



McKISSICK BLOCKS

With Product Warnings and Application Information



McKissick Blocks

DESIGN

The theoretical reserve capability of a snatch block should be at least 4 to 1. Known as the DESIGN FACTOR, it is usually computed by dividing the ultimate load by the working load limit. The ultimate load is the average load or force at which the block fails or no longer supports the load. The working load limit is the maximum mass or force which the product is authorized to support in general service. The design factor is generally expressed as a ratio such as 4 to 1. Also important in the design of snatch blocks is the selection of proper steel used in components and consideration as to fatigue life.

THE COMPETITION

ASK: Are their snatch blocks metric rated?

ASK: What is the metric design factor?

ASK: Are their snatch blocks fatigue rated?

Most do not provide metric ratings with a design factor of 4 to 1, nor fatigue rated snatch blocks.



McKissick and Lebus snatch blocks are dual rated with a design factor of 4 to 1 for metric and 4.5 to 1 in short tons. McKissick and Lebus snatch blocks incorporate the proper selection of steel and are also fatigue rated.



END FITTING CONNECTIONS

Interchangeability of end fittings is important, and should be easily achieved without disassembly of the block. It is also important that end fittings are quenched and tempered in order to reduce the risk of brittle, catastrophic failure.

THE COMPETITION

ASK: Are the end fittings forged, quenched and tempered?

ASK: Are the end fittings inter-changeable?



McKissick and Lebus snatch blocks use genuine Crosby forged, quenched and tempered hooks and shackles..



BLOCK CONSTRUCTION

The block performance depends greatly on the sheave and block construction. All steel construction, including side plates, pins, and sheaves, is desirable. Bronze bushings are recommended for slow line speeds and frequent use. Roller bearings are recommended for faster line speeds and more frequent use at greater loads. The ability to individually lubricate all sheaves is essential. Secondary securement of bolt connecting the end fitting to the block is recommended.

ASK THE COMPETITION

ASK: Are their blocks all steel construction?

ASK: Do their blocks have secondary securement of the pins?

ASK: Are all sheaves individually lubricated?



McKissick and Lebus snatch blocks are of all steel construction. They also have a secondary end fitting securement system. In addition, sheaves are individually lubricated.

FULL LINE IDENTIFICATION

The availability of a full range of snatch blocks is essential to insure that the appropriate block is available for a specific application. All snatch blocks must be identified by type, size of block, size of Wireline to be used, working load limit, and the manufacturer's name boldly marked on the product.

THE COMPETITION

ASK: Do they have a full range of snatch blocks?

ASK: Are their snatch blocks properly marked with critical information?

Most competitors do not have the full range of snatch blocks that Crosby offers.



McKissick and Lebus provide the most complete line of snatch blocks in the industry. All McKissick and Lebus snatch blocks are identified by type, size of block, size of Wireline to be used, working load limit (in both metric and short tons), and the manufacturer's name boldly marked on the product.

STANDARDS ORGANIZATION

All snatch blocks utilized in the oilfield should be manufactured by a source that is both API Q1 and ISO 9001 certified.

THE COMPETITION

ASK: Are they API Q1 certified?

ASK: Are they ISO 9001 certified?

Most competitors are not API Q1 certified or ISO 9001 certified.



Crosby's McKissick plant is API Q1 certified. McKissick is also certified to ISO 9001 standards by Det Norske Veritas (DNV).

APPLICATION INFORMATION

Detailed application information will assist you in the proper selection of snatch blocks. This information is most effective when provided at the point of application, as well as in supporting brochures and engineering information. A formal application and warning system that attracts the attention of the user, clearly informs the user of the factors involved in the task, and informs the user with the proper application procedures is needed.

THE COMPETITION

ASK: Does each snatch block have the application and warning information attached to it?

Most competitors do not have application and warning information with each snatch block.



Crosby provides detailed application and warning information attached to each snatch block.

Remember: "When buying Crosby, you're buying more than product, you're buying Quality."



Snatch Blocks

- **Dual Rated:** To meet the requirements of both short tons and metric tons.
- **Metric Rating:** McKissick® and Lebus® snatch blocks are metric rated to a design factor of 4 to 1. Since they are metric rated, with a world class design, they are applicable to worldwide use without conversion.
- **U.S. Rating:** When compared to other blocks which are rated in short tons, the design factor of McKissick® and Lebus® snatch blocks is 4.5 to 1.
- **Fatigue Properties:** McKissick® and Lebus® snatch blocks are fatigue rated. The blocks are designed to meet specific fatigue performance levels. They meet the requirements for the new Euronorm Standards: 20,000 cycles at 1-1/2 times the Working Load Limit.
- **Latch Kits:** McKissick® and Lebus® snatch blocks, utilizing a hook as an end fitting connection, can be equipped with latches.
- **Application Information:** Application and warning information for tackle block systems is attached directly to each block. In addition, each block has a product warning sticker attached directly to it for the purpose of giving specific warning instructions about the block.
- **Lock Nut:** McKissick® snatch blocks have a special high performance lock nut on the nonmoveable side plate for securing the sheave pin.
- **Sheave and Wireline:** Sheaves for McKissick® and Lebus® snatch blocks have a machine formed groove.
- **Secondary Securement Systems:** McKissick® and Lebus® snatch blocks are designed to incorporate a secondary securement system which retains the end fitting connection bolt when the block is in the closed position. In addition, a patented system retains the end fitting connection bolt when the block is in the open position, thus eliminating the loss of block parts.
- **RFID Equipped:** All snatch blocks with sheave diameters of 4-1/2" and larger are equipped with RFID chips to provide a streamlined and automated approach to the inspection process.

404

TAIL BOARD



418

WITH HOOK



419

WITH SHACKLE



BLOCKS

THE FOLLOWING INFORMATION SHOULD BE SPECIFIED:

1. Stock number (if known)
2. Sheave Size
3. Block Number (Catalog number)
4. Number of Sheaves
5. Type of Bearings: (BB) Bronze Bushed, (RB) Roller, (TB) Tapered Roller
6. Type of Hook or Shackle
7. Wireline Diameter

All crane and some construction blocks are available as shown or with swivel shackle assembly, duplex swivel hook assembly or quadruple hook assembly (as illustrated on page 309). 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.

EXAMPLE:

18" 380 Series, Triple Sheave, Roller Bearing Crane Block with Roller Bearing Swivel Hook, 60 ton, light weight, 1" Wireline diameter.
Model Number M60T18L, Stock Number 2012187

SHEAVES

THE FOLLOWING INFORMATION SHOULD BE SPECIFIED:

1. Stock number (if known)
2. Sheave O.D.
3. Bearing Type or Plain Bore
4. Shaft or Bore Size
5. Hub Width
6. Rim Width
7. Wireline Size
8. Special Machine Features
9. 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.

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Construction and Crane Blocks

SOME OF THE MOST IMPORTANT CONSIDERATIONS IN YOUR BLOCK REQUIREMENTS ARE:



Available Bearing Types



Bronze Bushed-S.A.E.
660 bronze with figure
"8" oil groove



Double Row Sealed
Tapered Roller Bearing



Straight Roller Bearing



Full Complement Cylindrical
Roller Bearing



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

THE SHEAVE

Note the groove form with proper line support and gently rounded lips to prevent line chafing when fleet angles etc. are present.

Note the groove is completely machined to proper line size.

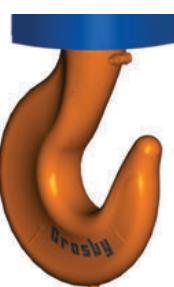
Note the dense martensitic structure clearly outlined by the etch. This flame hardened surface in the wear area of the sheave always presents a smooth, uncorrugated, proper size groove face to the line. Sheaves 14" (356mm) diameter and over are flame hardened in groove to minimum 35 Rockwell C. Smaller sheaves can be flame hardened on special order.

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 tonnes (See page 453).



Duplex swivel hook in standard
capacities to 1,000 tonnes. Larger
sizes available (See page 455).



Quad swivel hook from 200
tonnes and larger.

380 SERIES HOOK BLOCKS

- Wide range of product available.
- Capacity: 5 to 300 Tons - Larger Models Available.
- Sheave Sizes: 10" to 30".
- Wireline Sizes: 7/16" to 1-3/8".
- Manufactured by an ISO 9001 and API Q1 certified facility.
- All single point shank hooks are genuine Crosby[®], forged alloy steel, Quenched and Tempered, and have the patented QUIC-CHECK[®] markings (Duplex hooks are available on all sizes).
- All 380 Blocks are furnished standard with Roller Bearings.
- Reeving Guide Standard – All Models.
- Blocks thru 25 tons use 319N style hooks with S-4320 latches.
- Sheaves lubrication through center pin – separate lube channel to each bearing.

- Sheave fully protected by side plates.
- Dual action hook (swings and rotates).
- Repair parts available through worldwide distribution network.
- Design Factor of 4 to 1 (unless otherwise noted).
- All 380 blocks 16" and larger are furnished with McKissick[®] Roll-Forged sheaves with flame hardened grooves.
- "Look for the Orange Hook . . . the mark of genuine McKissick[®] quality".



OPTIONS AVAILABLE

- Bronze Bushed Sheaves
- Duplex Hooks
- Swivel Tee and Shackle Assemblies
- Sheave Shrouds
- Anti Rotation Hook - Locking Device
- Plate Steel Cheek Weights
- Third party testing with Certification available upon request.

**Dead End Chart
(Double, Triple, & Quad Sheave Blocks*)**

Wireline Size (in.)	Dimensions (in.)		Recommended Wedge Socket	
	T Thickness	U Hole Diameter	McKissick [®] US-422 / US-422T Utility Socket	
			Stock No.	Size
7/16	1.00	1.28	1044309+	US4 7/16
1/2	1.00	1.28	1044318+	US4 1/2
9/16	1.00	1.28	1044336+	US5 9/16
5/8	1.00	1.28	1044345+	US5 5/8
3/4	1.25	1.66	1044363+	US6 3/4
7/8	1.25	1.66	1038580	US7 7/8
1	1.25	1.66	1044417+	US8 1
1-1/8	1.75	2.56	1044426+	US10 1-1/8
1-1/4	1.75	2.56	1044435+	US10 1-1/4

* To find Dead End Dimensions for Single Sheave blocks, refer to block tables on pages 313.

+ US-422T Terminator Style.



The patented McKissick Split-Nut[®] is the standard retention system for standard crane blocks up to 100 Tons.

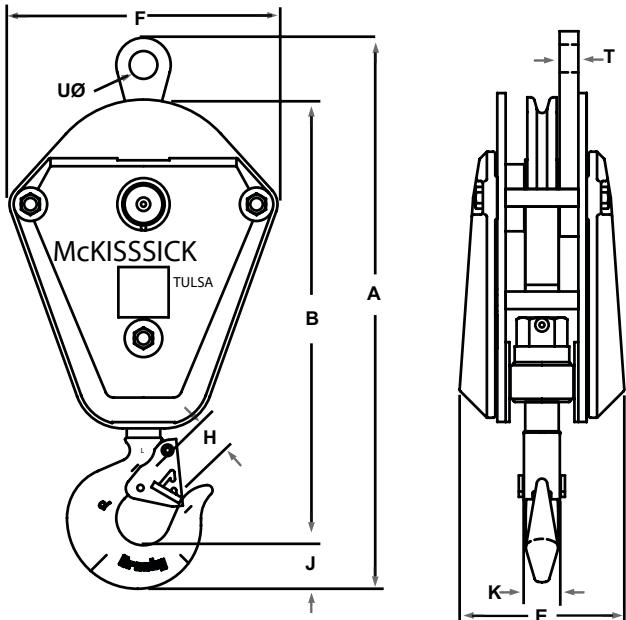
For custom orders contact our Block Hotline at:

(800) 727-1555 or refer to the special request form on page 454.

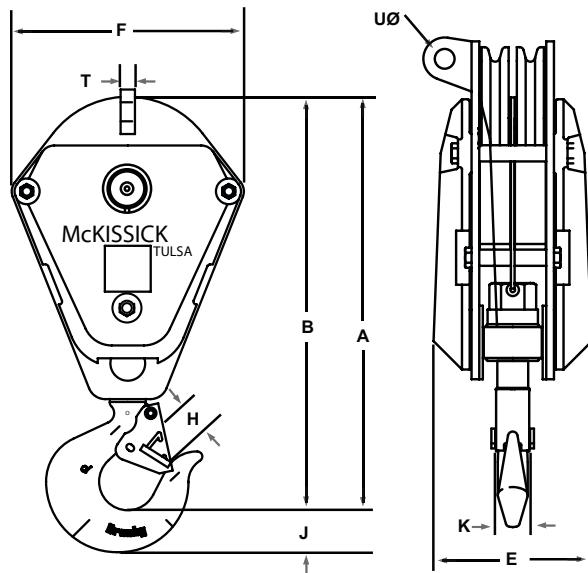
McKissick® Utility Crane Blocks



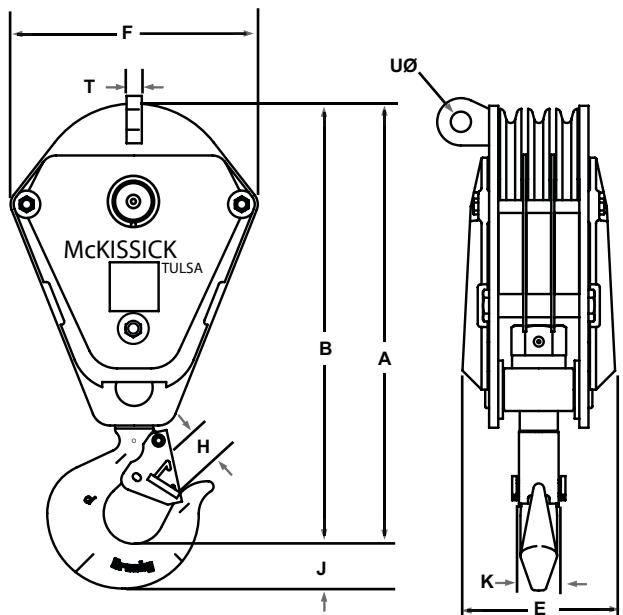
381 – SINGLE



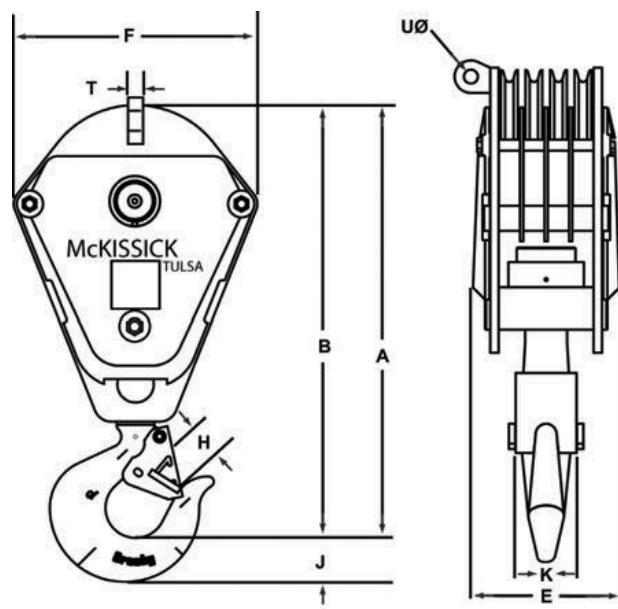
382 – DOUBLE



383 – TRIPLE

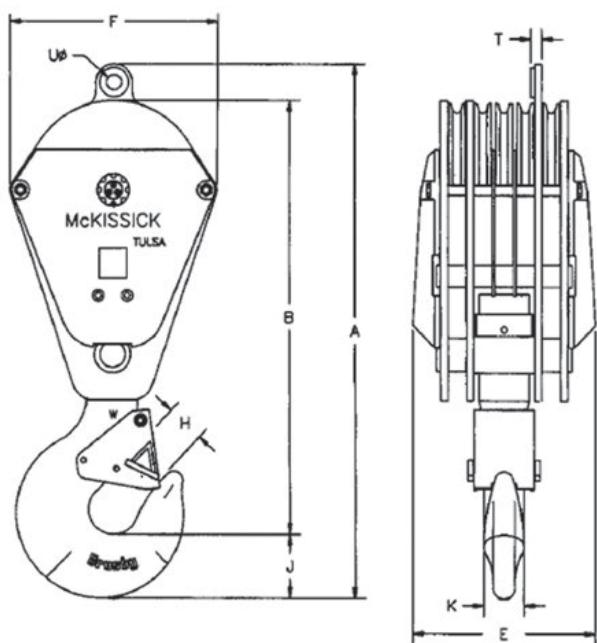


384 – QUAD

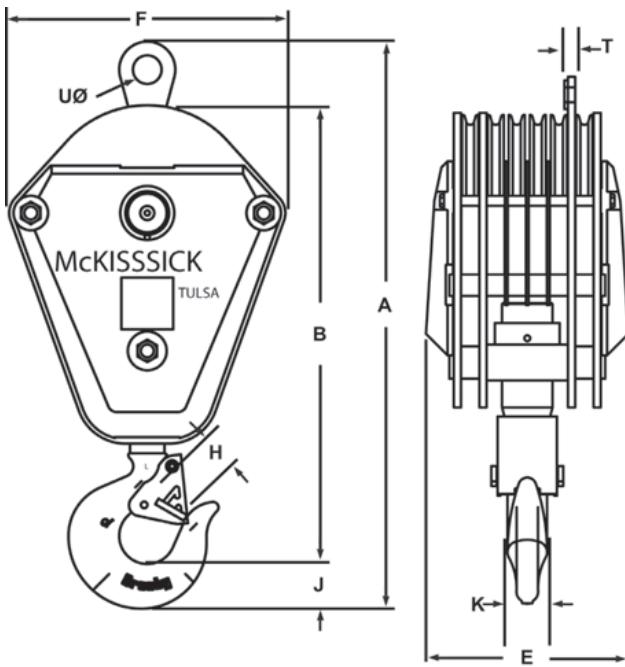


Thickness (E) shown is for blocks containing cheek weights (Light Medium - LM, Medium - M, and Heavy - H).
The Thickness (E) for non weighted blocks (Light - L) is measured over side plates.

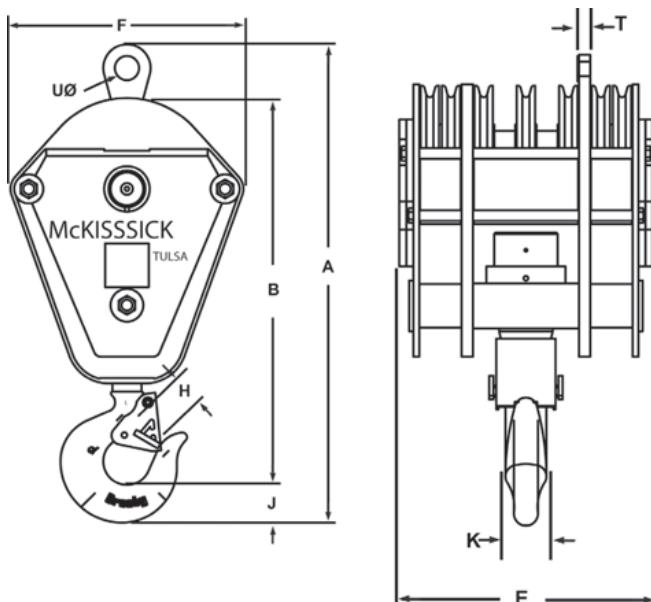
385 – QUINTUPLE



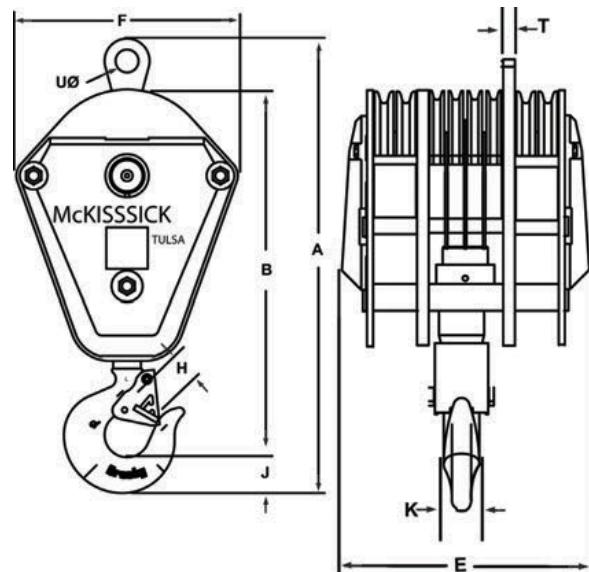
386 – SEXTUPLE



387 – SEPTUPLE



388 – OCTUPLE



Thickness (E) shown is for blocks containing cheek weights (Light Medium - LM, Medium - M, and Heavy - H).

The Thickness (E) for non weighted blocks (Light - L) is measured over side plates.

McKissick® 380 Series Crane Blocks



Key to McKissick® Utility Crane Block Model Numbers

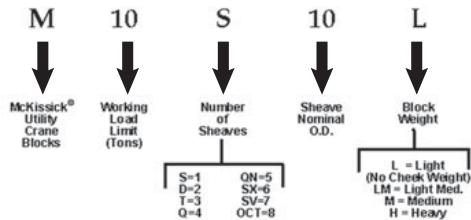


Table 1 - Standard Wireline Sizes For McKissick 380 Utility Crane Blocks												
Sheave Diameter (in.)	Wireline Size (in.)											
	7/16	1/2	9/16	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8		
10												
12												
14												
16												
18												
20												
24												
30												

*For additional Wireline sizes, please call Crosby's Special Engineered Products Group at 1(800) 777-1555.

