



|                               |                                                  |                           |                                                  |
|-------------------------------|--------------------------------------------------|---------------------------|--------------------------------------------------|
| 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 225°F (-40°C to 107°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:                | 64.0 lb-in (7.23 Nm)                             | B1 Max Shaft Penetration: | 0.695 in (17.6 mm)                               |
| Dynamic Torque Non-Reversing: | 32 lb-in (3.62 Nm)                               | Keyway:                   | No                                               |
| Dynamic Torque Reversing:     | 16 lb-in (1.81 Nm)                               | Bore (B2):                | 0.2500 in                                        |
| Torsional Stiffness:          | 0.060 Deg/lb-in (0.53 Deg/Nm)                    | Bore (B1):                | 8 mm                                             |
| Angular Misalignment:         | 3.0 deg                                          | Material:                 | Aluminum                                         |
| 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

This file and any associated information and specifications are provided for reference and evaluation purposes only, and is subject to change without notice. PIB makes no representations, warranties or guarantees as to the appropriateness, accuracy, completeness, or suitability for any purpose, of the file, information or specifications. You are solely responsible for the use of the file, information or specifications.

**PSR20-8MM-1/4"-A**  
**Ruland**  
8mm X 1/4" Bores, 1.250" Od, 1.500"  
Length, Four Beam Coupling, Aluminum  
Set Screw Style

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