





|                              |                                               |
|------------------------------|-----------------------------------------------|
| Brand                        | Ruland                                        |
| Screw Material               | Alloy Steel                                   |
| Material                     | Aluminum                                      |
| Bore (B1)                    | 0.2500 in                                     |
| Bore (B2)                    | 6 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

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**BC12-1/4"-6MM-A**  
**Ruland**  
1/4" X 6mm Bores, 0.750" (19.1mm), Od, 1.306" (33.2mm) Length,  
Bellows Coupling, High Stiffness, Aluminum

UNIT

Inch/Metric

SHEET