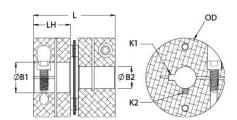




## DCSK36-12-12-A

Ruland DCSK36-12-12-A, 3/4" x 3/4" Single Disc Coupling, Aluminum, Clamp Style With Keyway, 2.250" OD, 2.313" Length





## **Description**

Ruland DCSK36-12-12-A is a clamp single disc coupling with 0.7500" x 0.7500" bores, 2.250" OD, 2.313" length, and 3/16" x 3/16" keyways. 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. DCSK36-12-12-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 DCSK36-12-12-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. DCSK36-12-12-A is manufactured in our Marlborough, MA factory under strict controls using proprietary processes

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|   |          |   |   |    |   |    |                     |        |        |          |     |        |   |   |

| Disc Springs: Type 302 Steel  Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL-A II, Class 2 and ASTM Balack Anodize  Manufacturer Ruland Manufacturing Country of Origin USA  Weight (Ibs) 0.739600 UPC 634529205020  Tariff Code 8483.60.8000 UNSPC 31163008  Note 1 Stainless steel hubs are available upon request.  Note 2 Torque ratings are at maximum misalignment.   | roduct opecifications  |  |                              |  |  |  |  |  |  |  |
|--|--|--|------------------------------|--|--|--|--|--|--|--|
| B1 Max Shaft Penetration   1.085 in   B2 Max Shaft Penetration   1.085 in   Outer Diameter (OD)   2.250 in   Bore Tolerance   +0.001 in / -0.000 in / -0.000 in / -0.000 in / -0.0005 in   Hub Width (LH)   1.050 in   Recommended Shaft Tolerance   +0.000 in / -0.0005 in   Forged Clamp Screw   M6   Screw Material   Alloy Steel   Hex Wrench Size   5.0 mm   Screw Finish   Black Oxide   Seating Torque   16 Nm   Number of Screws   2 ea   Dynamic Torque Reversing   112.5 lb-in   Angular Misalignment   1.0°   Dynamic Torque Non-Reversing   225 lb-in   Parallel Misalignment   0.00 in   Static Torque   450 lb-in   Axial Motion   0.015 in   Torsional Stiffness   1000 lb-in/Deg   Moment of Inertia   0.5188 lb-in²   Maximum Speed   10,000 RPM   Zero-Backlash?   Yes   Balanced Design   Yes   Torque Wrench   TW-BT-4C-3/8-140   Recommended Hex Key   Metric Hex Keys   Material Specification   Disc Springs: Type 302   Steel   Temperature   -40°F to 200°F (-40°C to 93°C)   Finish Specification   Sulfurio Anodized MIL-A   Il, Class 2 and ASTM B: Black Anodize   Manufacturer   Ruland Manufacturing   Country of Origin   USA   UPC   634529205020   Tariff Code   8483.60.8000   UPC   634529205020   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 ap Note 4   Torque ratings are at maximum misalignment.   Torque ratings are to where shafts are undersized, slight in the smallest standard bores are used or where shafts are undersized, slight in the smallest standard bores are used or where shafts are undersized, slight in the smallest standard bores are used or where shafts are undersized, slight in the smallest standard bores are used or where shafts are undersized, slight in the smallest standard bores are used or where shafts are undersized, slight in the smallest standard bores are used or where shafts are undersized, slight in the smallest standard bores a   | ore (B1)   | 0.7500 in  | Small Bore (B2)              | 0.7500 in  |  |  |  |  |  |  |
| Duter Diameter (OD)   2.250 in   Bore Tolerance   +0.001 in / -0.000 in  | (eyway (K1)  | 3/16 in  | Keyway (K2)                  | 3/16 in  |  |  |  |  |  |  |
| Length (L)  2.313 in Hub Width (LH)  1.050 in  Recommended Shaft Tolerance  +0.0000 in / -0.0005 in Forged Clamp Screw M6  Screw Material  Alloy Steel Hex Wrench Size 5.0 mm  Screw Finish Black Oxide Seating Torque 16 Nm  Number of Screws 2 ea Dynamic Torque Reversing 112.5 lb-in  Angular Misalignment 1.0° Dynamic Torque Non-Reversing 225 lb-in  Parallel Misalignment 0.00 in Static Torque 450 lb-in  Axial Motion 0.015 in Torsional Stiffness 1000 lb-in/Deg  Moment of Inertia 0.5188 lb-in² Maximum Speed 10,000 RPM  Zero-Backlash? Yes Balanced Design Yes  Torque Wrench TW.BT-4C-3/8-140 Recommended Hex Key Metric Hex