Fan Clutches

USWM Fan Clutches are designed with quality in mind. All product applications have been designed and tested to meet or exceed original original equipment specifications. Our advanced research design in each of our fan clutches contain the highest quality material to create the most superior products available in today's market. Designed & Tested in the USA. ISO:9001-2015 Certified Company.

Features

- **Premium components High load**
- **bearings Improved shaft design**
- **Precision CNC machining**

Quality fan clutches made with premium components

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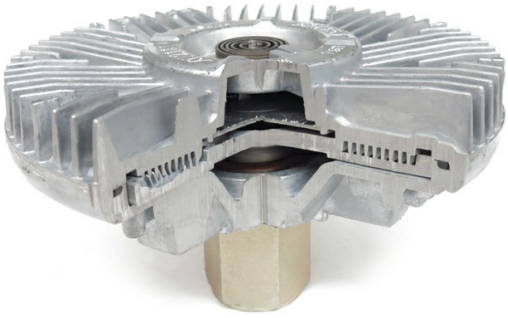
Available in:

- **Thermal**
- **Non-Thermal**
- **Electric**
- **Molded Fan Design**

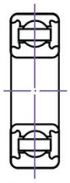


Benefits of high load bearings

High load bearings are crucial to the performance and life of a fan clutch. By increasing the load capacity you increase the durability and wear resistance, thus ensuring longer component life. Below is a comparison of USMW's three primary, high load bearings used throughout our fan clutch line.

USMW small import and regular applications

6303: 41% Capacity Increase vs 6203

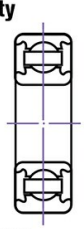


6203 size

- 17 mm bore
- 40 mm outer diameter
- 12 mm width
- Dynamic Capacity (Cr): 9,550 N

USMW heavy duty applications

6304: 18% Capacity Increase vs 6303

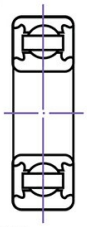


6303 size

- 17 mm bore
- 47 mm outer diameter
- 14 mm width
- Dynamic Capacity (Cr): 13,550 N

USMW severe duty applications

6304: 66% Greater than 6203



6304 size

- 20 mm bore
- 52 mm outer diameter
- 15 mm width
- Dynamic Capacity (Cr): 15,900 N

Benefits of improved shaft design

USMW Professional Series is always looking to improve performance and quality. The fan clutch shaft is just one of the key components to receive improvements over OE specs. Its improved design makes for higher strength and load capacity. The smooth surfaces have less stress risers, while the end of the shaft is stacked for anti-rotation.

- **High strength**
- **High load capacity**
- **Smooth surfaces have less stress risers**
- **Reduced material stresses in assembly**
- **Full surface contact of interference fit**
- **Staked end for anti-rotation**

Benefits of precision CNC machining

Quality doesn't just mean quality internal components. Making sure a component fits to OE specs is equally as important. This is why our fan clutches mounting surfaces are CNC machined, and tap & drilled. This makes fitment of the mating surfaces an exact fit for easy installation, and helps prevent leaks.

- **Guaranteed fitment with mating components**
- **CNC machined to exact OE specifications and fit**
- **Prevents Leaks**

Derale Performance provides the best in performance engine cooling equipment.