

# Crosby® Real Life Solutions

Complete Line of Crane Products and Accessories



# McKissick® 380 Series Easy Reeve Crane Blocks



Forged Crosby alloy steel hooks with patented **QUIC-CHECK®** markings and heavy duty positive locking hook latch.

- Standard block configurations can be from a single sheave design to a five sheave design.
- Available from 5 to 80 metric tons.
- Larger models and configurations available upon request.
- All McKissick® 380 Series Easy Reeve Crane Blocks have a design factor of 4 to 1, unless otherwise noted in the Crosby General Catalog.
- All McKissick® Crane Blocks are RFID equipped.

**Sheave Guards** open to allow block reeving without removing the rope end fitting.



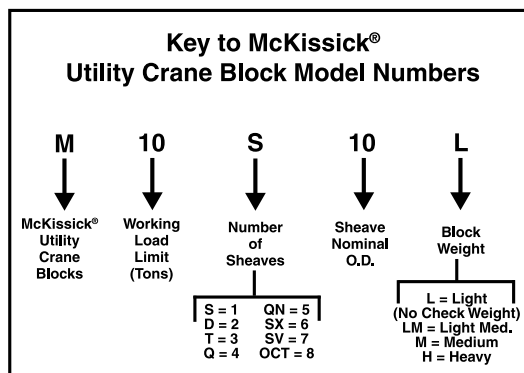
**Center "Dead End"** to promote better block travel under various reeving configurations.



**Flat bottom** side plate for self standing during reeving process.

# McKissick® 380 Series Crane Blocks

- Standard block configurations can be from a single sheave design to an eight sheave design.
- Available from 5 to 300 metric tons.
- Larger models and configurations available upon request.
- All McKissick® 380 Series Crane Blocks have a design factor of 4 to 1, unless otherwise noted in the Crosby General Catalog.
- All McKissick® Crane Blocks are RFID equipped.



# McKissick® UB500 Overhaul Balls



Top Swivel Design



Non-Swivel Design



- UB500 Overhaul Balls are available in Top Swivel and Non-Swivel configurations.
- Available in capacities from 4 to 30 tons.
- Design factor of 4 to 1.
- All McKissick® Overhaul Balls are RFID equipped.

All hooks used on UB500 Overhaul Balls (S320, S320N and S1316A) are forged from alloy steel. The 320 and 320N style hooks come complete with latches.

Sizes 4 tons through 10 tons available with Crosby's 1316A "Positive Locking" SHUR-LOC® hook which may be used for lifting personnel. Meets OSHA Rule 1926.550(g).

Each ball can be equipped with a McKissick® US-422T Wedge Socket which can be easily adjusted to fit various sizes of wire rope by changing the wedge. (Ensure that correct wedge is used for selected wire rope size.)



S1316A SHUR-LOC® Eye Hook



Both styles available with optional McKissick® Wedge Socket Assembly

# McKissick® 680 Series Construction Blocks



680 Series Blocks are available with Bolt Only, Hanger Only, or Hanger with Shackle.

- Standard Block configurations can be from a single sheave design to a four sheave design.
- Available from 5 to 100 tons.
- Larger models and configurations available upon request.
- All McKissick® 680 Series Construction Blocks have a design factor of 4 to 1.
- All McKissick® 680 Series Construction Blocks are RFID equipped.

Key to McKissick® 680 Construction Block Model Numbers					
C	10	D	14	B	(P, H, S)
↓	↓	↓	↓	↓	↓
McKissick Construction Blocks	Working Load Limit (tons)	Number of Sheaves	Sheave Nonimal O.D. (in.)	Bearing Type	Fitting Type
		S = 1 D = 2 T = 3 Q = 4		B = Bronze Bushed R = Roller Bearing	P = Bolt Only H = with Hanger S = with Hanger and Shackle



# McKissick® Snatch Blocks



With Hook



With Shackle



Tailboard



- A wide variety of McKissick® snatch blocks are available:
  - Capacities from 2 to 30 metric ton
  - Sheave diameters from 3" to 24" (76mm - 610mm)
  - Wireline sizes from 5/16" to 1-1/4" (7.9mm - 31.7mm)
  - Painted finish
- Snatch Blocks have a design factor of 4 to 1, and most styles are Fatigue Rated.
- 3" to 10" blocks furnished with dual rated wireline sheaves.
- Furnished with either bronze bushings or roller bearings.
- Pressure lube fittings for easy maintenance.
- 408 and 409 models feature two sheaves.
- All McKissick® snatch blocks are RFID equipped.

