

UT series

RoHS compliant

H type B type

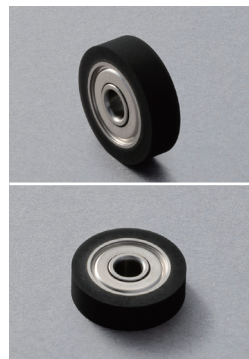
Rubber coated bearing (Metal bearing insert) | Flat

Inner ring

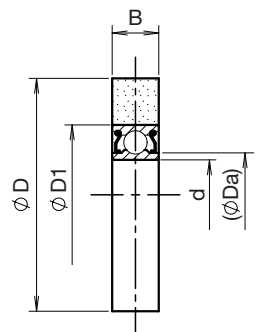
Screw shaft

Model 1

Inner ring



UT-H

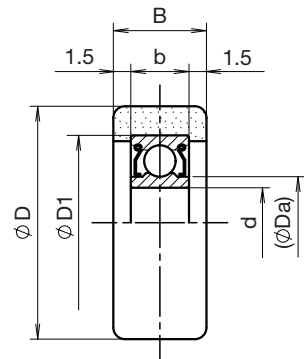


Model 2

Inner ring (Inner race width: Concave)



UT-H

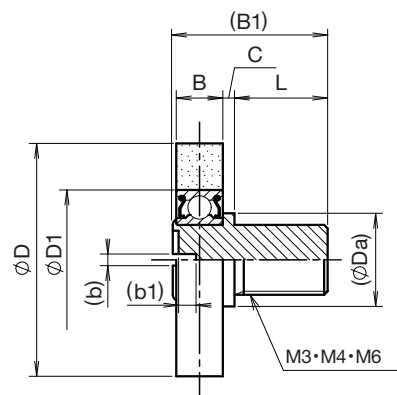


Model 3

Screw shaft (Slotted head)



UT-B



## Product information

## Feature classification

## Outer race type

|          |                 |                  |
|----------|-----------------|------------------|
| Flat     | Convex round    | U-groove         |
| V-groove | Concave groove  | One-sided flange |
| Plastic  | Stainless steel | Steel            |
| Ceramic  | Rubber          |                  |

## Inner race type

|             |                       |
|-------------|-----------------------|
| Inner ring  | Inner race width wide |
| Screw shaft | Riveting shaft        |

## Feature

|                 |                |                     |
|-----------------|----------------|---------------------|
| Water resistant | Heat resistant | Chemical resistant  |
| Antistatic      | Non magnetic   | High speed rotation |
| High load       | Toughness      | Low noise           |

## Components of product name

| No | Item                                      | Symbol       | Meaning                                                                        |
|----|-------------------------------------------|--------------|--------------------------------------------------------------------------------|
| 1  | Outer race material symbol                | UT           | Polyurethane resin                                                             |
| 2  | Outer race shape symbol                   | (R)          | Flat *Omitted                                                                  |
| 3  | Retainer or full ball type                | Omitted      | Retainer (Double-sealed)                                                       |
| 4  | Outer race outer diameter                 | -            | (Numerical $\phi D$ dimension shown in drawing)                                |
| 5  | Ball material symbol                      | Omitted<br>S | Carbon steel ball<br>Stainless ball                                            |
| 6  | Inner race shape symbol                   | H<br>B       | Inner ring *Including omitted<br>Screw shaft                                   |
| 7  | Inner race material symbol                | Omitted<br>S | Bearing Steel<br>Stainless steel                                               |
| 8  | Bore and clearance dimension for mounting | -            | (Numerical $\phi d/C$ dimension shown in drawing)                              |
| 9  | Additional information                    | M_x_<br>A    | Screw specification $\times$ Screw length L dimension<br>Identification symbol |

