



|                               |                                                  |                           |                                                  |
|-------------------------------|--------------------------------------------------|---------------------------|--------------------------------------------------|
| O.D. (D):                     | 0.500 in (12.7 mm)                               | Seating Torque:           | 0.6 Nm                                           |
| Brand:                        | Ruland                                           | Screw Material:           | Alloy Steel                                      |
| Hex Wrench Size:              | 1.5 mm                                           | Number of Screws:         | 2 ea                                             |
| Temperature:                  | -40°F to 225°F (-40°C to 107°C)                  | Material:                 | Aluminum                                         |
| Country of Origin:            | USA                                              | Bore (B1):                | 0.1250 in                                        |
| Product Group:                | P-Series 4 Beam Couplings Clamp                  | Bore (B2):                | 3 mm                                             |
| Shaft Tolerance:              | +0.0000 in / -0.0005 in<br>+0.000 mm / -0.013 mm | Keyway:                   | No                                               |
| Zero-Backlash?:               | Yes                                              | B1 Max Shaft Penetration: | 0.356 in (9.0 mm)                                |
| Balanced Design:              | Yes                                              | B2 Max Shaft Penetration: | 0.356 in (9.0 mm)                                |
| Maximum Speed:                | 6000 RPM                                         | Bore Tolerance:           | +0.001 in / -0.000 in<br>(+0.025 mm / -0.000 mm) |
| UNSPC:                        | 31163003                                         | Screw Finish:             | Black Oxide                                      |
| Static Torque:                | 8 lb-in (0.90 Nm)                                | ISO 9001:2015:            | Certified                                        |
| Dynamic Torque Non-Reversing: | 4 lb-in (0.45 Nm)                                | REACH:                    | Compliant                                        |
| Dynamic Torque Reversing:     | 2 lb-in (0.23 Nm)                                | RoHS3:                    | Compliant                                        |
| Torsional Stiffness:          | 0.750 Deg/lb-in (6.64 Deg/Nm)                    | Conflict Minerals:        | Compliant                                        |
| Angular Misalignment:         | 3.0 deg                                          | Tariff Code:              | 8483.60.8000                                     |
| Parallel Misalignment:        | 0.008 in (0.20 mm)                               | Axial Motion:             | 0.005 in (0.13 mm)                               |
| Cap Screw:                    | M2                                               |                           |                                                  |

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.

**PCR8-1/8"-3MM-A**  
**Ruland**  
1/8" X 3mm Bores, 0.500" Od, 0.750"  
Length, Four Beam Coupling, Aluminum  
Set Screw Style

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