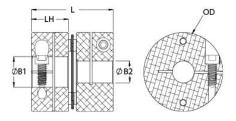




## DCS26-12-8-A

Ruland DCS26-12-8-A, 3/4" x 1/2" Single Disc Coupling, Aluminum, Clamp Style, 1.625" OD, 1.563" Length





## Description

Ruland DCS26-12-8-A is a clamp single disc coupling with 0.7500" x 0.5000" bores, 1.625" OD, and 1.563" length. 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. DCS26-12-8-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 DCS26-12-8-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. DCS26-12-8-A is manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

## **Product Specifications**

Disc Springs: Type 302 Stainless SteelTemperature-40°F to 200°F (-40°C to 93°C)Finish SpecificationSulfuric Anodized MIL-A-8625 T II, Class 2 and ASTM B580 Type Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSAWeight (lbs)0.249600UPC634529082430Tariff Code8483.60.8000UNSPC31163008Note 1Stainless steel hubs are available upon request.Note 1Note 2Torque ratings are at maximum misalignment.Note 3Note 3Performance ratings are for guidance only. The user must determine suitability for a particular application normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In some	Product Specifications			
Outer Diameter (OD)   1.625 in   Bore Tolerance   +0.001 in / -0.000 in     Length (L)   1.563 in   Hub Witht (LH)   0.710 in     Recommended Shaft Tolerance   +0.0000 in / -0.0005 in   Forged Clamp Screw   M4     Screw Material   Alloy Steel   Hex Wrench Size   3.0 mm     Screw Material   Black Oxide   Seating Torque   4.6 Nm     Number of Screws   2 ea   Dynamic Torque Reversing   90 Ib-in     Angular Misalignment   1.0°   Dynamic Torque Non-Reversing   90 Ib-in     Araila Motion   0.010 in   Static Torque   180 Ib-in     Axial Motion   0.010 in   Torsional Stiffness   625 Ib-in/Deg     Moment of Inertia   0.0950 Ib-in <sup>2</sup> Maximum Speed   10.000 RPM     Full Bearing Support Required?   Yes   Torque Wrench   TW:BT-R-1/4-41.0     Recommended Hex Key   Metric Hex Keys   Material Specification   Hubs: 2024-T351 Aluminum Ba Disc Springs: Type 302 Stainles Steel     Temperature   -40°F to 200°F (-40°C to 93°C)   Finish Specification   Sulfuric Anodized MIL-A-8625 T II, Class 2 and ASTM E580 Typ Black Anodize     Manufacturer   Ruland Manufacturing   Country of Origin	Bore (B1)	0.7500 in	Small Bore (B2)	0.5000 in
Length (L)   1.563 in   Hub Width (LH)   0.710 in     Recommended Shaft Tolerance   +0.0000 in / -0.0005 in   Forged Clamp Screw   M4     Screw Material   Alloy Steel   Hex Wrench Size   3.0 mm     Screw Finish   Black Oxide   Seating Torque   4.6 Nm     Number of Screws   2 ea   Dynamic Torque Reversing   45 lb-in     Angular Misalignment   1.0°   Dynamic Torque Reversing   90 lb-in     Parallel Misalignment   0.00 in   Static Torque   180 lb-in     Axial Motion   0.010 in   Torsional Stiffness   625 lb-in/Deg     Moment of Inertia   0.9950 lb-in <sup>2</sup> Maximum Speed   10,000 RPM     Full Bearing Support Required?   Yes   Zero-Backlash?   Yes     Balanced Design   Yes   Torque Wrench   TW_BT-tR-t/4-41.0     Recommended Hex Key   Metric Hex Keys   Material Specification   Hubs: 2024-T351 Aluminum Ba     Disc Springs: Type 302 Stainles   Steel   Trep 302 Stainles   Steel     Temperature   -40°F to 200°F (-40°C to 93°C)   Finish Specification   Suffwire: Anodize     Manufacturing   Country of Origin   USA	B1 Max Shaft Penetration	0.755 in	B2 Max Shaft Penetration	0.755 in
Recommended Shaft Tolerance   +0.0000 in / -0.0005 in   Forged Clamp Screw   M4     Screw Material   Alloy Steel   Hex Wrench Size   3.0 mm     Screw Finish   Black Oxide   Seating Torque   4.6 Nm     Number of Screws   2 ea   Dynamic Torque Reversing   45 lb-in     Angular Misalignment   1.0°   Dynamic Torque Non-Reversing   90 lb-in     Parallel Misalignment   0.00 in   Static Torque   180 lb-in     Axial Motion   0.010 in   Torsional Stiffness   625 lb-in/Deg     Moment of Inertia   0.0950 lb-in²   Maximum Speed   10,000 RPM     Full Bearing Support Required?   Yes   Zero-Backlash?   Yes     Balanced Design   Yes   Torque Wrench   TW:BT-1R-1/4-41.0     Recommended Hex Key   Metric Hex Keys   Material Specification   Hubs: 2024-7351 Aluminum Ba Disc Springs: Type 302 Stainles Steel     Temperature   -40°F to 200°F (-40°C to 93°C)   Finish Specification   Sulfuric Anodized MIL-A-8625 T II, Class 2 and ASTM B580 Type Black Anodized     Manufacturer   Ruland Manufacturing   Country of Origin   USA     Weight (lbs)   0.249600   UPC   634529082430	Outer Diameter (OD)	1.625 in	Bore Tolerance	+0.001 in / -0.000 in
