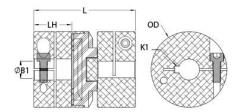




OCC26-8-A

Ruland OCC26-8-A, 1/2" Oldham Coupling Hub, Aluminum, Clamp Style With Keyway, 1.625" OD, 0.710" Length





Description

Ruland OCC26-8-A is a clamp oldham coupling hub with a 0.5000" bore, 1/8" keyway, 1.625" OD, and 0.710" length. It is a component of a three-piece design consisiting of two anodized aluminum hubs press fit onto a center disk. This three-piece design allows for a highly customizable coupling that easily combines clamp or set screw hubs with inch, metric, keyed, and keyless bores. Disks are available in three materials allowing the user to tailor coupling performance to their application. OCC26-8-A can accommodate all forms of misalignment and is especially useful in applications with high parallel misalignment (up to 10% of the OD). It operates with low bearing loads protecting sensitive system components such as bearings and has a balanced design for reduced vibration at speeds up to 6,000 RPM. Hardware is metric and tests beyond DIN 912 12.9 standards for maximum torque capabilities. OCC26-8-A is machined from bar stock that is sourced exclusively from North American mills and is RoHS3 and REACH compliant. It is manufactured in our Marlborough, MA factory under strict controls using proprietary processes.

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pre Tolerance +0.001 in /-0.000 in Hub Width (LH) 0.710 in ength (L) 2.000 in (50.8 mm) Recommended Shaft Tolerance +0.0000 in /-0.0005 in orged Clamp Screw M4 Number of Screws 1 ea corew Material Alloy Steel Screw Finish Black Oxide eating Torque 4.6 Nm Hex Wrench Size 3.0 mm orque Specifications Torque ratings vary with insert selection Torque specifications 0.010 in (0.25 mm) Max Parallel Misalignment 0.5° searlell Misalignment 0.006 in (0.15 mm) Moment of Inertia 0.0500 lb-in² aximum Speed 4,500 RPM Recommended Inserts OD26/41-NL OD26/41-NL OD26/41-PEK UII Bearing Support Required? Yes Zero-Backlash? Yes alanced Design Yes Mechanical Fuse? Yes PC 634529118627 Country of Origin USA aterial Specification Sulfuric Anodized MIL-A-8625 Type Black Anodize Black Anodize Ruland Manufacturing II, Class 2 and ASTM B580 Type Black Anodize Ruland Manufacturing II, Class 2 and ASTM B580 Type Black Anodize Ruland Manufacturing II, Class 2 and ASTM B580 Type Black Anodize Ruland Manufacturing II, Class 2 and ASTM B580 Type Black Anodize Ruland Manufacturing II, Class 2 and ASTM B580 Type Black Anodize Ruland Manufacturing II, Class 2 and ASTM B580 Type Black Anodize Ruland Manufacturing II, Class 2 and ASTM B580 Type Black Anodize Ruland Manufacturing II, Class 2 and ASTM B580 Type Black Anodize Ruland Manufacturing II, Class 2 and ASTM B580 Type Black II of to 150°F (-23°C to 65°) Nylon Disk -10°F to 130°F (-23°C to 54°C) PEEK Disk -10°F to 300°F (-23°C to 148°C) PEEK Disk -10°F to 500°F (-23°C to 148°C) PEEF Disk -10°F to 500	Bore (B1)	0.5000 in	Keyway (K)	1/8 in		
Part Color	Outer Diameter (OD)	1.625 in (41.3 mm)	B1 Max Shaft Penetration	0.710 in		
Driged Clamp Screw M4 Number of Screws 1 ea Lorew Material Alloy Steel Screw Finish Black Oxide Ask Mrench Size 3.0 mm Drique Specifications Torque ratings vary with insert selection Torque ratings vary with insert selection Max Parallel Misalignment 0.163 in (4.13 mm) Angular Misalignment 0.006 in (0.25 mm) Max Parallel Misalignment 0.0500 lb-in² Aximum Speed 4,500 RPM Recommended Inserts 0D26/41-AT, 0D26/41-NL, 0D26/41-PEK All Bearing Support Required? Yes Zero-Backlash? Yes Alalanced Design Yes Mechanical Fuse? Yes PC 634529118627 Country of Origin USA aterial Specification 2024-T351 Aluminum Bar Finish Black Anodized Anish Specification Suffuric Anodized MIL-A-8625 Type Manufacturer II, Class 2 and ASTM B580 Type B Black Anodize Acetal Disk -10°F to 150°F (-23°C to 54°C) PEEK Disk -10°F to 130°F (-23°C to 148°C) Ariff Code 8483.60.8000 UNSPC 31163015 "Now available in stainless steel!" "Performance ratings are for guidance only. The user must determine suitability for a particular application." "Torque ratings for the couplings are based on the physical limitations/failure point of the torque disks. Undo "Torque ratings for the couplings are based on the physical limitations/failure point of the torque disks. Please consul	Bore Tolerance	+0.001 in / -0.000 in	Hub Width (LH)	0.710 in		
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Actal Disk -10°F to 150°F (-23°C to 54°C) PEK Disk -10°F to 300°F (-23°C to 148°C) ariff Code 8483.60.8000 Wes Zero-Backlash? Yes Mechanical Fuse? Yes Mechanical Fuse? Yes Country of Origin USA Black Anodized Black Anodized Ruland Manufacturing Ruland Manufacturing Weight (lbs) 0.134500 0.134500 UNSPC 31163015 Weight Code 8483.60.8000 WNSPC 31163015 "Torque ratings are for guidance only. The user must determine suitability for a particular application. of the torque disks. Und normal/typical conditions the hubs are capable of holding up to the rated torque of the disks. Please consul	Axial Motion	0.006 in (0.15 mm)	Moment of Inertia	0.0500 lb-in ²		
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Prop 65

▲WARNING This product can expose you to the chemical Ethylene Thiourea, known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Installation Instructions

- 1. Align the bores of the OCC26-8-A oldham coupling hubs on the shafts that are to be joined and determine if the misalignment parameters are within the limits of the coupling. (*Angular Misalignment:* 0.5° *Parallel Misalignment:* 0.010 in (0.25 mm), *Axial Motion:* 0.006 in (0.15 mm))
- 2. Rotate the hubs on the shaft so the drive tenons are located 90° from each other.
- 3. Place a torque disk so one groove fits over the drive tenons of a hub and center the disk by hand.
- 4. Insert a shim with the thickness of the coupling's axial motion rating into the groove of the torque disk.
- 5. Slide the tenons of the second hub into the mating groove in the disk until it touches the shim stock.
- 6. Fully tighten the M4 screw(s) on each hub to the recommended seating torque of 4.6 Nm using a 3.0 mm hex torque wrench.
- 7. Remove the shim stock to leave a small gap between the top of the drive tenons and the torque disk to allow for axial movement.