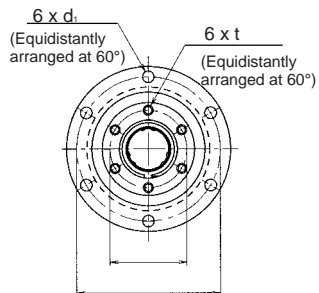
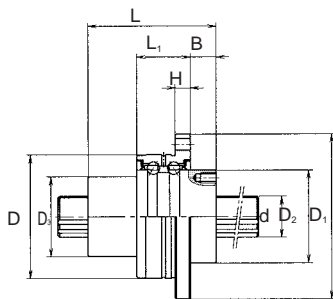
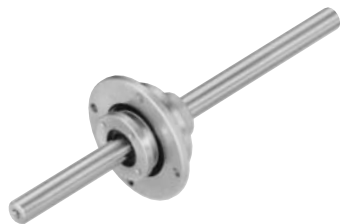


# Type LTR-A

(compact type)



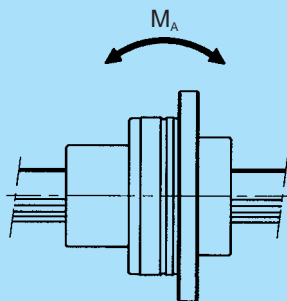
LT16A or over

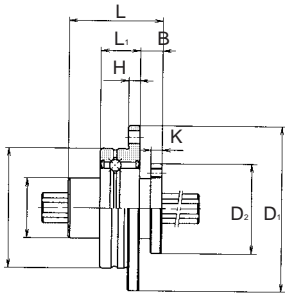
| Model No. | Spline nut dimensions |                  |             |                                     |                              |                |    |                |    |   |     |                |              |
|-----------|-----------------------|------------------|-------------|-------------------------------------|------------------------------|----------------|----|----------------|----|---|-----|----------------|--------------|
|           | Outer diameter<br>D   | Tolerance        | Length<br>L | Flange dimensions<br>D <sub>1</sub> | D <sub>2</sub> <sup>h7</sup> | D <sub>3</sub> | H  | L <sub>1</sub> | B  | K | P   | P <sub>1</sub> | m × t        |
| LTR 8A    | 32                    | -0.009<br>-0.025 | 25          | 44                                  | 24                           | 16             | 3  | 10.5           | 6  | 3 | 38  | 19             | M2.6 × 3     |
| LTR 10A   | 36                    |                  | 33          | 48                                  | 28                           | 21             | 3  | 10.5           | 9  | - | 42  | 23             | M3 × 0.5 × 4 |
| LTR 16A   | 48                    |                  | 50          | 64                                  | 36                           | 31             | 6  | 21             | 10 | - | 56  | 30             | M4 × 0.7 × 6 |
| LTR 20A   | 56                    | -0.010<br>-0.029 | 63          | 72                                  | 43.5                         | 35             | 6  | 21             | 12 | - | 64  | 36             | M5 × 8       |
| LTR 25A   | 66                    |                  | 71          | 86                                  | 52                           | 42             | 7  | 25             | 13 | - | 75  | 44             | M5 × 8       |
| LTR 32A   | 78                    |                  | 80          | 103                                 | 63                           | 52             | 8  | 25             | 17 | - | 89  | 54             | M6 × 10      |
| LTR 40A   | 100                   | -0.012<br>-0.034 | 100         | 130                                 | 79.5                         | 64             | 10 | 33             | 20 | - | 113 | 68             | M6 × 10      |

Notes:

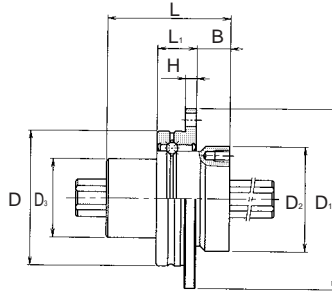
1) M<sub>A</sub> represents the permissible moment in the axial direction when a single spline nut is used, as shown below.

- If a model with seals is required, please specify.
- For model-number coding, see page B-95.

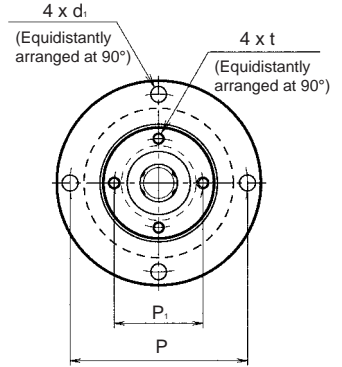




LTR8A



LTR10A



LTR8A

LTR10A

Unit: mm

| $d_1$ | Shaft diameter<br>$d^{h7}$ | No. of trains of balls | Basic load rating |             | Basic torque rating |                | Static permissible moment<br>$M_A^{1)}$<br>Nm | Support-bearing basic load rating |             | Mass             |                      |
|-------|----------------------------|------------------------|-------------------|-------------|---------------------|----------------|---|-----------------------------------|-------------|------------------|----------------------|
|       |                            |                        | C<br>kN           | $C_0$<br>kN | $C_T$<br>Nm         | $C_{OT}$<br>Nm |   | C<br>kN                           | $C_0$<br>kN | Spline nut<br>kg | Spline shaft<br>kg/m |
| 3.4   | 8                          | 4                      | 1.47              | 2.55        | 1.96                | 2.94           | 5.9   | 0.69                              | 0.24        | 0.08             | 0.40                 |
| 3.4   | 10                         | 4                      | 2.84              | 4.9         | 3.92                | 7.84           | 15.7  | 0.77                              | 0.30        | 0.13             | 0.62                 |
| 4.5   | 16                         | 6                      | 7.05              | 12.6        | 31.3                | 34.3           | 67.6  | 6.7                               | 6.4         | 0.35             | 1.6                  |
| 4.5   | 20                         | 6                      | 10.2              | 17.8        | 56.8                | 55.8           | 118   | 7.4                               | 7.8         | 0.51             | 2.5                  |
| 5.5   | 25                         | 6                      | 15.2              | 25.8        | 105                 | 103            | 210   | 9.7                               | 10.6        | 0.79             | 3.9                  |
| 6.6   | 32                         | 6                      | 20.5              | 34.0        | 180                 | 157            | 290   | 10.5                              | 12.5        | 1.25             | 5.6                  |
| 9.0   | 40                         | 6                      | 37.8              | 60.4        | 418                 | 377            | 687   | 16.5                              | 20.7        | 2.51             | 9.9                  |

