



O.D. (D):	1.625 in (41.3 mm)	Static Torque:	28.0 Nm
Brand:	Ruland	Screw Material:	Alloy Steel
Dynamic Torque Reversing:	7.00 Nm	Bore Tolerance:	+0.03 mm / -0.00 mm
Shaft Tolerance:	+0.000 mm / -0.013 mm	Material:	Aluminum
Zero-Backlash?:	Yes	Bore (B1):	18 mm
Balanced Design:	Yes	Bore (B2):	18 mm
UNSPC:	31163018	Keyway:	No
Cap Screw:	M4	B1 Max Shaft Penetration:	24.0 mm
Dynamic Torque Non-Reversing:	14.00 Nm	B2 Max Shaft Penetration:	24.0 mm
Hex Wrench Size:	3.0 mm	Seating Torque:	4.6 Nm
Maximum Speed:	10000 RPM	Screw Finish:	Black Oxide
Torsional Stiffness:	63 Nm/Deg	Length (L):	2.035 in (51.7 mm)
Angular Misalignment:	2.0 deg	ISO 9001:2015:	Certified
Parallel Misalignment:	0.25 mm	REACH:	Compliant
Axial Motion:	0.50 mm	RoHS3:	Compliant
Bellows Attachment Method:	Epoxy	Conflict Minerals:	Compliant
Length Tolerance:	+/- 0.76 mm	Tariff Code:	8483.60.8000
Temperature:	-40°F to 200°F (-40°C to 93°C)	Number of Screws:	2 ea
Product Group:	Bellows Coupling Standard Length	Recommended Hex Key:	Metric Hex Keys

COMPONENT	Bellows Coupling Standard Length
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MBC41-18-18-A
Ruland
18mm X 18mm Bores, 41.3mm Od, 51.7mm
Length, Bellows Coupling, High Stiffness,
Aluminum

UNIT

Metric

SHEET