Keys  Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Alumi Disc Springs: Type 302 Steel  Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification USA  Weight (lbs) 0.739600 UPC 634529205020  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 ap normal/typical conditions the hubs are capable of holding up to the rated torque of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, slig cases, especially when the smallest standard bores are used or where shafts are undersized, slig cases, especially when the smallest standard bores are used or where shafts are undersized, slig   | 1 Max Shaft Penetration  | 1.085 in   | B2 Max Shaft Penetration     | 1.085 in   |  |  |  |  |  |  |
| Recommended Shaft Tolerance +0.0000 in / -0.0005 in Forged Clamp Screw M6 Screw Material Alloy Steel Hex Wrench Size 5.0 mm Screw Finish Black Oxide Seating Torque 16 Nm Number of Screws 2 ea Dynamic Torque Reversing 112.5 lb-in Angular Misalignment 1.0° Dynamic Torque Non-Reversing 225 lb-in Parallel Misalignment 0.00 in Static Torque 450 lb-in Axial Motion 0.015 in Torsional Stiffness 1000 lb-in/Deg Moment of Inertia 0.5188 lb-in² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TW:BT-4C-3/8-140 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Alumi Disc Springs: Type 302 Steel  Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification USA Weight (Ibs) 0.739600 UPC 634529205020 Tariff Code 8483.60.8000 UPC 634529205020 Tariff Code 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 ap Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, sligh  | Outer Diameter (OD)  | 2.250 in   | Bore Tolerance               | +0.001 in / -0.000 in  |  |  |  |  |  |  |
| Screw Material Alloy Steel Hex Wrench Size 5.0 mm  Screw Finish Black Oxide Seating Torque 16 Nm  Number of Screws 2 ea Dynamic Torque Reversing 112.5 lb-in  Angular Misalignment 1.0° Dynamic Torque Non-Reversing 225 lb-in  Parallel Misalignment 0.00 in Static Torque 450 lb-in  Axial Motion 0.015 in Torsional Stiffness 1000 lb-in/Deg  Moment of Inertia 0.5188 lb-in² Maximum Speed 10,000 RPM  Zero-Backlash? Yes Balanced Design Yes  Torque Wrench TW:BT-4C-3/8-140 Recommended Hex Key Metric Hex Keys  Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Alumi Disc Springs: Type 302 Steel  Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL-A II, Class 2 and ASTM Bi Black Anodize  Manufacturer Ruland Manufacturing Country of Origin USA  Weight (Ibs) 0.739600 UPC 634529205020  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 ap Note 4  Torque ratings for the couplings are based on the physical limitations/failure point of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, sligt of the couplings are used or where shafts are undersized, sligt of the couplings are used or where shafts are undersized, sligt of the couplings are used or where shafts are undersized, sligt of the couplings are based on the physical limitations/failure point of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, sligt of the couplings are for guidance only or other standard bores are used or where shafts are undersized, sligt of the couplings are for guidance only or other standard bores are used or where shafts are undersized, sligt of the couplings are for guidance only or other standard bores are used or where shafts are undersized, sligt of the coupling are for guidance only or other standard bores are used or where shafts are u | ength (L)  | 2.313 in   | Hub Width (LH)               | 1.050 in   |  |  |  |  |  |  |
