



|                                   |                                                  |                              |                                                |
|-----------------------------------|--------------------------------------------------|------------------------------|------------------------------------------------|
| O.D. (D):                         | 1.313 in (33.3 mm)                               | Static Torque:               | 120 lb-in (13.6 Nm)                            |
| Brand:                            | Ruland                                           | Number of Screws:            | 2 ea                                           |
| Seating Torque:                   | 2.1 Nm                                           | Bore Tolerance:              | +0.001 in / -0.000 in<br>(+0.03 mm / -0.00 mm) |
| Product Group:                    | Bellows Coupling -<br>Extended Length            | Material:                    | Aluminum                                       |
| Shaft Tolerance:                  | +0.0000 in / -0.0005 in<br>+0.000 mm / -0.013 mm | Bore (B1):                   | 8 mm                                           |
| Zero-Backlash?:                   | Yes                                              | Bore (B2):                   | 0.3125 in                                      |
| Balanced Design:                  | Yes                                              | Keyway:                      | Yes                                            |
| UNSPC:                            | 31163018                                         | Keyway (K1):                 | 2 mm                                           |
| Cap Screw:                        | M3                                               | Keyway (K2):                 | NK                                             |
| Hex Wrench Size:                  | 2.5 mm                                           | B2 Max Shaft<br>Penetration: | 0.935 in (23.7 mm)                             |
| Dynamic Torque<br>Reversing:      | 30 lb-in (3.40 Nm)                               | B1 Max Shaft<br>Penetration: | 0.935 in (23.7 mm)                             |
| Dynamic Torque Non-<br>Reversing: | 60 lb-in (6.80 Nm)                               | Length (L):                  | 1.962 in (49.8 mm)                             |
| Torsional Stiffness:              | 300 lb-in/Deg (33.9<br>Nm/Deg)                   | Screw Material:              | Alloy Steel                                    |
| Angular Misalignment:             | 3.0 deg                                          | Screw Finish:                | Black Oxide                                    |
| Parallel Misalignment:            | 0.012 in (0.30 mm)                               | ISO 9001:2015:               | Certified                                      |
| Axial Motion:                     | 0.032 in (0.81 mm)                               | REACH:                       | Compliant                                      |
| Bellows Attachment<br>Method:     | Epoxy                                            | RoHS3:                       | Compliant                                      |
| Length Tolerance:                 | +/- 0.030 in (0.76 mm)                           | Conflict Minerals:           | Compliant                                      |
| Maximum Speed:                    | 10000 RPM                                        | Tariff Code:                 | 8483.60.8000                                   |
| Temperature:                      | -40°F to 200°F (-40°C to<br>93°C)                | Recommended Hex<br>Key:      | Metric Hex Keys                                |

COMPONENT

Bellows Coupling - Extended  
Length



Pacific International Bearing, Inc.  
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**BCLK21-8MM-5/16"-A**  
**Ruland**  
8mm X 5/16" Bellows Coupling With  
Keyways Bores, 1.313" (33.3mm) Od., 1.962"  
(49.8mm) Length, Bellows Coupling With  
Keyways, Increased Misalignment,  
Aluminum

|             |
|-------------|
| UNIT        |
| Inch/Metric |
| SHEET       |