

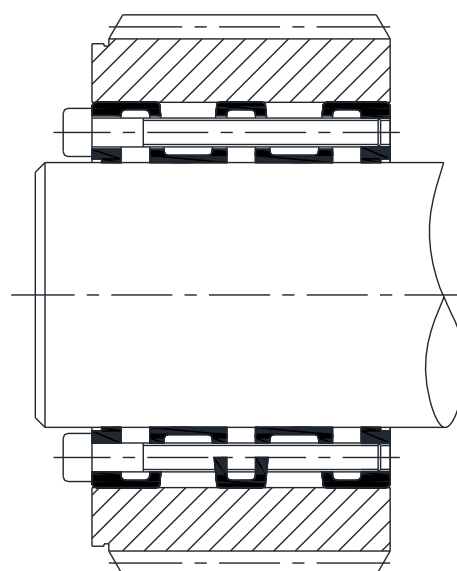
## Clamping Sleeve - Model N5011



### ◆ Features :

- Single Piece Design
- High Degree of Precision
- Homogenous Clamping on Shaft & Hub
- Higher Concentricity
- Self-Centering
- No Axial Displacement
- Compact Design
- Easy Installation & Removal
- Torque Transmission Capacity: High

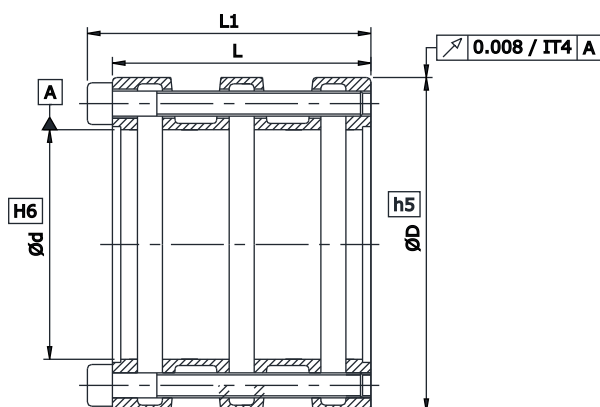
### ◆ Mounting Example:



### ◆ Tolerance & Surface finish:

- A good Surface finish by Machine tool is sufficient. Maximum allowable Surface finish  $R_a \leq 3.2\mu\text{m}$
- Maximum Permissible Tolerance for Shaft is h5/h6 & 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)

