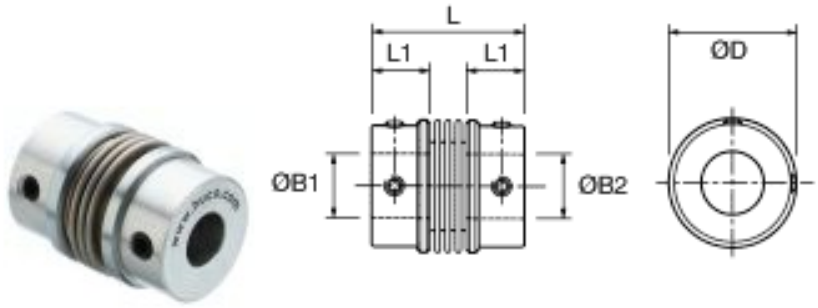
Flex-B

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	$kgm^2 \times 10^{-8}$	$kg \times 10^{-3}$
more	20	530.20	20	31	11	8	M4	2.27	2	90	18
more	26	530.26	26	37.5	14	12	M5	4.62	2.5	350	35
more	34	530.34	34	40	14	16	M5	4.62	2.5	975	58
more	41	530.41	41	49.7	18	20	M6	7.61	3	2490	102

Table Notes:

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

Materials & Finishes

Hubs:
Al. Alloy 2014 T6, Clear anodised, 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
more	20	530.20	2	2	0.06	0.35	315	1.03	115	17.7
more	26	530.26	3.2	2	0.06	0.36	755	1.27	238	5.7
more	34	530.34	7.5	2.5	0.1	0.6	1740	1.34	227	6.6
more	41	530.41	10	2.5	0.15	0.8	2880	1.58	144	13.1

Table Notes:

Peak torque. Select a size where Peak Torque exceeds the application torque x service factor.
Max. compensation values are mutually exclusive.
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.