



● M2, M3, and M4 do not have slotted grooves on the main ball side.

● Material/Finish



| | MPS |
|-------------|---------------------------------|
| Main body*1 | Equivalent to SUS304 |
| Ball | SUS440C (hardness: 55 - 60 HRC) |
| Spacer | SUS304 |
| Spring | SUS631J1 |

*1: Hexagon socket part is colored for identification. **MPS** Red / **MPS-Z** Blue

- There is a spacer between the ball and spring (Except for M2 / M3). The ball rotates.
- Made of all stainless steel. It is highly corrosion-resistant and heat-resistant.
- We also produce products of special specifications, e.g. dimensions, load and materials. → P.xxxx
- Load type can be selected according to the end symbol of the part number. ↩️
No end symbol — Heavy load
End symbol **Z** — Super heavy load

MPS Heavy Load **MPS-Z** Super Heavy Load

Unit : mm

| Part Number | M (coarse) | | s | L | D | B | Applicable ball button BB | Load (N) min./max. | Mass (g) |
|-----------------|----------------------|-------|-----|----|-----|-----|----------------------------------|--------------------|----------|
| | Nominal of Thread ↩️ | Pitch | | | | | | | |
| MPS-2 | M2 | 0.4 | 0.2 | 5 | 1 | 0.9 | | 1.2 / 2 | 0.1 |
| MPS-3 | M3 | 0.5 | 0.5 | 7 | 1.5 | 1.5 | | 1.5 / 2.9 | 0.4 |
| MPS-4 | M4 | 0.7 | 0.8 | 9 | 2.5 | 2 | BB-5 | 3.9 / 9.8 | 0.5 |
| MPS-5 | M5 | 0.8 | 0.8 | 12 | 3 | 2.5 | BB-5 | 4.9 / 20 | 1 |
| MPS-6 | M6 | 1 | 0.8 | 13 | 3 | 3 | BB-6 | 9.8 / 29 | 1.7 |
| MPS-8 | M8 | 1.25 | 1 | 15 | 4 | 4 | BB-6 | 13 / 39 | 3.5 |
| MPS-10 | M10 | 1.5 | 1.2 | 16 | 5 | 5 | BB-8 | 19 / 49 | 6 |
| MPS-12 | M12 | 1.75 | 1.8 | 20 | 7 | 6 | BB-10 | 20 / 59 | 11 |
| MPS-16 | M16 | 2 | 2.5 | 25 | 9.5 | 8 | BB-12 | 29 / 98 | 25 |
| MPS-3-Z | M3 | 0.5 | 0.5 | 7 | 1.5 | 1.5 | | 2.2 / 5 | 0.4 |
| MPS-4-Z | M4 | 0.7 | 0.8 | 9 | 2.5 | 2 | BB-5 | 2.5 / 13 | 0.5 |
| MPS-5-Z | M5 | 0.8 | 0.8 | 12 | 3 | 2.5 | BB-5 | 11 / 24 | 1 |
| MPS-6-Z | M6 | 1 | 0.8 | 13 | 3 | 3 | BB-6 | 18 / 33 | 1.7 |
| MPS-8-Z | M8 | 1.25 | 1 | 15 | 4 | 4 | BB-6 | 21 / 45 | 3.5 |
| MPS-10-Z | M10 | 1.5 | 1.2 | 16 | 5 | 5 | BB-8 | 24 / 60 | 6 |
| MPS-12-Z | M12 | 1.75 | 1.8 | 20 | 7 | 6 | BB-10 | 24 / 64 | 11 |
| MPS-16-Z | M16 | 2 | 2.5 | 25 | 9.5 | 8 | BB-12 | 44 / 116 | 25 |

● Related Products

Use a ball button **BB** with excellent abrasion resistance on the recipient.



● Part number specification

MPS-8-Z
Product Code ↩️ ↩️

| | | |
|-------------------------------------|------------------------------|------------------------|
| Cleanroom Wash & Packaging → P.xxxx | Vibration Resistant → P.xxxx | Laser Marking → P.xxxx |
| Please feel free to contact us | Available / Add'l charge | Not Available |