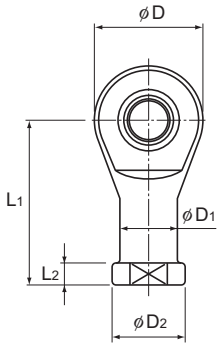
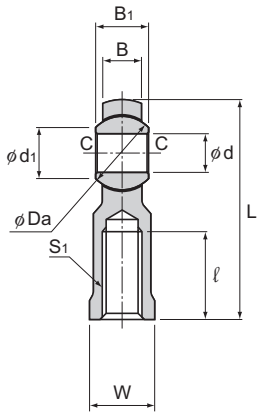



Unit: mm

| Model No. | Outer dimensions | | | Threaded | Holder Dimensions | | | | | | | Spherical inner ring dimensions | | | | Permissible tilt angles | | | Static applied load Radial | Yield-point strength | Mass |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Length L | Diameter D | Width $B_1$ $^{0}_{-0.1}$ | $S_1$ JIS Class 2 | W $^{0}_{-0.3}$ | $D_1$ | $D_2$ | B | $L_1$ | $L_2$ | ℓ | d G7 | Ball diameter Da mm (inch) | $d_1$ | C | $\alpha_1$° | $\alpha_2$° | $\alpha_3$° | $C_S$ N | $P_K$ N | g |
| HS 5 | 35.5 | 17 | 8 | M5×0.8 | 9 | 9 | 11 | 6 | 27 | 4 | 16 | 5 | 11.112($^{7}/_{16}$) | 7.7 | 0.3 | 7 | 13 | 30 | 5590 | 3920 | 9 |
| HS 6 | 39.7 | 19.5 | 9 | M6×1 | 11 | 10 | 13 | 6.75 | 30 | 5 | 16 | 6 | 12.7($^{1}/_{2}$) | 9 | 0.3 | 7 | 13 | 30 | 6860 | 5290 | 15 |
| HS 8 | 48 | 24 | 12 | M8×1.25 | 14 | 12.5 | 16 | 9 | 36 | 5 | 19 | 8 | 15.875($^{5}/_{8}$) | 10.4 | 0.5 | 8 | 14 | 25 | 9800 | 8330 | 26 |
| HS 10 | 57 | 28 | 14 | M10×1.5 | 17 | 15 | 19 | 10.5 | 43 | 6.5 | 23 | 10 | 19.05($^{3}/_{4}$) | 12.9 | 0.5 | 8 | 14 | 25 | 13200 | 10800 | 41 |
| HS 12 | 66 | 32 | 16 | M12×1.75 | 19 | 17.5 | 22 | 12 | 50 | 6.5 | 27 | 12 | 22.225($^{7}/_{8}$) | 15.4 | 0.5 | 8 | 13 | 25 | 16700 | 14700 | 60 |

## [Material]

Holder : Aluminum alloy
Spherical inner ring : SUJ2, 600 Hv or higher (corrosion resistant coated)
Bush : Special fluorine resin with fiber

## [Fitting with the Shaft]

| Condition | Dimensional tolerance of the shaft |
|---|---|
| Normal load | h7 |
| Indeterminate load | n6, p6 |

## [Clearance]

Unit: mm

| | |
|---|---|
| Radial clearance | 0.03 or less |
| Axial clearance | 0.1 or less |

## [Identification of Left-hand Thread]

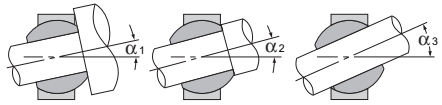
If the female threading is left-hand, symbol "L" is added.
The actual product is marked with symbol "L" on the holder.

**Model number coding**

**HS10 L**

Model number

Left-hand thread




Permissible Tilt Angles