



|                               |                                                  |                           |                                                  |
|-------------------------------|--------------------------------------------------|---------------------------|--------------------------------------------------|
| O.D. (D):                     | 0.750 in (19.1 mm)                               | Number of Screws:         | 2 ea                                             |
| Brand:                        | Ruland                                           | Length (L):               | 1.250 in (31.8 mm)                               |
| Forged Set Screw:             | M4                                               | B2 Max Shaft Penetration: | 0.607 in (15.4 mm)                               |
| Maximum Speed:                | 6000 RPM                                         | Material:                 | Aluminum                                         |
| Temperature:                  | -40°F to 225°F (-40°C to 107°C)                  | Bore (B1):                | 0.2500 in                                        |
| Country of Origin:            | USA                                              | Bore (B2):                | 6 mm                                             |
| Product Group:                | F-Series Six Beam Coupling                       | Keyway:                   | No                                               |
| Shaft Tolerance:              | +0.0000 in / -0.0005 in<br>+0.000 mm / -0.013 mm | B1 Max Shaft Penetration: | 0.607 in (15.4 mm)                               |
| Zero-Backlash?:               | Yes                                              | Bore Tolerance:           | +0.001 in / -0.000 in<br>(+0.025 mm / -0.000 mm) |
| UNSPC:                        | 31163003                                         | Tariff Code:              | 8483.60.8000                                     |
| Seating Torque:               | 1.76 Nm                                          | Screw Material:           | Alloy Steel                                      |
| Static Torque:                | 26 lb-in (2.94 Nm)                               | Screw Finish:             | Black Oxide                                      |
| Dynamic Torque Non-Reversing: | 13 lb-in (1.47 Nm)                               | ISO 9001:2015:            | Certified                                        |
| Dynamic Torque Reversing:     | 6.5 lb-in (0.74 Nm)                              | REACH:                    | Compliant                                        |
| Torsional Stiffness:          | 0.152 Deg/lb-in (1.35 Deg/Nm)                    | RoHS3:                    | Compliant                                        |
| Angular Misalignment:         | 3.0 deg                                          | Conflict Minerals:        | Compliant                                        |
| Parallel Misalignment:        | 0.008 in (0.20 mm)                               | Axial Motion:             | 0.005 in (0.13 mm)                               |
| Hex Wrench Size:              | 2.0 mm                                           |                           |                                                  |

COMPONENT

F-Series Six Beam Coupling



Pacific International Bearing, Inc.  
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**FSR12-1/4"-6MM-A**  
**Ruland**  
1/4" X 6mm Bores, 0.750" Od 1.250" Length,  
Six Beam Coupling, Aluminum Set Screw  
Style

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