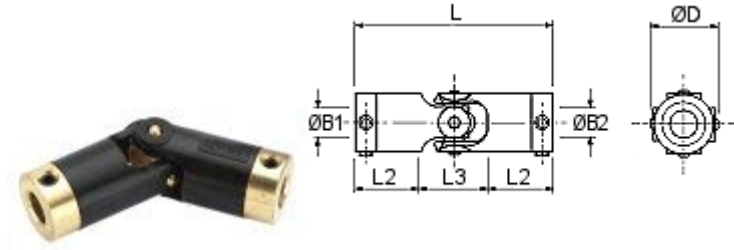


Plastic Universal Joints, Single Joint with Brass Yoke and Headed Inserts



* Max rotational speed: 1000rpm

Dimensions and Order Codes

Coupling Size	Coupling Ref	ØD	L	L1 (1)	L2 (2)	L3	L4	ØB1, ØB2 max	Fasteners Screw	Torque (3)	Wrench	Moment of inertia (4)	Mass (4)
		mm	mm	mm	mm	mm	mm	mm		Nm	mm	kgm ² x 10 ⁻⁸	kg x 10 ⁻³
more 6	103.06	7.1	27.2	-	9.3	8.6	-	3.18	M3	0.94	1.5	1.1	3.1
more 9	103.09	11.1	37.6	-	13.1	11.4	-	5	M3	0.94	1.5	13.5	9.3
more 13	103.13	14.3	46.2	-	15.7	14.8	-	6.35	M3	0.94	1.5	44.6	17.7
more 16	103.16	17.5	67.6	-	22.3	23	-	10	M4	2.27	2	136	35

Table Notes:

1. Recommended datum for cross-pinning/ screws, etc.
2. Max shaft penetration.
3. Maximum recommended tightening torque.
4. Values apply with max bores.

Materials & Finishes

Forked body members:

Acetal (black).

Cross pieces:

Brass BS2874 CZ121. Chromate & passivate finish.

Headed bore inserts (Ref. 103):

Brass BS2874 CZ121. Chromate & passivate finish.

Bore sleeves (Ref. 105):

Al. Alloy 2011T3 or T8.

Fasteners (Ref. 103):

Alloy Steel, black oiled.

Temperature Range
-20°C to +60°C

Performance

	Joint Size	Peak torque (5) Nm	Max compensation		Torsional Rate (6) deg/Nm	Stiffness (6) Nm/rad	Max end loading (7) N	Static break torque Nm
			Angular deg	Radial mm				
more	6	0.11	45	-	-	2.9	18	0.45
more	9	0.36	45	-	-	8.4	38	1.9
more	13	0.85	45	-	-	18	67	4.5
more	16	1.6	45	-	-	34	98	6.8
more	20	2.8	40	-	-	61	138	17
more	25	5.6	40	-	-	112	222	34
more	32	10.7	40	-	-	229	334	72

Table Notes:

5. Peak torque. Select a size where Peak Torque exceeds the adjusted torque.
6. Torsional stiffness values apply at 50% peak torque with no misalignment, measured shaft-to-shaft with largest standard bores.
7. With joints cross-pinned to shafts.