**Fatigue Rated**



Model 408

# Crosby® Swivels

## Equipped with Tapered Roller Thrust Bearing

- Suitable for frequent rotation under load.
- All swivels individually proof tested with certification.
- All hooks furnished with latches assembled.
- All jaws complete with bolts, nuts and cotter pins.
- Pressure lube fitting provided.
- **NOT TO BE USED ON DEMOLITION (WRECKING) BALLS.**
- Other types and capacities up to 600 tons, available to meet your requirements.



S1  
Jaw & Hook



S2  
Jaw & Jaw



S3  
Jaw & Eye



S4  
Eye & Jaw



S5  
Eye & Eye



S6  
Eye & Hook

# Crosby® Wedge Sockets



S-423T

- Sizes Available: 5/8" to 1-1/4" (14-32mm) rope sizes.
- The Crosby S-423T Super TERMINATOR™ is the first wedge socket designed to take advantage of the performance properties associated with high performance, high strength, compacted strand, rotation resistant wire rope.
- Innovative design will significantly increase the termination efficiency over existing wedge sockets available today.
- Patent pending design eliminates the difficulty of installing high performance, high strength, compacted strand, rotation resistant wire rope into a wedge socket termination.
- Proper application of the Super TERMINATOR™ eliminates the "first load" requirement of conventional wedge socket terminations.
- Available as a complete assembly, or as a wedge kit that can be retrofitted onto existing Crosby S-421T TERMINATOR™ wedge sockets.
- Available with bolt, nut and cotter (S-423TB).



S-421T

US-422T

- Sizes Available: 3/8" to 1-1/4" (9-32mm) rope sizes.
- Wedge socket terminations have an efficiency rating of 80% based on the catalog strength of XXIP wire rope.
- Basket is cast steel and individually magnetic particle inspected.
- Secures the tail or "dead end" of the wire rope to the wedge, thus eliminating loss or "punch out" of the wedge.
- The TERMINATOR™ wedge eliminates the potential breaking off of the tail due to fatigue.
- Incorporates Crosby's patented QUIC-CHECK® "Go" and "No-Go" feature cast into the wedge.
- The 3/8" (9.5mm) through 1-1/8" (28.7mm) standard S-421 Wedge Socket can be retrofitted with the new style TERMINATOR™ wedge.
- Available with bolt, nut and cotter pin (S-421B).

# Crosby® Button Spelter Sockets



- Available in sizes from 1/2" to 1-1/2" (13mm - 38mm).
- Button Spelter terminations have a 100% efficiency rating, based on the catalog strength of wire rope.
- Designed for use with mobile cranes. Can be used to terminate high performance, rotation-resistant ropes and standard 6-strand ropes.
- Easy to install assembly utilizes Crosby® WIRELOCK® socketing compound.
- Sockets and buttons are re-usable.
- Locking feature available to prevent rotation of rope.
- Button contains cap with eye that can be attached to, and used to pull rope during reeving process.

# McKissick® Split-Nut Retention System

## Crosby® - Real Life Solutions

Innovative McKissick® Split-Nut Retention System Makes Inspection Easier.

### Crane Block Hook Inspection in 4 Easy Steps

#### STEP 1

Remove protective vinyl cover



#### STEP 2

Remove retaining ring



#### STEP 3

Slide keeper ring off split nuts



#### STEP 4

Easily remove split nut halves to inspect shank hook

Shank hooks on crane blocks must be inspected in accordance with applicable ASME B30, CSA Z150 and other crane standards. These standards mandate the crane hook to be inspected for surface indications, damage and corrosion which could compromise the integrity of the crane block. Because of the type of environment in which these hooks are required to perform, the removal of corroded nuts from the threads can become a problem during inspections. The innovative patented\* Split-Nut Retention System featured on McKissick® crane blocks makes inspection easier. With 4 easy steps, the hook can be disassembled, inspected and put back into service in a fraction of the time of a conventional threaded nut.