| Screw Finish  Number of Screws  2 ea  Dynamic Torque Reversing  112.5 lb-in  Angular Misalignment  1.0°  Dynamic Torque Non-Reversing  225 lb-in  Parallel Misalignment  0.00 in  Static Torque  450 lb-in  Axial Motion  0.015 in  Torsional Stiffness  1000 lb-in/Deg  Moment of Inertia  2.5 lb-in  Axial Motion  0.5188 lb-in²  Maximum Speed  10,000 RPM  Zero-Backlash?  Yes  Balanced Design  Yes  Torque Wrench  TW:BT-4C-3/8-140  Recommended Hex Key  Metric Hex Keys  Full Bearing Support Required?  Yes  Material Specification  Usic Springs: Type 302  Steel  Temperature  -40°F to 200°F (-40°C to 93°C)  Finish Specification  Sulfuric Anodized MIL-A  II, Class 2 and ASTM Bi  Black Anodize  Manufacturer  Ruland Manufacturing  Country of Origin  USA  Weight (lbs)  0.739600  UPC  634529205020  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 ap  Note 4  Torque ratings are for guidance only. The user must determine suitability for a particular ap  Torque ratings for the couplings are based on the physical limitations/failure point of the disc sprin  normal/typical conditions the hubs are capable of holding up to the rated torque of the disc sprin  cases, especially when the smallest standard bores are used or where shafts are undersized, slig   | ecommended Shaft Tolerance   | +0.0000 in / -0.0005 in  | Forged Clamp Screw           | M6   |  |  |  |  |  |  |
| Number of Screws 2 ea Dynamic Torque Reversing 112.5 lb-in Angular Misalignment 1.0° Dynamic Torque Non-Reversing 225 lb-in Parallel Misalignment 0.00 in Static Torque 450 lb-in Axial Motion 0.015 in Torsional Stiffness 1000 lb-in/Deg Moment of Inertia 0.5188 lb-in² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TW:BT-4C-3/8-140 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Usic Springs: Type 302 Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL-A II, Class 2 and ASTM B: Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.739600 UPC 634529205020 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 ap Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, slig   | crew Material  | Alloy Steel  | Hex Wrench Size              | 5.0 mm   |  |  |  |  |  |  |
| Angular Misalignment Parallel Misalignment O.00 in Static Torque A50 lb-in Axial Motion O.015 in Torsional Stiffness 1000 lb-in/Deg Moment of Inertia O.5188 lb-in² Maximum Speed 10,000 RPM Zero-Backlash? Yes Balanced Design Yes Torque Wrench TW:BT-4C-3/8-140 Recommended Hex Key Metric Hex Keys Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Alumi Disc Springs: Type 302 Steel Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL-A II, Class 2 and ASTM B: Black Anodize Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) O.739600 UPC 634529205020 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 ap normal/typical conditions the hubs are capable of holding up to the rated torque of the disc sprin orase, especially when the smallest standard bores are used or where shafts are undersized, slip  | crew Finish  | Black Oxide  | Seating Torque               | 16 Nm  |  |  |  |  |  |  |
| Parallel Misalignment  O.00 in  Static Torque  450 lb-in  Axial Motion  O.015 in  Torsional Stiffness  1000 lb-in/Deg  Moment of Inertia  O.5188 lb-in²  Maximum Speed  10,000 RPM  Zero-Backlash?  Yes  Balanced Design  Yes  Torque Wrench  TW:BT-4C-3/8-140  Recommended Hex Key  Metric Hex Keys  Full Bearing Support Required?  Yes  Material Specification  Hubs: 2024-T351 Alumi Disc Springs: Type 302 Steel  Temperature  -40°F to 200°F (-40°C to 93°C)  Finish Specification  Sulfuric Anodized MIL-A II, Class 2 and ASTM B: Black Anodize  Manufacturer  Ruland Manufacturing  Country of Origin  USA  Weight (Ibs)  O.739600  UPC  634529205020  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 ap  Note 4  Torque ratings for the couplings are based on the physical limitations/failure point of the disc sprin ormal/typical conditions the hubs are capable of holding up to the rated torque of the disc sprin ormal/typical conditions the hubs are capable of holding up to the rated torque of the disc sprin ormal/typical conditions the hubs are capable of holding up to the rated torque of the disc sprin ormal/typical conditions the hubs are capable of holding up to the rated torque of the disc sprin ormal/typical conditions the hubs are capable of holding up to the rated torque of the disc sprin  | lumber of Screws   | 2 ea   | Dynamic Torque Reversing     | 112.5 lb-in  |  |  |  |  |  |  |
