



|                               |                                  |                           |                       |
|-------------------------------|----------------------------------|---------------------------|-----------------------|
| O.D. (D):                     | 2.750 in (69.9 mm)               | Dynamic Torque Reversing: | 231.3 lb-in           |
| Brand:                        | Ruland                           | Hex Wrench Size:          | 6.0 mm                |
| Maximum Speed:                | 10000 RPM                        | Screw Finish:             | Black Oxide           |
| Zero-Backlash?:               | Yes                              | Material:                 | Aluminum              |
| Balanced Design:              | Yes                              | Bore (B1):                | 1.0000 in             |
| UNSPC:                        | 31163018                         | Bore (B2):                | 0.7500 in             |
| Cap Screw:                    | M8                               | Keyway:                   | No                    |
| Static Torque:                | 925 lb-in                        | B1 Max Shaft Penetration: | 1.582 in              |
| Dynamic Torque Non-Reversing: | 462.5 lb-in                      | B2 Max Shaft Penetration: | 1.582 in              |
| Temperature:                  | -40°F to 200°F (-40°C to 93°C)   | Screw Material:           | Alloy Steel           |
| Angular Misalignment:         | 2.0 deg                          | Bore Tolerance:           | +0.001 in / -0.000 in |
| Torsional Stiffness:          | 2100 lb-in/Deg                   | Length (L):               | 3.431 in (87.1 mm)    |
| Parallel Misalignment:        | 0.012 in                         | ISO 9001:2015:            | Certified             |
| Axial Motion:                 | 0.030 in                         | REACH:                    | Compliant             |
| Bellows Attachment Method:    | Epoxy                            | RoHS3:                    | Compliant             |
| Length Tolerance:             | +/- 0.030 in                     | Conflict Minerals:        | Compliant             |
| Recommended Hex Key:          | Metric Hex Keys                  | Tariff Code:              | 8483.60.8000          |
| B1 Min Shaft Penetration:     | 0.750 in                         | Number of Screws:         | 2 ea                  |
| Product Group:                | Bellows Coupling Standard Length | Seating Torque:           | 39 Nm                 |
| Shaft Tolerance:              | +0.0000 in / -0.0005 in          | B2 Min Shaft Penetration: | 0.750 in              |

|           |                                  |
|-----------|----------------------------------|
| COMPONENT | Bellows Coupling Standard Length |
|-----------|----------------------------------|



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**BC44-16-12-A**  
**Ruland**  
1" X 3/4" Bores, 2.750" Od, 3.431" Length,  
Bellows Coupling, High Stiffness,  
Aluminum

|       |
|-------|
| UNIT  |
| Inch  |
| SHEET |