



Brand	Ruland
Screw Material	Alloy Steel
Material	Aluminum
Bore (B1)	18 mm
Bore (B2)	12 mm
Keyway	No
B1 Max Shaft Penetration	27.9 mm
B2 Max Shaft Penetration	27.9 mm
Seating Torque	9.5 Nm
Bore Tolerance	+0.03 mm / -0.00 mm
Screw Finish	Black Oxide
ISO 9001:2015	Certified
REACH	Compliant
RoHS3	Compliant
Conflict Minerals	Compliant
Tariff Code	8483.60.8000
Number of Screws	2 ea
O.D. (D)	2.000 in (50.8 mm)
Length (L)	2.413 in (61.3 mm)
Static Torque	45.2 Nm
Maximum Speed	10000 RPM
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
Dynamic Torque Non-Reversing	22.60 Nm
Dynamic Torque Reversing	11.30 Nm
Hex Wrench Size	4.0 mm
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
Temperature	-40°F to 200°F (-40°C to 93°C)
Recommended Hex Key	Metric Hex Keys



COMPONENT

Bellows Coupling Standard Length



Pacific International Bearing, Inc.
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MBC51-18-12-A
Ruland
18mm X 12mm Bores, 50.8mm Od, 61.3mm Length, Bellows Coupling,
High Stiffness, Aluminum

UNIT

Metric

SHEET