## Clamping Sleeve Model N5011



| d x D<br>mm | L<br>mm | L1<br>mm | Transmissible<br>Torque<br>Nm<br>(Mt) | Axial<br>Thrust<br>N<br>(Pax) | Tightening<br>Screw<br>No. x size(s) | Tightning<br>Torque<br>Nm<br>(Ma) | Moment of<br>Inertia<br>kg.cm <sup>2</sup><br>(I) | Weight<br>kg |
|-------------|---------|----------|---------------------------------------|-------------------------------|--------------------------------------|-----------------------------------|---------------------------------------------------|--------------|
| 14 x 26     | 31      | 34       | 59                                    | 8471                          | 6 x M3                               | 2                                 | 0.058                                             | 0.056        |
| 15 x 28     | 31      | 34       | 65                                    | 8668                          | 6 x M3                               | 2                                 | 0.077                                             | 0.062        |
| 16 x 28     | 31      | 34       | 72                                    | 8964                          | 6 x M3                               | 2                                 | 0.076                                             | 0.062        |
| 16 x 32     | 41      | 45       | 128                                   | 16056                         | 6 x M4                               | 5                                 | 0.176                                             | 0.120        |
| 18 x 30     | 31      | 34       | 85                                    | 9456                          | 6 x M3                               | 2                                 | 0.098                                             | 0.066        |
| 18 x 35     | 41      | 45       | 158                                   | 17533                         | 6 x M4                               | 5                                 | 0.246                                             | 0.136        |
| 20 x 32     | 31      | 34       | 99                                    | 9850                          | 6 x M3                               | 2                                 | 0.122                                             | 0.072        |
| 20 x 37     | 41      | 45       | 177                                   | 17730                         | 6 x M4                               | 5                                 | 0.302                                             | 0.144        |
| 20 x 40     | 52      | 57       | 167                                   | 16745                         | 6 x M5                               | 7                                 | 0.539                                             | 0.234        |
| 22 x 35     | 31      | 34       | 108                                   | 9850                          | 6 x M3                               | 2                                 | 0.170                                             | 0.084        |
| 22 x 38     | 41      | 45       | 177                                   | 16154                         | 6 x M4                               | 5                                 | 0.329                                             | 0.146        |
| 22 x 42     | 52      | 57       | 256                                   | 23246                         | 6 x M5                               | 10                                | 0.643                                             | 0.248        |
| 25 x 37     | 31      | 34       | 138                                   | 11032                         | 6 x M3                               | 2                                 | 0.203                                             | 0.084        |
| 25 x 42     | 41      | 45       | 246                                   | 19700                         | 6 x M4                               | 5                                 | 0.477                                             | 0.172        |
| 25 x 45     | 52      | 57       | 315                                   | 25216                         | 6 x M5                               | 10                                | 0.826                                             | 0.270        |
| 28 x 40     | 31      | 34       | 158                                   | 11229                         | 6 x M3                               | 2                                 | 0.265                                             | 0.092        |
| 28 x 45     | 41      | 45       | 276                                   | 19700                         | 6 x M4                               | 5                                 | 0.610                                             | 0.186        |
| 28 x 48     | 52      | 57       | 364                                   | 26004                         | 6 x M5                               | 10                                | 1.044                                             | 0.290        |
| 30 x 42     | 31      | 34       | 177                                   | 11820                         | 6 x M3                               | 2                                 | 0.313                                             | 0.096        |
| 30 x 47     | 41      | 45       | 315                                   | 20981                         | 6 x M4                               | 5                                 | 0.711                                             | 0.194        |
| 30 x 50     | 52      | 57       | 404                                   | 26891                         | 6 x M5                               | 10                                | 1.212                                             | 0.308        |
| 30 x 55     | 62      | 68       | 424                                   | 28270                         | 6 x M6                               | 13                                | 2.098                                             | 0.468        |
| 32 x 48     | 41      | 45       | 335                                   | 20882                         | 6 x M4                               | 5                                 | 0.753                                             | 0.190        |
| 32 x 52     | 52      | 57       | 433                                   | 27088                         | 6 x M5                               | 10                                | 1.389                                             | 0.318        |
| 32 x 56     | 62      | 68       | 453                                   | 28270                         | 6 x M6                               | 13                                | 2.226                                             | 0.466        |
| 35 x 52     | 41      | 45       | 394                                   | 22557                         | 6 x M4                               | 5                                 | 1.015                                             | 0.218        |
| 35 x 55     | 52      | 57       | 512                                   | 29255                         | 6 x M5                               | 10                                | 1.694                                             | 0.346        |
| 35 x 60     | 62      | 68       | 690                                   | 39400                         | 6 x M6                               | 17                                | 2.866                                             | 0.516        |
| 40 x 56     | 41      | 45       | 463                                   | 23148                         | 6 x M4                               | 5                                 | 1.281                                             | 0.232        |
| 40 x 62     | 52      | 57       | 611                                   | 30535                         | 6 x M5                               | 10                                | 2.650                                             | 0.416        |
| 40 x 65     | 62      | 68       | 818                                   | 40878                         | 6 x M6                               | 17                                | 3.812                                             | 0.576        |
| 40 x 70     | 77      | 85       | 887                                   | 44325                         | 6 x M8                               | 25                                | 6.787                                             | 0.895        |
| 45 x 68     | 52      | 57       | 709                                   | 31520                         | 6 x M5                               | 10                                | 3.713                                             | 0.478        |
| 45 x 70     | 62      | 68       | 946                                   | 41961                         | 6 x M6                               | 17                                | 4.955                                             | 0.618        |
| 45 x 75     | 77      | 85       | 1084                                  | 48167                         | 6 x M8                               | 25                                | 8.678                                             | 1.000        |

Dimensions/Design subject to modifications without any prior intimation.

