

- Use this for the recipient that requires abrasion resistance and accurate locating.
- Especially effective for plungers for heavy load.
- It can be used for pin type plungers, as well as ball type plungers.
- For applicable ball button, please refer to each product page of the plungers.
- Heat treatment and polishing applied. It is easy to press fit or press.
- Machine the holes for ball button **BB** mounting so that they are transition fit or stationary fit.
- Material/Finish



| | BB |
|-----------|---|
| Main body | SK4 (hardness: 60 - 62 HRC) - Polishing |

Unit : mm

| Part Number | A | L | L ₁ | B | Mass (g) |
|--------------|----|----|----------------|-----|----------|
| BB-4 | 4 | 5 | 2 | 1.5 | 0.5 |
| BB-5 | 5 | 6 | 2 | 2 | 1 |
| BB-6 | 6 | 8 | 2 | 2 | 2 |
| BB-8 | 8 | 10 | 2 | 3 | 4 |
| BB-10 | 10 | 12 | 3 | 4 | 6.5 |
| BB-12 | 12 | 14 | 3 | 6 | 12 |
| BB-16 | 16 | 18 | 3 | 8 | 26 |

Effective stroke s_1 formula

- If $D \leq \sqrt{2} B$

$$s_1 = s - \left(\frac{D+B}{2} - \frac{\sqrt{2}}{2} D \right)$$

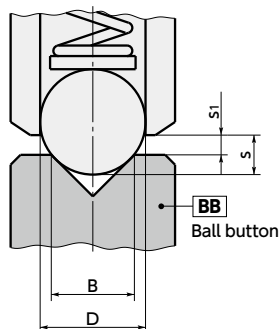
- If $D > \sqrt{2} B$

$$s_1 = s - \frac{D - \sqrt{D^2 - B^2}}{2}$$

 s_1 : Effective stroke

 s : Total stroke of the plunger

 D : Diameter of plunger ball or pin

 B : Diameter of recipient hole of the ball button **BB**


- Part number specification

BB - 4

Product Code

Cleanroom Wash & Packaging → P.xxxx

Not Available

Vibration Resistant → P.xxxx

Not Available

Laser Marking → P.xxxx

Not Available