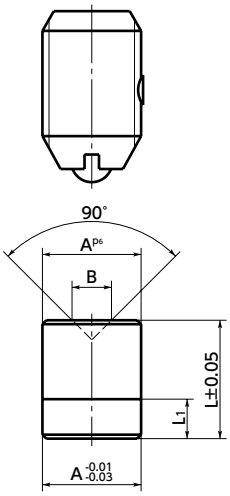
BB Ball Button

WEB Selection Tool WEB CAD Download

MAN+MACHINE ELEMENTS



- 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

RoHS Compliant

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

Unit : mm

Part Number	A 1	L	L1	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

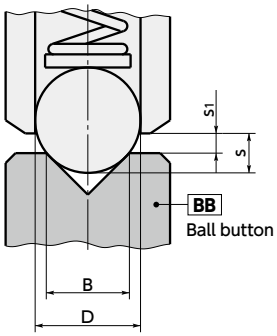
- If $D \leqq \sqrt{2}\,B$

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

- 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 1

Cleanroom Wash & Packaging ➡ P.792	Vibration Resistant ➡ P.795	Laser Marking ➡ P.806
Not Available	Not Available	Not Available