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|-------------------------------|--------------------------------------------------|---------------------------|---------------------|
| O.D. (D):                     | 3.125 in (79.4 mm)                               | Maximum Speed:            | 10000 RPM           |
| Brand:                        | Ruland                                           | Static Torque:            | 129.93 Nm           |
| Note:                         | Stainless steel hubs are available upon request. | Bore Tolerance:           | +0.03 mm / -0.00 mm |
| Dynamic Torque Reversing:     | 32.49 Nm                                         | B2 Max Shaft Penetration: | 46.8 mm             |
| Temperature:                  | -40°F to 200°F (-40°C to 93°C)                   | Material:                 | Aluminum            |
| Country of Origin:            | USA                                              | Bore (B1):                | 45 mm               |
| Shaft Tolerance:              | +0.000 mm / -0.013 mm                            | Bore (B2):                | 42 mm               |
| Balanced Design:              | Yes                                              | Keyway:                   | No                  |
| UNSPC:                        | 31163008                                         | B1 Max Shaft Penetration: | 35.56 mm            |
| Dynamic Torque Non-Reversing: | 64.97 Nm                                         | Tariff Code:              | 8483.60.8000        |
| Number of Screws:             | 2 ea                                             | Screw Material:           | Alloy Steel         |
| Seating Torque:               | 39 Nm                                            | Length (L):               | 3.938 in (100.0 mm) |
| Torsional Stiffness:          | 282.5 Nm/Deg                                     | Screw Finish:             | Black Oxide         |
| Angular Misalignment:         | 2.0 deg                                          | Forged Clamp Screw:       | M8                  |
| Parallel Misalignment:        | 0.30 mm                                          | ISO 9001:2015:            | Certified           |
| Axial Motion:                 | 0.76 mm                                          | REACH:                    | Compliant           |
| Recommended Hex Key:          | Metric Hex Keys                                  | RoHS3:                    | Compliant           |
| B1 Min Shaft Penetration:     | 22.2 mm                                          | Conflict Minerals:        | Compliant           |
| Hex Wrench Size:              | 6.0 mm                                           | B2 Min Shaft Penetration: | 22.2 mm             |

|           |                        |
|-----------|------------------------|
| COMPONENT | Disc Coupling - Double |
|-----------|------------------------|



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**MDCD80-45-42-A**  
**Ruland**  
45mm X 42mm Bores, 79.4mm Od, And  
100.0mm Length, Clamp Double Disc  
Coupling, Accommodates All Types Of  
Misalignment, Anodized Aluminum Hubs,  
Stainless Steel Disc Springs, And A  
Center Spacer

|        |
|--------|
| UNIT   |
| Metric |
| SHEET  |