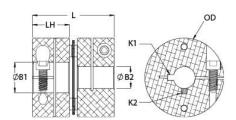




## MDCSK25-7-6-A

Ruland MDCSK25-7-6-A, 7mm x 6mm Single Disc Coupling, Aluminum, Clamp Style With Keyway, 25.4mm OD, 26.2mm Length





## **Description**

Ruland MDCSK25-7-6-A is a clamp single disc coupling with 7mm x 6mm bores, 25.4mm OD, 26.2mm length, and 2mm keyway on the 7mm bore and no keyway on the 6mm bore. It is zero-backlash and has a balanced design for reduced vibration at high speeds. The single disc design is comprised of two anodized aluminum hubs and two sets of thin stainless steel disc springs which can accommodate angular misalignment and axial motion, however does not allow for any parallel misalignment. MDCSK25-7-6-A is lightweight and has low inertia making it well suited for applications with speeds up to 10,000 RPM. Hardware is metric and tests beyond DIN 912 12.9 standards for maximum torque capabilities. Ruland manufactures MDCSK25-7-6-A to be torisionally rigid and an excellent fit for precise positioning stepper servo applications commonly found in semiconductor, solar, printing, machine tool, and test and measurement systems. It is machined from solid bar stock that is sourced exclusively from North American mills and RoHS3 and REACH compliant. MDCSK25-7-6-A is manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

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Length (L)       26.2 mm       Hub Width (LH)       11.85 mm         Recommended Shaft Tolerance       +0.000 mm / -0.013 mm       Forged Clamp Screw       M3         Screw Material       Alloy Steel       Hex Wrench Size       2.5 mm         Screw Finish       Black Oxide       Seating Torque       2.1 Nm         Number of Screws       2 ea       Dynamic Torque Reversing       1.40 Nm         Angular Misalignment       1.0°       Dynamic Torque Non-Reversing       2.80 Nm         Parallel Misalignment       0.00 mm       Static Torque       5.6 Nm         Axial Motion       0.15 mm       Torsional Stiffness       10.6 Nm/Deg         Moment of Inertia       2.604 x 10 <sup>-6</sup> kg-m²       Maximum Speed       10,000 RPM         Zero-Backlash?       Yes       Balanced Design       Yes         Torque Wrench       TW:BT-1R-1/4-18.3       Recommended Hex Key       Metric Hex Keys         Full Bearing Support Required?       Yes       Material Specification       Hubs: 2024-T351 Disc Springs: Typ Steel         Temperature       -40°F to 200°F (-40°C to 93°C)       Finish Specification       Sulfuric Anodized Rick Anodized	r roduct opecifications									
B1 Max Shaft Penetration 12.7 mm B2 Max Shaft Penetration 12.7 mm Outer Diameter (OD) 25.4 mm Bore Tolerance +0.03 mm / -0.00 Length (L) 26.2 mm Hub Width (LH) 11.85 mm Recommended Shaft Tolerance +0.000 mm / -0.013 mm Forged Clamp Screw M3 Screw Material Alloy Steel Hex Wrench Size 2.5 mm Screw Finish Black Oxide Seating Torque 2.1 Nm Number of Screws 2 ea Dynamic Torque Reversing 1.40 Nm Angular Misalignment 1.0° Dynamic Torque Non-Reversing 2.80 Nm Parallel Misalignment 0.00 mm Static Torque 5.6 Nm Axial Motion 0.15 mm Torsional Stiffness 10.6 Nm/Deg Moment of Inertia 2.604 x 10 <sup>-6</sup> kg-m² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TW:BT-1R-1/4-18.3 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification USA Weight (lbs) 0.066400 UPC 634529210529 Tariff Code 8483.60.8000 UNSPC 31163008 Note 1 Stainless steel hubs are available upon request. Note 2 Torque ratings are to requisions are based on the physical limitations/failure point of the disormal/typical conditions the hubs are capable of holding up to the rated torque of the disormal/typical conditions the hubs are capable of holding up to the rated torque of the disormal/typical conditions the hubs are capable of holding up to the rated torque of the disormal/typical conditions the hubs are capable of holding up to the rated torque of the disormal/typical conditions the hubs are capable of holding up to the rated torque of the disormal/typical conditions the hubs are capable of holding up to the rated torque of the disormal/typical conditions the hubs are capable of holding up to the rated torque of the disormal/typical conditions the hubs are capable of holding up to the rated torque of the disormal/typical conditions the hubs are capable of holding up to the rated torque of the disormal transfer and the properties are capable of holding up to the rated torque of the disormal transfer and the properties are capable of holding up to the rated torque of the disormal transfer and transfe	Bore (B1)	7 mm	Small Bore (B2)	6 mm						
