



|                               |                                                  |                           |                                                |
|-------------------------------|--------------------------------------------------|---------------------------|------------------------------------------------|
| O.D. (D):                     | 3.125 in (79.4 mm)                               | Hex Wrench Size:          | 6.0 mm                                         |
| Brand:                        | Ruland                                           | Number of Screws:         | 2 ea                                           |
| Note:                         | Stainless steel hubs are available upon request. | Length (L):               | 3.938 in (100.0 mm)                            |
| Static Torque:                | 1150 lb-in (129.93 Nm)                           | B2 Max Shaft Penetration: | 1.843 in (46.8 mm)                             |
| Maximum Speed:                | 10000 RPM                                        | Material:                 | Aluminum                                       |
| Temperature:                  | -40°F to 200°F (-40°C to 93°C)                   | Bore (B1):                | 40 mm                                          |
| Country of Origin:            | USA                                              | Bore (B2):                | 1.0000 in                                      |
| Shaft Tolerance:              | +0.0000 in / -0.0005 in<br>+0.000 mm / -0.013 mm | Keyway:                   | No                                             |
| Balanced Design:              | Yes                                              | B1 Max Shaft Penetration: | 1.843 in (46.8 mm)                             |
| UNSPC:                        | 31163008                                         | Bore Tolerance:           | +0.001 in / -0.000 in<br>(+0.03 mm / -0.00 mm) |
| Dynamic Torque Non-Reversing: | 575 lb-in (64.97 Nm)                             | Tariff Code:              | 8483.60.8000                                   |
| Seating Torque:               | 39 Nm                                            | Screw Material:           | Alloy Steel                                    |
| Dynamic Torque Reversing:     | 287.5 lb-in (32.49 Nm)                           | Screw Finish:             | Black Oxide                                    |
| Torsional Stiffness:          | 2500 lb-in/Deg (282.5 Nm/Deg)                    | Forged Clamp Screw:       | M8                                             |
| Angular Misalignment:         | 2.0 deg                                          | ISO 9001:2015:            | Certified                                      |
| Parallel Misalignment:        | 0.012 in (0.30 mm)                               | REACH:                    | Compliant                                      |
| Axial Motion:                 | 0.030 in (0.76 mm)                               | RoHS3:                    | Compliant                                      |
| Recommended Hex Key:          | Metric Hex Keys                                  | Conflict Minerals:        | Compliant                                      |
| B1 Min Shaft Penetration:     | 0.875 in (22.2 mm)                               | B2 Min Shaft Penetration: | 0.875 in (22.2 mm)                             |

COMPONENT

Disc Coupling - Double



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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**DCD50-40MM-1"-A**  
**Ruland**  
40mm X 1.0000" Bores, 3.125" (79.4mm)  
Od, And 3.938" (100.0mm) Length, Clamp  
Double Disc Coupling, Accommodates All  
Types Of Misalignment, Anodized  
Aluminum Hubs, Stainless Steel Disc  
Springs, And A Center Spacer

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