



|                            |                                  |                               |                       |
|----------------------------|----------------------------------|-------------------------------|-----------------------|
| 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):                    | 1.5000 in             |
| Balanced Design:           | Yes                              | Bore (B2):                    | 1.5000 in             |
| UNSPC:                     | 31163018                         | Keyway:                       | Yes                   |
| Cap Screw:                 | M8                               | Keyway (K1):                  | 3/8 in                |
| Static Torque:             | 1350 lb-in                       | Keyway (K2):                  | 3/8 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



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**BCK50-24-24-A**  
**Ruland**  
1 1/2" X 1 1/2" Bores, 3.125", Od, 3.816"  
Length, Bellows Coupling With Keyways,  
High Stiffness, Aluminum

UNIT

Inch

SHEET