Outer Diameter (OD)         25.4 mm         Bore Tolerance         +0.03 mm / -0.000 mm / -0.001 mm           Length (L)         26.2 mm         Hub Width (LH)         11.85 mm           Recommended Shaft Tolerance         +0.000 mm / -0.013 mm         Forged Clamp Screw         M3           Screw Material         Alloy Steel         Hex Wrench Size         2.5 mm           Screw Finish         Black Oxide         Seating Torque         2.1 Nm           Number of Screws         2 ea         Dynamic Torque Reversing         1.40 Nm           Angular Misalignment         1.0°         Dynamic Torque Non-Reversing         2.80 Nm           Parallel Misalignment         0.00 mm         Static Torque         5.6 Nm           Axial Motion         0.15 mm         Torsional Stiffness         10.6 Nm/Deg           Moment of Inertia         2.604 x 10 <sup>-6</sup> kg-m²         Maximum Speed         10,000 RPM           Zero-Backlash?         Yes         Balanced Design         Yes           Torque Wrench         TW:BT-1R-1/4-18.3         Recommended Hex Key         Metric Hex Keys           Full Bearing Support Required?         Yes         Material Specification         Sulfuric Anodized           Temperature         -40°F to 200°F (-40°C to 93°C)         Finish Specification         Sulfuric Anodized <td>Keyway (K1)</td> <td>2 mm</td> <td>Keyway (K2)</td> <td>NK</td>	Keyway (K1)	2 mm	Keyway (K2)	NK						
Length (L)  26.2 mm  Hub Width (LH)  11.85 mm  Recommended Shaft Tolerance  +0.000 mm / -0.013 mm  Forged Clamp Screw  M3  Screw Material  Alloy Steel  Hex Wrench Size  2.5 mm  Screw Finish  Black Oxide  Seating Torque  2.1 Nm  Number of Screws  2 ea  Dynamic Torque Reversing  1.40 Nm  Angular Misalignment  1.0°  Dynamic Torque Non-Reversing  2.80 Nm  Parallel Misalignment  0.00 mm  Static Torque  5.6 Nm  Axial Motion  0.15 mm  Torsional Stiffness  10.6 Nm/Deg  Moment of Inertia  2.604 x 10°6 kg-m²  Maximum Speed  10,000 RPM  Zero-Backlash?  Yes  Balanced Design  Yes  Torque Wrench  TW:BT-1R-1/4-18.3  Recommended Hex Key  Metric Hex Keys  Full Bearing Support Required?  Yes  Material Specification  Sulfuric Anodized II, Class 2 and At Black Anodize  II, Class 2 and At Black Anodize  Manufacturer  Ruland Manufacturing  Country of Origin  USA  Weight (lbs)  0.066400  UPC  634529210529  Tariff Code  8483.60.8000  UNSPC  31163008  Note 1  Stainless steel hubs are available upon request.  Note 2  Torque ratings are at maximum misalignment.  Note 3  Performance ratings are for guidance only. The user must determine suitability for a partic  Note 4  Torque ratings for the couplings are based on the physical limitations/failure point of the disormal/typical conditions the hubs are capable of holding up to the rated torque of the disormal/typical conditions the hubs are capable of holding up to the rated torque of the disormal/typical conditions the hubs are capable of holding up to the rated torque of the disormal/typical conditions the hubs are capable of holding up to the rated torque of the disormal/typical conditions the hubs are capable of holding up to the rated torque of the disormal/typical conditions the hubs are capable of holding up to the rated torque of the disormal/typical conditions the hubs are capable of holding up to the rated torque of the disormal/typical conditions the hubs are capable of holding up to the rated torque of the disormal/typical conditions the hubs are capable of holding up to the rat	B1 Max Shaft Penetration	12.7 mm	B2 Max Shaft Penetration	12.7 mm						
