

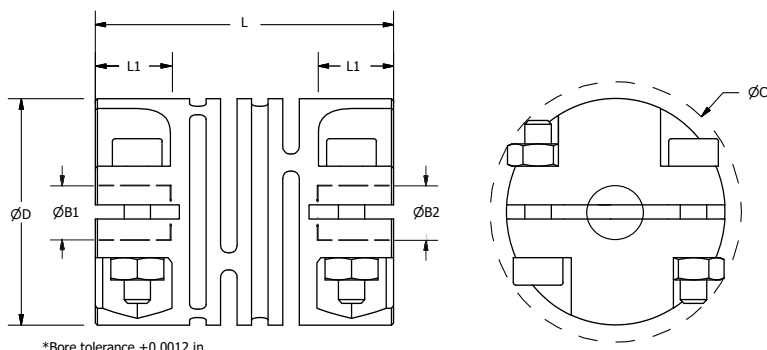
TLC

COUPLINGS

Clamp Style Step-Beam™

No Backlash - No Wind up

TLC



*Bore tolerance +0.0012 in.

Max RPM - Plain Bore = 10,000
Keyed Bore = 3,000

Part Number	ØD (in)	ØC (in)	L (in)	L1* (in)	Max Bore	Cap Screw	Weight (lb)	Max. Misalignment			Max Torque (in-lb)	Torsional Stiffness (in-lb/deg)
								Angular (deg)	Radial (in)	Axial (in)		
TLC25	0.98	1.050	1.50	0.39	0.500	M3	0.038	5	0.012	0.012	33	2.78

*L1 is the maximum shaft penetration depth

Part Number consists of part number and both Bore codes.
i.e., TLC25.2428 is a coupler with 1/4 by 8mm bores.

Registered Trade Mark USA and UK
Patented USA and UK

Inch Bores +.0005 / -0					
Bore Size	1/4	3/8	3/8	1/2	1/2
Bore Code	24	31		36	
Keyed Bore Code			31R	36R	

Metric Bores +.04 / -0						
6	8	8	10	10	12	12
22	28		32		35	
		28P		32P		35P

May be supplied with metal bore adaptor insert for small quantities or smaller bore sizes

Features

Temperature Range -4°F to +302°F (-20°C to +150°C)
Maximum torque is usable for reversing applications without derating
Embedded stainless hex nut provides high fastening strength
UV resistant
15% of the weight of aluminum beam couplings
Very low inertia

Materials

Coupling: Engineered Polymer
Fasteners: Stainless Steel

Performance is equal or superior to aluminum and plastic spiral beam couplings
Zero Backlash due to high torsional stiffness and no windup or unwinding as with spiral cut beam couplings
Statically balanced design allows higher speeds
Voltage and RF Isolation
Inch and metric bores available
All combinations of mixed bores available

Testing in your application is necessary. You will need to assess duty cycles and confirm suitability with your own calculations. All figures listed are to be used for guidance only.

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