

# Dimensioning internal Locking Devices

## Clamping devices

[EN]

Client

Project

In order to allow us an accurate assessment / design, please fill in all the known data.  
If you are able to provide us a drawing, a sketch or similar, please send us such known information too.

### Device type:

### Load configuration:

Motor power  $p$  [kW]  
Speed at LSS  $n$  [min<sup>-1</sup>]  
Safety factor SF  
Nominal torque  $M_t$  [Nm]  
Max. torque  $M_{t_{max}}$  [Nm]  
Max. add. radial load  $F_{rad}$  [N]

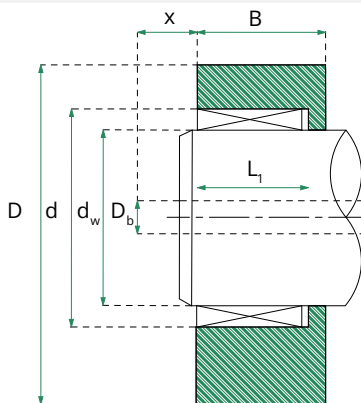
Max. add.  
bending moment  $M_b$  [Nm]  
Max. add. axial load  $F_{ax}$  [N]  
operation time [%]  
Number of starts [n/t]

### Surrounding area:

corrosive  
dust

Temperature range [°C]

### Geometric details:



Width of the hub  $B$  [mm]  
Shaft diameter  $d_w$  [mm]  
Bore in the shaf  $D_b$  [mm]  
Hub outside Ø  $D$  [mm]  
Bore in the hub  $d$  [mm]  
Installation depth  $L_1$  [mm]  
available space  $x$  [mm]

### Materials:

### Designation

$R_e/R_{p0.2}$  [MPa]

E-Moduls [MPa]

Shaft

Hub

Comments: (coatings, environmental conditions, number of tensions, special requests, etc. ...)