*Fatigue Rated*

The Split-Nut is available upon request for McKissick® Easy Reeve® crane blocks up to 80 tons.

- Allows for easy inspection as required by ASME B30, CSA Z150 and other crane standards
- Eliminates conventional threaded nut and problems associated with the nut removal for inspection.
- Allows repeated installation and removal without risk of damage to hook/nut interface.
- Zinc plated finish for corrosion resistance
- Replacement hook and trunnion assemblies available for selected McKissick® 380, or Easy Reeve® & 790 blocks with threaded hooks.

The new patented\* Split-Nut can be purchased in a variety of configurations that can be used to retrofit the following McKissick® blocks in the field or in the shop.

- Over 80 tons and larger crane blocks, upon request
- Bridge crane blocks
- 80 Series tubing blocks

In addition, the Split-Nut can be used to replace existing hooks on existing crane blocks currently in the field (most manufacturers makes and models) and on special designed lifting equipment.

**McKISSICK®**  
Your Total Block Company

**the Crosby® group**

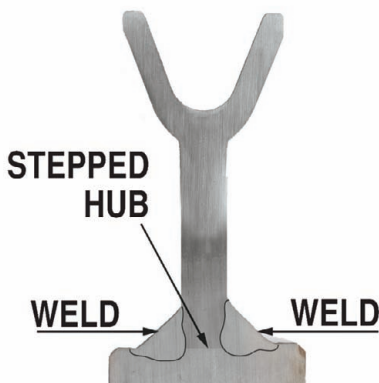
Tulsa, Oklahoma • Phone: (918) 834-4611  
www.thecrosbygroup.com

\* U.S. Patent 7,000,905 and 7,293,763

# McKissick® Roll-Forged™ Sheaves

## 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 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.



Full penetration weld is standard on 40" and larger sheaves.

## 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 it's 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 12 inches to 78 inches, 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.

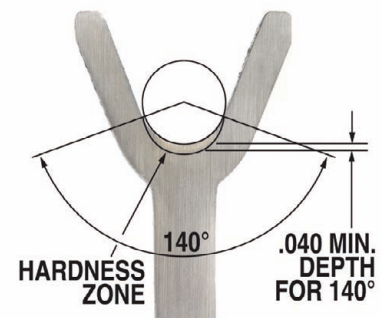


## Solid Steel – No Casting

Every McKissick® Roll-Forged™ 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 too thick or too 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 (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.



## 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 thru hub
- Key ways
- Set screws
- Full Complement Bearing



Licensed Under  
API Spec 8A-0023  
and 8C-0021

Sheaves are available to API 8A and 8C.

# Special Engineered Products



McKissick® 1250 metric ton Swivel and Hangers along with Crosby® 600 metric ton "Wide Body" Shackles lifting 1200 metric ton Bay Bridge Tower.

10,700 lbs.  
McKissick® Riser  
Pull-In Vertical Block



Domed Reinforced  
Roll-Forged™ Sheave



12,200 lbs.  
McKissick® Riser  
Pull-In Fairleader Block

## Custom Products Include:

Custom Machined Hooks • Custom Lead Sheaves

Custom Sheaves • Custom Swivels

Custom Block Configurations

**McKISSICK®**  
Your Total Block Company

**the Crosby® group**

### Crosby U.S.A.

P.O. Box 3128  
Tulsa, OK 74101  
U.S.A.  
Sales Office: (918) 834-4611  
Fax: (918) 832-0940  
crosbygroup@thecrosbygroup.com  
9992195

### Crosby Canada

145 Heart Lake Road  
Brampton, Ontario L6W 3K3  
Canada  
Sales Office: (905) 451-9261  
Fax: (877) 260-5106  
sales@crosby.ca

### Crosby Europe

Industriepark Zone B n°26  
2220 Heist-op-den-Berg  
Belgium  
Sales Office: (+32) (0)15 75 71 25  
Fax: (+32) (0)15 75 37 64  
sales@crosbyeurope.com