| Axial Motion  0.015 in Torsional Stiffness 1000 lb-in/Deg  Moment of Inertia 0.5188 lb-in² Maximum Speed 10,000 RPM  Zero-Backlash? Yes Balanced Design Yes  Torque Wrench TW:BT-4C-3/8-140 Recommended Hex Key Metric Hex Keys  Full Bearing Support Required? Yes Material Specification Hubs: 2024-T351 Alumi Disc Springs: Type 302 Steel  Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL-A II, Class 2 and ASTM B: Black Anodize  Manufacturer Ruland Manufacturing Country of Origin USA  Weight (Ibs) 0.739600 UPC 634529205020  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 ap Note 4  Torque ratings for the couplings are based on the physical limitations/failure point of the disc sprin ormal/typical conditions the hubs are capable of holding up to the rated torque of the disc sprin ormal/typical conditions the hubs are capable of holding up to the rated torque of the disc sprin cases, especially when the smallest standard bores are used or where shafts are undersized, slip   | ngular Misalignment  | 1.0°   | Dynamic Torque Non-Reversing | 225 lb-in  |  |  |  |  |  |  |
| Moment of Inertia  0.5188 lb-in²  Maximum Speed  10,000 RPM  Yes  Balanced Design  Yes  Torque Wrench  TW:BT-4C-3/8-140  Recommended Hex Key  Metric Hex Keys  Hubs: 2024-T351 Alumi Disc Springs: Type 302 Steel  Temperature  -40°F to 200°F (-40°C to 93°C)  Finish Specification  Material Specification  Sulfuric Anodized MIL-A II, Class 2 and ASTM B: Black Anodize  Manufacturer  Ruland Manufacturing  Country of Origin  USA  Weight (lbs)  0.739600  UPC  634529205020  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 ap Note 4  Torque ratings for the couplings are based on the physical limitations/failure point of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, sligt  | arallel Misalignment   | 0.00 in  | Static Torque                | 450 lb-in  |  |  |  |  |  |  |
| Zero-Backlash?YesBalanced DesignYesTorque WrenchTW:BT-4C-3/8-140Recommended Hex KeyMetric Hex KeysFull Bearing Support Required?YesMaterial SpecificationHubs: 2024-T351 Alumi Disc Springs: Type 302 SteelTemperature-40°F to 200°F (-40°C to 93°C)Finish SpecificationSulfuric Anodized MIL-A II, Class 2 and ASTM Biselack AnodizeManufacturerRuland ManufacturingCountry of OriginUSAWeight (Ibs)0.739600UPC634529205020Tariff 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 apNote 4Torque ratings for the couplings are based on the physical limitations/failure point of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, slip  | xial Motion  | 0.015 in   | Torsional Stiffness          | 1000 lb-in/Deg   |  |  |  |  |  |  |
| Torque Wrench TW:BT-4C-3/8-140 Recommended Hex Key Metric Hex Keys  Yes Material Specification Hubs: 2024-T351 Alumi Disc Springs: Type 302 Steel  Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL-A II, Class 2 and ASTM B: Black Anodize  Manufacturer Ruland Manufacturing Country of Origin USA Weight (lbs) 0.739600 UPC 634529205020 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 ap Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, slipt  | Ioment of Inertia  | 0.5188 lb-in <sup>2</sup>  | Maximum Speed                | 10,000 RPM   |  |  |  |  |  |  |
| Full Bearing Support Required?  Yes  Material Specification  Hubs: 2024-T351 Alumi Disc Springs: Type 302 Steel  Temperature  -40°F to 200°F (-40°C to 93°C)  Finish Specification  Sulfuric Anodized MIL-A II, Class 2 and ASTM Bi Black Anodize  Wanufacturer  Ruland Manufacturing  Country of Origin  USA  Weight (Ibs)  0.739600  UPC  634529205020  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 ap  Note 4  Torque ratings for the couplings are based on the physical limitations/failure point of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, slig  | ero-Backlash?  | Yes  | Balanced Design              | Yes  |  |  |  |  |  |  |
| Disc Springs: Type 302 Steel  Temperature -40°F to 200°F (-40°C to 93°C) Finish Specification Sulfuric Anodized MIL-A II, Class 2 and ASTM Bi Black Anodize  Manufacturer Ruland Manufacturing Country of Origin USA Weight (Ibs) 0.739600 UPC 634529205020  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 ap Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, slig   | orque Wrench   | TW:BT-4C-3/8-140   | Recommended Hex Key          | Metric Hex Keys  |  |  |  |  |  |  |
