



## Wire rope Sheaves - McKissick

### Product information

3mm - 76mm wire line  
Bronze Bush, Roller Bearing, Taper Roller Bearing  
Finish Bore  
Roll forged  
Flame Hardened Groove Rockwell C35  
API Q1 Certified Manufacturing Plant

#### **Stepped hub design proves better.**

The McKissick hub is stepped to eliminate stress failure in the weld, common in traditional hub designs. The hub is pressed into place with complete metal-to-metal contact. This helps ensure an accurate alignment to the hub's axis so there's no wobble or lopping of the rotating sheave. The precision aligned hub/sheave wheel combination adds to the bearing life and keeps the sheave on the job longer.

#### **Closed die upset and roll forged – not split.**

Upsetting and roll forging forms the groove and flange walls in multiple steps, eliminating the need to split and weaken the groove. This exclusive forging process adds extra strength to the critical groove section. You can count on a McKissick sheave to give maximum life performance, because its forged to distribute the wire rope forces evenly over an accurately formed load surface. Plus, uniformity of the roll forged groove adds longer wire rope life.

#### **Full range of standard sheave sizes.**

McKissick roll forged sheaves are available in a full range of sizes from 305mm to 1829mm, and bearing styles and prices that best fit your application. Crosby also manufactures custom McKissick sheaves and can make minor modifications to standard sheaves as needed for special applications.

#### **Solid steel – no castings.**

Every McKissick sheave starts as a single piece of solid carbon steel plate. It's flame - cut from closely checked stock, so there's no inherent web/rim flaw as you find in cast sheaves. There's better balance and better distribution of forces with a McKissick roll forged sheave too. Casting can result in groove wall variations - either to thick or to thin - causing uneven stresses and early failure.

#### **Flame hardened groove.**

Crosby's hardening technique is a science. It provides a precise maximum hardness for wear-resistance across the wire rope contact area. The McKissick sheave groove is flame hardened to a minimum 35 Rockwell C for a 140°, contact area with the wire rope. The solid steel plate provides the ideal surface for flame hardening an a closer tolerance fit to the wire rope fatigue and wear.

#### **Bearing selection to match your job requirement.**

The McKissick Roll Forged sheave is available in the following configurations: Plain Bore

- Bronze Bushed
- Roller Bearing
- Tapered Roller Bearing
- Lubrication Through Hub
- Set Screws

#### **Ordering Information**

McKissick sheaves come in a variety of sizes to suit your specific applications. Check the tables for the size, bearing style etc. that best fit your application. For applications that require unique specifications Crosby can make minor modifications to many of the sheaves listed at a reasonable charge. We can also custom design and manufacture sheaves to your exact requirements. Contact Certex Sales to order McKissick sheaves and include the stock number and quantity. For special requirements or custom designed sheaves, furnish the following important information:

Wireline Size Nominal Outside Diameter

Shaft Diameter Hub Width

Weight Requirements Rim Width

Hub Diameter Nominal Tread Diameter

Bore Finished Other Specific Requirements

**Features:** Outside Diameter 57mm - 1288mm as standard