380 Series Crane Blocks

- Specify Wireline size when ordering. For standard Wireline sizes, see Table 1.
- All sizes are **RFID EQUIPPED**.
- The patented McKissick Split-Nut® is the standard retention system for standard crane blocks up to 100 tons.

Model No.	Inquiry Stock No.	Working Load Limit (Tons) †	A Overall Length (in.)	B Net Length (in.)	E Thickness (in.)	F Width (in.)	H Throat Opening with Flapper (in.)	J Hook Thickness (in.)	K Hook Width (in.)	Standard Wireline Sizes (in.)*	Dead End ‡		Weight Each (lbs.)
											T Thickness (in.)	U Pin Hole (in.)	
5 Tons													
M5S10L	2011004	5	31.03	24.84	5.34	14.00	1.91	2.59	1.94	7/16,1/2,9/16,5/8	1.13	1.41	140
M5S10M	2011013	5	31.03	24.84	8.53	14.00	1.91	2.59	1.94	7/16,1/2,9/16,5/8	1.13	1.41	200
M5S12L	2011022	5	32.88	26.59	5.34	16.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	1.13	1.41	142
M5S12M	2011031	5	32.88	26.59	9.84	16.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	1.13	1.41	270
M5S12H	2011036	5	32.88	26.59	13.84	16.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	1.13	1.41	400
M5D10L	2011037	5	27.44	24.84	5.34	14.00	1.91	2.59	1.94	7/16,1/2,9/16,5/8	-	-	161
M5D10M	2011038	5	27.44	24.84	8.53	14.00	1.91	2.59	1.94	7/16,1/2,9/16,5/8	-	-	223
10 Tons													
M10S10L	2011040	10	31.03	24.84	5.34	14.00	1.91	2.59	1.94	7/16,1/2,9/16,5/8	1.13	1.41	135
M10S10M	2011049	10	31.03	24.84	8.53	14.00	1.91	2.59	1.94	7/16,1/2,9/16,5/8	1.13	1.41	199
M10S12L	2011058	10	32.88	26.59	5.34	14.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	1.13	1.41	145
M10S12M	2011067	10	32.88	26.59	9.84	14.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	1.13	1.41	270
M10S12H	2011071	10	32.88	26.59	13.84	14.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	1.13	1.41	435
M10S14L	2011076	10	35.12	28.84	5.34	18.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	1.13	1.41	181
M10S14LM	2011085	10	35.12	28.84	7.34	18.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	1.13	1.41	275
M10S14M	2011094	10	35.12	28.84	10.28	18.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	1.13	1.41	360
M10S14H	2011097	10	35.12	28.84	14.72	18.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	1.13	1.41	515
M10S16L	2011098	10	37.38	31.09	5.34	20.25	1.91	2.59	1.94	9/16,5/8,3/4,7/8	1.13	1.41	220
M10S16M	2011099	10	37.38	31.09	9.72	20.25	1.91	2.59	1.94	9/16,5/8,3/4,7/8	1.13	1.41	390
M10S16H	2011100	10	37.38	31.09	12.22	20.25	1.91	2.59	1.94	9/16,5/8,3/4,7/8	1.13	1.41	540
M10D10L	2011103	10	27.44	24.84	5.34	14.00	1.91	2.59	1.94	7/16,1/2,9/16,5/8	-	-	161
M10D10M	2011112	10	27.44	24.84	8.53	14.00	1.91	2.59	1.94	7/16,1/2,9/16,5/8	-	-	220
M10D12L	2011121	10	29.19	26.59	5.34	16.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	-	-	185
M10D12M	2011130	10	29.19	26.59	9.84	16.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	-	-	295
M10D12H	2011135	10	29.19	26.59	13.84	16.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	-	-	450
M10D14L	2011136	10	31.44	28.44	5.34	18.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	-	-	210
M10D14LM	2011141	10	31.44	28.44	7.34	18.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	-	-	310
M10D14M	2011137	10	31.44	28.44	10.28	18.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	-	-	397
M10D14H	2011138	10	31.44	28.44	14.72	18.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	-	-	560
M10T10L	2011139	10	27.56	24.97	7.69	14.00	1.91	2.59	1.94	7/16,1/2,9/16,5/8	-	-	201
M10T10M	2011140	10	27.56	24.97	11.09	14.00	1.91	2.59	1.94	7/16,1/2,9/16,5/8	-	-	265
15 Tons													
M15S10L	2011148	15	31.03	24.84	5.34	14.00	1.91	2.59	1.94	7/16,1/2,9/16,5/8	1.38	1.66	137
M15S10M	2011157	15	31.03	24.84	8.53	14.00	1.91	2.59	1.94	7/16,1/2,9/16,5/8	1.38	1.66	200
M15S12L	2011166	15	32.88	26.59	5.34	16.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	1.38	1.66	145
M15S12M	2011175	15	32.88	26.59	9.84	16.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	1.38	1.66	295
M15S12H	2011179	15	32.88	26.59	13.84	16.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	1.38	1.66	435
M15S14L	2011184	15	35.12	28.84	5.34	18.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	1.38	1.66	190
M15S14LM	2011185	15	35.12	28.84	7.34	18.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	1.38	1.66	290
M15S14M	2011193	15	35.12	28.84	10.28	18.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	1.38	1.66	370
M15S14H	2011198	15	35.12	28.84	14.72	18.00	1.91	2.59	1.94	1/2,9/16,5/8,3/4	1.38	1.66	545
M15S16L	2011202	15	37.38	31.09	5.34	20.25	1.91	2.59	1.94	9/16,5/8,3/4,7/8	1.38	1.66	240
M15S16M	2011211	15	37.38	31.09	9.72	20.25	1.91	2.59	1.94	9/16,5/8,3/4,7/8	1.38	1.66	390
M15S16H	2011215	15	37.38	31.09	12.22	20.25	1.91	2.59	1.94	9/16,5/8,3/4,7/8	1.38	1.66	540
M15D10L	2011220	15	27.43	24.84	5.34	14.00	1.91	2.59	1.94	7/16,1/2,9/16,5/8	—	—	161
M15D10M	2011229	15	27.43	24.84	8.53	14.00	1.91	2.59	1.94	7/16,1/2,9/16,5/8	—	—	220

MCKISSICK BLOCKS®

380 Series Crane Blocks

Model No.	Inquiry Stock No.	Working Load Limit (Tons) †	A Overall Length (in.)	B Net Length (in.)	E Thickness (in.)	F Width (in.)	H Throat Opening with Flapper (in.)	J Hook Thickness (in.)	K Hook Width (in.)	Standard Wireline Sizes (in.)*	Dead End ‡		Weight Each (lbs.)
											T Thickness (in.)	U Pin Hole (in.)	
M165SX24M	2013387	165	77.25	62.88	29.78	28.75	4.50	9.12	6.00	7/8, 1, 1-1/8, 1-1/4	1.75	2.53	3957
M165SX24H	2013391	165	77.25	62.88	33.78	28.75	4.50	9.12	6.00	7/8, 1, 1-1/8, 1-1/4	1.75	2.53	4437
200 Tons													
M200QN24L	2013395	200	82.75	67.75	24.00	28.75	5.00	9.75	7.00	7/8, 1, 1-1/8, 1-1/4	1.75	2.53	4600
M200QN24M	2013399	200	82.75	67.75	31.75	28.75	5.00	9.75	7.00	7/8, 1, 1-1/8, 1-1/4	1.75	2.53	5377
M200QN24H	2013403	200	82.75	67.75	35.75	28.75	5.00	9.75	7.00	7/8, 1, 1-1/8, 1-1/4	1.75	2.53	5840
M200QN30L	2013396	200	88.75	73.75	24.00	34.75	5.00	9.75	7.00	1, 1-1/8, 1-1/4, 1-3/8	1.75	2.53	5243
M200QN30M	2013400	200	88.75	73.75	26.50	34.75	5.00	9.75	7.00	1, 1-1/8, 1-1/4, 1-3/8	1.75	2.53	6142
M200QN30H	2013404	200	88.75	73.75	28.00	34.75	5.00	9.75	7.00	1, 1-1/8, 1-1/4, 1-3/8	1.75	2.53	6722
M200SX24L	2013407	200	82.75	67.75	24.00	28.75	5.00	9.75	7.00	7/8, 1, 1-1/8, 1-1/4	1.75	2.53	4377
M200SX24M	2013411	200	82.75	67.75	31.75	28.75	5.00	9.75	7.00	7/8, 1, 1-1/8, 1-1/4	1.75	2.53	5015
M200SX24H	2013415	200	82.75	67.75	35.75	28.75	5.00	9.75	7.00	7/8, 1, 1-1/8, 1-1/4	1.75	2.53	5492
M200SX30L	2013419	200	88.75	73.75	24.00	34.75	5.00	9.75	7.00	1, 1-1/8, 1-1/4, 1-3/8	1.75	2.53	5600
M200SX30M	2013423	200	88.75	73.75	26.50	34.75	5.00	9.75	7.00	1, 1-1/8, 1-1/4, 1-3/8	1.75	2.53	7070
M200SX30H	2013427	200	88.75	73.75	28.00	34.75	5.00	9.75	7.00	1, 1-1/8, 1-1/4, 1-3/8	1.75	2.53	7214
225 Tons													
M225QN24L	2013420	225	82.75	67.75	24.00	28.75	6.25	10.62	7.25	7/8, 1, 1-1/8, 1-1/4	1.75	2.53	4672
M225QN24M	2013424	225	82.75	67.75	31.75	28.75	6.25	10.62	7.25	7/8, 1, 1-1/8, 1-1/4	1.75	2.53	5377
M225QN24H	2013428	225	82.75	67.75	35.75	28.75	6.25	10.62	7.25	7/8, 1, 1-1/8, 1-1/4	1.75	2.53	5840
M225QN30L	2013421	225	88.75	73.75	24.00	34.75	6.25	10.62	7.25	1, 1-1/8, 1-1/4, 1-3/8	1.75	2.53	5243
M225QN30M	2013425	225	88.75	73.75	26.50	34.75	6.25	10.62	7.25	1, 1-1/8, 1-1/4, 1-3/8	1.75	2.53	6142
M225QN30H	2013429	225	88.75	73.75	28.00	34.75	6.25	10.62	7.25	1, 1-1/8, 1-1/4, 1-3/8	1.75	2.53	6722
M225SX24L	2013422	225	82.75	67.75	24.00	28.75	6.25	10.62	7.25	7/8, 1, 1-1/8, 1-1/4	1.75	2.53	4377
M225SX24M	2013426	225	82.75	67.75	31.75	28.75	6.25	10.62	7.25	7/8, 1, 1-1/8, 1-1/4	1.75	2.53	5010
M225SX24H	2013430	225	82.75	67.75	35.75	28.75	6.25	10.62	7.25	7/8, 1, 1-1/8, 1-1/4	1.75	2.53	5492
M225SX30L	2013432	225	88.75	73.75	24.00	34.75	6.25	10.62	7.25	1, 1-1/8, 1-1/4, 1-3/8	1.75	2.53	5734
M225SX30M	2013436	225	88.75	73.75	26.50	34.75	6.25	10.62	7.25	1, 1-1/8, 1-1/4, 1-3/8	1.75	2.53	6634
M225SX30H	2013440	225	88.75	73.75	28.00	34.75	6.25	10.62	7.25	1, 1-1/8, 1-1/4, 1-3/8	1.75	2.53	7214
250 Tons													
M250SX30L	2013431	250	93.25	77.38	28.50	36.50	6.25	10.62	7.25	1, 1-1/8, 1-1/4, 1-3/8	2.25	2.53	7274
M250SX30M	2013435	250	93.25	77.38	32.50	36.50	6.25	10.62	7.25	1, 1-1/8, 1-1/4, 1-3/8	2.25	2.53	8154
M250SX30H	2013439	250	93.25	77.38	34.50	36.50	6.25	10.62	7.25	1, 1-1/8, 1-1/4, 1-3/8	2.25	2.53	8724
M250SV24L	2013443	250	87.25	71.38	36.00	28.75	6.25	10.62	7.25	7/8, 1, 1-1/8, 1-1/4	2.25	2.53	6459
M250SV24M	2013447	250	87.25	71.38	43.75	28.75	6.25	10.62	7.25	7/8, 1, 1-1/8, 1-1/4	2.25	2.53	7163
M250SV24H	2013451	250	87.25	71.38	47.75	28.75	6.25	10.62	7.25	7/8, 1, 1-1/8, 1-1/4	2.25	2.53	7628
275 Tons													
M275SX30L	2013456	275	93.25	77.38	28.50	36.50	6.25	10.62	7.25	1, 1-1/8, 1-1/4, 1-3/8	2.25	2.53	7274
M275SX30M	2013460	275	93.25	77.38	32.50	36.50	6.25	10.62	7.25	1, 1-1/8, 1-1/4, 1-3/8	2.25	2.53	8154
M275SX30H	2013464	275	93.25	77.38	34.50	36.50	6.25	10.62	7.25	1, 1-1/8, 1-1/4, 1-3/8	2.25	2.53	8724
M275SV24L	2013457	275	87.25	71.38	36.00	28.75	6.25	10.62	7.25	7/8, 1, 1-1/8, 1-1/4	2.25	2.53	6459
M275SV24M	2013461	275	87.25	71.38	43.75	28.75	6.25	10.62	7.25	7/8, 1, 1-1/8, 1-1/4	2.25	2.53	7163
M275SV24H	2013465	275	87.25	71.38	47.75	28.75	6.25	10.62	7.25	7/8, 1, 1-1/8, 1-1/4	2.25	2.53	7628
300 Tons													
M300SX30L	2013479	300	93.25	77.38	28.50	36.50	6.25	10.62	7.25	1, 1-1/8, 1-1/4, 1-3/8	2.25	2.53	7274
M300SX30M	2013483	300	93.25	77.38	32.50	36.50	6.25	10.62	7.25	1, 1-1/8, 1-1/4, 1-3/8	2.25	2.53	8154
M300SX30H	2013487	300	93.25	77.38	34.50	36.50	6.25	10.62	7.25	1, 1-1/8, 1-1/4, 1-3/8	2.25	2.53	8724
M300SV24L	2013491	300	87.25	71.38	36.00	28.75	6.25	10.62	7.25	7/8, 1, 1-1/8, 1-1/4	2.25	2.53	6459
M300SV24M	2013495	300	87.25	71.38	43.75	28.75	6.25	10.62	7.25	7/8, 1, 1-1/8, 1-1/4	2.25	2.53	7163
M300SV24H	2013499	300	87.25	71.38	47.75	28.75	6.25	10.62	7.25	7/8, 1, 1-1/8, 1-1/4	2.25	2.53	7628
M300OCT30L	2013527	300	93.25	77.38	36.00	36.50	6.25	10.62	7.25	1, 1-1/8, 1-1/4, 1-3/8	2.25	2.53	10145
	2013531	300	93.25	77.38	38.00	36.50	6.25	10.62	7.25	1, 1-1/8, 1-1/4, 1-3/8	2.25	2.53	10887
	2013535	300	93.25	77.38	39.00	36.50	6.25	10.62	7.25	1, 1-1/8, 1-1/4, 1-3/8	2.25	2.53	11592

* Additional Wireline sizes available upon request.

† Ultimate Load is 4 times the Working Load Limit unless otherwise noted.

‡ Dead End dimensions for 2, 3, & 4 sheave blocks are shown on page 310.



380 SERIES EASY REEVE® HOOK BLOCKS

- Wide range of products available.
 - Capacity: 5 to 80 Tons - Larger Models Available.
 - Sheave Sizes: 10" to 20".
 - Wireline Sizes: 7/16" to 1-1/4".
- All single point shank hooks are genuine Crosby®, forged alloy steel, Quenched and Tempered, and have the patented **QUIC-CHECK®** markings (Duplex hooks are available on most sizes).
- Design factor of 4 to 1 (unless otherwise noted).
- All Easy Reeve® Blocks are furnished standard with Roller Bearings.
- Reeling Guides Standard – All Models.
- Blocks thru 25 Tons use 319N hooks with S-4320 latches.
- Heavy Duty Positive Locking (PL) Latch – Models: 30 Tons and larger.
- Sheave lubrication through center pin - separate lube channel to each bearing.
- Sheaves fully protected by side plates.
- Dual action hook (swings and rotates).
- Repair parts available through worldwide distribution network.
- All Easy Reeve® blocks 16" and larger are furnished with McKissick® Roll-Forged sheaves with flame hardened grooves.
- Manufactured by an ISO 9001 and API Q1 certified facility.
- "Look for the Orange Hook . . . the mark of genuine McKissick® quality".



OPTIONS AVAILABLE

- Duplex Hooks
- Swivel Tee and Shackle Assemblies
- Sheave Shrouds
- Anti-Rotation Hook-Locking Device
- Plate Steel Cheek Weights
- Third party testing with Certification available upon request.

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

Sheave Guards that open to allow block reeling without removing the rope end fitting.



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

The patented McKissick Split-Nut® is the standard retention system for standard crane blocks up to 100 Tons.

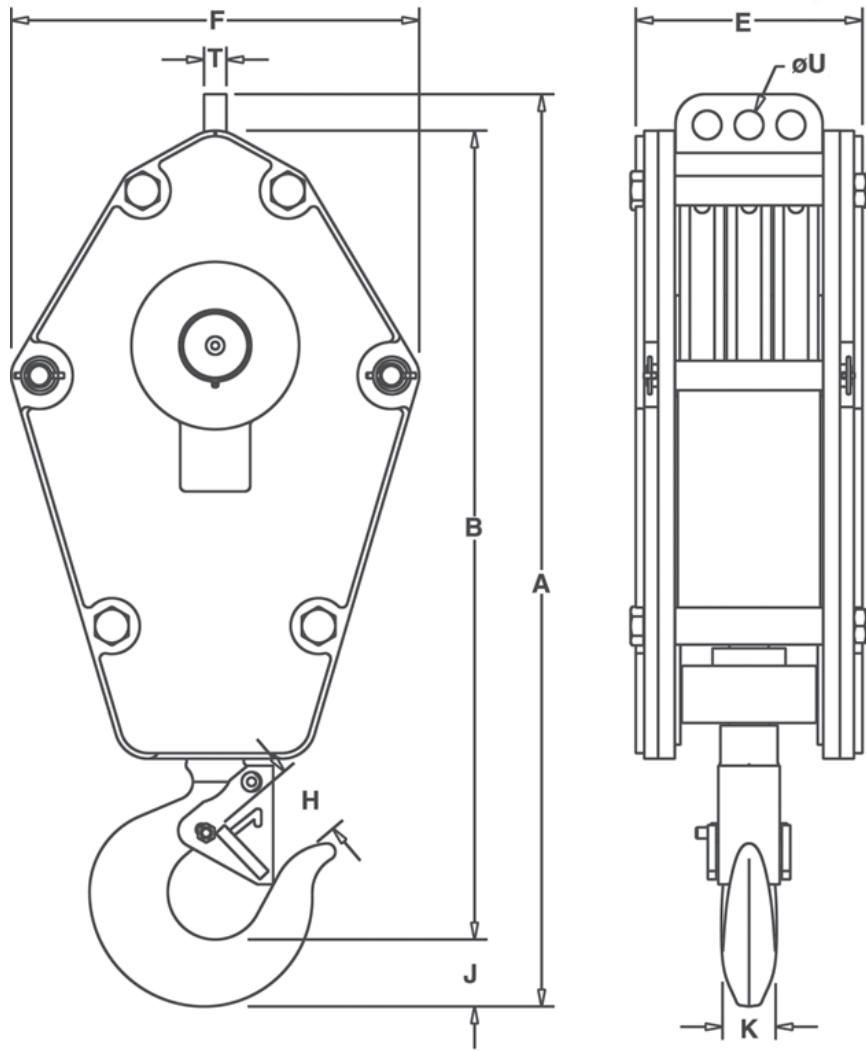
For custom orders contact our Block Hotline at: (800) 727-1555, or reference the special request form on page 454.



Flat Bottom side plate for self standing during reeling process.



The patented McKissick Split-Nut® is the standard retention system for standard crane blocks up to 100 Tons.



Dead End Chart
Double, Triple & Quad Sheave Blocks

Wireline Size (in.)	Dimensions (in.)		Recommended Wedge Socket	
	T Thickness	U Hole Diameter	McKissick® US-422 / US-422T Utility Socket	
			Stock No.	Size
7/16	1.00	1.28	1044309+	US4 7/16
1/2	1.00	1.28	1044318+	US4 1/2
9/16	1.00	1.28	1044336+	US5 9/16
5/8	1.00	1.28	1044345+	US5 5/8
3/4	1.25	1.66	1044363+	US6 3/4
7/8	1.25	1.66	1038580	US7 7/8
1	1.25	1.66	1044417+	US8 1
1-1/8	1.75	2.56	1044426+	US10 1-1/8
1-1/4	1.75	2.56	1044435+	US10 1-1/4

+ US-422T TERMINATOR™ Style.

McKissick® Easy Reeve® Crane Blocks



McKissick® Easy Reeve® Crane Blocks

- Specify Wireline size when ordering.
- Dead End Dimensions on page 326 of this catalog.
- All sizes are **RFID EQUIPPED**.

