



|                               |                                                  |                           |                                                  |
|-------------------------------|--------------------------------------------------|---------------------------|--------------------------------------------------|
| O.D. (D):                     | 1.250 in (31.8 mm)                               | Hex Wrench Size:          | 3.0 mm                                           |
| 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:               | 7.2 Nm                                           | Screw Material:           | Alloy Steel                                      |
| Forged Set Screw:             | M6                                               | B2 Max Shaft Penetration: | 0.695 in (17.6 mm)                               |
| Static Torque:                | 70 lb-in (7.91 Nm)                               | B1 Max Shaft Penetration: | 0.695 in (17.6 mm)                               |
| Dynamic Torque Non-Reversing: | 35 lb-in (3.96 Nm)                               | Keyway:                   | No                                               |
| Dynamic Torque Reversing:     | 17.5 lb-in (1.98 Nm)                             | Bore (B2):                | 7 mm                                             |
| Torsional Stiffness:          | 0.064 Deg/lb-in (0.57 Deg/Nm)                    | Bore (B1):                | 0.5000 in                                        |
| Angular Misalignment:         | 3.0 deg                                          | Material:                 | 303 Stainless Steel                              |
| Parallel Misalignment:        | 0.015 in (0.38 mm)                               | Axial Motion:             | 0.010 in (0.25 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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**PSR20-1/2"-7MM-SS**  
**Ruland**  
1/2" X 7mm Bores, 1.250" Od, 1.500" Length,  
Four Beam Coupling, Stainless Steel Set  
Screw Style

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