



|                               |  |                           |  |
|-------------------------------|--|---------------------------|--|
| Brand:                        | Ruland   | Bore Tolerance:           | +0.001 in / -0.000 in<br>(+0.025 mm / -0.000 mm) |
| UNSPC:                        | 31163003   | Number of Screws:         | 4 ea   |
| Maximum Speed:                | 6000 RPM   | Tariff Code:              | 8483.60.8000                                     |
| Temperature:                  | -40°F to 350°F (-40°C to 176°C)                  | Conflict Minerals:        | Compliant  |
| Country of Origin:            | USA  | RoHS3:                    | Compliant  |
| Product Group:                | P-Series 4 Beam Couplings Set Screw              | REACH:                    | Compliant  |
| Shaft Tolerance:              | +0.0000 in / -0.0005 in<br>+0.000 mm / -0.013 mm | ISO 9001:2015:            | Certified  |
| Zero-Backlash?:               | Yes  | Screw Finish:             | Black Oxide                                      |
| Seating Torque:               | 0.21 Nm  | Screw Material:           | Alloy Steel                                      |
| Forged Set Screw:             | M2   | O.D. (D):                 | 0.500 in (12.7 mm)                               |
| Static Torque:                | 11 lb-in (1.24 Nm)                               | B2 Max Shaft Penetration: | 0.356 in (9.0 mm)                                |
| Dynamic Torque Non-Reversing: | 5.5 lb-in (0.62 Nm)                              | B1 Max Shaft Penetration: | 0.356 in (9.0 mm)                                |
| Dynamic Torque Reversing:     | 2.75 lb-in (0.31 Nm)                             | Keyway:                   | No   |
| Torsional Stiffness:          | 0.368 Deg/lb-in (3.26 Deg/Nm)                    | Bore (B2):                | 3 mm   |
| Angular Misalignment:         | 3.0 deg  | Bore (B1):                | 0.1250 in  |
| Parallel Misalignment:        | 0.008 in (0.20 mm)                               | Material:                 | 303 Stainless Steel                              |
| Hex Wrench Size:              | 0.9 mm   | Axial Motion:             | 0.005 in (0.13 mm)                               |

COMPONENT

P-Series Four Beam Coupling



Pacific International Bearing, Inc.  
33258 Central Ave, Union City, CA 94587  
1-800-228-8895, 510-512-7000,  
info@pibsales.com  
www.pibsales.com

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**PSR8-1/8"-3MM-SS**  
**Ruland**  
1/8" X 3mm Bores, 0.500" Od, 0.750"  
Length, Four Beam Coupling, Stainless  
Steel Set Screw Style

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