



|                            |                                  |                               |                       |
|----------------------------|----------------------------------|-------------------------------|-----------------------|
| O.D. (D):                  | 3.125 in (79.4 mm)               | Dynamic Torque Non-Reversing: | 675 lb-in             |
| Brand:                     | Ruland                           | Bore Tolerance:               | +0.001 in / -0.000 in |
| Torsional Stiffness:       | 3500 lb-in/deg                   | B2 Max Shaft Penetration:     | 1.750 in              |
| Shaft Tolerance:           | +0.0000 in / -0.0005 in          | Material:                     | Aluminum              |
| Zero-Backlash?:            | Yes                              | Bore (B1):                    | 1.7500 in             |
| Balanced Design:           | Yes                              | Bore (B2):                    | 1.1250 in             |
| UNSPC:                     | 31163018                         | Keyway:                       | Yes                   |
| Cap Screw:                 | M8                               | Keyway (K1):                  | 3/8 in                |
| Static Torque:             | 1350 lb-in                       | Keyway (K2):                  | 1/4 in                |
| Dynamic Torque Reversing:  | 337.5 lb-in                      | B1 Max Shaft Penetration:     | 1.750 in              |
| Hex Wrench Size:           | 6.0 mm                           | Seating Torque:               | 39 Nm                 |
| Maximum Speed:             | 10000 RPM                        | Screw Material:               | Alloy Steel           |
| Angular Misalignment:      | 2.0 deg                          | Length (L):                   | 3.808 in (96.7 mm)    |
| Parallel Misalignment:     | 0.012 in                         | Screw Finish:                 | Black Oxide           |
| Axial Motion:              | 0.030 in                         | ISO 9001:2015:                | Certified             |
| Bellows Attachment Method: | Epoxy                            | REACH:                        | Compliant             |
| Length Tolerance:          | +/- 0.030 in                     | RoHS3:                        | Compliant             |
| Recommended Hex Key:       | Metric Hex Keys                  | Conflict Minerals:            | Compliant             |
| B1 Min Shaft Penetration:  | 0.875 in                         | Tariff Code:                  | 8483.60.8000          |
| Temperature:               | -40°F to 200°F (-40°C to 93°C)   | Number of Screws:             | 2                     |
| Product Group:             | Bellows Coupling Standard Length | B2 Min Shaft Penetration:     | 0.875 in              |

|           |                                  |
|-----------|----------------------------------|
| 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.

**BCK50-28-18-A**  
**Ruland**  
1 3/4" X 1 1/8" Bores, 3.125", Od, 3.816"  
Length, Bellows Coupling With Keyways,  
High Stiffness, Aluminum

UNIT

Inch

SHEET