



O.D. (D):	2.000 in (50.8 mm)	Seating Torque:	9.5 Nm
Brand:	Ruland	Tariff Code:	8483.60.8000
Note:	Stainless steel hubs are available upon request.	Length (L):	1.813 in (46.1 mm)
UNSPC:	31163008	B1 Max Shaft Penetration:	22.2 mm
Hex Wrench Size:	4.0 mm	Material:	Aluminum
Maximum Speed:	10000 RPM	Bore (B1):	18 mm
Temperature:	-40°F to 200°F (-40°C to 93°C)	Bore (B2):	12 mm
Country of Origin:	USA	Keyway:	No
Shaft Tolerance:	+0.000 mm / -0.013 mm	B2 Max Shaft Penetration:	22.2 mm
Balanced Design:	Yes	Conflict Minerals:	Compliant
Static Torque:	39.6 Nm	Bore Tolerance:	+0.03 mm / -0.00 mm
Number of Screws:	2 ea	Screw Material:	Alloy Steel
Dynamic Torque Non-Reversing:	19.80 Nm	Screw Finish:	Black Oxide
Dynamic Torque Reversing:	9.90 Nm	Forged Clamp Screw:	M5
Torsional Stiffness:	98.0 Nm/Deg	ISO 9001:2015:	Certified
Angular Misalignment:	1.0 deg	REACH:	Compliant
Parallel Misalignment:	0.00 mm	RoHS3:	Compliant
Axial Motion:	0.32 mm	Recommended Hex Key:	Metric Hex Keys

COMPONENT

Disc Coupling - Single



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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MDCS51-18-12-A
Ruland
18mm X 12mm Bores, 50.8mm Od, 46.1mm
Length, Clamp Single Disc Coupling,
Accommodates Angular Misalignment
And Axial Motion, Anodized Aluminum
Hubs, Stainless Steel Disc Springs

UNIT
Metric
SHEET