## Lineup

## UT-H

Inner ring

| Model | D $\pm 0.1$                                          | d | B $\pm 0.2$ | b | D1 | Da  | Load (N) | Weight (g) | JIS equivalent | Code   | Part No.    |
|-------|------------------------------------------------------|---|-------------|---|----|-----|----------|------------|----------------|--------|-------------|
| 1     | 11                                                   | 3 | 4           | - | 8  | 4.2 | 49.0     | 1.0        | -              | 112000 | UT-11-SHS3  |
| 1     | 12                                                   | 3 | 4           | - | 8  | 4.2 | 49.0     | 1.1        | -              | 112001 | UT-12-SHS3  |
| 1     | 13                                                   | 3 | 4           | - | 8  | 4.2 | 49.0     | 1.2        | -              | 112002 | UT-13-SHS3  |
| 1     | 14                                                   | 3 | 4           | - | 8  | 4.2 | 49.0     | 1.3        | -              | 112003 | UT-14-SHS3  |
| 1     | 15                                                   | 4 | 5           | - | 13 | 5.6 | 98.0     | -          | -              | 112004 | UT-15-SHS4  |
| 1     | 16                                                   | 4 | 5           | - | 13 | 5.6 | 98.0     | 3.4        | -              | 112005 | UT-16-SHS4  |
| 1     | 17                                                   | 4 | 5           | - | 13 | 5.6 | 98.0     | 3.5        | -              | 112006 | UT-17-SHS4  |
| 1     | 18                                                   | 6 | 4           | - | 12 | 7.6 | 78.4     | 2.2        | -              | 112007 | UT-18-SHS6  |
| 1     | 19                                                   | 6 | 4           | - | 12 | 7.6 | 78.4     | 2.4        | -              | 112008 | UT-19-SHS6  |
| 1     | 20                                                   | 6 | 4           | - | 12 | 7.6 | 78.4     | 2.5        | -              | 112009 | UT-20-SHS6  |
| 2     | 20 $\begin{smallmatrix} 0 \\ -0.3 \end{smallmatrix}$ | 6 | 8           | 5 | 15 | 7.6 | 29.4     | 4.9        | -              | 110032 | UT-20-696ZZ |
| 1     | 21                                                   | 6 | 4           | - | 12 | 7.6 | 78.4     | 2.6        | -              | 112010 | UT-21-SHS6  |
| 1     | 22                                                   | 6 | 4           | - | 12 | 7.6 | 78.4     | 2.8        | -              | 112011 | UT-22-SHS6  |

## UT-B

Screw shaft

| Model | D $\pm 0.1$ | D1 | B $\pm 0.2$ | B1   | C $\pm 0.4$ | L $\pm 0.2$ | b   | b1  | Da | Screw specification | Load (N) | Weight (g) | Code   | Part No.                 |
|-------|-------------|----|-------------|------|-------------|-------------|-----|-----|----|---------------------|----------|------------|--------|--------------------------|
| 3     | 11          | 8  | 4           | 9.2  | 1           | 4           | 0.8 | 1.2 | 5  | M3 P0.5             | 49.0     | -          | -      | UT-11-SBS1-M3 $\times$ 4 |
| 3     | 12          | 8  | 4           | 9.2  | 1           | 4           | 0.8 | 1.2 | 5  | M3 P0.5             | 49.0     | -          | -      | UT-12-SBS1-M3 $\times$ 4 |
| 3     | 13          | 8  | 4           | 9.2  | 1           | 4           | 0.8 | 1.2 | 5  | M3 P0.5             | 49.0     | -          | -      | UT-13-SBS1-M3 $\times$ 4 |
| 3     | 14          | 8  | 4           | 9.2  | 1           | 4           | 0.8 | 1.2 | 5  | M3 P0.5             | 49.0     | -          | -      | UT-14-SBS1-M3 $\times$ 4 |
| 3     | 15          | 13 | 5           | 11.2 | 1           | 5           | 0.8 | 1   | 6  | M4 P0.7             | 98.0     | -          | -      | UT-15-SBS1-M4 $\times$ 5 |
| 3     | 16          | 13 | 5           | 11.2 | 1           | 5           | 0.8 | 1   | 6  | M4 P0.7             | 98.0     | 2.2        | 112017 | UT-16-SBS1-A             |
| 3     | 17          | 13 | 5           | 11.2 | 1           | 5           | 0.8 | 1   | 6  | M4 P0.7             | 98.0     | -          | -      | UT-17-SBS1-M4 $\times$ 5 |
| 3     | 18          | 12 | 4           | 13.3 | 1           | 8           | 1   | 1.5 | 8  | M6 P1.0             | 78.4     | -          | -      | UT-18-SBS1-M6 $\times$ 8 |
| 3     | 19          | 12 | 4           | 13.3 | 1           | 8           | 1   | 1.5 | 8  | M6 P1.0             | 78.4     | -          | -      | UT-19-SBS1-M6 $\times$ 8 |
| 3     | 20          | 12 | 4           | 13.3 | 1           | 8           | 1   | 1.5 | 8  | M6 P1.0             | 78.4     | -          | 112016 | UT-20-SBS1-A             |
| 3     | 21          | 12 | 4           | 13.3 | 1           | 8           | 1   | 1.5 | 8  | M6 P1.0             | 78.4     | -          | -      | UT-21-SBS1-M6 $\times$ 8 |
| 3     | 22          | 12 | 4           | 13.3 | 1           | 8           | 1   | 1.5 | 8  | M6 P1.0             | 78.4     | -          | -      | UT-22-SBS1-M6 $\times$ 8 |

\*Polyurethane rubber material

Model 1 Model 3 — Polyether polyurethane rubber (Hardness 90 $\pm$ 3°(JIS A))Model 2 — Polyester polyurethane rubber (Hardness 90 $\pm$ 3°(JIS A))

\*JIS notation is equivalent to JIS B 1512 (Rolling bearings - main dimension) and JIS B 1513 (Nominal numbers of rolling bearings), and this product does not conform to JIS standards.

\*All products are made-to-order only, but some may be in stock. Please contact your local distributor or trading company in case of urgent need.