



Beam Couplings

- Multi-Beam
 - Single-Beam
 - Step-Beam
- **Torsionally rigid design**
 - **Zero backlash**
 - **No moving parts**
 - **Single beam simple coupling compatible with industry standard types**
 - **3-Beam single stage for increased torsional stiffness**
 - **6-Beam two stage for torsional stiffness and increased radial compliance**
 - **Step Beam for low inertia, electrical isolation, low cost**

Beam couplings will readily accommodate any combination of axial motion, angular and parallel misalignment.

The 3 start helical-cut design provides higher torque capability and reduced wind-up compared with single beam versions.

Multi-Beam is available in three standard materials: stainless steel, aluminium and acetal, for shaft diameters from 1mm to 38mm.



Step Beam Couplings - Nylon



Materials & Finishes

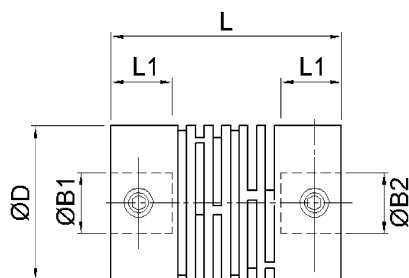
Couplings: Nylon type engineering polymer

Fasteners: Stainless Steel

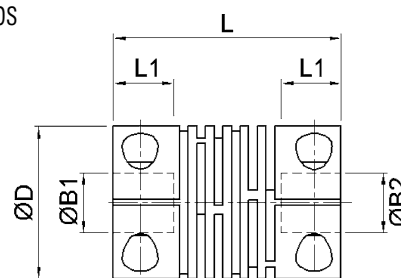
Temperature Range

-4°F to +302°F
(-20°C to +150°C)

Set Screw Hubs



Clamp Hubs



DIMENSIONS & ORDER CODES

Size	Set Screw Style	Clamp Style	Dimensions						Fasteners			
	Order Code		O.D. in. (mm)	O/A Length L in. (mm)	Max Shaft Depth L1 in. (mm)	Min Bore	Max Bore	Mass kg x 10-3	Set Screw	Cap Screw	Torque lb.-in. (Ncm)	A/F in. (mm)
25	636.25	-	0.98 (25)	1.42 (36)	0.39 (10.0)	6	12.7	17.4	M4	-	0.09 (1.0)	.079 (2.0)
	-	637.25							-	M3	0.08 (0.9)	.098 (2.5)

PERFORMANCE

Size	Peak Torque in. (Nm)	Torsional Stiffness (Nm/rad)	Max misalignment / displacement		
			Angular deg	Radial in. (mm)	Axial in. (mm)
25	0.98 (2.5)	18.0	5	.012 (0.3)	.012 (0.3)

AVAILABLE BORES

Sizes indicated in parenthesis are metric (mm).

Size	ØB1, ØB2 +0.0012/ -0 (+0.03mm/-0mm)							
	(6)	1/4"	5/16"	(8)	3/8"	(10)	(12)	1/2"
25	●	●	●	●	●	●	●	●
Bore Ref	22	24	27	28	31	32	35	36