



Brand:	Ruland	Bore Tolerance:	+0.001 in / -0.000 in
Torsional Stiffness:	3500 lb-in/deg	B2 Max Shaft Penetration:	1.750 in
Shaft Tolerance:	+0.0000 in / -0.0005 in	Material:	Aluminum
Zero-Backlash?:	Yes	Bore (B1):	1.2500 in
Balanced Design:	Yes	Bore (B2):	1.1250 in
UNSPC:	31163018	Keyway:	Yes
Cap Screw:	M8	Keyway (K1):	1/4 in
Static Torque:	1350 lb-in	Keyway (K2):	1/4 in
Dynamic Torque Reversing:	337.5 lb-in	B1 Max Shaft Penetration:	1.750 in
Hex Wrench Size:	6.0 mm	Seating Torque:	39 Nm
Maximum Speed:	10000 RPM	Screw Material:	Alloy Steel
Angular Misalignment:	2.0 deg	Length (L):	3.808 in (96.7 mm)
Parallel Misalignment:	0.012 in	Screw Finish:	Black Oxide
Axial Motion:	0.030 in	ISO 9001:2015:	Certified
Bellows Attachment Method:	Epoxy	REACH:	Compliant
Length Tolerance:	+/- 0.030 in	RoHS3:	Compliant
Recommended Hex Key:	Metric Hex Keys	Conflict Minerals:	Compliant
B1 Min Shaft Penetration:	0.875 in	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	O.D. (D):	3.125 in (79.4 mm)
Dynamic Torque Non-Reversing:	675 lb-in	B2 Min Shaft Penetration:	0.875 in

COMPONENT	Bellows Coupling Standard Length
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BCK50-20-18-A
Ruland
1 1/4" X 1 1/8" Bores, 3.125", Od, 3.816"
Length, Bellows Coupling With Keyways,
High Stiffness, Aluminum

UNIT

Inch

SHEET