Screw Material   Alloy Steel   Hex Wrench Size   3.0 mm     Screw Finish   Black Oxide   Seating Torque   4.6 Nm     Number of Screws   2 ea   Dynamic Torque Reversing   45 lb-in     Angular Misalignment   1.0°   Dynamic Torque Non-Reversing   90 lb-in     Parallel Misalignment   0.00 in   Static Torque   180 lb-in     Axial Motion   0.010 in   Torsional Stiffness   625 lb-in/Deg     Moment of Inertia   0.0950 lb-in <sup>2</sup> Maximum Speed   10,000 RPM     Full Bearing Support Required?   Yes   Zero-Backlash?   Yes     Balanced Design   Yes   Torque Wrench   TW/BT-1/L-41.0     Recommended Hex Key   Metric Hex Keys   Material Specification   Hubs: 2024-T351 Aluminum Ba Disc Springs: Type 302 Stainles Steel     Temperature   -40°F to 200°F (-40°C to 93°C)   Finish Specification   II, Class 2 and ASTM B580 Typ Black Anodize     Maufacturer   Ruland Manufacturing   Country of Origin   USA     Weight (lbs)   0.249600   UPC   634529082430     Note 2   Torque ratings are at maximum misalignment.   Note 3   Performance ratings are at maximum misalignment.  <	Length (L)	1.563 in	Hub Width (LH)	0.710 in
Screw Finish   Black Oxide   Seating Torque   4.6 Nm     Number of Screws   2 ea   Dynamic Torque Reversing   45 lb-in     Angular Misalignment   1.0°   Dynamic Torque Reversing   90 lb-in     Parallel Misalignment   0.00 in   Stati Torque   180 lb-in     Axial Motion   0.010 in   Torsional Stiffness   625 lb-in/Deg     Moment of Inertia   0.0950 lb-in <sup>2</sup> Maximum Speed   10,000 RPM     Full Bearing Support Required?   Yes   Zero-Backlash?   Yes     Balanced Design   Yes   Torque Wrench   TW:BT-1R-1/4-41.0     Recommended Hex Key   Metric Hex Keys   Material Specification   Hubs: 2024-T3S1 Aluminum Ba Disc Springs: Type 302 Stainles Steel     Temperature   -40°F to 200°F (-40°C to 93°C)   Finish Specification   Sulfuric Anodized MIL-A-8625 T II, Class 2 and ASTM B580 Typ Black Anodize     Manufacturer   Ruland Manufacturing   Country of Origin   USA     Weight (lbs)   0.249600   UPC   634529082430     Tariff Code   8483.60.8000   UNSPC   31163008     Note 1   Stainless steel hubs are available upon request.   Note 2   Torque ratings are at maximum misalignment.<	Recommended Shaft Tolerance	+0.0000 in / -0.0005 in	Forged Clamp Screw	M4
Number of Screws     2 ea     Dynamic Torque Reversing     45 lb-in       Angular Misalignment     1.0°     Dynamic Torque Non-Reversing     90 lb-in       Parallel Misalignment     0.00 in     Static Torque     180 lb-in       Axial Motion     0.010 in     Torsional Stiffness     625 lb-in/Deg       Moment of Inertia     0.0950 lb-in²     Maximum Speed     10,000 RPM       Full Bearing Support Required?     Yes     Zero-Backlash?     Yes       Balanced Design     Yes     Torque Wrench     TW:BT-1R-1/4-41.0       Recommended Hex Key     Metric Hex Keys     Material Specification     Hubs: 2024-T351 Aluminum Ba Disc Springs: Type 302 Stailes Steel       Temperature     -40°F to 200°F (-40°C to 93°C)     Finish Specification     Sulfuric Anodized MIL-A-8625 T II, Class 2 and ASTM B580 Type Black Anodize       Manufacturer     Ruland Manufacturing     Country of Origin     USA       Weight (lbs)     0.249600     UPC     634529082430       Tariff Code     8483.60.8000     UNSPC     31163008       Note 1     Stainless steel hubs are available upon request.     Note 2     Torque ratings are tor guidance only. The user must determine suitability	Screw Material	Alloy Steel	Hex Wrench Size	3.0 mm
Angular Misalignment   1.0°   Dynamic Torque Non-Reversing   90 lb-in     Parallel Misalignment   0.00 in   Static Torque   180 lb-in     Axial Motion   0.010 in   Torsional Stiffness   625 lb-in/Deg     Moment of Inertia   0.0950 lb-in <sup>2</sup> Maximum Speed   10,000 RPM     Full Bearing Support Required?   Yes   Zero-Backlash?   Yes     Balanced Design   Yes   Torque Wrench   TW/BT-1R-1/4-41.0     Recommended Hex Key   Metric Hex Keys   Material Specification   Hubs: 2024-T351 Aluminum Ba Disc Springs: Type 302 Stainles Steel     Temperature   -40°F to 200°F (-40°C to 93°C)   Finish Specification   Sulfuric Anodized MIL-A-8625 T II, Class 2 and ASTM B580 Typ Black Anodize     Manufacturer   Ruland Manufacturing   Country of Origin   USA     Weight (lbs)   0.249600   UPC   634529082430     Tariff Code   8483.60.8000   UNSPC   31163008     Note 1   Stainless steel hubs are available upon request.   Note 2   Torque ratings are for guidance only. The user must determine suitability for a particular application Nore 4   Torque ratings are for guidance only. The user must determine suitability for a particular application normal/typical conditions the hubs are capable of holding up to the rate	Screw Finish	Black Oxide	Seating Torque	4.6 Nm