Model No.	Inquiry Stock No.	Working Load Limit (Tons)*	A Overall Length (in.)	B Net Length (in.)	E Block Thickness (in.)	F Block Width (in.)	H Throat Opening with Latch (in.)	J Hook Thickness (in.)	K Hook Width (in.)	Standard Wireline Size (in.)	Weight Each (lbs.) †
5 Tons											
E5S10L	2014001	5	35.78	31.06	6.84	14.50	1.91	2.59	1.94	7/16 1/2 9/16 5/8	236
E5S10M	2014003	5	35.78	31.06	8.84	14.50	1.91	2.59	1.94	7/16 1/2 9/16 5/8	342
E5S10H	2014004	5	35.78	31.06	10.34	14.50	1.91	2.59	1.94	7/16 1/2 9/16 5/8	424
10 Tons											
E10S10L	2014011	10	35.78	31.06	6.84	14.50	1.91	2.59	1.94	7/16 1/2 9/16 5/8	236
E10S10M	2014013	10	35.78	31.06	8.84	14.50	1.91	2.59	1.94	7/16 1/2 9/16 5/8	342
E10S10H	2014014	10	35.78	31.06	10.34	14.50	1.91	2.59	1.94	7/16 1/2 9/16 5/8	424
E10S14L	2014021	10	39.40	34.69	6.84	18.25	1.91	2.59	1.94	1/2 9/16 5/8 3/4	276
E10S14M	2014023	10	39.40	34.69	8.84	18.25	1.91	2.59	1.94	1/2 9/16 5/8 3/4	427
E10S14H	2014024	10	39.40	34.69	10.34	18.25	1.91	2.59	1.94	1/2 9/16 5/8 3/4	542
E10S16L	2014031	10	43.15	38.44	6.84	20.50	1.91	2.59	1.94	9/16 5/8 3/4 7/8	329
E10S16M	2014033	10	43.15	38.44	8.84	20.50	1.91	2.59	1.94	9/16 5/8 3/4 7/8	527
E10S16H	2014034	10	43.15	38.44	10.34	20.50	1.91	2.59	1.94	9/16 5/8 3/4 7/8	678
E10D10L	2014041	10	35.78	31.06	6.84	14.50	1.91	2.59	1.94	7/16 1/2 9/16 5/8	268
E10D10M	2014043	10	35.78	31.06	8.84	14.50	1.91	2.59	1.94	7/16 1/2 9/16 5/8	374
E10D10H	2014044	10	35.78	31.06	10.34	14.50	1.91	2.59	1.94	7/16 1/2 9/16 5/8	450
E10D12L	2014051	10	37.28	32.56	6.84	16.50	1.91	2.59	1.94	1/2 9/16 5/8 3/4	278
E10D12M	2014053	10	37.28	32.56	8.84	16.50	1.91	2.59	1.94	1/2 9/16 5/8 3/4	402
E10D12H	2014054	10	37.28	32.56	10.34	16.50	1.91	2.59	1.94	1/2 9/16 5/8 3/4	497
E10T10L	2014061	10	35.78	31.06	8.14	14.50	1.91	2.59	1.94	7/16 1/2 9/16 5/8	318
E10T10M	2014063	10	35.78	31.06	10.14	14.50	1.91	2.59	1.94	7/16 1/2 9/16 5/8	424
E10T10H	2014064	10	35.78	31.06	11.64	14.50	1.91	2.59	1.94	7/16 1/2 9/16 5/8	506
E10T12L	2014071	10	37.28	32.56	8.14	16.50	1.91	2.59	1.94	1/2 9/16 5/8 3/4	323
E10T12M	2014073	10	37.28	32.56	10.14	16.50	1.91	2.59	1.94	1/2 9/16 5/8 3/4	446
E10T12H	2014074	10	37.28	32.56	11.64	16.50	1.91	2.59	1.94	1/2 9/16 5/8 3/4	541
E10Q14L	2014081	10	39.40	34.69	10.38	18.25	1.91	2.59	1.94	1/2 9/16 5/8 3/4	427
E10Q14M	2014083	10	39.40	34.69	12.38	18.25	1.91	2.59	1.94	1/2 9/16 5/8 3/4	588
E10Q14H	2014084	10	39.40	34.69	13.88	18.25	1.91	2.59	1.94	1/2 9/16 5/8 3/4	703
15 Tons											
E15S10L	2014091	15	35.78	31.06	6.84	14.50	1.91	2.59	1.94	7/16 1/2 9/16 5/8	236
E15S10M	2014093	15	35.78	31.06	8.84	14.50	1.91	2.59	1.94	7/16 1/2 9/16 5/8	342
E15S10H	2014094	15	35.78	31.06	10.34	14.50	1.91	2.59	1.94	7/16 1/2 9/16 5/8	424
E15S12L	2014101	15	37.28	32.56	6.84	16.50	1.91	2.59	1.94	1/2 9/16 5/8 3/4	251
E15S12M	2014103	15	37.28	32.56	8.84	16.50	1.91	2.59	1.94	1/2 9/16 5/8 3/4	375
E15S12H	2014104	15	37.28	32.56	10.34	16.50	1.91	2.59	1.94	1/2 9/16 5/8 3/4	470
E15S14L	2014111	15	39.40	34.69	6.84	18.25	1.91	2.59	1.94	1/2 9/16 5/8 3/4	276
E15S14M	2014113	15	39.40	34.69	8.84	18.25	1.91	2.59	1.94	1/2 9/16 5/8 3/4	427
E15S14H	2014114	15	39.40	34.69	10.34	18.25	1.91	2.59	1.94	1/2 9/16 5/8 3/4	542
E15S16L	2014121	15	43.15	38.44	6.84	20.50	1.91	2.59	1.94	9/16 5/8 3/4 7/8	329
E15S16M	2014123	15	43.15	38.44	8.84	20.50	1.91	2.59	1.94	9/16 5/8 3/4 7/8	527
E15S16H	2014124	15	43.15	38.44	10.34	20.50	1.91	2.59	1.94	9/16 5/8 3/4 7/8	678
E15D10L	2014131	15	35.78	31.06	6.84	14.50	1.91	2.59	1.94	7/16 1/2 9/16 5/8	268
E15D10M	2014133	15	35.78	31.06	8.84	14.50	1.91	2.59	1.94	7/16 1/2 9/16 5/8	374
E15D10H	2014134	15	35.78	31.06	10.34	14.50	1.91	2.59	1.94	7/16 1/2 9/16 5/8	456
E15D12L	2014141	15	37.28	32.56	6.84	16.50	1.91	2.59	1.94	1/2 9/16 5/8 3/4	278
E15D12M	2014143	15	37.28	32.56	8.84	16.50	1.91	2.59	1.94	1/2 9/16 5/8 3/4	402
E15D12H	2014144	15	37.28	32.56	10.34	16.50	1.91	2.59	1.94	1/2 9/16 5/8 3/4	497
E15T10L	2014151	15	35.78	31.06	8.14	14.50	1.91	2.59	1.94	7/16 1/2 9/16 5/8	318
E15T10M	2014153	15	35.78	31.06	10.14	14.50	1.91	2.59	1.94	7/16 1/2 9/16 5/8	424
E15T10H	2014154	15	35.78	31.06	11.64	14.50	1.91	2.59	1.94	7/16 1/2 9/16 5/8	506
E15T12L	2014161	15	37.28	32.56	8.14	16.50	1.91	2.59	1.94	1/2 9/16 5/8 3/4	323
E15T12M	2014163	15	37.28	32.56	10.14	16.50	1.91	2.59	1.94	1/2 9/16 5/8 3/4	446
E15T12H	2014164	15	37.28	32.56	11.64	16.50	1.91	2.59	1.94	1/2 9/16 5/8 3/4	541
E15Q14L	2014171	15	39.40	34.69	10.38	18.25	1.91	2.59	1.94	1/2 9/16 5/8 3/4	427
E15Q14M	2014173	15	39.40	34.69	12.38	18.25	1.91	2.59	1.94	1/2 9/16 5/8 3/4	588
E15Q14H	2014174	15	39.40	34.69	13.88	18.25	1.91	2.59	1.94	1/2 9/16 5/8 3/4	703
20 Tons											
E20S10L	2014181	20	37.69	32.59	6.84	14.50	2.75	2.97	2.38	7/16 1/2 9/16 5/8	249
E20S10M	2014182	20	37.69	32.59	8.84	14.50	2.75	2.97	2.38	7/16 1/2 9/16 5/8	355
E20S10H	2014184	20	37.69	32.59	10.34	14.50	2.75	2.97	2.38	7/16 1/2 9/16 5/8	436
E20S14L	2014191	20	41.31	36.22	6.84	18.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	293

McKissick® Easy Reeve® Crane Blocks

Model No.	Inquiry Stock No.	Working Load Limit (Tons)*	A Overall Length (in.)	B Net Length (in.)	E Block Thickness (in.)	F Block Width (in.)	H Throat Opening with Latch (in.)	J Hook Thickness (in.)	K Hook Width (in.)	Standard Wireline Size (in.)	Weight Each (lbs.) †
E20S14M	2014193	20	41.31	36.22	8.84	18.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	443
E20S14H	2014194	20	41.31	36.22	10.34	18.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	559
E20S18L	2014201	20	47.06	41.97	6.84	22.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	391
E20S18M	2014203	20	47.06	41.97	9.09	22.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	654
E20S18H	2014204	20	47.06	41.97	10.59	22.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	833
E20D12L	2014211	20	39.19	34.09	6.84	16.50	2.75	2.97	2.38	1/2 9/16 5/8 3/4	291
E20D12M	2014213	20	39.19	34.09	8.84	16.50	2.75	2.97	2.38	1/2 9/16 5/8 3/4	414
E20D12H	2014214	20	39.19	34.09	10.34	16.50	2.75	2.97	2.38	1/2 9/16 5/8 3/4	509
E20D14L	2014221	20	41.31	36.22	6.84	18.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	326
E20D14M	2014223	20	41.31	36.22	8.84	18.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	477
E20D14H	2014224	20	41.31	36.22	10.34	18.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	592
E20T12L	2014231	20	39.19	34.09	8.14	16.50	2.75	2.97	2.38	1/2 9/16 5/8 3/4	334
E20T12M	2014233	20	39.19	34.09	10.14	16.50	2.75	2.97	2.38	1/2 9/16 5/8 3/4	458
E20T12H	2014234	20	39.19	34.09	11.64	16.50	2.75	2.97	2.38	1/2 9/16 5/8 3/4	553
E20T14L	2014241	20	41.31	36.22	8.14	18.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	377
E20T14M	2014243	20	41.31	36.22	10.14	18.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	527
E20T14H	2014244	20	41.31	36.22	11.64	18.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	643
E20Q12L	2014251	20	39.19	34.09	10.38	16.50	2.75	2.97	2.38	1/2 9/16 5/8 3/4	401
E20Q12M	2014253	20	39.19	34.09	12.38	16.50	2.75	2.97	2.38	1/2 9/16 5/8 3/4	525
E20Q12H	2014254	20	39.19	34.09	13.88	16.50	2.75	2.97	2.38	1/2 9/16 5/8 3/4	618
E20Q14L	2014261	20	41.31	36.22	10.38	18.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	450
E20Q14M	2014263	20	41.31	36.22	12.38	18.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	601
E20Q14H	2014264	20	41.31	36.22	13.88	18.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	715
25 Tons											
E25S16L	2014271	25	45.06	39.97	6.84	20.50	2.75	2.97	2.38	9/16 5/8 3/4 7/8	342
E25S16M	2014273	25	45.06	39.97	8.84	20.50	2.75	2.97	2.38	9/16 5/8 3/4 7/8	539
E25S16H	2014274	25	45.06	39.97	10.34	20.50	2.75	2.97	2.38	9/16 5/8 3/4 7/8	691
E25S18L	2014281	25	47.06	41.97	6.84	22.25	2.75	2.97	2.38	5/8 3/4 7/8 1	391
E25S18M	2014283	25	47.06	41.97	9.09	22.25	2.75	2.97	2.38	5/8 3/4 7/8 1	653
E25S18H	2014284	25	47.06	41.97	10.59	22.25	2.75	2.97	2.38	5/8 3/4 7/8 1	833
E25D12L	2014291	25	39.19	34.09	6.84	16.50	2.75	2.97	2.38	1/2 9/16 5/8 3/4	291
E25D12M	2014293	25	39.19	34.09	8.84	16.50	2.75	2.97	2.38	1/2 9/16 5/8 3/4	414
E25D12H	2014294	25	39.19	34.09	10.34	16.50	2.75	2.97	2.38	1/2 9/16 5/8 3/4	509
E25D14L	2014301	25	41.31	36.22	6.84	18.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	326
E25D14M	2014303	25	41.31	36.22	8.84	18.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	477
E25D14H	2014304	25	41.31	36.22	10.34	18.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	592
E25T12L	2014311	25	39.19	34.09	8.14	16.50	2.75	2.97	2.38	1/2 9/16 5/8 3/4	334
E25T12M	2014313	25	39.19	34.09	10.14	16.50	2.75	2.97	2.38	1/2 9/16 5/8 3/4	458
E25T12H	2014314	25	39.19	34.09	11.64	16.50	2.75	2.97	2.38	1/2 9/16 5/8 3/4	553
E25T14L	2014321	25	41.31	36.22	8.14	18.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	369
E25T14M	2014323	25	41.31	36.22	10.14	18.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	527
E25T14H	2014324	25	41.31	36.22	11.64	18.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	643
E25Q12L	2014331	25	39.19	34.09	10.38	16.50	2.75	2.97	2.38	1/2 9/16 5/8 3/4	401
E25Q12M	2014333	25	39.19	34.09	12.38	16.50	2.75	2.97	2.38	1/2 9/16 5/8 3/4	525
E25Q12H	2014334	25	39.19	34.09	13.88	16.50	2.75	2.97	2.38	1/2 9/16 5/8 3/4	618
E25Q14L	2014341	25	41.31	36.22	10.38	18.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	450
E25Q14M	2014343	25	41.31	36.22	12.38	18.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	601
E25Q14H	2014344	25	41.31	36.22	13.88	18.25	2.75	2.97	2.38	1/2 9/16 5/8 3/4	715
30 Tons											
E30S18L	2014351	30	51.56	46.19	6.84	22.25	3.25	3.62	3.00	5/8 3/4 7/8 1	456
E30S18M	2014353	30	51.56	46.19	9.09	22.25	3.25	3.62	3.00	5/8 3/4 7/8 1	718
E30S18H	2014354	30	51.56	46.19	10.59	22.25	3.25	3.62	3.00	5/8 3/4 7/8 1	898
E30S20L	2014356	30	55.06	46.19	6.84	24.50	3.25	3.62	3.00	3/4 7/8 1, 1-1/8	557
E30S20M	2014358	30	55.06	46.19	8.84	24.50	3.25	3.62	3.00	3/4 7/8 1, 1-1/8	867
E30S20H	2014359	30	55.06	46.19	10.34	24.50	3.25	3.62	3.00	3/4 7/8 1, 1-1/8	1103
E30D14L	2014361	30	43.81	38.44	6.84	18.25	3.25	3.62	3.00	1/2 9/16 5/8 3/4	377
E30D14M	2014363	30	43.81	38.44	8.84	18.25	3.25	3.62	3.00	1/2 9/16 5/8 3/4	528
E30D14H	2014364	30	43.81	38.44	10.34	18.25	3.25	3.62	3.00	1/2 9/16 5/8 3/4	643
E30D18L	2014371	30	51.56	46.19	6.84	22.25	3.25	3.62	3.00	5/8 3/4 7/8 1	516
E30D18M	2014373	30	51.56	46.19	9.09	22.25	3.25	3.62	3.00	5/8 3/4 7/8 1	779
E30D18H	2014374	30	51.56	46.19	10.59	22.25	3.25	3.62	3.00	5/8 3/4 7/8 1	959
E30T14L	2014381	30	45.81	40.44	8.14	18.25	3.25	3.62	3.00	1/2 9/16 5/8 3/4	437
E30T14M	2014383	30	45.81	40.44	10.14	18.25	3.25	3.62	3.00	1/2 9/16 5/8 3/4	587
E30T14H	2014384	30	45.81	40.44	11.64	18.25	3.25	3.62	3.00	1/2 9/16 5/8 3/4	703
E30T16L	2014391	30	49.56	44.19	8.14	20.50	3.25	3.62	3.00	9/16 5/8 3/4 7/8	505
E30T16M	2014393	30	49.56	44.19	10.14	20.50	3.25	3.62	3.00	9/16 5/8 3/4 7/8	703
E30T16H	2014394	30	49.56	44.19	11.64	20.50	3.25	3.62	3.00	9/16 5/8 3/4 7/8	854
E30Q14L	2014401	30	45.81	40.44	10.38	18.25	3.25	3.62	3.00	1/2 9/16 5/8 3/4	503
E30Q14M	2014403	30	45.81	40.44	12.38	18.25	3.25	3.62	3.00	1/2 9/16 5/8 3/4	654
E30Q14H	2014404	30	45.81	40.44	13.88	18.25	3.25	3.62	3.00	1/2 9/16 5/8 3/4	769

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

* U.S. Patent 7,000,905 & 7,293,763

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.



The Split-Nut is standard equipment on McKissick® Easy Reeve® crane blocks up to 100 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 100 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

Crosby®

www.thecrosbygroup.com

Block Systems for offshore pedestal-mounted cranes certified to API 2C are considered critical components. McKissick provides blocks, overhaul balls, sheaves, button spelter sockets and wedge sockets that meet the critical compound requirements of API 2C to required Cv values. (It is the responsibility of the crane manufacturer to license or certify these components.)



MCKISSICK PROVIDES BLOCKS

Material traceability, chemistry reports, tensile test reports, magnetic particle inspection per ASTM E-709 on the following components: HOOK, HOOK NUT, TRUNNION, CENTER PIN, SIDE PLATE, SHEAVE (no MPI on sheave) and DEAD END.

CHARPY IMPACT TEST REPORTS PER API 2C LATEST REVISION ON HOOK, HOOK NUT, TRUNNION, CENTER PIN, SIDE PLATE AND DEAD END.

Sheave diameter based on D/d ratio based on pitch equal to a minimum of 18/1. Weight plates produced from plate steel. Hook to rotate on thrust bearing with grease fitting. Sheave bearing to be roller bearings with grease fitting.

Proof test to 0.5 ultimate load.

May be proof tested to 2X the rated working load limit.



MCKISSICK PROVIDES OVERHAUL BALLS

Material traceability, chemistry, tensile test, magnetic particle inspection per ASTM E-709 on the following components: SWIVEL EYE, FIXED EYE, SWIVEL EYE NUT, SWIVEL BASE PLUG, CASE PIN, HOOK PIN and HOOK.

CHARPY IMPACT TEST REPORTS PER API 2C LATEST REVISION ON SWIVEL EYE, FIXED EYE, SWIVEL EYE NUT, SWIVEL BASE PLUG, CASE PIN, HOOK PIN, AND HOOK.

Eye to rotate on thrust bearing with grease fitting.



MCKISSICK PROVIDES WEDGE SOCKETS 421 AND 422 UP TO 1-1/4"

Material traceability, chemistry, tensile test, magnetic particle inspection per ASTM E-709 on the following components: SOCKET BODY and PIN.

CHARPY IMPACT TEST WITH REPORTS ON SOCKET BODY AND PIN. TESTING TO BE PERFORMED PER API 2C LATEST REVISION.

Reference page 462 to assist in proper specification.



Crosby QUIC-TAG™

www.thecrosbygroup.com



QUIC-CHECK®

THE NEWEST ADDITION TO CROSBY'S RFID TAG FAMILY: QUIC-TAG™

Industry standards require periodic performance inspections to make sure lifting equipment is performing to specified levels. The Crosby QUIC-TAG™ makes the inspection process more efficient, and its unique design can be retrofitted on numerous products.

Features

- Easy, fast and secure attachment
- Engineered for extreme durability and strength with a low profile design
- Resistant to harsh environmental conditions including exposure to UV rays, water chemical exposure and temperatures up to 185°F (85°C)
- Compatible with the Crosby QUIC-CHECK® Inspection and Identification System
- The most cost effective RFID tag offered by Crosby®



Crosby®

Setting a “World Class” Standard in Subsea Lifting

Crosby® is a trusted partner in the Subsea Industry, priding ourselves on being the leading innovator with quality service to back it up. We understand that the unique needs and demanding applications involved in subsea work require products and training that are time-tested and proven.



Offshore Platform Applications



Underwater / Subsea ROV Applications



Scan to Learn More:

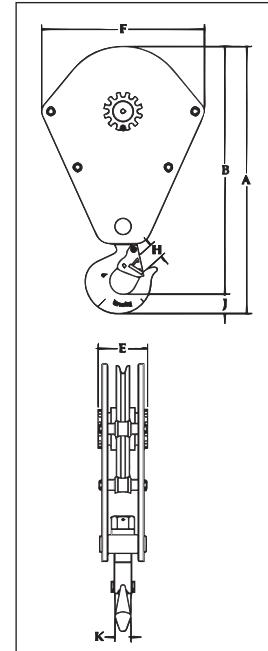


McKissick® Scrap Handling Blocks



381-SY
Scrap Handling
Blocks

- All single point shank hooks are genuine Crosby®, forged alloy steel, Quenched and Tempered, and have the patented QUIC-CHECK® markings.
- Durable - Allows longer continuous duty cycle.
- Can be used with magnet and drop ball.
- Single sheave design.
- Dual action hook (Swings and Rotates).
- Utilizes McKissick® Roll-Forged sheaves with flame hardened grooves.
- Furnished standard with Bronze Bushed Sheaves.
- Optional Tapered Roller Bearings.
- All sizes are **RFID EQUIPPED**.



