

## IMPORTANT CONSIDERATIONS

Some of the most important considerations in your block requirements are:

### Available bearing types



Bronze Bushed  
SAE 660 bronze with  
figure 8 oil groove



Double Row Sealed  
Tapered Roller Bearing



Straight Roller  
Bearing



Full Complement  
Cylindrical Roller Bearing

### The sheave

In the image on the right, note the groove form with proper line support and gently rounded lips to prevent line chafing when fleet angles are present.

The sheave cross-section is machined in the image to the right, and the dense martensitic structure is clearly outlined by the etching.

This flame-hardened surface in the wear area of the sheave always presents a smooth, uncorrugated, proper size groove – face to the line. Sheaves 356 mm (14in) diameter and larger are flame hardened in groove to minimum 35 Rockwell C.

Smaller sheaves can be flame hardened on special order.



Unretouched photograph  
of a section cut from a flame-  
hardened McKissick sheave  
(etched 2-1/2 minutes)

### Additional connections

All crane and construction blocks can be furnished with:



Swivel shackle in selected  
capacities with bronze thrust  
or roller thrust bearing



Single hook in capacities to  
300 metric tons



Duplex swivel hook in standard  
capacities up to 1,000 metric tons  
(larger sizes available)



Quad swivel hook from 200  
Metric tons and larger

## ORDERING INSTRUCTIONS

The following information should be specified when ordering blocks and sheaves:

### Blocks

- Wire rope diameter
- Working Load Limit
- Number of sheaves
- Minimum overhaul weight
- Sheave diameter
- Hook or shackle fittings
- Type of bearing: bronze bushed (BB), roller (RB), tapered roller (TB)

All crane and some construction blocks are available as shown or with swivel shackle assembly, duplex swivel hook assembly, or quadruple hook assembly. Various combinations of bearing assemblies can be furnished, such as bronze bushed sheaves and swivel hooks, roller or tapered roller bearing sheaves and hook assemblies, or a combination of bronze, roller, or tapered roller bearings.

### Sheaves

- Wire rope diameter
- Sheave OD
- Shaft or bore size
- Bearing type or blain bore
- Hub width & rim width
- Stock number (if known)
- Special machine features
- Special finishes

If hub or rim dimensions necessitate a dimension other than those shown in this catalog, please contact The Crosby Group for minimums and maximums. Tapered roller bearing sheaves show width over bearing cones, which cannot be altered. Price and delivery for your special needs, if not shown, are available upon request.