Parallel Misalignment   0.00 in   Static Torque   180 lb-in     Axial Motion   0.010 in   Torsional Stiffness   625 lb-in/Deg     Moment of Inertia   0.0950 lb-in <sup>2</sup> Maximum Speed   10,000 RPM     Full Bearing Support Required?   Yes   Zero-Backlash?   Yes     Balanced Design   Yes   Torque Wrench   TW:BT-1R-1/4-41.0     Recommended Hex Key   Metric Hex Keys   Material Specification   Hubs: 2024-T351 Aluminum Ba Disc Springs: Type 302 Stainles Steel     Temperature   -40°F to 200°F (-40°C to 93°C)   Finish Specification   Sulfuric Anodized MIL-A-8625 T II, Class 2 and ASTM B580 Typ Black Anodize     Manufacturer   Ruland Manufacturing   Country of Origin   USA     Weight (lbs)   0.249600   UPC   634529082430     Tariff Code   8483.60.8000   UNSPC   31163008     Note 1   Stainless steel hubs are available upon request.   Note 3   Performance ratings are for guidance only. The user must determine suitability for a particular applicatior     Note 4   Torque ratings are for guidance only. The user on the physical limitations/failure point of the disc springs. Un normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In so casese, especially when the smallest standard bores are us	Number of Screws	2 ea	Dynamic Torque Reversing	45 lb-in
Axial Motion0.010 inTorsional Stiffness625 lb-in/DegMoment of Inertia0.0950 lb-in²Maximum Speed10,000 RPMFull Bearing Support Required?YesZero-Backlash?YesBalanced DesignYesTorque WrenchTW:BT-1R-1/4-41.0Recommended Hex KeyMetric Hex KeysMaterial SpecificationHubs: 2024-T351 Aluminum Ba Disc Springs: Type 302 Stainles SteelTemperature-40°F to 200°F (-40°C to 93°C)Finish SpecificationSulfuric Anodized MIL-A-8625 T II, Class 2 and ASTM B580 Type Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSAWeight (lbs)0.249600UPC634529082430Tariff Code8483.60.8000UNSPC31163008Note 1Stainless steel hubs are available upon request.Note 2Note 3Performance ratings are for guidance only. The user must determine suitability for a particular applicationNote 4Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. In or ocases, especially when the smalles standard bores are used or where shafts are undersized, slippage o oshaft is possible below the rated torque of the disc springs. Keyways are available to provide additional torque capacity in the shaft/hub connection when required. Please consult technical support for more	Angular Misalignment	1.0°	Dynamic Torque Non-Reversing	90 lb-in
Moment of Inertia     0.0950 lb-in <sup>2</sup> Maximum Speed     10,000 RPM       Full Bearing Support Required?     Yes     Zero-Backlash?     Yes       Balanced Design     Yes     Torque Wrench     TW:BT-1R-1/4-41.0       Recommended Hex Key     Metric Hex Keys     Material Specification     Hubs: 2024-T351 Aluminum Ba Disc Springs: Type 302 Stainles Steel       Temperature     -40°F to 200°F (-40°C to 93°C)     Finish Specification     Sulfuric Anodized MIL-A-8625 T II, Class 2 and ASTM B580 Typ Black Anodize       Manufacturer     Ruland Manufacturing     Country of Origin     USA       Weight (lbs)     0.249600     UPC     634529082430       Tariff Code     8483.60.8000     UNSPC     31163008       Note 1     Stainless steel hubs are available upon request.     Note 2       Note 3     Performance ratings are for guidance only. The user must determine suitability for a particular application normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. Unionmal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In so cases, especially when the smallest standard bores are used or where shafts are undersized, slippage or shaft is possible below the rated torque of the disc springs. Unionmal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. Unionmal/typical	Parallel Misalignment	0.00 in	Static Torque	180 lb-in
Full Bearing Support Required?YesZero-Backlash?YesBalanced DesignYesTorque WrenchTW:BT-1R-1/4-41.0Recommended Hex KeyMetric Hex KeysMaterial SpecificationHubs: 2024-T351 Aluminum Ba Disc Springs: Type 302 Stainles SteelTemperature-40°F to 200°F (-40°C to 93°C)Finish SpecificationSulfuric Anodized MIL-A-8625 T II, Class 2 and ASTM B580 Type Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSAWeight (lbs)0.249600UPC634529082430Tariff 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 particular applicationNote 4Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. Unionomal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. Unionomal/typical conditions the smallest standard bores are used or where shafts are undersized, slippage on shaft is possible below the rated torque of the disc springs. Keyways are available to provide additional torque capacity in the shaft/hub connection when required. Please consult technical support for more	Axial Motion	0.010 in	Torsional Stiffness	625 lb-in/Deg
