





|                              |                                               |
|------------------------------|-----------------------------------------------|
| Brand                        | Ruland                                        |
| Number of Screws             | 2 ea                                          |
| Material                     | Aluminum                                      |
| Bore (B1)                    | 1.0000 in                                     |
| Bore (B2)                    | 20 mm                                         |
| Keyway                       | Yes                                           |
| Keyway (K1)                  | 1/4 in                                        |
| Keyway (K2)                  | 6 mm                                          |
| B2 Max Shaft Penetration     | 1.099 in (27.9 mm)                            |
| Bore Tolerance               | +0.001 in / -0.000 in (+0.03 mm / -0.00 mm)   |
| B1 Max Shaft Penetration     | 1.099 in (27.9 mm)                            |
| Screw Material               | Alloy Steel                                   |
| Screw Finish                 | Black Oxide                                   |
| ISO 9001:2015                | Certified                                     |
| REACH                        | Compliant                                     |
| RoHS3                        | Compliant                                     |
| Conflict Minerals            | Compliant                                     |
| Tariff Code                  | 8483.60.8000                                  |
| O.D. (D)                     | 2.000 in (50.8 mm)                            |
| Length (L)                   | 2.413 in (61.3 mm)                            |
| Static Torque                | 400 lb-in (45.2 Nm)                           |
| Dynamic Torque Non-Reversing | 200 lb-in (22.60 Nm)                          |
| Temperature                  | -40°F to 200°F (-40°C to 93°C)                |
| 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                    | M5                                            |
| Hex Wrench Size              | 4.0 mm                                        |
| Seating Torque               | 9.5 Nm                                        |
| Dynamic Torque Reversing     | 100 lb-in (11.30 Nm)                          |
| Torsional Stiffness          | 950 lb-in/Deg (108 Nm/Deg)                    |
| Angular Misalignment         | 2.0 deg                                       |
| Parallel Misalignment        | 0.010 in (0.25 mm)                            |
| Axial Motion                 | 0.020 in (0.51 mm)                            |
| Bellows Attachment Method    | Epoxy                                         |
| Length Tolerance             | +/- 0.030 in (0.76 mm)                        |
| Maximum Speed                | 10000 RPM                                     |
| Recommended Hex Key          | Metric Hex Keys                               |



COMPONENT

Bellows Coupling Standard Length



Pacific International Bearing, Inc.  
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**BCK32-1"-20MM-A**  
**Ruland**  
1" X 20mm Bores, 2.000" (50.8mm), Od, 2.413" (61.3mm) Length, Bellows  
Coupling With Keyways, High Stiffness, Aluminum

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