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Datasheet

Nickel bellows coupling

with screw hubs

BKNS

13 Ncm, 39 Ncm, 328 Ncm



Features

- Backlash-free angularly aligned transmission
- optimum compensation of misalignment
- very high torsion spring stiffness
- minimum restoring forces
- vibration damping

Rpm

Max. 10.000 min^{-1}

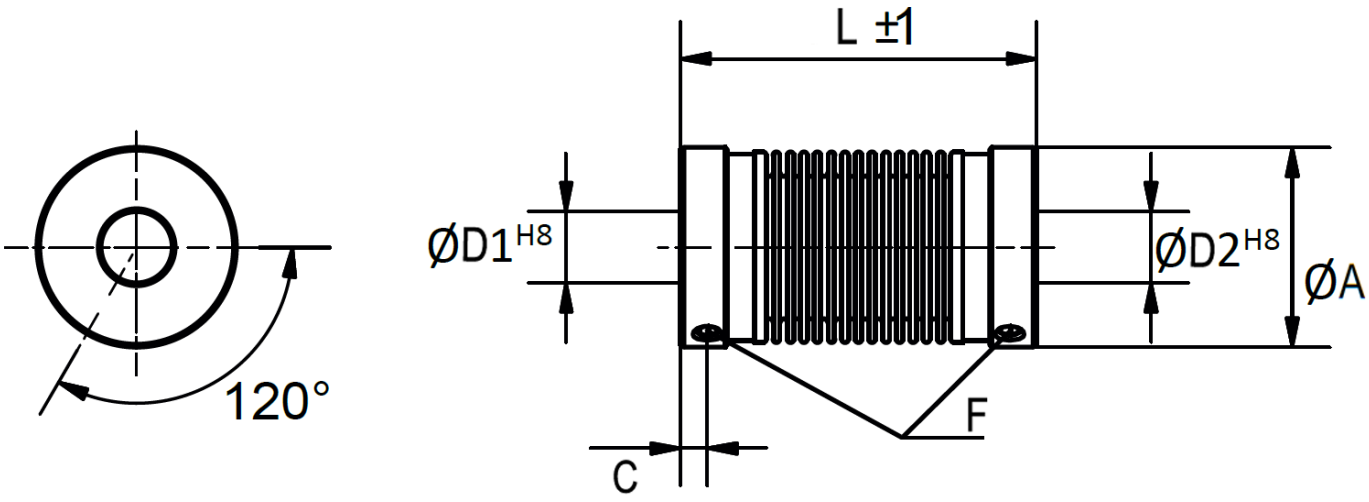
Material

- Bellows: Nickel
- Flange: Size 1223 stainless steel,
  Size 1730 and 2533 anodised aluminium

Temperature range

-30 bis 120°C

Product details BKNS



Size			1223	1730	2533
Torque	[Ncm]		13	39	328
Length	[mm]	L	23	31	33
Outer - Ø	[mm]	A	12	17	25
Distance	[mm]	C	2	2	2.3
Bore - Ø (H8)	[mm]	D_1 / D_2	2 / 3 / 4 / 5 / 6	4 / 5 / 6 / 6.3 / 8 / 10	6 / 8 / 10 / 12
Set screw ISO 4029		F	4x M2.5	4x M3	4x M3
Tightening torque	[Ncm]		79	132	132
Weight (Approx.)	[g]		10	10	19.5
Moment of Inertia	[g x cm^2]		1.85	3.81	1.61
Spring stiffness torsional	[Nm/rad]		28	80	462
Spring stiffness radial	[N/mm]		4.2	3	38.1
Misalignment radial	[mm]		±0.54	±0.72	±0.46
Misalignment axial	[mm]		±2.29	±3.09	±2.77
Misalignment agular	[°]		±15	±14	±8

Order code

Example:	BKNS1730 /	6 /	10
	Modell	Size	Bore D_1 [mm]	Bore D_2 [mm]