**SEE APPLICATION AND
WARNING INFORMATION**
On Pages 381-388
Para Español: www.thecrosbygroup.com

381-SY Scrap Handling Blocks

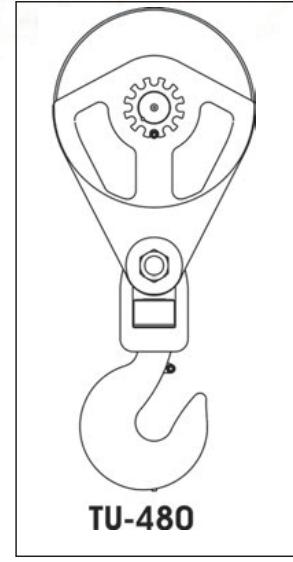
Model No.	381-SY Inquiry Stock No.	Working Load Limit (Tons)*	Sheave Diameter (in.)	Standard Wireline (in.)	Weight Each	Dimensions (in.)						
						A	B	E	F	H	J	K
S15S16L	2014810	15	16	9/16, 5/8, 3/4, 7/8	285	37.16	34.19	6.34	22.75	2.75	2.97	2.38
S20S18L	2014812	20	18	5/8, 3/4, 7/8, 1	395	39.54	36.57	6.84	24.75	2.75	2.97	2.38
S25S20L	2014814	25	20	3/4, 7/8, 1, 1-1/8	460	42.16	39.19	6.84	26.75	2.75	2.97	2.38
S30S24L	2014816	30	24	7/8, 1, 1-1/8, 1-1/4	705	50.44	46.81	7.84	30.75	3.25	3.62	3.00
S40S24L	2014818	40	24	7/8, 1, 1-1/8, 1-1/4	815	55.81	50.75	7.84	30.75	3.38	5.06	3.25

* Ultimate Load is 4 times the Working Load Limit.

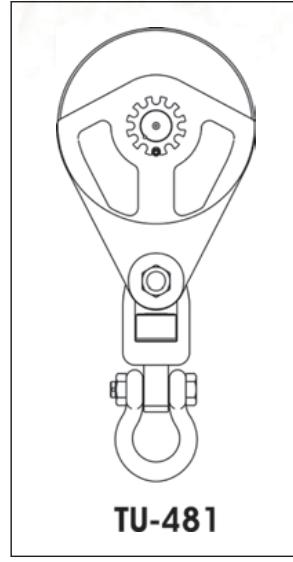


TU-481

- Wide Range of Sizes Available:**
 - 30 and 60 Ton Capacity
 - 1" to 2-1/4" Wireline Size
 - 16" to 24" Sheave Diameter
 - Larger Capacity Blocks available.
- Multiple Configurations Available:**
 - Swivel Hook
 - Swivel Shackle
 - Tailboard
 - Upset Shackle
 - Fixed Shackle
- McKissick Roll-Forged Sheaves:**
 - Flame Hardened Grooves
 - 30 Ton furnished with Roller Bearings
 - 60 Ton furnished with Tapered Roller Bearings with seals
- All sizes are **RFID EQUIPPED**.

TU-480 SERIES BLOCKS

TU-480



TU-481

- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these blocks meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.

**TU-480 / TU-481 High Capacity Snatch Blocks for Tilt-Up Wall Construction**

Working Load Limit (Tons)*	Sheave Diameter (in.)	Wire Line Size (in.)	With Swivel Hook		With Swivel Shackle	
			TU-480 Stock No.	TU-480 Weight Each (lbs.)	TU-481 Stock No.	TU-481 Weight Each (lbs.)
30	16"	1"	2108300	225	2108303	235
30	16"	1-1/8"	2108312	225	2108315	235
30	16"	1-1/4"	2108324	225	2108327	235
30	16"	1-3/8"	2108336	225	2108339	235
30	16"	1-1/2"	2108348	225	2108351	235
30	20"	1"	2108360	240	2108363	250
30	20"	1-1/8"	2108372	240	2108375	250
30	20"	1-1/4"	2108384	240	2108387	250
30	20"	1-3/8"	2108396	240	2108399	250
30	20"	1-1/2"	2108408	240	2108411	250
60	18"	1"	2108420	390	2108423	390
60	18"	1-1/8"	2108435	390	2108438	390
60	18"	1-1/4"	2108450	390	2108453	390
60	18"	1-3/8"	2108465	390	2108468	390
60	18"	1-1/2"	2108480	390	2108483	390
60	24"	1"	2108495	450	2108498	450
60	24"	1-1/8"	2108510	450	2108513	450
60	24"	1-1/4"	2108525	450	2108528	450
60	24"	1-3/8"	2108540	450	2108543	450
60	24"	1-1/2"	2108555	450	2108558	450
60	24"	1-5/8"	2108570	450	2108573	450
60	24"	1-3/4"	2108585	450	2108588	450
60	24"	1-7/8"	2108600	450	2108603	450
60	24"	2"	2108615	450	2108618	450
60	24"	2-1/4"	2108630	450	2108633	450

* Ultimate Load is 4 times the Working Load Limit.

Contact our Block Hotline (800)772-1555 for larger capacity blocks up to 350 Tons or reference the special request form on page 461.



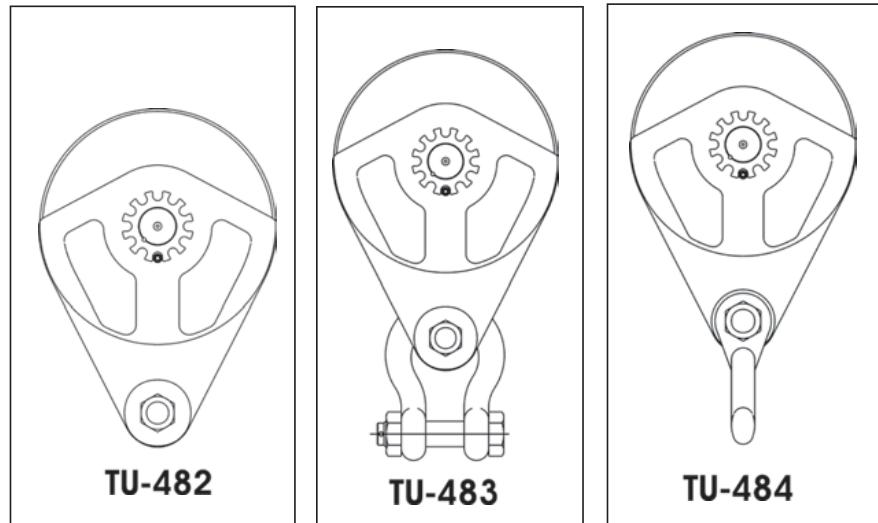
- Wide Range of Sizes Available:**
 - 30 and 60 Ton Capacity
 - 1" to 2-1/4" Wireline Size
 - 16" to 24" Sheave Diameter
 - Larger Capacity Blocks available.

- Multiple Configurations Available:**
 - Swivel Hook
 - Swivel Shackle
 - Tailboard
 - Upset Shackle
 - Fixed Shackle

- McKissick Roll-Forged Sheaves:**
 - Flame Hardened Grooves
 - 30 Ton furnished with Roller Bearings
 - 60 Ton furnished with Tapered Roller Bearings with seals

- All sizes are **RFID EQUIPPED**.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these blocks meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.

TU-480 SERIES BLOCKS



TU-482 / TU-483 / TU-484 High Capacity Snatch Blocks for Tilt-Up Wall Construction

Working Load Limit (Tons)*	Sheave Diameter (in.)	Wireline Size (in.)	Tailboard Style		With Upset Shackle		With Fixed Shackle	
			TU-482 Stock No.	TU-482 Weight Each (lbs.)	TU-483 Stock No.	TU-483 Weight Each (lbs.)	TU-484 Stock No.	TU-484 Weight Each (lbs.)
30	16"	1"	2108306	140	2108309	180	2108645	160
30	16"	1-1/8"	2108318	140	2108321	180	2108648	160
30	16"	1-1/4"	2108330	140	2108333	180	2108651	160
30	16"	1-3/8"	2108342	140	2108345	180	2108654	160
30	16"	1-1/2"	2108354	140	2108357	180	2108657	160
30	20"	1"	2108366	155	2108369	195	2108660	175
30	20"	1-1/8"	2108378	155	2108381	195	2108663	175
30	20"	1-1/4"	2108390	155	2108393	195	2108666	175
30	20"	1-3/8"	2108402	155	2108405	195	2108669	175
30	20"	1-1/2"	2108414	155	2108417	195	2108672	175
60	18"	1"	2108426	230	2108429	340	2108432	290
60	18"	1-1/8"	2108441	230	2108444	340	2108447	290
60	18"	1-1/4"	2108456	230	2108459	340	2108462	290
60	18"	1-3/8"	2108471	230	2108474	340	2108477	290
60	18"	1-1/2"	2108486	230	2108489	340	2108492	290
60	24"	1"	2108501	290	2108504	400	2108507	350
60	24"	1-1/8"	2108516	290	2108519	400	2108522	350
60	24"	1-1/4"	2108531	290	2108534	400	2108537	350
60	24"	1-3/8"	2108546	290	2108549	400	2108552	350
60	24"	1-1/2"	2108561	290	2108564	400	2108567	350
60	24"	1-5/8"	2108576	290	2108579	400	2108582	350
60	24"	1-3/4"	2108591	290	2108594	400	2108597	350
60	24"	1-7/8"	2108606	290	2108609	400	2108612	350
60	24"	2"	2108621	290	2108624	400	2108627	350
60	24"	2-1/4"	2108636	290	2108639	400	2108642	350

* Ultimate Load is 4 times the Working Load Limit.

Contact our Specials Sales Department for blocks up to 350 Tons or reference the special request form on page 461.



680
Construction Block
with Shackle



680
Construction Block
with Hanger



680
Construction Block
Bolt only

**SEE APPLICATION AND
WARNING INFORMATION**
On Pages 381-388
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680 Construction Blocks

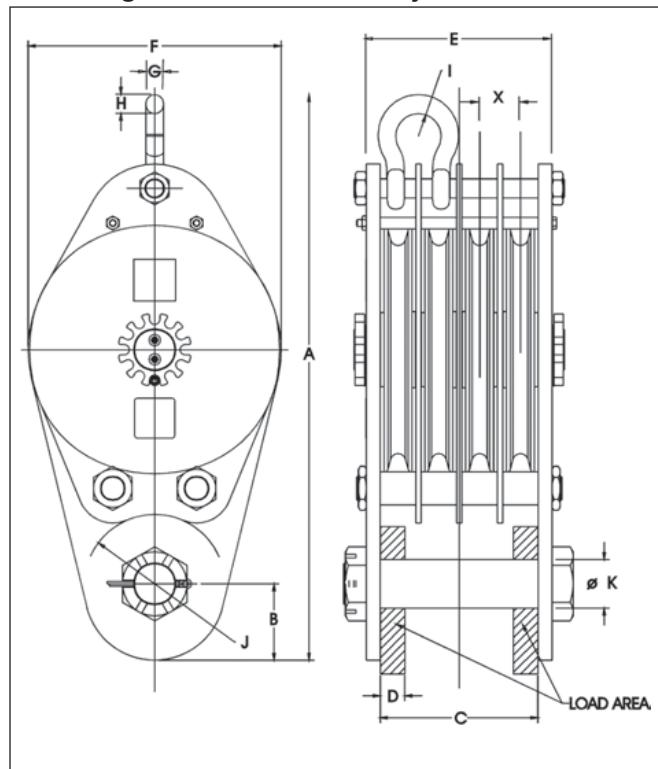
- Wide Range of products available.
- Capacity: 5 to 100 Tons – Larger models available.
- Sheave sizes: 6" to 24" O.D.
- Wireline Sizes: 3/8" to 1-1/4"
- Equipped with genuine Crosby® forged steel, Quenched and Tempered shackles that contain the patented **QUIC-CHECK®** markings.
- Design Factor of 4 to 1.
- All 680 Series Blocks are furnished standard with Bronze Bushings.
- All 680 blocks 16" and larger, are furnished with McKissick® Roll-Forged sheaves with flame hardened grooves.
- Sheaves are lubricated through center pin, with a separate lube channel to each bearing.
- Single sheave blocks have thimble dead end.
- Manufactured by an ISO 9001 and API Q1 Certified facility.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these blocks meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.

OPTIONS AVAILABLE

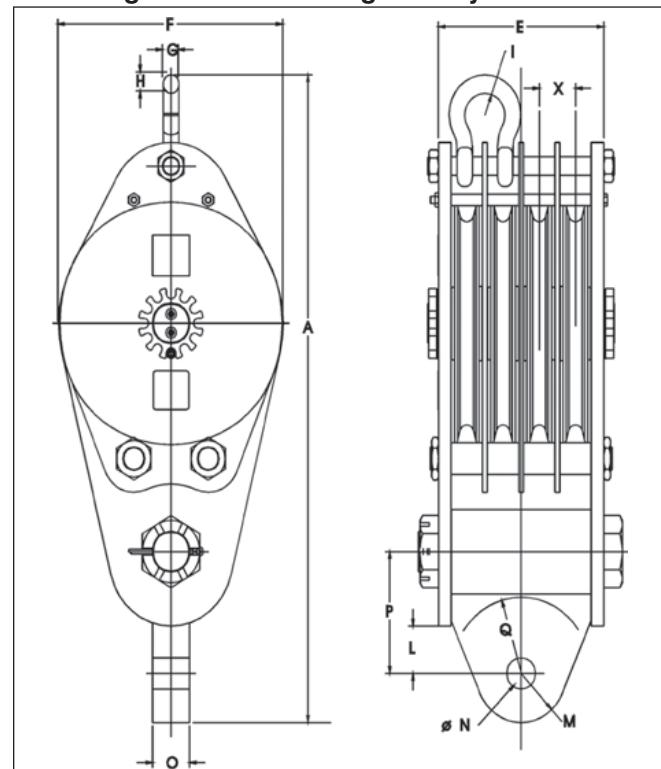
- Roller bearing sheaves
- Hanger and Bolt Only models available
- Third party testing with certification
- Galvanized finish – Most models



