examples of Countermeasures are as follows:
①Increase the rigidity of the angular pin and angular cam. (Increase the diameter. Reduce the overall length. )
②Reduce the sliding friction. (Chamfering, lubrication)
③Change to a low-load type slide lock.





# BALL PLUNGERS

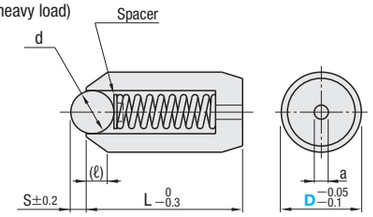
—PLAIN TYPE／HEAD TYPE—

Non JIS material definition is listed on P.1351 - 1352

**■Plain type**

RoHS

## BSZP (Stainless steel for heavy load)



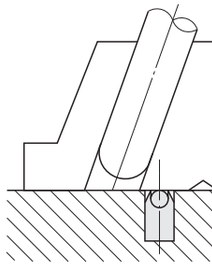

| Main body | Ball | Spring | Spacer | Possible temperature of use |
|---|---|---|---|---|
| M SUS304 (equivalent) | M SUS440C<br>H 55HRC～ | M SUS631J1 | M SUS304 | −30℃～260℃ |

| d | S | L | (ℓ) | a | Load (N) min. | Load (N) max. | Part Number Type | Part Number D |
|---|---|---|---|---|---|---|---|---|
| 3.0 | 0.8 | 10 | 2.2 | 1.0 | 4.9 | 19.6 | BSZP | 5 |
| | | 11 | 2.8 | | 9.8 | 29.4 | | 6 |
| 4.0 | 1.0 | 13 | 3.7 | 1.5 | 12.7 | 39.2 | | 8 |
| 5.0 | 1.2 | | 4.7 | 2.0 | 18.6 | 49.0 | | 10 |
| 7.0 | 1.8 | 17 | | 3.0 | 19.6 | 58.8 | | 12 |

Load values min." indicate an initial load, and max.", a load when the ball is fully sunk. kgf=N×0.101972

Example

With slide closed



With slide open

**■Characteristics**

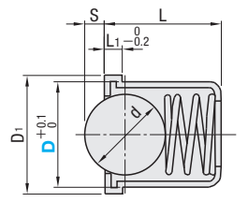
Since it requires no tapping, the process would be simpler.

**■Notes**

- Measure the L dimension and adjust the counterbore depth of installation hole.
- Installation should be done by inserting into the hole and attach with adhesive. (Do not press-fit because caulking section will be deformed and cause operation failure.)

**■Head type**

## BSJT(Stainless steel for light load)




| Main body | Ball | Spring | Possible temperature of use |
|---|---|---|---|
| M SUS305 (equivalent) | M Bearing steel (SUJ equivalent)<br>H 55HRC～ | M SUS301 | −30℃～250℃ |

| d | S | L | $L_1$ | $D_1$ | $D_1$ tolerance | Load (N) min. | Load (N) max. | Part Number Type | Part Number D |
|---|---|---|---|---|---|---|---|---|---|
| 3 | 0.9 | 5 | 1 | 4.6 | ±0.1 | 2.0 | 5.0 | BSJT | 4 |
| 4 | 1.0 | 6 | 1 | 5.6 | | 4.0 | 7.0 | | 5 |
| 5 | 1.5 | 7 | 1 | 6.5 | ±0.2 | 6.0 | 12.0 | | 6 |
| 6.5 | 1.8 | 9 | 1 | 8.5 | | 6.0 | 12.0 | | 8 |

Load values "min." indicate an initial load, and "max.", a load when the ball is fully sunk. kgf=N×0.101972

Order — Part Number: BSZP10, BSJT6

Days to Ship: Quotation

Price: Quotation

Example