Balanced DesignYesTorque WrenchTW:BT-1R-1/4-41.0Recommended Hex KeyMetric Hex KeysMaterial SpecificationHubs: 2024-1351 Aluminum Ba Disc Springs: Type 302 Stainles SteelTemperature-40°F to 200°F (-40°C to 93°C)Finish SpecificationSulfuric Anodized MIL-A-8625 T II, Class 2 and ASTM B580 Typ Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSAWeight (lbs)0.249600UPC634529082430Tariff Code8483.60.8000UNSPC31163008Note 1Stainless steel hubs are available upon request.Note 2Note 2Torque ratings are at maximum misalignment.Torque ratings are for guidance only. The user must determine suitability for a particular applicationNote 3Performance ratings are for guidance only. The user must determine suitability for a particular applicationNote 4Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. Un normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. Un normal/typical conditions the hubs are used or where shafts are undersized, slippage of shaft is possible below the rated torque of the disc springs. Un normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. Un orque capacity in the shaft/hub connection when required. Please consult technical support for more	Moment of Inertia	0.0950 lb-in <sup>2</sup>	Maximum Speed	10,000 RPM
Recommended Hex KeyMetric Hex KeysMaterial SpecificationHubs: 2024-T351 Aluminum Ba Disc Springs: Type 302 Stainles SteelTemperature-40°F to 200°F (-40°C to 93°C)Finish SpecificationSulfuric Anodized MIL-A-8625 T II, Class 2 and ASTM B580 Typ Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSAWeight (lbs)0.249600UPC634529082430Tariff Code8483.60.8000UNSPC31163008Note 1Stainless steel hubs are available upon request.Note 1Note 2Torque ratings are at maximum misalignment.Verify for a particular applicationNote 3Performance ratings are for guidance only. The user must determine suitability for a particular applicationNote 4Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. In so cases, especially when the smallest standard bores are used or where shafts are undersized, slippage or shaft is possible below the rated torque of the disc springs. Keyways are available to provide additional torque capacity in the shaft/hub connection when required. Please consult technical support for more	Full Bearing Support Required?	Yes	Zero-Backlash?	Yes
Disc Springs: Type 302 Stainless SteelTemperature-40°F to 200°F (-40°C to 93°C)Finish SpecificationSulfuric Anodized MIL-A-8625 T II, Class 2 and ASTM B580 Type Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSAWeight (lbs)0.249600UPC634529082430Tariff Code8483.60.8000UNSPC31163008Note 1Stainless steel hubs are available upon request.Note 2Note 2Torque ratings are at maximum misalignment.Note 3Note 3Performance ratings are for guidance only. The user must determine suitability for a particular application normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In so cases, especially when the smallest standard bores are used or where shafts are undersized, slippage of shaft is possible below the rated torque of the disc springs. Keyways are available to provide additional torque capacity in the shaft/hub connection when required. Please consult technical support for more	Balanced Design	Yes	Torque Wrench	<u>TW:BT-1R-1/4-41.0</u>
II, Class 2 and ASTM B580 Typ Black AnodizeManufacturerRuland ManufacturingCountry of OriginUSAWeight (lbs)0.249600UPC634529082430Tariff Code8483.60.8000UNSPC31163008Note 1Stainless steel hubs are available upon request.Note 2Note 2Torque ratings are at maximum misalignment.Note 3Performance ratings are for guidance only. The user must determine suitability for a particular applicationNote 4Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. Una normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In so cases, especially when the smallest standard bores are used or where shafts are undersized, slippage of shaft is possible below the rated torque of the disc springs. Keyways are available to provide additional torque capacity in the shaft/hub connection when required. Please consult technical support for more	Recommended Hex Key	Metric Hex Keys	Material Specification	Hubs: 2024-T351 Aluminum Bar, Disc Springs: Type 302 Stainless Steel