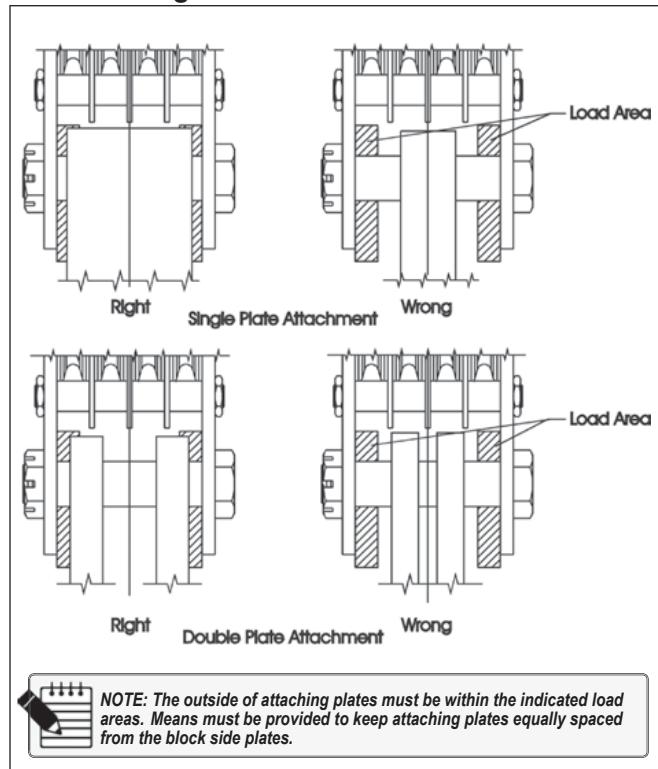
"P" Fitting – Block with Bolt Only



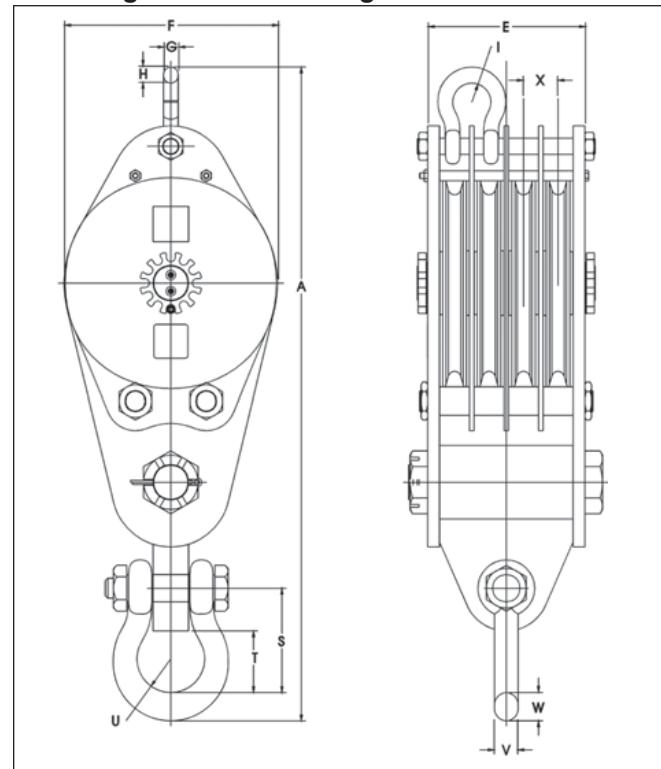
"H" Fitting – Block with Hangers Only



Block Loading Area



"S" Fitting – Block with Hanger and Shackle



680 Blocks – “S” Fitting – Blocks with Hanger and Shackle – See Drawing on Page 339

Model No.	680-S Inquiry Stock No.	Working Load Limit (Tons)	No. of Sheaves	Sheave Diam. (in.)	Dimensions (in.)											Weight Each (lbs.)	
					A	E	F	G	H	I	S	T	U	V	W	X	
C45Q16BS	2103604	45	4	16	49.75	10.44	16.12	1.13	1.25	1.46	8.00	5.12	2.50	1.75	2.25	2.30	535
C45Q18BS	2103606	45	4	18	50.25	13.33	18.12	1.13	1.25	1.46	8.00	5.12	2.50	1.75	2.25	2.90	800
50 Tons																	
C50D20BS	2103640	50	2	20	56.81	7.84	20.12	1.25	1.38	1.62	8.88	5.63	2.88	2.00	2.40	3.30	740
C50D24BS	2103642	50	2	24	60.81	7.84	24.12	1.25	1.38	1.62	8.88	5.63	2.88	2.00	2.40	3.30	923
C50T18BS	2103650	50	3	18	55.56	10.40	18.12	1.25	1.38	1.62	8.88	5.25	2.88	2.00	2.40	2.90	752
C50T20BS	2103652	50	3	20	56.81	10.40	20.12	1.25	1.38	1.62	8.88	5.25	2.88	2.00	2.40	2.90	864
C50T24BS	2103654	50	3	24	60.81	10.40	24.12	1.25	1.38	1.62	8.88	5.25	2.88	2.00	2.40	2.90	1077
C50Q16BS	2103660	50	4	16	53.44	13.33	16.12	1.25	1.38	1.62	8.88	5.25	2.88	2.00	2.40	2.90	780
C50Q18BS	2103662	50	4	18	55.56	13.33	18.12	1.25	1.38	1.62	8.88	5.25	2.88	2.00	2.40	2.90	930
55 Tons																	
C55D20BS	2103700	55	2	20	56.81	7.84	20.12	1.25	1.38	1.62	8.88	5.63	2.88	2.00	2.40	3.30	740
C55D24BS	2103702	55	2	24	60.81	7.84	24.12	1.25	1.38	1.62	8.88	5.63	2.88	2.00	2.40	3.30	923
C55T18BS	2103710	55	3	18	55.56	10.40	18.12	1.25	1.38	1.62	8.88	5.25	2.88	2.00	2.40	2.90	752
C55T20BS	2103712	55	3	20	56.81	10.40	20.12	1.25	1.38	1.62	8.88	5.25	2.88	2.00	2.40	2.90	864
C55T24BS	2103714	55	3	24	60.81	10.40	24.12	1.25	1.38	1.62	8.88	5.25	2.88	2.00	2.40	2.90	1077
C55Q16BS	2103720	55	4	16	53.44	13.33	16.12	1.25	1.38	1.62	8.88	5.25	2.88	2.00	2.40	2.90	780
C55Q18BS	2103722	55	4	18	55.56	13.33	18.12	1.25	1.38	1.62	8.88	5.25	2.88	2.00	2.40	2.90	930
60 Tons																	
C60T18BS	2103760	60	3	18	55.56	10.40	18.12	1.25	1.38	1.62	8.88	5.25	2.88	2.00	2.40	2.90	752
C60T20BS	2103762	60	3	20	56.75	10.40	20.12	1.25	1.38	1.62	8.88	5.25	2.88	2.00	2.40	2.90	864
C60T24BS	2103764	60	3	24	60.75	10.40	24.12	1.25	1.38	1.62	8.88	5.25	2.88	2.00	2.40	2.90	1077
C60Q18BS	2103770	60	4	18	55.56	13.33	18.12	1.25	1.38	1.62	8.88	5.25	2.88	2.00	2.40	2.90	930
C60Q20BS	2103772	60	4	20	56.75	13.33	20.12	1.25	1.38	1.62	8.88	5.25	2.88	2.00	2.40	2.90	1080
C60Q24BS	2103774	60	4	24	60.75	13.33	24.12	1.25	1.38	1.62	8.88	5.25	2.88	2.00	2.40	2.90	1290
65 Tons																	
C65T18BS	2103810	65	3	18	55.56	10.40	18.12	1.25	1.38	1.62	8.88	5.25	2.88	2.00	2.40	2.90	752
C65T20BS	2103812	65	3	20	56.75	10.40	20.12	1.25	1.38	1.62	8.88	5.25	2.88	2.00	2.40	2.90	864
C65T24BS	2103814	65	3	24	60.75	10.40	24.12	1.25	1.38	1.62	8.88	5.25	2.88	2.00	2.40	2.90	1077
C65Q18BS	2103820	65	4	18	55.56	13.33	18.12	1.25	1.38	1.62	8.88	5.25	2.88	2.00	2.40	2.90	930
C65Q20BS	2103822	65	4	20	56.75	13.33	20.12	1.25	1.38	1.62	8.88	5.25	2.88	2.00	2.40	2.90	1080
C65Q24BS	2103824	65	4	24	60.75	13.33	24.12	1.25	1.38	1.62	8.88	5.25	2.88	2.00	2.40	2.90	1290
70 Tons																	
C70T20BS	2103830	70	3	20	65.75	11.14	20.12	1.38	1.50	1.82	11.88	7.25	3.62	2.71	3.12	3.30	1170
C70Q20BS	2103840	70	4	20	65.75	13.31	20.12	1.38	1.50	1.82	11.88	7.25	3.62	2.71	3.12	2.90	1235
C70Q24BS	2103842	70	4	24	69.75	13.31	24.12	1.38	1.50	1.82	11.88	7.25	3.62	2.71	3.12	2.90	1560
C70QN20BS	2103850	70	5	20	65.75	18.23	20.12	1.38	1.50	1.82	11.88	7.25	3.62	2.71	3.12	3.30	1590
C70QN24BS	2103852	70	5	24	69.75	18.23	24.12	1.38	1.50	1.82	11.88	7.25	3.62	2.71	3.12	3.30	2000
80 Tons																	
C80T20BS	2103860	80	3	20	65.75	11.14	20.12	1.38	1.50	1.82	11.88	7.25	3.62	2.71	3.12	3.30	1170
C80Q20BS	2103870	80	4	20	65.75	13.31	20.12	1.38	1.50	1.82	11.88	7.25	3.62	2.71	3.12	2.90	1300
C80Q24BS	2103872	80	4	24	69.75	13.31	24.12	1.38	1.50	1.82	11.88	7.25	3.62	2.71	3.12	2.90	1560
C80QN20BS	2103880	80	5	20	65.75	18.23	20.12	1.38	1.50	1.82	11.88	7.25	3.62	2.71	3.12	3.30	1590
C80QN24BS	2103882	80	5	24	69.75	18.23	24.12	1.38	1.50	1.82	11.88	7.25	3.62	2.71	3.12	3.30	2000
90 Tons																	
C90Q20BS	2103920	90	4	20	65.75	13.81	20.12	1.38	1.50	1.82	11.88	7.25	3.62	2.71	3.12	2.90	1360
C90Q24BS	2103922	90	4	24	69.75	13.81	24.12	1.38	1.50	1.82	11.88	7.25	3.62	2.71	3.12	2.90	1720
C90QN20BS	2103930	90	5	20	65.75	18.23	20.12	1.38	1.50	1.82	11.88	7.25	3.62	2.71	3.12	3.30	1590
C90QN24BS	2103932	90	5	24	69.75	18.23	24.12	1.38	1.50	1.82	11.88	7.25	3.62	2.71	3.12	3.30	2060
100 Tons																	
C100QN20BS	2103970	100	5	20	65.75	18.23	20.12	1.38	1.50	1.82	11.88	7.25	3.62	2.71	3.12	3.30	1590
C100QN24BS	2103972	100	5	24	69.75	18.23	24.12	1.38	1.50	1.82	11.88	7.25	3.62	2.71	3.12	3.30	2060
C100SX20BS	2103980	100	6	20	65.75	20.41	20.12	1.38	1.50	1.82	11.88	7.25	3.62	2.71	3.12	2.90	1665
C100SX24BS	2103982	100	6	24	69.75	20.41	24.12	1.38	1.50	1.82	11.88	7.25	3.62	2.71	3.12	2.90	2155

QUIC-KIT

The McKissick QUIC-KIT®

Featuring the McKissick® 750 Bridge Crane Block

The patented McKissick QUIC-KIT® system is a revolutionary concept that provides you the ability to build a factory quality replacement bridge crane block where you need it, when you need it.

The QUIC-KIT® system provides the components needed to build up to 32 possible combinations of a 750 bridge crane block; all in one kit that can be easily assembled on site.

Features of the McKissick QUIC-KIT® include:

- **Reduced downtime** — A replacement block can be assembled in minutes from kit components utilizing tools and assembly instructions provided in each kit.
- **Multiple versions of two sheave blocks** — Up to 32 possible block combinations are included in the 752 series block kit. Each kit contains three WireLine sizes and two center pins with multiple sheave spacers.
- **Adjustable sheave spacing in 1/2" increments** — Center pin design gives you the ability to assemble the replacement block to meet your spacing requirement.
- **The McKissick QUIC-KIT®** — Comes complete in a durable carrying case for easy transport and for storing components on the work site or warehouse.

Crosby has established a call center to answer questions concerning the QUIC-KIT®, 750 series blocks or other McKissick® blocks. To reach the call center, simply call the Block Hotline number, (800) 727-1555.

WLL (t)	751K Stock No.	Sheave O.D. (in.)	Pitch Diameter		Sheave Wire	
			(in.)	(mm)	(in.)	(mm)
2	1003542	6.5	5.69	151	1/4, 5/16, 3/8	6.5, 8, 9-10
3	1003551	8	7.38	187	1/4, 5/16, 3/8, 7/16, 1/2	6.5, 8, 9-10, 11, 12-13
5	1003560	10	9.25	235	3/8, 7/16, 1/2, 9/16, 5/8	9-10, 11, 12-13, 14, 16
7.5	1003579	12	11.00	279	1/2, 9/16, 5/8, 3/4	12-13, 14, 16, 19
10	1003588	14	12.50	318	5/8, 3/4, 7/8, 1	16, 19, 22, 25-26

WLL (t)	752K Stock No.	Sheave O.D. (in.)	Sheave Spacing Centerline		Pitch Diameter		Sheave Wire	
			(in.)	(mm)	(in.)	(mm)	(in.)	(mm)
3	1003595	6.5	3.25-5	82.6-127	5.95	150-152	1/4, 5/16, 3/8	6.5, 8, 9-10
5	1003604	8	4.5-6.5	114-165	7.38	183-191	1/4, 5/16, 3/8, 7/16, 1/2	6.5, 8, 9-10, 11, 12-13
7.5	1003613	10	5.25-7.75	133-203	9.25	228-236	3/8, 7/16, 1/2, 9/16, 5/8	9-10, 11, 12-13, 14, 16
10	1003622	12	6.5-10	165-254	11	273-282	1/2, 9/16, 5/8, 3/4	12-13, 14, 16, 19
15	1003631	12	7.5-11	191-279	11	273-282	1/2, 9/16, 5/8, 3/4	12-13, 14, 16, 19



Crosby®

McKISSICK®

Your Total Block Company

- Wide range of products available (see tables below).
- Removable housing allows block to be reeved without complete disassembly.
- Bearing life and Design Factors meet:
 - ASME HST-4, Class H
 - CMAA 70 Class D
 - FEM9.511 Class 2m
 - ISO 4301.1 Class M5
- Adjustable sheave spacing in 1/2" increments (1/4" on 6-1/2" size).
- Sheave pitch diameter minimum of 16 times rope diameter on standard sizes.
- All single point shank hooks are genuine Crosby®, forged alloy steel, Quenched and Tempered, contain the patented QUIC-CHECK® markings and come with a world class latch that integrates with hook tip.
- U.S. Patent 7,255,330**
- All sizes are **RFID EQUIPPED**.
- Sheave bearings are maintenance free and sealed for life (10,000 hrs.).
- Ability to attach optional anti two-block device.
- Available with shackle as lower connection point.
- Ultimate load is 5 times the Working Load Limit.



BC-751
Single Sheave

BC-751 Single Sheave

Model 751 – Single Sheave					
WLL (t)	2	3	5	7.5	10
Sheave O.D.	6.5" 165mm	8" 203mm	10" 254mm	12" 305mm	14" 356mm
Pitch Diameter	5.69" 151mm	7.38" 187mm	9.25" 235mm	11" 279mm	12.5" 318mm
Wireline*					
1/4" 6.5mm					
5/16" 8mm					
3/8" 9 - 10mm					
7/16" 11mm					
1/2" 12 - 13mm					
9/16" 14mm					
5/8" 16mm					
3/4" 19mm					
7/8" 22mm					
1" 25 - 26mm					

* Additional Wireline sizes available.

BC-752 Double Sheave

Model 752 – Double Sheave					
WLL (t)	3	5	7.5	10	15
Sheave O.D. (mm)	6.5" 165mm	8" 203mm	10" 254mm	12" 305mm	14" 356mm
Sheave Spacing Centerline (mm)	3.25" - 5" 82.6 - 127mm	4.5" - 6.5" 114 - 165mm	5.25" - 7.75" 133 - 203mm	6.5" - 10" 165 - 254mm	7.5" - 11" 191 - 279mm
Pitch Diameter (mm)	5.95" 150 - 152mm	7.38" 183 - 191mm	9.25" 228 - 236mm	11" 273 - 282mm	11" 273 - 282mm
Wireline*					
1/4" 6.5mm					
5/16" 8mm					
3/8" 9 - 10mm					
7/16" 11mm					
1/2" 12 - 13mm					
9/16" 14mm					
5/8" 16mm					
3/4" 19mm					

* Additional Wireline sizes available.

= Primary Wireline Size

= Other Wireline Sizes

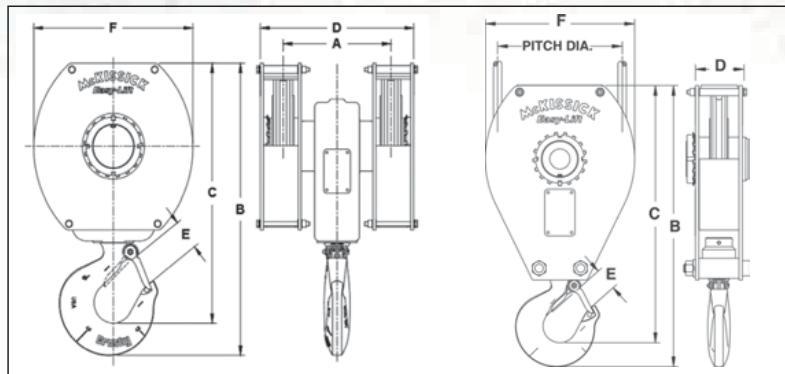


BC-752
Double Sheave

Key to McKissick® Easy-Lift® Overhead Bridge Crane Blocks					
Single and Double Sheave Blocks			Double Sheave Blocks Only		
BC	05	D	08	B	36
↓	↓	↓	↓	↓	↓
McKissick® 750 Series Bridge Crane Blocks	Working Load Limit (t)	Number of Sheaves S = 1 D = 2	Sheave Diameter (in.)	Center Pin Designation	Sheave Spacing in 1/8" Increments



McKissick® Overhead Bridge Crane Blocks



All sizes are **RFID EQUIPPED**.



751 Series Bridge Crane Blocks

Model No.	BC-751 Stock No.	Working Load Limit (t)*	Sheave Diameter (in.)	Dimensions (in.)					Standard Wireline Size (in.)	Weight Each (lbs.)
				B	C	D	E	F		
2 Metric Tons										
BC02S06	2022539	2	6.5	13.93	12.80	2.12	1.16	7.44	1/4	18
BC02S06	2022540	2	6.5	13.93	12.80	2.12	1.16	7.44	5/16	18
BC02S06	2022541	2	6.5	13.93	12.80	2.12	1.16	7.44	3/8	18
3 Metric Tons										
BC03S08	2022521	3	8	16.88	15.41	2.75	1.36	8.94	1/4	35
BC03S08	2022522	3	8	16.88	15.41	2.75	1.36	8.94	5/16	35
BC03S08	2022523	3	8	16.88	15.41	2.75	1.36	8.94	3/8	35
BC03S08	2022524	3	8	16.88	15.41	2.75	1.36	8.94	7/16	35
BC03S08	2022525	3	8	16.88	15.41	2.75	1.36	8.94	1/2	35
5 Metric Tons										
BC05S10	2022526	5	10	21.00	19.19	3.50	1.61	11.12	3/8	60
BC05S10	2022527	5	10	21.00	19.19	3.50	1.61	11.12	7/16	60
BC05S10	2022528	5	10	21.00	19.19	3.50	1.61	11.12	1/2	60
BC05S10	2022529	5	10	21.00	19.19	3.50	1.61	11.12	9/16	60
BC05S10	2022530	5	10	21.00	19.19	3.50	1.61	11.12	5/8	60
7.5 Metric Tons										
BC07S12	2022531	7.5	12	25.44	23.19	4.25	2.08	13.44	1/2	115
BC07S12	2022532	7.5	12	25.44	23.19	4.25	2.08	13.44	9/16	115
BC07S12	2022533	7.5	12	25.44	23.19	4.25	2.08	13.44	5/8	115
BC07S12	2022534	7.5	12	25.44	23.19	4.25	2.08	13.44	3/4	115
10 Metric Tons										
BC10S14	2022535	10	14	29.12	26.50	5.00	2.27	15.50	5/8	155
BC10S14	2022536	10	14	29.12	26.50	5.00	2.27	15.50	3/4	155
BC10S14	2022537	10	14	29.12	26.50	5.00	2.27	15.50	7/8	155
BC10S14	2022538	10	14	29.12	26.50	5.00	2.27	15.50	1	155

* Ultimate Load is 5 times the Working Load Limit.

752 Series Bridge Crane Blocks

Model No.	BC-752 Stock No.	Working Load Limit (t)*	Sheave Diameter (in.)	Dimensions (in.)					Standard Wireline Size (in.)	Weight Each (lbs.)
				A	B	C	D	E		
3 Metric Tons										
BC03D06M26	2022731	3	6.5	3.25	13.41	11.97	5.75	1.36	7.44	1/4
BC03D06M26	2022739	3	6.5	3.25	13.41	11.97	5.75	1.36	7.44	5/16
BC03D06M26	2022747	3	6.5	3.25	13.41	11.97	5.75	1.36	7.44	3/8
BC03D06M28	2022732	3	6.5	3.50	13.41	11.97	5.75	1.36	7.44	1/4
BC03D06M28	2022740	3	6.5	3.50	13.41	11.97	5.75	1.36	7.44	5/16
BC03D06M28	2022748	3	6.5	3.50	13.41	11.97	5.75	1.36	7.44	3/8
BC03D06M30	2022733	3	6.5	3.75	13.41	11.97	5.75	1.36	7.44	1/4
BC03D06M30	2022741	3	6.5	3.75	13.41	11.97	5.75	1.36	7.44	5/16
BC03D06M30	2022749	3	6.5	3.75	13.41	11.97	5.75	1.36	7.44	3/8
BC03D06M32	2022734	3	6.5	4.00	13.41	11.97	5.75	1.36	7.44	1/4
BC03D06M32	2022742	3	6.5	4.00	13.41	11.97	5.75	1.36	7.44	5/16
BC03D06M32	2022750	3	6.5	4.00	13.41	11.97	5.75	1.36	7.44	3/8
BC03D06N34	2022735	3	6.5	4.25	13.41	11.97	6.75	1.36	7.44	1/4
BC03D06N34	2022743	3	6.5	4.25	13.41	11.97	6.75	1.36	7.44	5/16
BC03D06N34	2022751	3	6.5	4.25	13.41	11.97	6.75	1.36	7.44	3/8
BC03D06N36	2022736	3	6.5	4.50	13.41	11.97	6.75	1.36	7.44	1/4
BC03D06N36	2022744	3	6.5	4.50	13.41	11.97	6.75	1.36	7.44	5/16
BC03D06N36	2022752	3	6.5	4.50	13.41	11.97	6.75	1.36	7.44	3/8
BC03D06N38	2022737	3	6.5	4.75	13.41	11.97	6.75	1.36	7.44	1/4
BC03D06N38	2022745	3	6.5	4.75	13.41	11.97	6.75	1.36	7.44	5/16
BC03D06N38	2022753	3	6.5	4.75	13.41	11.97	6.75	1.36	7.44	3/8
BC03D06N40	2022738	3	6.5	5.00	13.41	11.97	6.75	1.36	7.44	1/4
BC03D06N40	2022746	3	6.5	5.00	13.41	11.97	6.75	1.36	7.44	5/16
BC03D06N40	2022754	3	6.5	5.00	13.41	11.97	6.75	1.36	7.44	3/8

