



|                               |                                     |                           |                       |
|-------------------------------|-------------------------------------|---------------------------|-----------------------|
| Brand:                        | Ruland                              | Bore Tolerance:           | +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:              | +0.000 mm / -0.013 mm               | ISO 9001:2015:            | Certified             |
| Zero-Backlash?:               | Yes                                 | Screw Finish:             | Black Oxide           |
| Seating Torque:               | 1.76 Nm                             | Screw Material:           | Alloy Steel           |
| Forged Set Screw:             | M4                                  | O.D. (D):                 | 0.875 in (22.2 mm)    |
| Static Torque:                | 2.26 Nm                             | B2 Max Shaft Penetration: | 12.7 mm               |
| Dynamic Torque Non-Reversing: | 1.13 Nm                             | B1 Max Shaft Penetration: | 12.7 mm               |
| Dynamic Torque Reversing:     | 0.57 Nm                             | Keyway:                   | No                    |
| Torsional Stiffness:          | 1.49 Deg/Nm                         | Bore (B2):                | 5 mm                  |
| Angular Misalignment:         | 3.0 deg                             | Bore (B1):                | 5 mm                  |
| Parallel Misalignment:        | 0.20 mm                             | Material:                 | Aluminum              |
| Hex Wrench Size:              | 2.0 mm                              | Axial Motion:             | 0.13 mm               |



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.

COMPONENT

P-Series Four Beam Coupling

**PSMR22-5-5-A**

**Ruland**

5mm X 5mm Bores, 22.2mm Od, 27.0mm  
Length, Four Beam Coupling, Aluminum  
Set Screw Style

UNIT

Metric

SHEET