



Brand	Ruland
Screw Material	Alloy Steel
Material	Aluminum
Bore (B1)	0.2500 in
Bore (B2)	5 mm
Keyway	No
B1 Max Shaft Penetration	0.570 in (14.5 mm)
B2 Max Shaft Penetration	0.570 in (14.5 mm)
Seating Torque	1.21 Nm
Bore Tolerance	+0.001 in / -0.000 in (+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)	0.750 in (19.1 mm)
Length (L)	1.306 in (33.2 mm)
Static Torque	40 lb-in (4.5 Nm)
Maximum Speed	10000 RPM
Product Group	Bellows Coupling Standard Length
Shaft Tolerance	+0.0000 in / -0.0005 in +0.000 mm / -0.013 mm
Zero-Backlash?	Yes
Balanced Design	Yes
UNSPC	31163018
Cap Screw	M2.5
Dynamic Torque Non-Reversing	20 lb-in (2.25 Nm)
Dynamic Torque Reversing	10 lb-in (1.13 Nm)
Hex Wrench Size	2.0 mm
Torsional Stiffness	120 lb-in/Deg (14 Nm/Deg)
Angular Misalignment	1.5 deg
Parallel Misalignment	0.004 in (0.10 mm)
Axial Motion	0.010 in (0.25 mm)
Bellows Attachment Method	Epoxy
Length Tolerance	+/- 0.030 in (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.
33258 Central Ave. Union City, CA 94587 1-800-228-8895,
510-512-7000,
info@pibsales.com
www.pibsales.com

This file and any associated information and specifications are provided for reference and evaluation purposes only, and is subject to change without notice. PIB makes no representations, warranties or guarantees as to the appropriateness, accuracy, completeness, or suitability for any purpose, of the file, information or specifications. You are solely responsible for the use of the file, information or specifications.

BC12-1/4"-5MM-A
Ruland
1/4" X 5mm Bores, 0.750" (19.1mm), Od, 1.306" (33.2mm) Length,
Bellows Coupling, High Stiffness, Aluminum

UNIT
Inch/Metric
SHEET