752 Series Bridge Crane Blocks

Model No.	BC-752 Stock No.	Working Load Limit (t)*	Sheave Diameter (in.)	Dimensions (in.)						Standard Wireline Size (in.)	Weight Each (lbs.)	
				A	B	C	D	E	F			
5 Metric Tons												
BC05D08B36	2022550	5	8	4.50	16.41	14.59	7.69	1.61	8.94	1/4	75	
BC05D08B36	2022551	5	8	4.50	16.41	14.59	7.69	1.61	8.94	5/16	75	
BC05D08B36	2022552	5	8	4.50	16.41	14.59	7.69	1.61	8.94	3/8	75	
BC05D08B36	2022553	5	8	4.50	16.41	14.59	7.69	1.61	8.94	7/16	75	
BC05D08B36	2022554	5	8	4.50	16.41	14.59	7.69	1.61	8.94	1/2	75	
BC05D08B40	2022555	5	8	5.00	16.41	14.59	7.69	1.61	8.94	1/4	75	
BC05D08B40	2022556	5	8	5.00	16.41	14.59	7.69	1.61	8.94	5/16	75	
BC05D08B40	2022557	5	8	5.00	16.41	14.59	7.69	1.61	8.94	3/8	75	
BC05D08B40	2022558	5	8	5.00	16.41	14.59	7.69	1.61	8.94	7/16	75	
BC05D08B40	2022559	5	8	5.00	16.41	14.59	7.69	1.61	8.94	1/2	75	
BC05D08B44	2022560	5	8	5.50	16.41	14.59	7.69	1.61	8.94	1/4	75	
BC05D08B44	2022561	5	8	5.50	16.41	14.59	7.69	1.61	8.94	5/16	75	
BC05D08B44	2022562	5	8	5.50	16.41	14.59	7.69	1.61	8.94	3/8	75	
BC05D08B44	2022563	5	8	5.50	16.41	14.59	7.69	1.61	8.94	7/16	75	
BC05D08B44	2022564	5	8	5.50	16.41	14.59	7.69	1.61	8.94	1/2	75	
BC05D08C44	2022565	5	8	5.50	16.41	14.59	8.69	1.61	8.94	1/4	75	
BC05D08C44	2022566	5	8	5.50	16.41	14.59	8.69	1.61	8.94	5/16	75	
BC05D08C44	2022567	5	8	5.50	16.41	14.59	8.69	1.61	8.94	3/8	75	
BC05D08C44	2022568	5	8	5.50	16.41	14.59	8.69	1.61	8.94	7/16	75	
BC05D08C44	2022569	5	8	5.50	16.41	14.59	8.69	1.61	8.94	1/2	75	
BC05D08C48	2022570	5	8	6.00	16.41	14.59	8.69	1.61	8.94	1/4	75	
BC05D08C48	2022571	5	8	6.00	16.41	14.59	8.69	1.61	8.94	5/16	75	
BC05D08C48	2022572	5	8	6.00	16.41	14.59	8.69	1.61	8.94	3/8	75	
BC05D08C48	2022573	5	8	6.00	16.41	14.59	8.69	1.61	8.94	7/16	75	
BC05D08C48	2022574	5	8	6.00	16.41	14.59	8.69	1.61	8.94	1/2	75	
BC05D08C52	2022575	5	8	6.50	16.41	14.59	8.69	1.61	8.94	1/4	75	
BC05D08C52	2022576	5	8	6.50	16.41	14.59	8.69	1.61	8.94	5/16	75	
BC05D08C52	2022577	5	8	6.50	16.41	14.59	8.69	1.61	8.94	3/8	75	
BC05D08C52	2022578	5	8	6.50	16.41	14.59	8.69	1.61	8.94	7/16	75	
BC05D08C52	2022579	5	8	6.50	16.41	14.59	8.69	1.61	8.94	1/2	75	
7.5 Metric Tons												
BC07D10D42	2022580	7.5	10	5.25	20.25	18.00	8.69	2.08	11.12	3/8	125	
BC07D10D42	2022581	7.5	10	5.25	20.25	18.00	8.69	2.08	11.12	7/16	125	
BC07D10D42	2022582	7.5	10	5.25	20.25	18.00	8.69	2.08	11.12	1/2	125	
BC07D10D42	2022583	7.5	10	5.25	20.25	18.00	8.69	2.08	11.12	9/16	125	
BC07D10D42	2022584	7.5	10	5.25	20.25	18.00	8.69	2.08	11.12	5/8	125	
BC07D10D46	2022585	7.5	10	5.75	20.25	18.00	8.69	2.08	11.12	3/8	125	
BC07D10D46	2022586	7.5	10	5.75	20.25	18.00	8.69	2.08	11.12	7/16	125	
BC07D10D46	2022587	7.5	10	5.75	20.25	18.00	8.69	2.08	11.12	1/2	125	
BC07D10D46	2022588	7.5	10	5.75	20.25	18.00	8.69	2.08	11.12	9/16	125	
BC07D10D46	2022589	7.5	10	5.75	20.25	18.00	8.69	2.08	11.12	5/8	125	
BC07D10D50	2022590	7.5	10	6.25	20.25	18.00	8.69	2.08	11.12	3/8	125	
BC07D10D50	2022591	7.5	10	6.25	20.25	18.00	8.69	2.08	11.12	7/16	125	
BC07D10D50	2022592	7.5	10	6.25	20.25	18.00	8.69	2.08	11.12	1/2	125	
BC07D10D50	2022593	7.5	10	6.25	20.25	18.00	8.69	2.08	11.12	9/16	125	
BC07D10D50	2022594	7.5	10	6.25	20.25	18.00	8.69	2.08	11.12	5/8	125	
BC07D10E48	2022595	7.5	10	6.00	20.25	18.00	9.44	2.08	11.12	3/8	125	
BC07D10E48	2022596	7.5	10	6.00	20.25	18.00	9.44	2.08	11.12	7/16	125	
BC07D10E48	2022597	7.5	10	6.00	20.25	18.00	9.44	2.08	11.12	1/2	125	
BC07D10E48	2022598	7.5	10	6.00	20.25	18.00	9.44	2.08	11.12	9/16	125	
BC07D10E48	2022599	7.5	10	6.00	20.25	18.00	9.44	2.08	11.12	5/8	125	
BC07D10E52	2022600	7.5	10	6.50	20.25	18.00	9.44	2.08	11.12	3/8	125	
BC07D10E52	2022601	7.5	10	6.50	20.25	18.00	9.44	2.08	11.12	7/16	125	
BC07D10E52	2022602	7.5	10	6.50	20.25	18.00	9.44	2.08	11.12	1/2	125	
BC07D10E52	2022603	7.5	10	6.50	20.25	18.00	9.44	2.08	11.12	9/16	125	
BC07D10E52	2022604	7.5	10	6.50	20.25	18.00	9.44	2.08	11.12	5/8	125	
BC07D10E56	2022605	7.5	10	7.00	20.25	18.00	9.44	2.08	11.12	3/8	125	
BC07D10E56	2022606	7.5	10	7.00	20.25	18.00	9.44	2.08	11.12	7/16	125	
BC07D10E56	2022607	7.5	10	7.00	20.25	18.00	9.44	2.08	11.12	1/2	125	
BC07D10E56	2022608	7.5	10	7.00	20.25	18.00	9.44	2.08	11.12	9/16	125	
BC07D10E56	2022609	7.5	10	7.00	20.25	18.00	9.44	2.08	11.12	5/8	125	
BC07D10F56	2022610	7.5	10	7.00	20.25	18.00	10.44	2.08	11.12	3/8	125	
BC07D10F56	2022611	7.5	10	7.00	20.25	18.00	10.44	2.08	11.12	7/16	125	
BC07D10F56	2022612	7.5	10	7.00	20.25	18.00	10.44	2.08	11.12	1/2	125	
BC07D10F56	2022613	7.5	10	7.00	20.25	18.00	10.44	2.08	11.12	9/16	125	
BC07D10F56	2022614	7.5	10	7.00	20.25	18.00	10.44	2.08	11.12	5/8	125	
BC07D10F60	2022615	7.5	10	7.50	20.25	18.00	10.44	2.08	11.12	3/8	125	
BC07D10F60	2022616	7.5	10	7.50	20.25	18.00	10.44	2.08	11.12	7/16	125	
BC07D10F60	2022617	7.5	10	7.50	20.25	18.00	10.44	2.08	11.12	1/2	125	
BC07D10F60	2022618	7.5	10	7.50	20.25	18.00	10.44	2.08	11.12	9/16	125	
BC07D10F60	2022619	7.5	10	7.50	20.25	18.00	10.44	2.08	11.12	5/8	125	

McKissick® Overhead Bridge Crane Blocks



752 Series Bridge Crane Blocks

Model No.	BC-752 Stock No.	Working Load Limit (t)*	Sheave Diameter (in.)	Dimensions (in.)						Standard Wireline Size (in.)	Weight Each (lbs.)	
				A	B	C	D	E	F			
BC07D10F64	2022620	7.5	10	8.00	20.25	18.00	10.44	2.08	11.12	3/8	125	
BC07D10F64	2022621	7.5	10	8.00	20.25	18.00	10.44	2.08	11.12	7/16	125	
BC07D10F64	2022622	7.5	10	8.00	20.25	18.00	10.44	2.08	11.12	1/2	125	
BC07D10F64	2022623	7.5	10	8.00	20.25	18.00	10.44	2.08	11.12	9/16	125	
BC07D10F64	2022624	7.5	10	8.00	20.25	18.00	10.44	2.08	11.12	5/8	125	
10 Metric Tons												
BC10D12G52	2022625	10	12	6.50	23.22	20.62	10.94	2.27	13.46	1/2	240	
BC10D12G52	2022626	10	12	6.50	23.22	20.62	10.94	2.27	13.46	9/16	240	
BC10D12G52	2022627	10	12	6.50	23.22	20.62	10.94	2.27	13.46	5/8	240	
BC10D12G52	2022628	10	12	6.50	23.22	20.62	10.94	2.27	13.46	3/4	240	
BC10D12G56	2022629	10	12	7.00	23.22	20.62	10.94	2.27	13.46	1/2	240	
BC10D12G56	2022630	10	12	7.00	23.22	20.62	10.94	2.27	13.46	9/16	240	
BC10D12G56	2022631	10	12	7.00	23.22	20.62	10.94	2.27	13.46	5/8	240	
BC10D12G56	2022632	10	12	7.00	23.22	20.62	10.94	2.27	13.46	3/4	240	
BC10D12G60	2022633	10	12	7.50	23.22	20.62	10.94	2.27	13.46	1/2	240	
BC10D12G60	2022634	10	12	7.50	23.22	20.62	10.94	2.27	13.46	9/16	240	
BC10D12G60	2022635	10	12	7.50	23.22	20.62	10.94	2.27	13.46	5/8	240	
BC10D12G60	2022636	10	12	7.50	23.22	20.62	10.94	2.27	13.46	3/4	240	
BC10D12G64	2022637	10	12	8.00	23.22	20.62	10.94	2.27	13.46	1/2	240	
BC10D12G64	2022638	10	12	8.00	23.22	20.62	10.94	2.27	13.46	9/16	240	
BC10D12G64	2022639	10	12	8.00	23.22	20.62	10.94	2.27	13.46	5/8	240	
BC10D12G64	2022640	10	12	8.00	23.22	20.62	10.94	2.27	13.46	3/4	240	
BC10D12I68	2022657	10	12	8.50	23.22	20.62	12.94	2.27	13.46	1/2	240	
BC10D12I68	2022658	10	12	8.50	23.22	20.62	12.94	2.27	13.46	9/16	240	
BC10D12I68	2022659	10	12	8.50	23.22	20.62	12.94	2.27	13.46	5/8	240	
BC10D12I68	2022660	10	12	8.50	23.22	20.62	12.94	2.27	13.46	3/4	240	
BC10D12I72	2022661	10	12	9.00	23.22	20.62	12.94	2.27	13.46	1/2	240	
BC10D12I72	2022662	10	12	9.00	23.22	20.62	12.94	2.27	13.46	9/16	240	
BC10D12I72	2022663	10	12	9.00	23.22	20.62	12.94	2.27	13.46	5/8	240	
BC10D12I72	2022664	10	12	9.00	23.22	20.62	12.94	2.27	13.46	3/4	240	
BC10D12I76	2022665	10	12	9.50	23.22	20.62	12.94	2.27	13.46	1/2	240	
BC10D12I76	2022666	10	12	9.50	23.22	20.62	12.94	2.27	13.46	9/16	240	
BC10D12I76	2022667	10	12	9.50	23.22	20.62	12.94	2.27	13.46	5/8	240	
BC10D12I76	2022668	10	12	9.50	23.22	20.62	12.94	2.27	13.46	3/4	240	
BC10D12I80	2022669	10	12	10.00	23.22	20.62	12.94	2.27	13.46	1/2	240	
BC10D12I80	2022670	10	12	10.00	23.22	20.62	12.94	2.27	13.46	9/16	240	
BC10D12I80	2022671	10	12	10.00	23.22	20.62	12.94	2.27	13.46	5/8	240	
BC10D12I80	2022672	10	12	10.00	23.22	20.62	12.94	2.27	13.46	3/4	240	
15 Metric Tons												
BC15D12J60	2022673	15	12	7.50	25.38	22.38	11.94	3.02	13.46	1/2	270	
BC15D12J60	2022674	15	12	7.50	25.38	22.38	11.94	3.02	13.46	9/16	270	
BC15D12J60	2022675	15	12	7.50	25.38	22.38	11.94	3.02	13.46	5/8	270	
BC15D12J60	2022676	15	12	7.50	25.38	22.38	11.94	3.02	13.46	3/4	270	
BC15D12J64	2022677	15	12	8.00	25.38	22.38	11.94	3.02	13.46	1/2	270	
BC15D12J64	2022678	15	12	8.00	25.38	22.38	11.94	3.02	13.46	9/16	270	
BC15D12J64	2022679	15	12	8.00	25.38	22.38	11.94	3.02	13.46	5/8	270	
BC15D12J64	2022680	15	12	8.00	25.38	22.38	11.94	3.02	13.46	3/4	270	
BC15D12J68	2022681	15	12	8.50	25.38	22.38	11.94	3.02	13.46	1/2	270	
BC15D12J68	2022682	15	12	8.50	25.38	22.38	11.94	3.02	13.46	9/16	270	
BC15D12J68	2022683	15	12	8.50	25.38	22.38	11.94	3.02	13.46	5/8	270	
BC15D12J68	2022684	15	12	8.50	25.38	22.38	11.94	3.02	13.46	3/4	270	
BC15D12J72	2022685	15	12	9.00	25.38	22.38	11.94	3.02	13.46	1/2	270	
BC15D12J72	2022686	15	12	9.00	25.38	22.38	11.94	3.02	13.46	9/16	270	
BC15D12J72	2022687	15	12	9.00	25.38	22.38	11.94	3.02	13.46	5/8	270	
BC15D12J72	2022688	15	12	9.00	25.38	22.38	11.94	3.02	13.46	3/4	270	
BC15D12L76	2022705	15	12	9.50	25.38	22.38	13.94	3.02	13.46	1/2	270	
BC15D12L76	2022706	15	12	9.50	25.38	22.38	13.94	3.02	13.46	9/16	270	
BC15D12L76	2022707	15	12	9.50	25.38	22.38	13.94	3.02	13.46	5/8	270	
BC15D12L76	2022708	15	12	9.50	25.38	22.38	13.94	3.02	13.46	3/4	270	
BC15D12L80	2022709	15	12	10.00	25.38	22.38	13.94	3.02	13.46	1/2	270	
BC15D12L80	2022710	15	12	10.00	25.38	22.38	13.94	3.02	13.46	9/16	270	
BC15D12L80	2022711	15	12	10.00	25.38	22.38	13.94	3.02	13.46	5/8	270	
BC15D12L80	2022712	15	12	10.00	25.38	22.38	13.94	3.02	13.46	3/4	270	
BC15D12L84	2022713	15	12	10.50	25.38	22.38	13.94	3.02	13.46	1/2	270	
BC15D12L84	2022714	15	12	10.50	25.38	22.38	13.94	3.02	13.46	9/16	270	
BC15D12L84	2022715	15	12	10.50	25.38	22.38	13.94	3.02	13.46	5/8	270	
BC15D12L84	2022716	15	12	10.50	25.38	22.38	13.94	3.02	13.46	3/4	270	
BC15D12L88	2022717	15	12	11.00	25.38	22.38	13.94	3.02	13.46	1/2	270	
BC15D12L88	2022718	15	12	11.00	25.38	22.38	13.94	3.02	13.46	9/16	270	
BC15D12L88	2022719	15	12	11.00	25.38	22.38	13.94	3.02	13.46	5/8	270	
BC15D12L88	2022720	15	12	11.00	25.38	22.38	13.94	3.02	13.46	3/4	270	

* Ultimate Load is 5 times the Working Load Limit.

UB500 Series Top Swiveling Overhaul Balls



All sizes are RFID EQUIPPED

With
S320
Eye HookWith
S1316 A
SHUR-LOC®
Eye Hook

Both styles available with optional McKissick® Wedge Socket Assembly or S-421 TERMINATOR Wedge Socket

UWO 422T
TERMINATOR
Wedge Only

- Sizes 4 Tons through 30 Tons available with Crosby's S1316A "Positive Locking" SHUR-LOC® hook which may be used for lifting personnel. Meets the intent of OSHA Rule 1926.1431(g)(1)(i)(A) and 1926.1501(g)(4)(iv)(B).
- Design Factor 4:1.
- The top swivel design on the UB500 assures the ball remains stationary if the Wireline spins.
- The swivel incorporates a sealed roller thrust bearing together with a grease fitting for easy lubrication.
- Each ball can be equipped with the new McKissick® US-422T

Wedge Socket which can be easily adjusted to fit various sizes of Wireline by changing the wedge (Ensure that correct wedge is used for selected Wireline size).

- All hooks used on UB500 Overhaul Balls (S320, S320N & S1316A) are forged from alloy steel. The S320 and S320N hooks come complete with latches.
- The S320 hook (PL latch) and the S320N hook (S4320 latch), with the proper latch attached, may be used for personnel lifting when secured with proper device (Bolt, nut and pin for the PL latch; Cotter pin for the S4320 latch). Meets the intent of OSHA Rule 1926.1431(g)(1)(i)(A) and 1926.1501(g)(4)(iv)(B).

Overhaul Ball Assembly

Optional US-422T Wedge Sockets

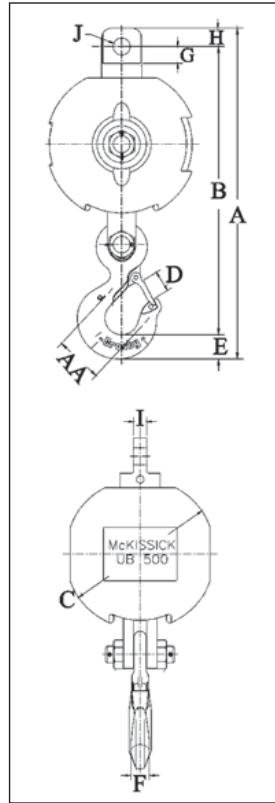
McKissick® UB500 Model No.	UB500 "E" Eye Hook Stock No.	UB500 "S" SHUR-LOC® Stock No.	Working Load Limit (Tons)	Weight Each (lbs.)	Wireline Size (in.)	Model No.	Wedge Socket Assy. Stock No.	Weight Each (lbs.)	Wedge Only Stock No.	Weight Each (lbs.)
MB4T35	1036000*	1036005	4	58	3/8	US4T	1044300	4.6	1047310	0.6
MB4T85	1036009*	1036018	4	102	7/16	US4T	1044309	4.6	1047301	0.6
MB4T150	1036027*	1036032	4	162	1/2	US4T	1044318	4.6	1047329	0.6
MB4T200	1036036*	1036041	4	201	1/2	US5T	1044327	8.5	1047338	1.0
MB7T85	1036045*	1036050	7	109	9/16	US5T	1044336	8.5	1047347	1.0
MB7T150	1036054*	1036063	7	170	5/8	US5T	1044345	8.5	1047356	1.0
MB7T200	1036072*	1036077	7	210	5/8	US6T	1044354	9.4	1047365	1.4
MB7T285	1036081*	1036086	7	321	3/4	US6T	1044363	9.4	1047374	1.4
MB10T150	1036090*	1036095	10	216						
MB10T200	1036099*	1036108	10	260						
MB10T285	1036117*	1036122	10	365	5/8	US6T	1044354	9.4	1047365	2.3
MB10T350	1036126*	1036131	10	403	3/4	US6T	1044363	9.4	1047374	2.4
MB10T650	1036135*	1036140	10	718	7/8	US8T	1044404	20.8	1047425	5.3
MB12T150	1036144*	1036520	12	216	1	US8T	1044417	20.8	1047431	6.0
MB12T200	1036153*	1036529	12	258	1-1/8	US10T	1044426	46.5	1047440	9.6
MB12T285	1036171*	1036538	12	365	1-1/4	US10T	1044435	46.5	1047459	10.5
MB12T350	1036180*	1036547	12	403						
MB12T650	1036189*	1036556	12	718						
MB15T200	1036198*	1036565	15	298						
MB15T350	1036207*	1036574	15	456						
MB15T650	1036216*	1036583	15	753						
MB15T1150	1036225*	1036592	15	1311						
MB20T200	1036234*	1036611	20	298	5/8	US8AT	1044372	17.5	1047383	3.1
MB20T350	1036243*	1036620	20	456	3/4	US8AT	1044381	17.5	1047392	3.4
MB20T650	1036252*	1036629	20	753	7/8	US8T	1044404	20.8	1047425	5.3
MB20T1150	1036261*	1036638	20	1311	1	US8T	1044417	20.8	1047431	6.0
MB25T350	1036270	1036647	25	533	1-1/8	US10T	1044426	46.5	1047440	9.6
MB25T650	1036279	1036656	25	865	1-1/4	US10T	1044435	46.5	1047459	10.5
MB25T1150	1036288	1036665	25	1421						
MB30T650	1036297	1036674	30	865						
MB30T1150	1036306	1036683	30	1421						

* Utilizes Crosby "N" style hooks with integrated latch. Replacement latch kit is S-4320. PL latch and S-4055 latch will not fit. Standard Crosby S-5 Thrust style swivels can not be used with UB500 Overhaul Balls. For replacement swivels, contact Crosby Customer Service.

UB-500 NON SWIVEL OVERHAUL BALLS



All sizes are RFID EQUIPPED.



UB-500E Top Swivel Overhaul Balls with 320 Eye Hooks

Model No.*	UB-500 "E" Stock No.	Dimensions (in.)									
		A	B	C	D	E	F	G	H	I	J
MB4T35*	1036000	20.09	17.27	7.50	1.36	1.44	1.12	1.88	1.38	.88	1.31
MB4T85*	1036009	20.98	18.16	9.25	1.36	1.44	1.12	1.88	1.38	.88	1.31
MB4T150*	1036027	21.98	19.16	11.25	1.36	1.44	1.12	1.88	1.38	.88	1.31
MB4T200*	1036036	22.35	19.53	12.50	1.36	1.44	1.12	1.88	1.38	.88	1.31
MB7T85*	1036045	23.18	20.36	9.25	1.61	1.81	1.38	1.88	1.38	.88	1.31
MB7T150*	1036054	24.56	21.36	11.25	1.61	1.81	1.38	1.88	1.38	.88	1.31
MB7T200*	1036072	24.89	21.71	12.50	1.61	1.81	1.38	1.88	1.38	.88	1.31
MB7T285*	1036081	25.86	22.67	13.88	1.61	1.81	1.38	1.88	1.38	.88	1.31
MB10T150*	1036090	31.44	27.19	11.25	2.08	2.25	1.62	2.75	2.00	1.25	1.78
MB10T200*	1036099	31.81	27.56	12.50	2.08	2.25	1.62	2.75	2.00	1.25	1.78
MB10T285*	1036117	32.75	28.50	13.88	2.08	2.25	1.62	2.75	2.00	1.25	1.78
MB10T350*	1036126	33.31	29.06	15.00	2.08	2.25	1.62	2.75	2.00	1.25	1.78
MB10T650*	1036135	34.79	30.54	17.94	2.08	2.25	1.62	2.75	2.00	1.25	1.78
MB12T150*	1036144	31.44	27.19	11.25	2.08	2.25	1.62	2.75	2.00	1.25	1.78
MB12T200*	1036153	31.81	27.56	12.50	2.08	2.25	1.62	2.75	2.00	1.25	1.78
MB12T285*	1036171	32.75	28.50	13.88	2.08	2.25	1.62	2.75	2.00	1.25	1.78
MB12T350*	1036180	33.31	29.06	15.00	2.08	2.25	1.62	2.75	2.00	1.25	1.78
MB12T650*	1036189	35.79	30.54	17.94	2.08	2.25	1.62	2.75	2.00	1.25	1.78
MB15T200*	1036198	37.59	32.59	12.50	3.02	3.00	2.38	2.38	2.00	1.25	1.78
MB15T350*	1036207	38.81	33.81	15.00	3.02	3.00	2.38	2.38	2.00	1.25	1.78
MB15T650*	1036216	40.22	35.22	17.94	3.02	3.00	2.38	2.38	2.00	1.25	1.78
MB15T1150*	1036225	42.22	37.22	21.62	3.02	3.00	2.38	2.38	2.00	1.25	1.78
MB20T200*	1036234	37.59	32.59	12.50	3.02	3.00	2.38	2.38	2.00	1.25	1.78
MB20T350*	1036243	38.81	33.81	15.00	3.02	3.00	2.38	2.38	2.00	1.25	1.78
MB20T650*	1036252	40.22	35.22	17.94	3.02	3.00	2.38	2.38	2.00	1.25	1.78
MB20T1150*	1036261	42.22	37.22	21.62	3.02	3.00	2.38	2.38	2.00	1.25	1.78
MB25T350	1036270	47.18	40.18	15.00	3.00	3.62	3.00	3.31	2.75	1.75	1.78
MB25T650	1036279	49.12	42.75	17.94	3.00	3.62	3.00	3.31	2.75	1.75	1.78
MB25T1150	1036288	51.06	44.69	21.62	3.00	3.62	3.00	3.31	2.75	1.75	1.78
MB30T650	1036297	49.12	42.75	17.94	3.00	3.62	3.00	3.31	2.75	1.75	1.78
MB30T1150	1036306	51.06	44.69	21.62	3.00	3.62	3.00	3.31	2.75	1.75	1.78

* 4 Ton thru 20 Ton models use Crosby "N" style hooks with integrated latch. All sizes are RFID EQUIPPED.

