



Brand	Ruland
Number of Screws	2 ea
Material	Aluminum
Bore (B1)	12 mm
Bore (B2)	12 mm
Keyway	Yes
Keyway (K1)	4 mm
Keyway (K2)	4 mm
B2 Max Shaft Penetration	27.9 mm
Bore Tolerance	+0.03 mm / -0.00 mm
B1 Max Shaft Penetration	27.9 mm
Screw Material	Alloy Steel
Screw Finish	Black Oxide
ISO 9001:2015	Certified
REACH	Compliant
RoHS3	Compliant
Conflict Minerals	Compliant
Tariff Code	8483.60.8000
O.D. (D)	2.000 in (50.8 mm)
Length (L)	2.413 in (61.3 mm)
Static Torque	45.2 Nm
Dynamic Torque Non-Reversing	22.60 Nm
Temperature	-40°F to 200°F (-40°C to 93°C)
Product Group	Bellows Coupling Standard Length
Shaft Tolerance	+0.000 mm / -0.013 mm
Zero-Backlash?	Yes
Balanced Design	Yes
UNSPC	31163018
Cap Screw	M5
Hex Wrench Size	4.0 mm
Seating Torque	9.5 Nm
Dynamic Torque Reversing	11.30 Nm
Torsional Stiffness	108 Nm/Deg
Angular Misalignment	2.0 deg
Parallel Misalignment	0.25 mm
Axial Motion	0.50 mm
Bellows Attachment Method	Epoxy
Length Tolerance	+/- 0.76 mm
Maximum Speed	10000 RPM
Recommended Hex Key	Metric Hex Keys



COMPONENT

Bellows Coupling Standard Length



Pacific International Bearing, Inc.
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MBCK51-12-12-A
Ruland
12mm X 12mm Bores, 50.8mm Od, 61.3mm Length, Bellows Coupling
With Keyways, High Stiffness, Aluminum

UNIT
Metric
SHEET