



Brand	Ruland
Number of Screws	2 ea
Material	Aluminum
Bore (B1)	18 mm
Bore (B2)	14 mm
Keyway	Yes
Keyway (K1)	6 mm
Keyway (K2)	5 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.
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.

MBCK51-18-14-A
Ruland
18mm X 14mm Bores, 50.8mm Od, 61.3mm Length, Bellows Coupling
With Keyways, High Stiffness, Aluminum

UNIT
Metric
SHEET