UB-500S Top Swivel Overhaul Balls with SHUR-LOC® Hooks

Model No.	UB-500 "S" Stock No.	Dimensions (in.)									
		A	B	C	D	E	F	G	H	I	J
MB4T35	1036005	20.66	18.18	7.50	1.83	1.15	.94	1.88	1.38	.88	1.31
MB4T85	1036018	21.55	19.05	9.25	1.83	1.15	.94	1.88	1.38	.88	1.31
MB4T150	1036032	22.55	20.05	11.25	1.83	1.15	.94	1.88	1.38	.88	1.31
MB4T200	1036041	22.92	20.42	12.50	1.83	1.15	.94	1.88	1.38	.88	1.31
MB7T85	1036050	23.90	21.30	9.25	2.11	1.66	1.16	1.88	1.38	.88	1.31
MB7T150	1036063	25.28	22.30	11.25	2.11	1.66	1.16	1.88	1.38	.88	1.31
MB7T200	1036077	25.61	22.65	12.50	2.11	1.66	1.16	1.88	1.38	.88	1.31
MB7T285	1036086	26.58	23.61	13.88	2.11	1.66	1.16	1.88	1.38	.88	1.31
MB10T150	1036095	31.24	27.19	11.25	2.49	2.06	1.50	2.75	2.00	1.25	1.78
MB10T200	1036108	31.61	27.56	12.50	2.49	2.06	1.50	2.75	2.00	1.25	1.78
MB10T285	1036122	32.55	28.50	13.88	2.49	2.06	1.50	2.75	2.00	1.25	1.78
MB10T350	1036131	33.11	29.06	15.00	2.49	2.06	1.50	2.75	2.00	1.25	1.78
MB10T650	1036140	34.59	30.54	17.94	2.49	2.06	1.50	2.75	2.00	1.25	1.78
MB12T150	1036520	33.37	29.15	11.25	3.52	2.22	2.03	2.75	2.00	1.25	1.78
MB12T200	1036529	33.75	29.53	12.50	3.52	2.22	2.03	2.75	2.00	1.25	1.78
MB12T285	1036538	34.68	30.46	13.68	3.52	2.22	2.03	2.75	2.00	1.25	1.78
MB12T350	1036547	35.25	31.03	15.00	3.52	2.22	2.03	2.75	2.00	1.25	1.78
MB12T650	1036556	36.72	32.50	17.94	3.52	2.22	2.03	2.75	2.00	1.25	1.78
MB15T200	1036565	36.67	32.22	12.5	3.83	2.45	2.20	2.38	2.00	1.25	1.78
MB15T350	1036574	37.89	33.44	15.0	3.83	2.45	2.20	2.38	2.00	1.25	1.78
MB15T650	1036583	39.30	34.85	17.94	3.83	2.45	2.20	2.38	2.00	1.25	1.78
MB15T1150	1036592	41.30	36.85	21.63	3.83	2.45	2.20	2.38	2.00	1.25	1.78
MB20T200	1036611	36.67	32.33	12.50	3.83	2.45	2.20	2.38	2.00	1.25	1.78
MB20T350	1036620	37.89	33.44	15.0	3.83	2.45	2.20	2.38	2.00	1.25	1.78
MB20T650	1036629	39.30	34.85	17.94	3.83	2.45	2.20	2.38	2.00	1.25	1.78
MB20T1150	1036638	41.30	36.85	21.63	3.83	2.45	2.20	2.38	2.00	1.25	1.78
MB25T350	1036647	46.17	40.21	15.00	4.09	3.21	2.68	3.50	2.75	1.75	1.78
MB25T650	1036656	48.11	42.15	17.94	4.09	3.21	2.68	3.50	2.75	1.75	1.78
MB25T1150	1036665	50.04	44.08	21.63	4.09	3.21	2.68	3.50	2.75	1.75	1.78
MB30T650	1036674	48.11	42.15	17.94	4.09	3.21	2.68	3.50	2.75	1.75	1.78
MB30T1150	1036683	50.04	44.08	21.63	4.09	3.21	2.68	3.50	2.75	1.75	1.78

All sizes are RFID EQUIPPED.

UB500 Series Non Swiveling Overhaul Balls



All sizes are RFID EQUIPPED



Key to McKissick® UB500 Utility Overhaul Ball Model Number				
MB	4	T	35	E
McKissick® Utility Overhead Ball	Working Load Limit (Tons)	Swivel Style T = Top NS = Non	Ball Only Weight	Hook Style E = 320 or 320N S = SHUR-LOC® Eye Hook



- Sizes 4 Tons through 15 Tons available with Crosby's S1316A "Positive Locking" SHUR-LOC® hook which may be used for lifting personnel. Meets the intent of OSHA Rule 1926.1431(g)(1)(i)(A) and 1926.1501(g)(4)(iv)(B).
- Design Factor 4:1.
- Each ball can be equipped with the new McKissick® US-422T Wedge Socket which can be easily adjusted to fit various sizes of Wireline by changing the wedge (Ensure that correct wedge is used for selected Wireline size).
- All hooks used on UB500 Overhaul Balls (S320, S320N & S1316A) are forged from alloy steel. The S320 and S320N hooks come complete with latches.
- The S320 hook (PL latch) and the S320N hook (S4320 latch), with the proper latch attached, may be used for personnel lifting when secured with proper device (Bolt, nut and pin for the PL latch; Cotter pin for the S4320 latch). Meets the intent of OSHA Rule 1926.1431(g)(1)(i)(A) and 1926.1501(g)(4)(iv)(B).

Overhaul Ball Assembly

Optional US-422T Wedge Sockets

McKissick® UB500 Model No.	UB500 "E" Eye Hook Stock No.	UB500 "S" SHUR-LOC® Stock No.	Working Load Limit (Tons)	Weight Each (lbs.)	Wireline Size (in.)	Model No.	Wedge Socket Assy. Stock No.	Weight Each (lbs.)	Wedge Only Stock No.	Weight Each (lbs.)
MB4NS35	1036402*	1036407	4	54	3/8	US4T	1044300	4.6	1047310	0.6
MB4NS85	1036411*	1036416	4	98	7/16	US4T	1044309	4.6	1047301	0.6
MB4NS150	1036420*	1036425	4	158	1/2	US4T	1044318	4.6	1047329	0.6
MB4NS200	1036429*	1036434	4	200	1/2	US5T	1044327	8.5	1047338	1.0
MS7NS85	1036438*	1036443	7	104	9/16	US5T	1044336	8.5	1047347	1.0
MB7NS150	1036447*	1036452	7	165	5/8	US5T	1044345	8.5	1047356	1.0
MB7NS200	1036456*	1036461	7	205	5/8	US6T	1044354	9.4	1047365	1.4
MB7NS285	1036465*	1036470	7	316	3/4	US6T	1044363	9.4	1047374	1.4
MB10NS150	1036474*	1036479	10	198	5/8	US6T	1044354	9.4	1047365	1.4
MB10NS200	1036483*	1036488	10	242	3/4	US6T	1044363	9.4	1047374	1.4
MB10NS285	1036492*	1036497	10	347	7/8	US8T	1044404	20.8	1047425	7.6
MB10NS350	1036501*	1036506	10	385	1	US8T	1044417	20.8	1047431	8.6
MB10NS650	1036510*	1036511	10	700	1-1/8	US10T	1044426	46.5	1047440	12.5
MB12NS150	1036519*	—	12	198	1-1/4	US10T	1044435	46.5	1047459	15.0
MB12NS200	1036528*	—	12	240						
MB12NS285	1036537*	—	12	347						
MB12NS350	1036546*	—	12	385						
MB12NS650	1036555*	—	12	700						
MB15NS200	1036564*	—	15	267	5/8	US8AT	1044372	17.5	1047383	4.3
MB15NS350	1036573*	—	15	425	3/4	US8AT	1044381	17.5	1047392	4.8
MB15NS650	1036582*	—	15	722	7/8	US8T	1044404	20.8	1047425	7.6
MB15NS1150	1036591*	—	15	1280	1	US8T	1044417	20.8	1047431	8.6
					1-1/8	US10T	1044426	46.5	1047440	12.5
					1-1/4	US10T	1044435	46.5	1047459	15.0

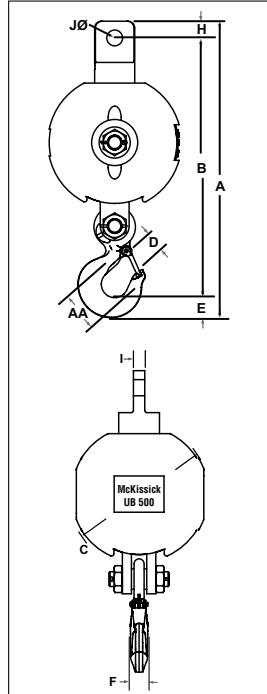
* Utilizes Crosby "N" style hooks with integrated latch. Replacement latch kit is S-4320. PL latch and S-4055 latch will not fit.



UB-500 NON SWIVEL OVERHAUL BALLS

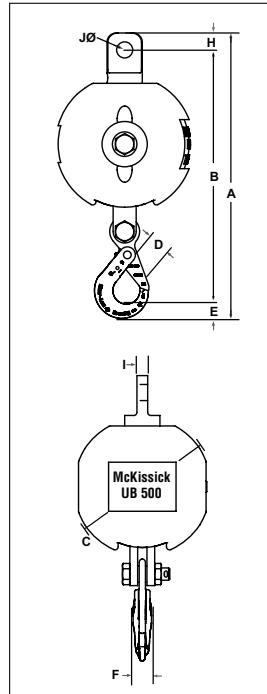


All sizes are RFID EQUIPPED.



UB-500NS Non Swivel Overhaul Balls with 320N Eye Hooks

Model No.	UB-500 "E" Stock No.	Dimensions (in.)									
		A	B	C	D	E	F	H	I	J	AA
MB4NS35	1036402	20.09	17.27	7.5	1.36	1.44	1.12	1.38	0.75	1.31	2.5
MB4NS85	1036411	20.98	18.16	9.25	1.36	1.44	1.12	1.38	0.75	1.31	2.5
MB4NS150	1036420	21.98	19.16	11.25	1.36	1.44	1.12	1.38	0.75	1.31	2.5
MB4NS200	1036429	22.35	19.53	12.5	1.36	1.44	1.12	1.38	0.75	1.31	2.5
MB7NS85	1036438	23.18	20.36	9.25	1.61	1.81	1.38	1.38	0.75	1.31	3.0
MB7NS150	1036447	24.56	21.36	11.25	1.61	1.81	1.38	1.38	0.75	1.31	3.0
MB7NS200	1036456	24.89	21.71	12.5	1.61	1.81	1.38	1.38	0.75	1.31	3.0
MB7NS285	1036465	25.86	22.67	13.88	1.61	1.81	1.38	1.38	0.75	1.31	3.0
MB10NS150	1036474	31.44	27.19	11.25	2.08	2.25	1.62	2.00	1.25	1.78	4.0
MB10NS200	1036483	31.81	27.56	12.5	2.08	2.25	1.62	2.00	1.25	1.78	4.0
MB10NS285	1036492	32.75	28.5	13.88	2.08	2.25	1.62	2.00	1.25	1.78	4.0
MB10NS350	1036501	33.31	29.06	15.00	2.08	2.25	1.62	2.00	1.25	1.78	4.0
MB10NS650	1036510	34.79	30.54	17.94	2.08	2.25	1.62	2.00	1.25	1.78	4.0
MB12NS150	1036519	31.44	27.19	11.25	2.08	2.25	1.62	2.00	1.25	1.78	4.0
MB12NS200	1036528	31.81	27.56	12.5	2.08	2.25	1.62	2.00	1.25	1.78	4.0
MB12NS285	1036537	32.75	28.5	13.88	2.08	2.25	1.62	2.00	1.25	1.78	4.0
MB12NS350	1036546	33.31	29.06	15.00	2.08	2.25	1.62	2.00	1.25	1.78	4.0
MB12NS650	1036555	35.79	30.54	17.94	2.08	2.25	1.62	2.00	1.25	1.78	4.0
MB15NS200	1036564	37.59	32.59	12.5	3.02	3.00	2.38	2.00	1.25	1.78	5.0
MB15NS350	1036573	38.81	33.81	15.00	3.02	3.00	2.38	2.00	1.25	1.78	5.0
MB15NS650	1036582	40.22	35.22	17.94	3.02	3.00	2.38	2.00	1.25	1.78	5.0
MB15NS1150	1036591	42.22	37.22	21.62	3.02	3.00	2.38	2.00	1.25	1.78	5.0



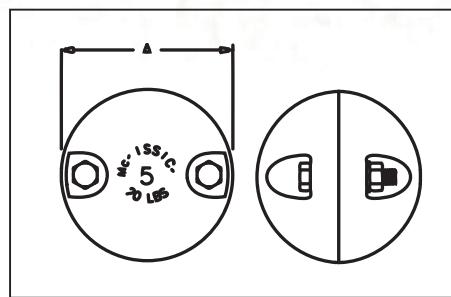
UB-500NS Non Swivel Overhaul Balls with SHUR-LOC® Hooks

Model No.	UB-500 "S" Stock No.	Dimensions (in.)									
		A	B	C	D	E	F	H	I	J	
MB4NS35	1036407	20.66	18.18	7.5	1.83	1.15	0.94	1.38	0.75	1.31	
MB4NS85	1036416	21.55	19.05	9.25	1.83	1.15	0.94	1.38	0.75	1.31	
MB4NS150	1036425	22.55	20.05	11.25	1.83	1.15	0.94	1.38	0.75	1.31	
MB4NS200	1036434	22.92	20.42	12.5	1.83	1.15	0.94	1.38	0.75	1.31	
MB7NS85	1036443	23.9	21.3	9.25	2.11	1.66	1.16	1.38	0.75	1.31	
MB7NS150	1036452	25.28	22.3	11.25	2.11	1.66	1.16	1.38	0.75	1.31	
MB7NS200	1036461	25.61	22.65	12.5	2.11	1.66	1.16	1.38	0.75	1.31	
MB7NS285	1036470	26.58	23.61	13.88	2.11	1.66	1.16	1.38	0.75	1.31	
MB10NS150	1036479	31.24	27.19	11.25	2.49	2.06	1.5	2.00	1.25	1.78	
MB10NS200	1036488	31.61	27.56	12.5	2.49	2.06	1.5	2.00	1.25	1.78	
MB10NS285	1036497	32.55	28.5	13.88	2.49	2.06	1.5	2.00	1.25	1.78	
MB10NS350	1036506	33.11	29.06	15.00	2.49	2.06	1.5	2.00	1.25	1.78	
MB10NS650	1036511	34.59	30.54	17.94	2.49	2.06	1.5	2.00	1.25	1.78	



**Split
Overhaul
Ball**

- Attaches easily to Wireline.



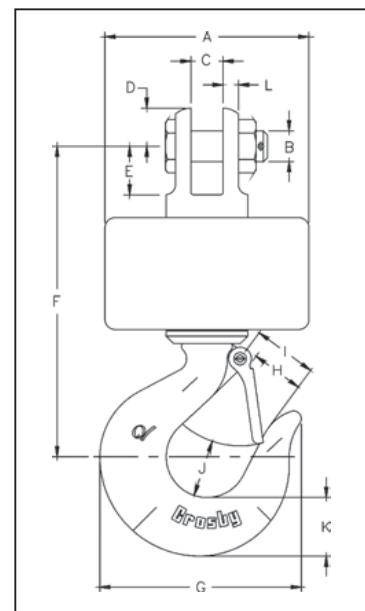
Split Overhaul Ball

Catalog No.	Stock No.	Wireline Size (in.)	Weight Each (lbs.)	Belt Diameter A (in.)
SHB - 15	2003822	1 4/5-16	15	5.06
SHB - 20	2003830	3/8	20	5.38
SHB - 50	2003831	1/2 - 5/8	50	7.12
SHB - 100	2003832	5/8 - 3/4 - 7/8	100	9.19



**AS-15
Overhaul
Ball**

- Utilize genuine Crosby hooks which are forged alloy steel, Quenched and Tempered and contain the patented QUIC-CHECK® marking.
- Entire overhaul ball is zinc plated to resist corrosion.
- Designed with angular contact bearings which maximize efficiency, reliability and service life of swivel and extend the life of the Wireline.
- Available with wide jaw opening that utilizes nylon spools and shields.
- Designed for applications where headroom is critical.
- Other upper fittings available upon request.



Angular Contact Bearing Swivel Overhaul Balls

AS-15 Stock No.	Working Load Limit (Tons)*	Wireline Size (in.)	Dimensions (in.)												Weight Each (lbs.)
			A	B	C	D	E	F	G	H	I	J	K	L	
2009806	1.5	.38	4.00	.50	.50	.69	.78	6.28	4.09	1.12	1.22	1.19	1.12	.31	9
2009807	3.0	.50	5.00	.75	.75	.94	1.19	8.56	4.94	1.34	1.50	1.38	1.44	.38	19
2003969	5.0	.62	6.88	.88	1.06	1.12	1.56	10.81	6.50	1.69	1.88	1.75	1.81	.56	43
2009808	8.5	.75	7.00	1.19	1.56	1.34	2.09	13.75	8.69	2.25	2.50	2.56	2.59	.53	60

* Ultimate Load is 5 times the Working Load Limit.

McKissick® Overhaul Balls



UB-550E
Overhaul
Ball

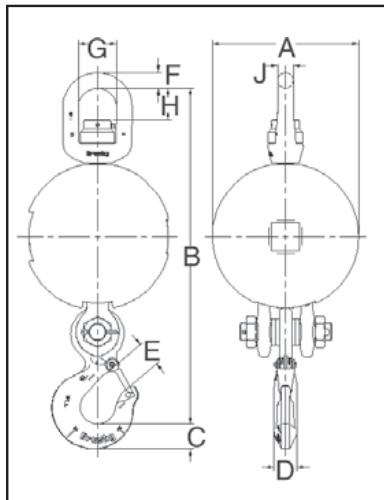
Top Swivel Design assures that the ball remains stationary if the wireline spins.

Available in a variety of configurations:

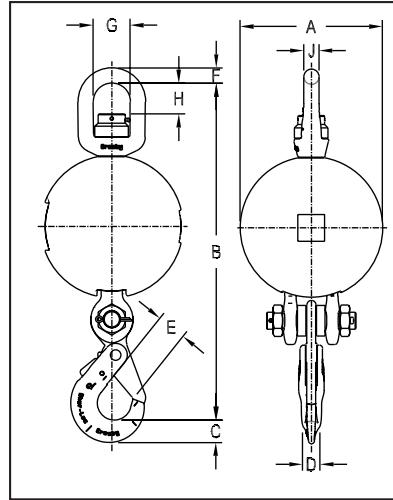
- 4 & 7 Ton capacities
- 85, 150 & 200 lb. weights (ball only)
- Crosby S-320AN Eye Hook or S-1316 SHUR-LOC® Hooks.
- Utilize genuine forged Crosby hooks, bail and connector.
- Quenched and Tempered
- Both styles of hooks incorporate patented QUIC-CHECK® markings forged into the product which address two QUIC-CHECK® features:
 - Deformation Indicators and Angle Indicators.
 - Easy disassembly for periodic inspection and maintenance.
- Design factor of 4:1.
- All sizes are **RFID EQUIPPED**.