## Clamping Sleeve Model N5011

| <b>d x D</b><br><b>mm</b> | <b>L</b><br><b>mm</b> | <b>L1</b><br><b>mm</b> | <b>Transmissible<br/>Torque<br/>Nm<br/>(Mt)</b> | <b>Axial<br/>Thrust<br/>N<br/>(Pax)</b> | <b>Tightening<br/>Screw<br/>No. x size(s)</b> | <b>Tightning<br/>Torque<br/>Nm<br/>(Ma)</b> | <b>Moment of<br/>Inertia<br/>kg.cm<sup>2</sup><br/>(I)</b> | <b>Weight<br/>kg</b> |
|---------------------------|-----------------------|------------------------|-------------------------------------------------|-----------------------------------------|-----------------------------------------------|---------------------------------------------|------------------------------------------------------------|----------------------|
| 50 x 72                   | 52                    | 57                     | 837                                             | 33490                                   | 6 x M5                                        | 10                                          | 4.452                                                      | 0.494                |
| 50 x 75                   | 62                    | 68                     | 1113                                            | 44522                                   | 6 x M6                                        | 17                                          | 6.304                                                      | 0.670                |
| 50 x 80                   | 77                    | 85                     | 1950                                            | 78012                                   | 6 x M8                                        | 40                                          | 10.934                                                     | 1.080                |
| 55 x 80                   | 62                    | 68                     | 1235                                            | 44982                                   | 6 x M6                                        | 17                                          | 7.840                                                      | 0.715                |
| 55 x 85                   | 77                    | 85                     | 2195                                            | 79870                                   | 6 x M8                                        | 40                                          | 13.426                                                     | 1.135                |
| 60 x 85                   | 62                    | 68                     | 1450                                            | 48412                                   | 6 x M6                                        | 17                                          | 9.653                                                      | 0.765                |
| 60 x 90                   | 77                    | 85                     | 2548                                            | 84868                                   | 6 x M8                                        | 40                                          | 16.366                                                     | 1.225                |
| 65 x 90                   | 62                    | 68                     | 1597                                            | 49098                                   | 6 x M6                                        | 17                                          | 11.760                                                     | 0.815                |
| 65 x 95                   | 77                    | 85                     | 2842                                            | 87514                                   | 6 x M8                                        | 40                                          | 19.698                                                     | 1.300                |
| 70 x 100                  | 77                    | 85                     | 3146                                            | 89964                                   | 6 x M8                                        | 40                                          | 23.520                                                     | 1.380                |
| 75 x 105                  | 77                    | 85                     | 3489                                            | 93100                                   | 6 x M8                                        | 40                                          | 27.832                                                     | 1.460                |
| 80 x 110                  | 77                    | 85                     | 3793                                            | 94864                                   | 6 x M8                                        | 40                                          | 32.536                                                     | 1.520                |
| 85 x 120                  | 92                    | 100                    | 3822                                            | 89964                                   | 6 x M8                                        | 40                                          | 58.996                                                     | 2.310                |
| 90 x 120                  | 77                    | 85                     | 6713                                            | 149156                                  | 7 x M8                                        | 40                                          | 47.138                                                     | 1.475                |
| 95 x 125                  | 77                    | 85                     | 7242                                            | 152488                                  | 8 x M8                                        | 40                                          | 54.586                                                     | 1.536                |
| 100 x 130                 | 77                    | 85                     | 7624                                            | 152488                                  | 8 x M8                                        | 40                                          | 62.034                                                     | 1.612                |
| 110 x 140                 | 77                    | 85                     | 10476                                           | 190610                                  | 10 x M8                                       | 40                                          | 80.654                                                     | 1.735                |
| 120 x 150                 | 77                    | 85                     | 11437                                           | 190610                                  | 10 x M8                                       | 40                                          | 100.940                                                    | 1.885                |
| 130 x 160                 | 77                    | 85                     | 12387                                           | 190610                                  | 10 x M8                                       | 40                                          | 123.480                                                    | 2.036                |
| 140 x 170                 | 77                    | 85                     | 13338                                           | 190610                                  | 10 x M8                                       | 40                                          | 149.940                                                    | 2.180                |
| 150 x 180                 | 77                    | 85                     | 14288                                           | 190610                                  | 10 x M8                                       | 40                                          | 180.320                                                    | 2.331                |
| 160 x 190                 | 77                    | 85                     | 18297                                           | 228732                                  | 12 x M8                                       | 40                                          | 216.580                                                    | 2.453                |
| 170 x 200                 | 77                    | 85                     | 19433                                           | 228732                                  | 12 x M8                                       | 40                                          | 254.800                                                    | 2.603                |
| 180 x 210                 | 77                    | 85                     | 20580                                           | 228732                                  | 12 x M8                                       | 40                                          | 295.960                                                    | 2.744                |
| 190 x 230                 | 92                    | 102                    | 26568                                           | 279692                                  | 12 x M10                                      | 60                                          | 664.440                                                    | 5.321                |
| 200 x 240                 | 92                    | 102                    | 27969                                           | 279692                                  | 12 x M10                                      | 60                                          | 761.460                                                    | 5.594                |
| 210 x 250                 | 92                    | 102                    | 29361                                           | 279692                                  | 12 x M10                                      | 60                                          | 867.300                                                    | 5.867                |
| 220 x 260                 | 92                    | 102                    | 30762                                           | 279692                                  | 12 x M10                                      | 60                                          | 980.000                                                    | 6.140                |
| 230 x 270                 | 92                    | 102                    | 32144                                           | 279692                                  | 12 x M10                                      | 60                                          | 1107.400                                                   | 6.413                |
| 240 x 280                 | 92                    | 102                    | 33565                                           | 279692                                  | 12 x M10                                      | 60                                          | 1244.600                                                   | 6.686                |
| 250 x 300                 | 102                   | 112                    | 43688                                           | 349566                                  | 15 x M10                                      | 60                                          | 2009.000                                                   | 9.721                |
| 260 x 310                 | 102                   | 112                    | 45443                                           | 349566                                  | 15 x M10                                      | 60                                          | 2234.400                                                   | 10.095               |
| 270 x 320                 | 102                   | 112                    | 47187                                           | 349566                                  | 15 x M10                                      | 60                                          | 2469.600                                                   | 10.469               |
| 280 x 330                 | 102                   | 112                    | 48902                                           | 349566                                  | 15 x M10                                      | 60                                          | 2724.400                                                   | 10.844               |
| 290 x 340                 | 102                   | 112                    | 50666                                           | 349566                                  | 15 x M10                                      | 60                                          | 2998.800                                                   | 11.218               |
| 300 x 350                 | 102                   | 112                    | 52430                                           | 349566                                  | 15 x M10                                      | 60                                          | 3292.800                                                   | 11.592               |

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