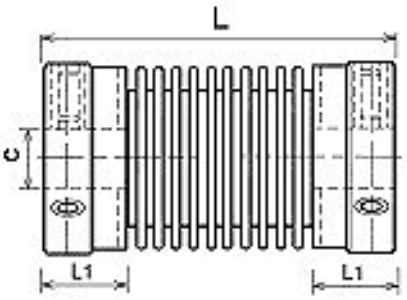
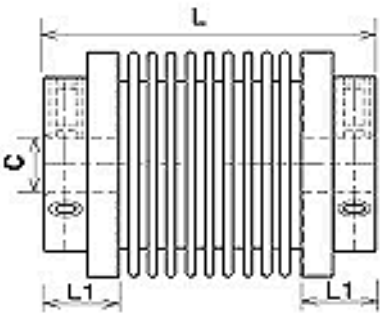
Flex-Ni

Electrodeposited Nickel Bellows Couplings with Set Screw Style Fixing







Dimensions and Order Codes

	Coupling Size	Coupling Ref	No. of Convolutions	Outside Diameter	Overall Length L	Max Shaft Depth L1	ØC max	Moment of inertia (1)	Mass	Fasteners		
										Screw	Torque (2)	Wrench
				mm	mm	mm	mm	$kgm^2 \times 10^{-8}$	$kg \times 10^{-3}$		Nm	mm
more	7	321.07	8	6.35	14	4	3.17	1.3	1.5	M2	0.41	0.9
more	12	321.12	14	12	23	6	6.35	18.5	10	M2.5	0.79	1.3
more	17	321.17	14	17	31	7	10	36.2	8.5	M3	1.32	1.5
more	25	321.25	10	25	33	7	12.7	161	19.5	M3	1.32	1.5
more	36	321.36	7	36.3	42.3	9.5	19.05	601	39	M5	5.10	3
more	50	321.50	11	51	59.3	10.5	20	952	52	M6	8.60	3

Table Notes:

Values apply with max bores.
Maximum recommended tightening torque.

Materials & Finishes

Hubs:
Aluminium alloy
Bellows:
Electrodeposited nickel

Temperature Range

-50°C to +120°C

Performance

	Coupling Size	Ref.	Peak torque (3)	Wind Up	Max compensation			Flexural stiffness			
					Angular (4)	Radial (4)	Axial (4)	Torsional (5)	Angular	Radial	Axial
			Nm	Arcs/Ncm	deg	mm	mm	Nm/rad	N/deg	N/mm	N/mm
more	7	321.07	0.05	285	10	0.19	0.65	-	-	-	-
more	12	321.12	0.13	75	15	0.54	1.72	-	-	-	-
more	17	321.17	0.50	20	10	0.43	1.78	-	-	-	-
more	25	321.25	3.28	4	8	0.46	2.07	-	-	-	-
more	36	321.36	9.18	1.2	6	0.46	3.28	-	-	-	-
more	50	321.50	16.24	0.6	8	1.12	6.1	-	-	-	-

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.