| II, Class 2 and ASTM Bablack Anodize  Manufacturer Ruland Manufacturing Country of Origin USA  Weight (lbs) 0.739600 UPC 634529205020  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 ap  Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, slight  | ull Bearing Support Required?  | Yes  | Material Specification       | Hubs: 2024-T351 Aluminum Bar,<br>Disc Springs: Type 302 Stainless<br>Steel             |  |  |  |  |  |  |
| Weight (lbs)  0.739600  UPC 634529205020  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 ap  Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc spring normal/typical conditions the hubs are capable of holding up to the rated torque of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, slip  | emperature   | -40°F to 200°F (-40°C to 93°C)   | Finish Specification         | Sulfuric Anodized MIL-A-8625 Type<br>II, Class 2 and ASTM B580 Type B<br>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 particular ap  Note 4  Torque ratings for the couplings are based on the physical limitations/failure point of the disc spring normal/typical conditions the hubs are capable of holding up to the rated torque of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, slip  | lanufacturer   | 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 ap  Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc spring  normal/typical conditions the hubs are capable of holding up to the rated torque of the disc spring  cases, especially when the smallest standard bores are used or where shafts are undersized, slip  | Veight (lbs)   | 0.739600   | UPC                          | 634529205020   |  |  |  |  |  |  |
| Note 2 Torque ratings are at maximum misalignment.  Note 3 Performance ratings are for guidance only. The user must determine suitability for a particular ap  Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc spring  normal/typical conditions the hubs are capable of holding up to the rated torque of the disc spring  cases, especially when the smallest standard bores are used or where shafts are undersized, slip   | ariff Code   | 8483.60.8000   | UNSPC                        | 31163008   |  |  |  |  |  |  |
| Note 3  Performance ratings are for guidance only. The user must determine suitability for a particular ap  Note 4  Torque ratings for the couplings are based on the physical limitations/failure point of the disc spring normal/typical conditions the hubs are capable of holding up to the rated torque of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, slip   | lote 1   | Stainless steel hubs are available upon request.   |                              |  |  |  |  |  |  |  |
| Note 4 Torque ratings for the couplings are based on the physical limitations/failure point of the disc spring normal/typical conditions the hubs are capable of holding up to the rated torque of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, slip  | lote 2   | Torque ratings are at maximum misalignment.  |                              |  |  |  |  |  |  |  |
| normal/typical conditions the hubs are capable of holding up to the rated torque of the disc spring cases, especially when the smallest standard bores are used or where shafts are undersized, slip   | lote 3   | Performance ratings are for guidance only. The user must determine suitability for a particular application. |                              |  |  |  |  |  |  |  |
| shalt is possible below the rated torque of the disc springs. Reyways are available to provide add   | d torque of the disc springs. In some shafts are undersized, slippage on the |  |                              |  |  |  |  |  |  |  |

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**

- 1. Align the bores of the DCSK36-12-12-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:* 0.015 in)
- 2. Fully tighten the M6 screw on the first hub to the recommended seating torque of 16 Nm using a 5.0 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.
- 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 1.085 in.