Recommended Shaft Tolerance +0.000 mm / -0.013 mm Forged Clamp Screw M3  Screw Material Alloy Steel Hex Wrench Size 2.5 mm  Screw Finish Black Oxide Seating Torque 2.1 Nm  Number of Screws 2 ea Dynamic Torque Reversing 1.40 Nm  Angular Misalignment 1.0° Dynamic Torque Non-Reversing 2.80 Nm  Parallel Misalignment 0.00 mm Static Torque 5.6 Nm  Axial Motion 0.15 mm Torsional Stiffness 10.6 Nm/Deg  Moment of Inertia 2.604 x 10 <sup>-6</sup> kg-m² Maximum Speed 10,000 RPM  Zero-Backlash? Yes Balanced Design Yes  Torque Wrench TW:BT-1R-1/4-18.3 Recommended Hex Key Metric Hex Keys  Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Disc Springs: Tyr, Steel  Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized II, Class 2 and At Black Anodize  Manufacturer Ruland Manufacturing Country of Origin USA  Weight (lbs) 0.066400 UPC 634529210529  Tariff Code 8483.60.8000 UNSPC 31163008  Note 1 Stainless steel hubs are available upon request.  Note 2 Torque ratings are at maximum misalignment.  Note 3 Performance ratings are for guidance only. The user must determine suitability for a partic Note 3 Performance ratings for the couplings are based on the physical limitations/failure point of the disonormal/typical conditions the hubs are capable of holding up to the rated torque of the disonormal/typical conditions the hubs are capable of holding up to the rated torque of the disonormal/typical conditions the hubs are capable of holding up to the rated torque of the disonormal/typical conditions the hubs are capable of holding up to the rated torque of the disonormal/typical conditions the hubs are capable of holding up to the rated torque of the disonormal typical conditions the hubs are capable of holding up to the rated torque of the disonormal typical conditions the hubs are capable of holding up to the rated torque of the disonormal typical conditions the hubs are capable of holding up to the rated torque of the disonormal typical conditions the hubs are capable of holding up to the	Outer Diameter (OD)	25.4 mm	Bore Tolerance	+0.03 mm / -0.00 mm						
Screw Material       Alloy Steel       Hex Wrench Size       2.5 mm         Screw Finish       Black Oxide       Seating Torque       2.1 Nm         Number of Screws       2 ea       Dynamic Torque Reversing       1.40 Nm         Angular Misalignment       1.0°       Dynamic Torque Non-Reversing       2.80 Nm         Parallel Misalignment       0.00 mm       Static Torque       5.6 Nm         Axial Motion       0.15 mm       Torsional Stiffness       10.6 Nm/Deg         Moment of Inertia       2.604 x 10° kg-m²       Maximum Speed       10,000 RPM         Zero-Backlash?       Yes       Balanced Design       Yes         Torque Wrench       TW:BT-1R-1/4-18.3       Recommended Hex Key       Metric Hex Keys         Full Bearing Support Required?       Yes       Material Specification       Hubs: 2024-T351 Disc Springs: Tyr. Steel         Temperature       -40°F to 200°F (-40°C to 93°C)       Finish Specification       Sulfuric Anodizer         Manufacturer       Ruland Manufacturing       Country of Origin       USA         Weight (lbs)       0.066400       UPC       634529210529         Tariff Code       8483.60.8000       UNSPC       31163008         Note 1       Stainless steel hubs are available upon request.         N	Length (L)	26.2 mm	Hub Width (LH)	11.85 mm						
Screw Finish       Black Oxide       Seating Torque       2.1 Nm         Number of Screws       2 ea       Dynamic Torque Reversing       1.40 Nm         Angular Misalignment       1.0°       Dynamic Torque Non-Reversing       2.80 Nm         Parallel Misalignment       0.00 mm       Static Torque       5.6 Nm         Axial Motion       0.15 mm       Torsional Stiffness       10.6 Nm/Deg         Moment of Inertia       2.604 x 10°6 kg-m²       Maximum Speed       10,000 RPM         Zero-Backlash?       Yes       Balanced Design       Yes         Torque Wrench       TW:BT-1R-1/4-18.3       Recommended Hex Key       Metric Hex Keys         Full Bearing Support Required?       Yes       Material Specification       Sulfuric Anodized         Temperature       -40°F to 200°F (-40°C to 93°C)       Finish Specification       Sulfuric Anodized         Manufacturer       Ruland Manufacturing       Country of Origin       USA         Weight (lbs)       0.066400       UPC       634529210529         Tariff Code       8483.60.8000       UNSPC       31163008         Note 1       Stainless steel hubs are available upon request.         Note 2       Torque ratings are at maximum misalignment.         Note 3       Performance ratings are for gu	Recommended Shaft Tolerance	+0.000 mm / -0.013 mm	Forged Clamp Screw	M3						
