

# MCM Centrifugal Pump Features

**DUPAGRO**  
P A R T S

## MCM Heavy Duty Pedestal

MCM prides itself in manufacturing a heavy-duty frame to withstand piping loads. The frame is manufactured from cast iron for high strength and durability.



## MCM Casing

The MCM pump housing has been beefed up in critical wear areas for extra life. The concentric housing eliminates vibration, turbulence and cavitation and reduces bearing load and shaft



## MCM Impeller (Open Vane Design)

MCM Open Vane Impeller Design is engineered to reduce turbulence, eliminate recirculation, lower thrust loads and provide a smooth flow of fluid through the pump.



## MCM Impeller (Semi-Open Vane)

MCM also carries semi-open vane impellers in the 5x6, 6x8 and 8x10 sizes.

## The MCM Wear Pads

The MCM housing comes with replaceable wear pads in sizes from 3x4x13 inches thru 8x10x14 inches. This feature reduces the maintenance costs of housing replacement by merely replacing the wear pads.



## MCM Shearing Ring

MCM Shearing Ring MCM offers a shearing ring option to convert a regular 250 series pump into a shearing pump for mud application.



## MCM Mechanical Seals

MCM takes pride in carrying one of the finest mechanical seals on the market whether it be tungsten-tungsten, tungsten-silicone or silicone-carbide. They come with highly polished sealing face, with viton bellows and stainless steel springs.



## MCM Pump Bearings

MCM uses nothing but the best and the finest American SKF bearings in its pumps. The outboard bearing assembly consist of a pair of angular contact bearings with high thrust load ratings and zero end play. The heavy duty inboard bearing is a double row ball bearing with high radial load ratings to compensate for the larger size impellers and heavy duty applications.



## MCM Labyrinth Seals (Optional)

MCM installs labyrinth seals by customer request in all its pumps to isolate the bearing from harmful contaminants while keeping bearing lubricated.



## MCM Shaft

The MCM shaft is manufactured from the highest quality all Designed to transmit the maximum torque with minimum shaft deflection.



## MCM Shaft Sleeve

The MCM shaft sleeve is manufactured from 416 stainless steel and ceramic coated for extra life. The sleeve is designed to protect the shaft from abrasive fluids.



## MCM Stuffing Box

MCM Stuffing Box cover is designed to combine the functions of the wear plate and stuffing box of conventional pumps into one piece replaceable unit. The stuffing box cover is available in two styles: for mechanical seals or for regular packing.

