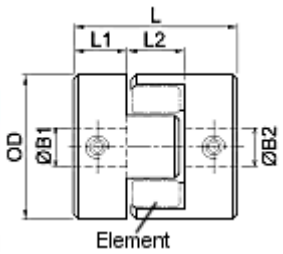
Through Bored Flexible Jaw Couplings with Set Screw Fixing Hubs (Flex G)



Dimensions and Order Codes

Coupling Size	Coupling Ref	ØD	L	L1 (1)	L2	ØB1 max (2)	Fasteners			Moment of inertia (4)	Mass (4)	Soft (blue) Element Ref.	Medium (white) Element Ref.
							Screw	Torque (3)	Wrench				
		mm	mm	mm	mm	mm		Nm	mm	$kgm^2 \times 10^{-8}$	$kg \times 10^{-3}$		
14	802.14	14	22	7	8	6.35	M3	0.94	1.5	18.4	7	804.14	805.14
20	802.20	20	30	10	10	9	M3	0.94	1.5	106	17	804.20	805.20
30	802.30	30	35	11	13	14	M4	2.27	2	606	51	804.30	805.30
40	802.40	40	66	25	16	16	M5	4.62	2.5	4230	108	804.40	805.40

Table Notes:

1. Maximum permissible hub penetration.
2. Hubs can be provided with keyways or 'D' bores.
3. Maximum recommended tightening torque.
4. Values apply to complete couplers with max bores.

Materials & Finishes

Hub sizes 14 to 30:
Al Alloy 2024.
Hub size 40:
Cast Aluminium LM9.
Elements
Polyurethane.

Temperature Range
-40°C to +80°C, up to 100°C for short durations.

Performance (AT 20°C WITH BLUE 80 SHORE A SPIDER ELEMENT)

Coupling Size	Max compensation		Speed max	Torsional Rate (5)	Stiffness (5)	Backlash Free Torque	Torque Nominal (6)	Torque Max
	Angular	Radial						
	deg	mm	rpm	deg/Nm	Nm/rad	Nm	Nm	Nm
14	2	0.1	40000	6.7	8.5	0.22	0.67	1.34
20	2	0.15	28000	3.37	17	0.45	1.8	3.6
30	2	0.2	19000	1.24	71	1	3.95	7.9
40	2	0.38	14000	0.34	170	2.4	4.85	9.7

Table Notes:

5. Values apply at 50% peak torque, measured shaft-to-shaft with largest standard bores.

6. Select a size where nominal torque exceeds application torque x service factor.

Performance (AT 20°C WITH WHITE 92 SHORE A SPIDER ELEMENT)

Coupling Size	Max compensation		Speed max	Torsional Rate (5)	Stiffness (5)	Backlash Free Torque	Torque Nominal (6)	Torque Max
	Angular	Radial						
	deg	mm	rpm	deg/Nm	Nm/rad	Nm	Nm	Nm
14	2	0.1	40000	3.9	14.7	0.22	1.12	2.24
20	2	0.15	28000	2.05	28	0.45	2.93	6
30	2	0.2	19000	0.4	143	1	7.33	14.6
40	2	0.38	14000	0.17	344	2.4	9.8	19.6

Table Notes:

5. Values apply at 50% peak torque, measured shaft-to-shaft with largest standard bores.
6. Select a size where nominal torque exceeds application torque x service factor.

Performance (AT 20°C WITH RED 98 SHORE A SPIDER ELEMENT)

Coupling Size	Max compensation		Speed max	Torsional Rate (5)	Stiffness (5)	Backlash Free Torque	Torque Nominal (6)	Torque Max
	Angular	Radial						
	deg	mm	rpm	deg/Nm	Nm/rad	Nm	Nm	Nm
14	2	0.1	40000	2.29	25	0.22	1.9	3.8
20	2	0.15	28000	1.22	47	0.45	4.85	9.7
30	2	0.2	19000	0.25	228	1	12.4	24.8
40	2	0.38	14000	0.1	573	2.4	16.7	33.4

Table Notes:

5. Values apply at 50% peak torque, measured shaft-to-shaft with largest standard bores.
6. Select a size where nominal torque exceeds application torque x service factor.