Number of Screws 2 ea Dynamic Torque Reversing 1.40 Nm Angular Misalignment 1.0° Dynamic Torque Non-Reversing 2.80 Nm Parallel Misalignment 0.00 mm Static Torque 5.6 Nm Axial Motion 0.15 mm Torsional Stiffness 10.6 Nm/Deg Moment of Inertia 2.604 x 10 <sup>-6</sup> kg-m² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TW:BT-1R-1/4-18.3 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Disc Springs: Tys Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification USA Weight (lbs) 0.066400 UPC 634529210529 Tariff Code 8483.60.8000 UNSPC 31163008 Note 1 Stainless steel hubs are available upon request. Note 2 Torque ratings are at maximum misalignment. Note 3 Performance ratings are for guidance only. The user must determine suitability for a partic Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disconmal/typical conditions the hubs are capable of holding up to the rated torque of the disconmal/typical conditions the hubs are capable of holding up to the rated torque of the disconmal/typical conditions the hubs are capable of holding up to the rated torque of the disconmand of the property of the disconmand of the disconmand of the property of the disconmand of the disconmand o	Screw Material	Alloy Steel	Hex Wrench Size	2.5 mm						
Angular Misalignment 1.0° Dynamic Torque Non-Reversing 2.80 Nm Parallel Misalignment 0.00 mm Static Torque 5.6 Nm Axial Motion 0.15 mm Torsional Stiffness 10.6 Nm/Deg Moment of Inertia 2.604 x 10 <sup>-6</sup> kg-m² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TW:BT-1R-1/4-18.3 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Disc Springs: Typ Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification USA Weight (Ibs) 0.066400 UPC 31163008 Note 1 Stainless steel hubs are available upon request. Note 2 Torque ratings are at maximum misalignment. Note 3 Performance ratings are for guidance only. The user must determine suitability for a particle Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the discontail o	Screw Finish	Black Oxide	Seating Torque	2.1 Nm						
Parallel Misalignment       0.00 mm       Static Torque       5.6 Nm         Axial Motion       0.15 mm       Torsional Stiffness       10.6 Nm/Deg         Moment of Inertia       2.604 x 10 <sup>-6</sup> kg-m²       Maximum Speed       10,000 RPM         Zero-Backlash?       Yes       Balanced Design       Yes         Torque Wrench       TW:BT-1R-1/4-18.3       Recommended Hex Key       Metric Hex Keys         Full Bearing Support Required?       Yes       Material Specification       Hubs: 2024-T351 Disc Springs: Typ Steel         Temperature       -40°F to 200°F (-40°C to 93°C)       Finish Specification       Sulfuric Anodized II, Class 2 and AS Black Anodize         Manufacturer       Ruland Manufacturing       Country of Origin       USA         Weight (lbs)       0.066400       UPC       634529210529         Tariff Code       8483.60.8000       UNSPC       31163008         Note 1       Stainless steel hubs are available upon request.         Note 2       Torque ratings are at maximum misalignment.         Note 3       Performance ratings are for guidance only. The user must determine suitability for a particle for the couplings are based on the physical limitations/failure point of the disconstant of	Number of Screws	2 ea	Dynamic Torque Reversing	1.40 Nm						
Axial Motion  0.15 mm Torsional Stiffness 10.6 Nm/Deg Moment of Inertia 2.604 x 10 <sup>-6</sup> kg-m <sup>2</sup> Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TW:BT-1R-1/4-18.3 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Disc Springs: Tyr Steel  Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodizee II, Class 2 and As Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.066400 UPC 634529210529 Tariff Code 8483.60.8000 UNSPC 31163008  Note 1 Stainless steel hubs are available upon request. Note 2 Torque ratings are at maximum misalignment. Note 3 Performance ratings are for guidance only. The user must determine suitability for a partic. Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the discontant	Angular Misalignment	1.0°	Dynamic Torque Non-Reversing	2.80 Nm						