Weight (lbs)0.249600UPC634529082430Tariff 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 particular applicationNote 4Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. Univ normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In so cases, especially when the smallest standard bores are used or where shafts are undersized, slippage or shaft is possible below the rated torque of the disc springs. Keyways are available to provide additional torque capacity in the shaft/hub connection when required. Please consult technical support for more	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 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 particular applicationNote 4Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. UnivNote 4Torque ratings for the couplings are capable of holding up to the rated torque of the disc springs. In solic cases, especially when the smallest standard bores are used or where shafts are undersized, slippage or shaft is possible below the rated torque of the disc springs. Keyways are available to provide additional torque capacity in the shaft/hub connection when required. Please consult technical support for more	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 particular application     Note 4   Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. Una normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In some cases, especially when the smallest standard bores are used or where shafts are undersized, slippage or shaft is possible below the rated torque of the disc springs. Keyways are available to provide additional torque capacity in the shaft/hub connection when required. Please consult technical support for more	Weight (Ibs)	0.249600	UPC	634529082430
Note 2   Torque ratings are at maximum misalignment.     Note 3   Performance ratings are for guidance only. The user must determine suitability for a particular application     Note 4   Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. Univolve the normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In some cases, especially when the smallest standard bores are used or where shafts are undersized, slippage or shaft is possible below the rated torque of the disc springs. Keyways are available to provide additional torque capacity in the shaft/hub connection when required. Please consult technical support for more	Tariff Code	8483.60.8000	UNSPC	31163008
Note 3     Performance ratings are for guidance only. The user must determine suitability for a particular application       Note 4     Torque ratings for the couplings are based on the physical limitations/failure point of the disc springs. Une normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In so cases, especially when the smallest standard bores are used or where shafts are undersized, slippage or shaft is possible below the rated torque of the disc springs. Keyways are available to provide additional torque capacity in the shaft/hub connection when required. Please consult technical support for more	Note 1	Stainless steel hubs are available upon request.		
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normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In so cases, especially when the smallest standard bores are used or where shafts are undersized, slippage of shaft is possible below the rated torque of the disc springs. Keyways are available to provide additional torque capacity in the shaft/hub connection when required. Please consult technical support for more	Note 3	Performance ratings are for guidance only. The user must determine suitability for a particular application.		
	Note 4	normal/typical conditions the hubs are capable of holding up to the rated torque of the disc springs. In some cases, especially when the smallest standard bores are used or where shafts are undersized, slippage on the shaft is possible below the rated torque of the disc springs. Keyways are available to provide additional torque capacity in the shaft/hub connection when required. Please consult technical support for more		

**WARNING** 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 <u>www.P65Warnings.ca.gov</u>.

Installation Instructions

- Align the bores of the DCS26-12-8-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 in, *Axial Motion:* 0.010 in)
- 2. Fully tighten the M4 screw on the first hub to the recommended seating torque of 4.6 Nm using a 3.0 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.
- 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 0.755 in.