Crosby® Value Added

McKissick® Roll-Forged™ Heavy Duty sheaves are made by upsetting and forming 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.

McKissick Domed reinforced Extreme Duty Roll Forged Sheaves™ are welded in a circular pattern thus eliminating the higher stresses created by welding ribs or other forms of stiffeners.

McKissick Heavy Duty sheaves are available with machined groove rings or machine forged rings utilized for the rim or hub.

McKissick Heavy Duty closed die forged sheaves offer the performance of closed die forging with the precision machining capabilities of CNC machinery.

McKissick Normal Duty malleable cast sheaves offer the performance of closed die forging with the precision machining capabilities of CNC machinery.

McKissick sheaves come in a variety of sizes to suit your specific applications. Crosby offers many sheaves as standard and these are shown in the pages that follow. 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.

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 (upon special request the McKissick sheave groove can be flame hardened to a minimum 50 rockwell C for a 150° contact area with the wire rope). The solid steel plate provides the ideal surface for flame hardening and a closer tolerance fit to the wire rope to reduce fatigue and wear.

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 is 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.

MCKISSICK® STANDARD BEARINGS

(B) Bronze Bushing

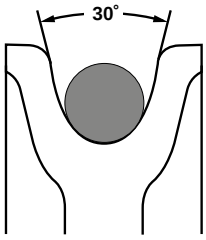
(R) Roller Bearings

(W) Roller Bearing with Thrust Washers

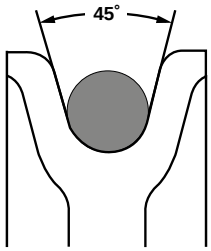
(C) Full Complement Cylindrical Roller Bearing

(T) Tapered Roller Bearing

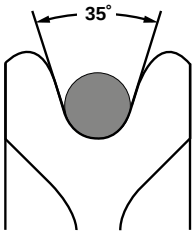
MCKISSICK® WIRE LINE GROOVE PROFILES



API STYLE
30 degrees



EUROPEAN STYLE
45 degrees



AISE STYLE
35 degrees

Custom sheaves are available. See page 281 for ordering details.

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