



O.D. (D):	3.125 in (79.4 mm)	Torsional Stiffness:	395.5 Nm/Deg
Brand:	Ruland	Screw Material:	Alloy Steel
Angular Misalignment:	2.0 deg	B2 Max Shaft Penetration:	44.5 mm
Zero-Backlash?:	Yes	Bore (B1):	42 mm
Balanced Design:	Yes	Bore (B2):	42 mm
UNSPC:	31163018	Keyway:	Yes
Cap Screw:	M8	Keyway (K1):	12 mm
Static Torque:	152 Nm	Keyway (K2):	12 mm
Dynamic Torque Reversing:	38 Nm	B1 Max Shaft Penetration:	44.5 mm
Hex Wrench Size:	6.0 mm	Seating Torque:	39 Nm
Dynamic Torque Non-Reversing:	76 Nm	Length (L):	3.808 in (96.7 mm)
Maximum Speed:	10000 RPM	Screw Finish:	Black Oxide
Parallel Misalignment:	0.30 mm	Bore Tolerance:	+0.03 mm / -0.00 mm
Axial Motion:	0.76 mm	ISO 9001:2015:	Certified
Bellows Attachment Method:	Epoxy	REACH:	Compliant
Length Tolerance:	+/- 0.76 mm	RoHS3:	Compliant
Recommended Hex Key:	Metric Hex Keys	Conflict Minerals:	Compliant
B1 Min Shaft Penetration:	22.2 mm	Tariff Code:	8483.60.8000
Temperature:	-40°F to 200°F (-40°C to 93°C)	Number of Screws:	2
Product Group:	Bellows Coupling Standard Length	Material:	Aluminum
Shaft Tolerance:	+0.000 mm / -0.013 mm	B2 Min Shaft Penetration:	22.2 mm

COMPONENT	Bellows Coupling Standard Length
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MBCK80-42-42-A
Ruland
42mm X 42mm Bores, 79.4mm, Od,
96.9mm Length, Bellows Coupling With
Keyways, High Stiffness, Aluminum

UNIT

Metric

SHEET