

Accessories

Mounting accessories

Spring washer K 35, shaft $\varnothing 6...12$ mm



Part number

K 35 Spring washer coupling
for solid shaft $\varnothing 6...12$ mm

Suitable for

Encoders with solid shaft $\varnothing 6...12$ mm

Features

- High quality torsionally stiff and backlash free coupling
- Compensating of mounting errors
- Balanced torsional rigidity (torsional spring constant)
- Protection against shaft currents with an insulated hub on non-drive end ($\varnothing 11$ H7)
- Additional key possible

Description

Spring washer coupling, which combines the necessary torsional stiffness with the ability to compensate for axial displacement which occurs especially through heat expansion of the drive and the play backlash of the ball bearings.

Technical data

For shaft $\varnothing 6...12$ mm

Starting torque 2 Nm

Maximum torque 3 Nm

Operating speed ≤ 15000 rpm

Admissible axial movement (a) $\pm 0,7$ mm ($\pm 0,3$ mm*)

Admissible parallel misalignment (b) $\pm 0,2$ mm ($\pm 0,05$ mm*)

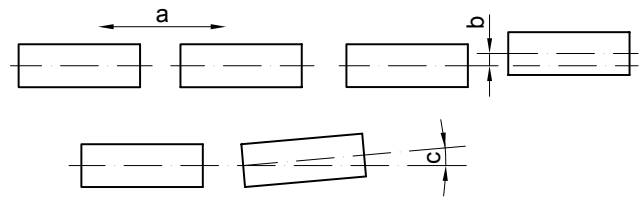
Admissible angular error (c) $\pm 1^\circ$

Torsional rigidity 900 Nm/rad

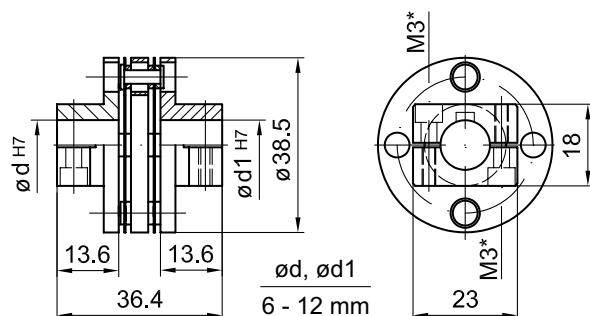
Moment of inertia $89 \cdot 10^{-3}$ kgcm²

Material of spring disks X12 CrNi 17 7

Weight approx. 50 g



Dimensions



* Max. tightening torque:
 $M_t = 100$ Ncm (plastic side)
 $M_t = 2-3$ Nm (metal side)

* Insulated hub version