Moment of Inertia       2.604 x 10 <sup>-6</sup> kg-m²       Maximum Speed       10,000 RPM         Zero-Backlash?       Yes       Balanced Design       Yes         Torque Wrench       TW:BT-1R-1/4-18.3       Recommended Hex Key       Metric Hex Keys         Full Bearing Support Required?       Yes       Material Specification       Hubs: 2024-T351 Disc Springs: Type Steel         Temperature       -40°F to 200°F (-40°C to 93°C)       Finish Specification       Sulfuric Anodized II, Class 2 and AS Black Anodized II, Class 2 and AS Black Anodized         Manufacturer       Ruland Manufacturing       Country of Origin       USA         Weight (lbs)       0.066400       UPC       634529210529         Tariff Code       8483.60.8000       UNSPC       31163008         Note 1       Stainless steel hubs are available upon request.         Note 2       Torque ratings are at maximum misalignment.         Note 3       Performance ratings are for guidance only. The user must determine suitability for a partic.         Note 4       Torque ratings for the couplings are based on the physical limitations/failure point of the dinormal/typical conditions the hubs are capable of holding up to the rated torque of the disc	Parallel Misalignment	0.00 mm	Static Torque	5.6 Nm						
Zero-Backlash?YesBalanced DesignYesTorque WrenchTW:BT-1R-1/4-18.3Recommended Hex KeyMetric Hex KeysFull Bearing Support Required?YesMaterial SpecificationHubs: 2024-T351 Disc Springs: Type SteelTemperature-40°F to 200°F (-40°C to 93°C)Finish SpecificationSulfuric Anodized II, Class 2 and AS Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSAWeight (lbs)0.066400UPC634529210529Tariff Code8483.60.8000UNSPC31163008Note 1Stainless steel hubs are available upon request.Note 2Torque ratings are at maximum misalignment.Note 3Performance ratings are for guidance only. The user must determine suitability for a particeNote 4Torque ratings for the couplings are based on the physical limitations/failure point of the dinormal/typical conditions the hubs are capable of holding up to the rated torque of the disc	Axial Motion	0.15 mm	Torsional Stiffness	10.6 Nm/Deg						
Torque Wrench  TW:BT-1R-1/4-18.3  Recommended Hex Key  Metric Hex Keys  Full Bearing Support Required?  Yes  Material Specification  Hubs: 2024-T351 Disc Springs: Typ Steel  Temperature  -40°F to 200°F (-40°C to 93°C)  Finish Specification  Sulfuric Anodized II, Class 2 and AS Black Anodize  Manufacturer  Ruland Manufacturing  Country of Origin  USA  Weight (Ibs)  0.066400  UPC  634529210529  Tariff Code  8483.60.8000  UNSPC  31163008  Note 1  Stainless steel hubs are available upon request.  Note 2  Torque ratings are at maximum misalignment.  Note 3  Performance ratings are for guidance only. The user must determine suitability for a particular point of the discussion	Moment of Inertia	2.604 x 10 <sup>-6</sup> kg-m <sup>2</sup>	Maximum Speed	10,000 RPM						
Full Bearing Support Required? Yes Material Specification Disc Springs: Type Steel  Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized II, Class 2 and As Black Anodize  Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.066400 UPC 634529210529 Tariff Code 8483.60.8000 UNSPC 31163008  Note 1 Stainless steel hubs are available upon request. Note 2 Torque ratings are at maximum misalignment. Note 3 Performance ratings are for guidance only. The user must determine suitability for a partice. Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disconstruction.	Zero-Backlash?	Yes	Balanced Design	Yes						
Temperature  -40°F to 200°F (-40°C to 93°C)  Finish Specification  Sulfuric Anodized II, Class 2 and AS Black Anodize  Manufacturer  Ruland Manufacturing  Country of Origin  USA  Weight (lbs)  0.066400  UPC  634529210529  Tariff Code  8483.60.8000  UNSPC  31163008  Note 1  Stainless steel hubs are available upon request.  Note 2  Torque ratings are at maximum misalignment.  Note 3  Performance ratings are for guidance only. The user must determine suitability for a partice.  Note 4  Torque ratings for the couplings are based on the physical limitations/failure point of the disconmal/typical conditions the hubs are capable of holding up to the rated torque of the disconmal/typical conditions the hubs are capable of holding up to the rated torque of the disconmal/typical conditions the hubs are capable of holding up to the rated torque of the disconmal/typical conditions the hubs are capable of holding up to the rated torque of the disconmal/typical conditions the hubs are capable of holding up to the rated torque of the disconmandation of the	Torque Wrench	TW:BT-1R-1/4-18.3	Recommended Hex Key	Metric Hex Keys						
Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.066400 UPC 634529210529 Tariff Code 8483.60.8000 UNSPC 31163008 Note 1 Stainless steel hubs are available upon request. Note 2 Torque ratings are at maximum misalignment. Note 3 Performance ratings are for guidance only. The user must determine suitability for a partice. Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the discontrol of the di	Full Bearing Support Required?	Yes	Material Specification	Hubs: 2024-T351 Aluminum Bar, Disc Springs: Type 302 Stainless Steel						
Weight (lbs)  0.066400  UPC 634529210529  Tariff Code 8483.60.8000  UNSPC 31163008  Note 1 Stainless steel hubs are available upon request.  Note 2 Torque ratings are at maximum misalignment.  Note 3 Performance ratings are for guidance only. The user must determine suitability for a partice.  Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disconstruction.	Temperature	-40°F to 200°F (-40°C to 93°C)	Finish Specification	Sulfuric Anodized MIL-A-8625 Type II, Class 2 and ASTM B580 Type B Black Anodize						
Tariff Code  8483.60.8000  UNSPC  31163008  Note 1  Stainless steel hubs are available upon request.  Note 2  Torque ratings are at maximum misalignment.  Note 3  Performance ratings are for guidance only. The user must determine suitability for a partice.  Note 4  Torque ratings for the couplings are based on the physical limitations/failure point of the discontral properties.	Manufacturer	Ruland Manufacturing	Country of Origin	USA						
Note 1 Stainless steel hubs are available upon request.  Note 2 Torque ratings are at maximum misalignment.  Note 3 Performance ratings are for guidance only. The user must determine suitability for a partice.  Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the dinormal/typical conditions the hubs are capable of holding up to the rated torque of the disconditions.	Weight (lbs)	0.066400	UPC	634529210529						
Note 2 Torque ratings are at maximum misalignment.  Note 3 Performance ratings are for guidance only. The user must determine suitability for a partice.  Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disconormal/typical conditions the hubs are capable of holding up to the rated torque of the disconormal.	Tariff Code	8483.60.8000	UNSPC	31163008						
Note 3 Performance ratings are for guidance only. The user must determine suitability for a partice  Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the di  normal/typical conditions the hubs are capable of holding up to the rated torque of the disc	Note 1									
Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the dinormal/typical conditions the hubs are capable of holding up to the rated torque of the disc	Note 2	Torque ratings are at maximum misalignment.								
normal/typical conditions the hubs are capable of holding up to the rated torque of the disc	Note 3	Performance ratings are for guidance only. The user must determine suitability for a particular application.								
shaft is possible below the rated torque of the disc springs. Keyways are available to provi	Note 4									

torque capacity in the shaft/hub connection when required. Please consult technical support for more assistance.

## Prop 65

**MARNING** This product can expose you to chemicals including Ethylene Thiourea and Nickel (metallic), known to the State of California to cause cancer, and Ethylene Thiourea known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="https://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>.

## **Installation Instructions**

- Align the bores of the MDCSK25-7-6-A single disc coupling on the shafts that are to be joined and determine if the misalignment parameters are within the limits of the coupling. (*Angular Misialignment*: 1.0°, *Parallel Misalignment*: 0.00 mm, *Axial Motion*: 0.15 mm)
- 2. Fully tighten the M3 screw on the first hub to the recommended seating torque of 2.1 Nm using a 2.5 mm hex torque wrench.
- 3. Before tightening the screw on the second hub, rotate the coupling by hand to allow it to reach its free length.
- 4. Tighten the screw on the second hub to the recommended seating torque. Make sure the coupling remains axially relaxed and the misalignment angle remains centered along the length of the coupling.
- 5. The shafts may extend into the relieved portion of the bore as long as it does not exceed the shaft penetration length of 12.7 mm.