Spring disk coupling K35 WD 11PF4 ISOL + 11PF4

Article number: 11057355

Overview

- 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
- Form-fit connection thanks to keyway

Technical data

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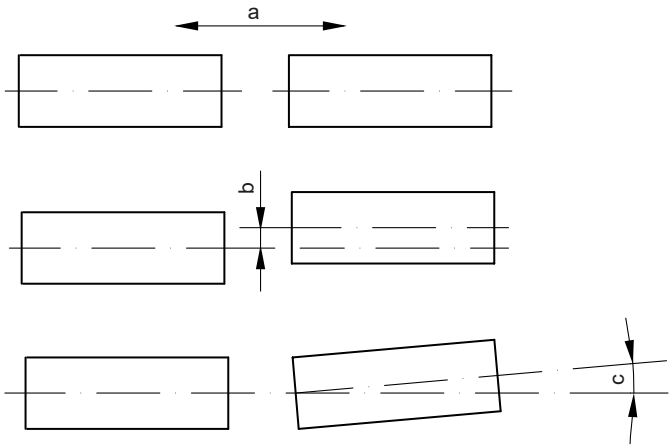
Shaft diameter D1	11 mm
Shaft diameter D2	11 mm
Keyway D1	4 mm
Keyway D2	4 mm
Operating speed	≤15000 rpm
Moment of inertia	89 · 10^{-3} kgcm²
Torsional rigidity	900 Nm/rad
Operating torque	≤2 Ncm

Technical data	
Maximum torque	3 Nm
Admissible axial movement	± 0.7 mm (±0,3 mm at version with insulated hub version)
Admissible parallel misalignment	± 0.2 mm (±0,05 mm at version with insulated hub version)
Admissible angular error	± 1 °
Electrical insulation	Yes
Weight approx.	50 g
Material	Spring disks: X12 CrNi 17 7

Description

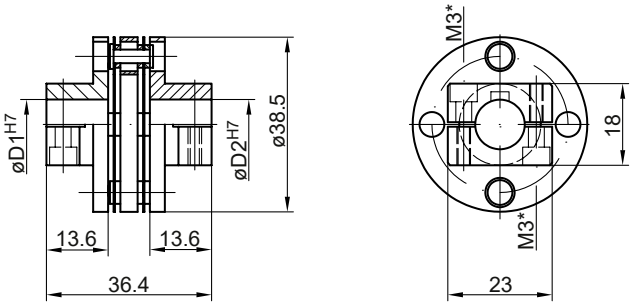
Spring disk coupling, which combines the necessary torsional stiffness with the ability to compensate for axial displacement which occurs especially through heat expansion of the drive and the play backlash of the ball bearings.

Assembly drawing



a = Admissible axial movement
b = Admissible parallel misalignment
c = Admissible angular error

Dimensions



* Maximum tightening torque:
Mt = 1 Nm (plastic side)
Mt = 1.3 ±10 % Nm (metal side)