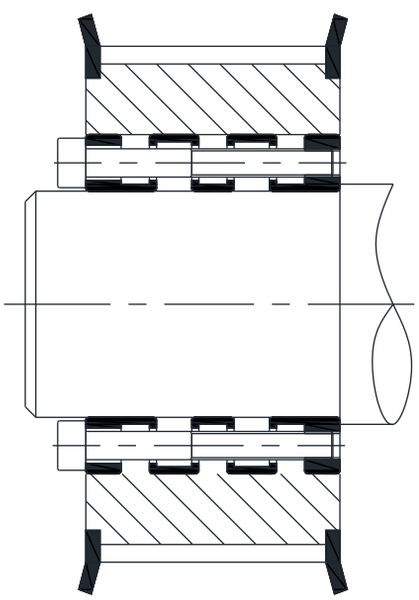
# Clamping Sleeve - Model N5015.1


## ◆ Features :

- Single Piece Design
- Used for Motor Shafts with k6/m6 Tolerance zone
- High Degree of Precision
- Homogenous Clamping on Shaft & Hub
- Higher Concentricity
- Self-Centering
- No Axial Displacement
- Short Design
- Easy Installation & Removal
- Torque Transmission Capacity: Medium

## ◆ Mounting Example:



## ◆ Tolerance & Surface finish:

- A good Surface finish by Machine tool is sufficient. Maximum allowable Surface finish $R_a \leq 3.2\mu m$
- Maximum Permissible Tolerance for Shaft is k6/m6 & for Hub bore is H6/H7.
- The Concentricity of Hub bore / Outer diameter of Clamping Sleeve must be: 0.008 mm (< 80mm) & IT4 (> 80 mm)

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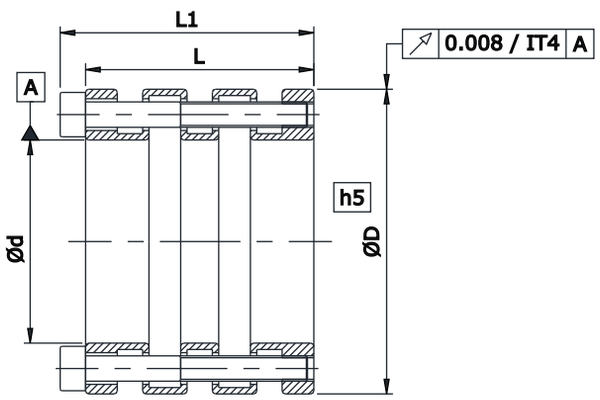


| d x D mm | L mm | L1 mm | Transmissible Torque Nm (Mt) | Axial Thrust N (Pax) | Tightening Screw No. x size(s) | Tightning Torque Nm (Ma) | Moment of Inertia kg.cm$^2$ (I) | Weight kg |
|---|---|---|---|---|---|---|---|---|
| 16 x 32 | 26 | 30 | 94 | 11722 | 6 x M4 | 5 | 0.136 | 0.090 |
| 19 x 35 | 26 | 30 | 128 | 13495 | 6 x M4 | 5 | 0.189 | 0.098 |
| 20 x 40 | 36 | 41 | 187 | 18715 | 5 x M5 | 10 | 0.430 | 0.178 |
| 22 x 42 | 36 | 41 | 217 | 19700 | 5 x M5 | 10 | 0.516 | 0.190 |
| 24 x 44 | 36 | 41 | 256 | 21375 | 5 x M5 | 10 | 0.612 | 0.202 |
| 25 x 45 | 41 | 46 | 276 | 22064 | 6 x M5 | 10 | 0.744 | 0.236 |
| 28 x 48 | 41 | 46 | 315 | 22557 | 6 x M5 | 10 | 0.940 | 0.254 |
| 30 x 52 | 57 | 63 | 680 | 45310 | 5 x M6 | 17 | 1.822 | 0.414 |
| 32 x 55 | 57 | 63 | 758 | 47379 | 5 x M6 | 17 | 2.256 | 0.458 |
| 35 x 58 | 57 | 63 | 1064 | 60775 | 6 x M6 | 17 | 2.748 | 0.494 |
| 38 x 60 | 57 | 63 | 1231 | 64813 | 6 x M6 | 17 | 3.034 | 0.496 |
| 40 x 70 | 77 | 85 | 1724 | 86188 | 5 x M8 | 40 | 7.683 | 1.000 |
| 42 x 72 | 77 | 85 | 1822 | 86779 | 5 x M8 | 40 | 8.501 | 1.020 |
| 45 x 75 | 77 | 85 | 2069 | 91901 | 5 x M8 | 40 | 9.850 | 1.075 |
| 48 x 78 | 77 | 85 | 2334 | 97318 | 5 x M8 | 40 | 11.328 | 1.115 |
| 50 x 80 | 77 | 85 | 2463 | 98500 | 6 x M8 | 40 | 12.411 | 1.175 |
| 55 x 85 | 77 | 85 | 2793 | 101920 | 6 x M8 | 40 | 15.288 | 1.260 |
| 60 x 90 | 92 | 100 | 3479 | 115640 | 6 x M8 | 40 | 21.854 | 1.565 |
| 65 x 95 | 92 | 100 | 3920 | 120540 | 6 x M8 | 40 | 26.362 | 1.660 |
| 70 x 100 | 92 | 100 | 4410 | 126420 | 6 x M8 | 40 | 29.400 | 1.750 |
| 75 x 105 | 92 | 100 | 4900 | 130340 | 7 x M8 | 40 | 37.338 | 1.890 |
| 80 x 110 | 122 | 130 | 6370 | 159740 | 8 x M8 | 40 | 67.620 | 2.980 |
| 85 x 115 | 122 | 130 | 7007 | 164640 | 8 x M8 | 40 | 78.400 | 3.150 |

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