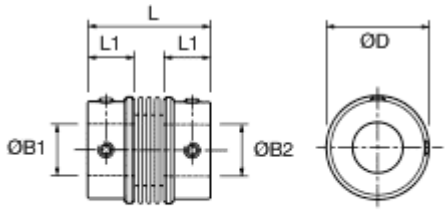
Stainless Steel Bellows Couplings, 3 Convolution with Set Screw Style Fixing



Dimensions and Order Codes

Coupling Size	Coupling Ref	ØD	L ±1.0	L1 (1)	ØB1, ØB2 max	Fasteners			Moment of inertia (3)	Mass (3)
						Screw	Torque (2)	Wrench		
		mm	mm	mm	mm		Nm	mm	$kgm^2 \times 10^{-8}$	$kg \times 10^{-3}$
20	530.20	20	31	11	8	M4	2.27	2	90	18
26	530.26	26	37.5	14	12	M5	4.62	2.5	350	35
34	530.34	34	40	14	16	M5	4.62	2.5	975	58
41	530.41	41	49.7	18	20	M6	7.61	3	2490	102

Table Notes:

1. Length of supported through bore. Shafts can near butt.
2. Maximum recommended tightening torque.
3. Values apply with max bores.

Materials & Finishes

Hubs:
Al. Alloy 2011T3 & 2011T8. Clear anodised finish.
Bellows:
Spring quality stainless steel.
Joint assembly:
Copper C106, heat treated Zinc plate, black chromate.
Fasteners:
Alloy Steel, black oiled

Temperature Range
-40°C to +120°C

Performance

Coupling Size	Ref.	Peak torque (4)	Max compensation			Flexural stiffness			
			Angular (5)	Radial (5)	Axial (5)	Torsional (6)	Angular	Radial	Axial
		Nm	deg	mm	mm	Nm/rad	N/deg	N/mm	N/mm
20	530.20	2	2	0.06	0.35	315	1.03	115	17.7
26	530.26	3.2	2	0.06	0.36	755	1.27	238	5.7
34	530.34	7.5	2.5	0.1	0.6	1740	1.34	227	6.6
41	530.41	10	2.5	0.15	0.8	2880	1.58	144	13.1

Table Notes:

4. Peak torque. Select a size where Peak Torque exceeds the application torque x service factor.
5. Max. compensation values are mutually exclusive.
6. Torsional stiffness values apply at 50% peak torque with no misalignment, measured shaft-to-shaft with largest standard bores. Note that in some vendors' catalogues the given torsional stiffness applies to the un-mounted bellows element only, an unrepresentative calculated value.