



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