UB-550S
Overhaul
Ball



All sizes are **RFID EQUIPPED**



UB-550E Top Swivel Overhaul Balls with Crosby Eye Hook

UB-500E Stock No.	Model No.	Working Load Limit (Tons)*	Weight Each (lbs.)	Dimensions (in.)								
				A	B	C	D	E	F	G	H	J
1036621	MB04BT085E	4	113	8.88	21.00	1.44	1.31	1.36	1.12	2.75	2.28	1.12
1036649	MB04BT150E	4	178	10.56	22.72	1.44	1.31	1.36	1.12	2.75	2.28	1.12
1036667	MB04BT200E	4	232	11.62	23.72	1.44	1.31	1.36	1.12	2.75	2.28	1.12
1036685	MB07BT085E	7	113	8.88	22.48	1.81	1.66	1.61	1.12	2.75	2.28	1.12
1036705	MB07BT150E	7	178	10.56	24.20	1.81	1.66	1.61	1.12	2.75	2.28	1.12
1036723	MB07BT200E	7	232	11.62	25.20	1.81	1.66	1.61	1.12	2.75	2.28	1.12

UB-550S Top Swivel Overhaul Balls with SHUR-LOC® Eye Hook

UB-500S Stock No.	Model No.	Working Load Limit (Tons)*	Weight Each (lbs.)	Dimensions (in.)								
				A	B	C	D	E	F	G	H	J
1036630	MB04BT085S	4	113	8.88	23.32	1.67	1.16	2.11	1.12	2.75	2.28	1.12
1036658	MB04BT150S	4	178	10.56	25.04	1.67	1.16	2.11	1.12	2.75	2.28	1.12
1036676	MB04BT200S	4	232	11.62	26.04	1.67	1.16	2.11	1.12	2.75	2.28	1.12
1036694	MB07BT085S	7	113	8.88	23.32	1.67	1.16	2.11	1.12	2.75	2.28	1.12
1036714	MB07BT150S	7	178	10.56	25.04	1.67	1.16	2.11	1.12	2.75	2.28	1.12
1036732	MB07BT200S	7	232	11.62	26.04	1.67	1.16	2.11	1.12	2.75	2.28	1.12



Your Total Block Company

From a 2 ton capacity snatch Block to a 6000 metric ton capacity crane Block, McKissick® can make a block to fit your lifting needs. In the lifting tackle industry, the name McKissick has stood for quality for almost 80 years.



McKissick's major involvement in the block business came after 1925. At that time, laws were passed requiring safety guards on the WireLine entrance to oilfield blocks. It was McKissick that developed and patented a WireLine guard that could be opened to allow the reeving of the block without disassembly.

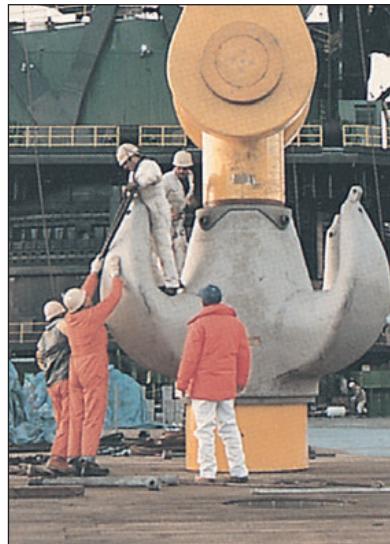
Through product diversification, and 100 patents later, McKissick manufactures blocks and sheaves for many market uses including construction, industrial, military, energy and marine applications. From the many "off the shelf" items, to the non-standard "Special Engineered" block and tackle systems, McKissick prides itself on meeting your lifting needs.

McKissick, a part of The Crosby Group LLC since 1959, is not only one of the world's largest producers of blocks, they also manufacture the world's largest block and tackle systems. Notable examples of custom blocks manufactured by McKissick include those used to set the NASA space shuttle on the back of the 747 carrier jet.

The largest and most impressive example of McKissick's capabilities is the M-5000 block (6000 metric ton capacity) for McDermott's DB-102 derrick barge.

McKissick is an ISO 9001 certified facility. That, in addition to being an API Q1 producer, reinforced McKissick's, as well as Crosby's, commitment to continued quality.

McKissick® products, another reason to say:



*"When buying Crosby you're buying more than product,
you're buying Quality."*



Licensed Under
API Spec 8C-0021



Crosby®

www.thecrosbygroup.com
crosbygroup@thecrosbygroup.com

NEW IMPROVED LIGHT CHAMPION



418
With
Hook



419
With
Shackle



404
Tail
Board

- Forged alloy heat treated hooks.
- Forged steel swivel tees, yokes and shackles.
- Hook and shackle assemblies on 4-1/2" through 14" sizes can be interchanged.
- Can be furnished with bronze bushings or roller bearings.
- Opening feature permits insertion of rope while block is suspended from gin-pole.
- 3" thru 18" 418 and 419 blocks have exclusive bolt-retaining spring to assure no lost bolts.
- Can be furnished with S-4320 hook latch.

- Pressure lube fittings.
- 3" - 10" feature dual rated Wireline sheaves.
- Fatigue rated.
- 4-1/2" and larger are **RFID EQUIPPED**.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these blocks meet other critical performance requirements including fatigue life and material traceability, not addressed by ASME B30.26.

Fatigue Rated™



**SEE APPLICATION AND
WARNING INFORMATION**
On Pages 381-388
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418 / 419 / 404 Snatch Blocks

Sheave Diameter (in.)	Bearing Code	Stock No.			Wire Rope Size (in.) ‡	Working Load Limit (t)*	Weight Each (lbs.)			Rep. Sheave Stock No.	Rep. Latch Stock No.
		418 with Hook	419 with Shackle	404 Tail Board			418 with Hook	419 with Shackle	404 Tail Board		
** 3	BB	-	109091	-	5/16 - 3/8	2	-	4	-	460147	-
** 3	BB	108038	109037 †	102016	5/16 - 3/8	2	5	4	3	460147	1096421
**4-1/2	BB	108065	109064	102025	3/8 - 1/2	4	12	12	7	2000232	1096468
6	BB	108127	109126	102098	5/8 - 3/4	8	27	28	15	460815	1096562
6	RB	108154	109153	102114	5/8 - 3/4	8	27	28	15	472688	1096562
8	BB	108225	109224	102169	5/8 - 3/4	8	33	34	21	461164	1096562
8	RB	108252	109251	102187	5/8 - 3/4	8	33	34	21	473277	1096562
10	BB	108323	109322	102230	5/8 - 3/4	8	41	42	29	461805	1096562
10	RB	108350	109359	102258	5/8 - 3/4	8	41	42	29	473776	1096562
12	BB	169169	202961	178890	5/8	8	48	49	36	462270	1096562
12	RB	199911	169347	178934	5/8	8	48	49	36	474141	1096562
12	BB	108421	109420	102301	3/4	8	48	49	36	462289	1096562
12	RB	108458	109457	102329	3/4	8	48	49	36	474150	1096562
14	BB	194920	169356	-	5/8	8	55	56	-	463625	1096562
14	RB	199948	167857	-	5/8	8	55	56	-	474766	1096562
14	BB	108528	109527	-	3/4	8	55	56	-	463634	1096562
14	RB	108546	109545	-	3/4	8	55	56	-	474775	1096562
16	BB	199975	203041	-	3/4	15	130	135	-	4100056	1096609
16	RB	200008	203087	-	3/4	15	130	135	-	4200028	1096609
16	BB	108608	109607	-	7/8	15	130	135	-	4100065	1096609
16	RB	108626	109625	-	7/8	15	130	135	-	4200037	1096609
18	BB	200099	203130	-	7/8	15	150	155	-	464571	1096609
18	RB	200151	203176	-	7/8	15	150	155	-	475792	1096609
18	BB	108644	109643	-	1	15	150	155	-	4104640	1096609
18	RB	108662	109661	-	1	15	150	155	-	6000000	1096609

* Ultimate Load is 4 times the Working Load Limit. ** Available in Bronze Bushed only. 3" and 4-1/2" have self lubricating Bronze Bushing. † Fitted with 1-1/4" ID Swivel Eye. ‡ May be furnished in other rope sizes.



NOTE: When ordering, please specify: size, block number, hook or shackle, bronze bushed or roller bearing, and Wireline size.
NOTE: Tail Board does not contain the spool that is required with the hook (418) and shackle (419) snatch blocks.

CHAMPION

420
With
Hook421
With
Shackle406
Tail
Board

- Hooks and side plates are forged alloy steel and heat treated.
- Shackles and yokes are forged and heat treated steel.
- All parts are forged.
- Side plates are designed to eliminate possibility of rope jamming.
- Can be furnished with bronze bushings or sealed roller bearings.
- Opening feature permits insertion of rope while block is suspended from gin-pole.
- Can be furnished with S-4320 hook latch.
- Pressure lube fittings.
- Hook and shackle assemblies can be interchanged.
- Blocks furnished with dual rated Wireline sheaves.
- Fatigue Rated.
- All sizes are **RFID EQUIPPED**.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these blocks meet other critical performance requirements including fatigue life and material traceability, not addressed by ASME B30.26.

Fatigue Rated™

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420 / 421 / 406 Snatch Blocks

Sheave Diameter (in.)	Bearing Code	Stock No.			Wireline Size (in.) †	Working Load Limit (t)*	Weight Each (lbs.)			Rep. Sheave Stock No.	Rep. Latch Stock No.
		420 with Hook	421 with Shackle	406 Tail Board			420 with Hook	421 with Shackle	406 Tail Board		
6	BB	169374	169481	167973	3/4 - 7/8	12	40	48	24	460940	1096609
6	RB	169392	204120	167982	3/4 - 7/8	12	40	48	24	473035	1096609
8	BB	169418	169515	167991	3/4 - 7/8	15	51	57	30	461360	1096609
8	RB	169445	204193	168008	3/4 - 7/8	15	51	57	30	473534	1096609
10	BB	110221	110720	103186	3/4 - 7/8	15	63	69	42	462001	1096609
10	RB	110258	110757	103202	3/4 - 7/8	15	63	69	42	474025	1096609

* Ultimate Load is 4 times the Working Load Limit. † May be furnished in other rope sizes.



NOTE: When ordering, please specify: size, block number, hook or shackle, bronze bushed or roller bearing, and Wireline size.
NOTE: Tail Board does not contain the spool that is required with the hook (420) and shackle (421) snatch blocks.



SUPER CHAMPION



430
With
Hook



431
With
Shackle



407
Tail
Board

- Drop forged, heat treated swivel hook or swivel shackle.
- Hook and shackle assemblies on 8" through 14" sizes can be interchanged.
- Can be furnished with bronze bushings or roller bearings.
- Pressure lube fittings.
- 430 and 431 blocks have exclusive bolt-retaining spring to assure no lost bolts.
- Can be furnished with hook latch.
- 8" and 10" models furnished with dual rated Wireline sheaves.
- Fatigue Rated.
- All sizes are **RFID EQUIPPED**.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these blocks meet other critical performance requirements including fatigue life and material traceability, not addressed by ASME B30.26.

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430 / 431 / 407 Snatch Blocks

Sheave Diameter (in.)	Bearing Code	Stock No.			Wireline Size (in.)	Working Load Limit (t)*	Weight Each (lbs.)			Rep. Sheave Stock No.	Rep. Latch Stock No.
		430 with Hook	431 with Shackle	407 Tail Board			430 with Hook	431 with Shackle	407 Tail Board		
8	BB	120023	121022	103523	1 - 1-1/8	20	75	87	42	461440	1096657
8	RB	120041	121040	103541	1 - 1-1/8	20	75	87	42	473614	1096657
10	BB	120096	121095	103603	1 - 1-1/8	20	89	101	55	462083	1096657
10	RB	120112	121111	103621	1 - 1-1/8	20	89	101	55	474105	1096657
12	BB	208536	169917	184375	1	20	103	115	70	462680	1096657
12	RB	208554	209303	184393	1	20	103	115	70	474524	1096657
12	BB	120176	121175	103685	1-1/8	20	103	115	70	462699	1096657
12	RB	120194	121193	103701	1-1/8	20	103	115	70	474533	1096657
14	BB	208572	209321	184419	1	20	123	135	90	463457	1096657
14	RB	208590	170424	184437	1	20	123	135	90	475024	1096657
14	BB	120256	121255	103765	1-1/8	20	123	135	90	463466	1096657
14	RB	120274	121273	103783	1-1/8	20	123	135	90	475033	1096657
18	BB	208689	209410	184552	1	25	240	260	165	4100298	1090143
18	RB	208732	209465	184605	1	25	240	260	165	4200331	1090143
18	BB	119482	119561	119641	1-1/8	25	240	260	165	4103348	1090143
18	RB	119491	119570	119650	1-1/8	25	240	260	165	4200322	1090143
20	BB	208750	209483	184623	1-1/8	30	375	400	215	4103936	1090189
20	RB	208787	169864	184650	1-1/8	30	375	400	215	4200769	1090189
20	BB	119507	119589	119669	1-1/4	30	375	400	215	4103945	1090189
20	RB	119516	119598	119678	1-1/4	30	375	400	215	4200778	1090189
24	BB	208812	209526	184687	1-1/8	30	450	475	290	4104114	1090189
24	RB	208858	209553	184721	1-1/8	30	450	475	290	4200983	1090189
24	BB	119525	119605	119687	1-1/4	30	450	475	290	4104123	1090189
24	RB	119534	119614	119696	1-1/4	30	450	475	290	4200992	1090189

* Ultimate Load is 4 times the Working Load Limit. † May be furnished in other rope sizes.



NOTE: When ordering, please specify: size, block number, hook or shackle, bronze bushed or roller bearing, and Wireline size. **NOTE:** Tail Board does not contain the spool that is required with the hook (420) and shackle (421) snatch blocks. Contact our Block Hotline (1-800-727-1555) for blocks up to 350 Tons or reference the special request form on page 461.

LIGHT & SUPER CHAMPION DOUBLE SHEAVE

408 & 432
With Hook

- Light champion snatch block as a double sheave block.
- Drop forged swivel hook or swivel shackle.
- Can be furnished with bronze bushings or roller bearings.
- Opening feature permits easy insertion of Wireline in both sheaves with removal of one bolt.
- 408 and 409 can be furnished with S-4320 hook latch.
- 432 and 433 can be furnished with SS-4055 hook latch.
- Pressure lube fittings.
- 4-1/2" - 10" models furnished with dual rated Wireline sheaves.
- Fatigue Rated.
- All sizes are **RFID EQUIPPED**.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these blocks meet other critical performance requirements including fatigue life and material traceability, not addressed by ASME B30.26.

409 & 433
With Shackle**Fatigue Rated™**

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408 / 409 Light Champion Double Sheave

Sheave Diameter (in.)	Bearing Code	Stock No.		Wireline Size (in.) ‡	Working Load Limit (t)*	Weight Each (lbs.)		Rep. Sheave Stock No.	Rep. Latch Stock No.
		408 with Hook	409 with Shackle			408 with Hook	409 with Shackle		
† 4-1/2	BB	104023	105022	3/8 - 1/2	4	18	18	2000232	1096468
6	BB	104103	105102	5/8 - 3/4	12	45	50	460815	1096609
6	RB	104121	105120	5/8 - 3/4	12	45	50	472688	1096609
8	BB	104185	105184	5/8 - 3/4	12	53	58	461164	1096609
8	RB	104201	105200	5/8 - 3/4	12	53	58	473277	1096609
10	BB	104265	105264	5/8 - 3/4	12	70	75	461805	1096609
10	RB	104283	105282	5/8 - 3/4	12	70	75	473776	1096609
12	BB	194578	195185	5/8	12	90	95	462270	1096609
12	RB	168044	195229	5/8	12	90	95	474141	1096609
12	BB	104345	105344	3/4	12	90	95	462289	1096609
12	RB	104363	105362	3/4	12	90	95	474150	1096609
14	BB	194621	195247	5/8	12	100	105	463625	1096609
14	RB	194649	195265	5/8	12	100	105	474766	1096609
14	BB	104425	105424	3/4	12	100	105	463634	1096609
14	RB	104443	105442	3/4	12	100	105	474775	1096609

* Ultimate Load is 4 times the Working Load Limit. † Available in Bronze Bushed only. ‡ May be furnished in other Wireline sizes.

432 / 433 Super Champion Double Sheave

Sheave Diameter (in.)	Bearing Code	Stock No.		Wireline Size (in.) ‡	Working Load Limit (t)*	Weight Each (lbs.)		Sheave Diameter (in.)	Bearing Code	Stock No.		Wireline Size (in.) ‡	Working Load Limit (t)*	Weight Each (lbs.)	
		432 with Hook	433 with Shackle			432 with Hook	433 with Shackle			432 with Hook	433 with Shackle			432 with Hook	433 with Shackle
8	BB	209624	209811	1	20	105	117	12	BB	209722	209919	1	20	140	152
8	RB	209642	209839					RB	209740	209937					
8	BB	122021	123020	1 1/8	20	105	117	12	BB	122021	123173	1 1/8	20	140	152
8	RB	122049	123048					RB	122049	123191					
10	BB	209660	209857	1	20	122	134	14	BB	209660	209955	1	20	190	202
10	RB	209697	209884					RB	209697	209973					
10	BB	122094	123093	1 1/8	20	122	134	14	BB	122094	123253	1 1/8	20	190	202
10	RB	122110	123119					RB	122110	123271					

* Ultimate Load is 4 times the Working Load Limit. † Available in Bronze Bushed only. ‡ May be furnished in other Wireline sizes.



NOTE: When ordering, please specify: size, block number, hook or shackle, bronze bushed or roller bearing, and Wireline size.



ALL ALLOY SNATCH BLOCKS



416
With
Hook



417
With
Shackle



402
Tail
Board

- Entire block made from heat treated alloy steel. Use of heat treated alloy results in a 40% reduction in weight from blocks of comparable capacities.
- Available with a bronze bushed or roller bearing sheaves.
- Easy opening feature of "Champion" blocks retained.
- Hook and shackle assemblies can be interchanged.
- Pressure lube fittings.
- Can be furnished with S-4320 hook latch.
- Blocks furnished with dual rated Wireline sheaves.
- Fatigue Rated.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these blocks meet other critical performance requirements including fatigue life and material traceability, not addressed by ASME B30.26.
- All sizes are **RFID EQUIPPED**.

Fatigue Rated™



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416 / 417 / 402 Alloy Snatch Blocks

Sheave Diameter (in.)	Bearing Code	Stock No.			Wireline Size (in.) †	Working Load Limit (t)*	Weight Each (lbs.)			Rep. Sheave Stock No.	Rep. Latch Stock No.
		416 with Hook	417 with Shackle	402 Tail Board			416 with Hook	417 with Shackle	402 Tail Board		
6	BB	193427	168972	179238	3/4 - 7/8	12	26	27	15	460824	1096609
6	RB	193472	193757	179283	3/4 - 7/8	12	26	27	15	472679	1096609
8	BB	193490	168990	179318	3/4 - 7/8	12	33	34	21	461173	1096609
8	RB	193542	193819	179363	3/4 - 7/8	12	33	34	21	473286	1096609
10	BB	193613	193882	179434	3/4 - 7/8	12	41	42	29	461814	1096609
10	RB	193677	193935	179498	3/4 - 7/8	12	41	42	29	473785	1096609

* Ultimate Load is 4 times the Working Load Limit. † May be furnished in other Wireline sizes.



NOTE: When ordering, please specify: size, block number, hook or shackle, bronze bushed or roller bearing, and Wireline size.
NOTE: Tail Board does not contain the spool that is required with the hook (416) and shackle (417) snatch blocks.

ALL ALLOY HIGH CAPACITY SNATCH BLOCKS

434
With
Hook435
With
Shackle401
Tail
Board

- Entire block made from heat treated alloy steel. Use of heat treated alloy results in a 40% reduction in weight from blocks of comparable capacities.
- Available with bronze bushed sheaves.
- Easy opening feature of "Champion" blocks retained.
- Pressure lube fittings.
- Can be furnished with hook latch.
- Fatigue Rated.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these blocks meet other critical performance requirements including fatigue life and material traceability, not addressed by ASME B30.26.
- All sizes are **RFID EQUIPPED**.

Fatigue Rated®

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434 / 435 / 401 Snatch Blocks

Sheave Diameter (in.)	Bearing Code	Stock No.			Wire Rope Size (in.) ‡	Working Load Limit (t)*	Weight Each (lbs.)		
		434 with Hook	435 with Shackle	401 Tail Board			434 with Hook	435 with Shackle	401 Tail Board
8	BB	208894	168295	179149	1	25	90	102	50
8	BB	302522	302568	302602	1-1/8	25	90	102	50
10	BB	208901	208956	179158	1	25	107	118	65
10	BB	208910	208965	179167	1-1/4	25	107	118	65
10	BB	302531	302577	302611	1-1/8	25	107	118	65
12	BB	208929	208974	179176	1	30	165	182	95
12	BB	302540	302586	302620	1-1/8	30	165	182	95
14	BB	208938	208983	179185	1	30	180	198	110
14	BB	302559	302595	302639	1-1/8	30	180	198	110
12	BB	—	8027291	8027292	1-1/8	60	—	315	160

* Ultimate Load is 4 times the Working Load Limit. ‡ May be furnished in other Wireline sizes.



NOTE: When ordering, please specify: size, block number, hook or shackle, bronze bushed or roller bearing, and Wireline size.
NOTE: Tail Board does not contain the spool that is required with the hook (434) and shackle (435) snatch blocks.

For custom orders contact our Block Hotline (1-800-727-1555) or reference the special request form on page 461.



HEAVY DUTY SNATCH BLOCKS



L-5-H



L-5-S



L-5-T

- Hook is Forged Alloy Steel – Quenched and Tempered.
- Shackle is Forged Alloy Steel – Quenched and Tempered.
- Designed for fast, efficient line changes.
- All parts are forged.
- Beaded side plate prevents rope from jamming.
- Available with hook, shackle or tail board (pin only).
- Can be furnished with hook latch.
- Blocks furnished with dual rated Wireline sheaves.
- Fatigue Rated.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these blocks meet other critical performance requirements including fatigue life and material traceability, not addressed by ASME B30.26.



Fatigue Rated



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L-160 Series Heavy Duty Snatch Blocks

Block No.	Bearing Code	L-160 Stock No.	Fitting	Sheave Diam. (in.)	Working Load Limit (t)*	Wireline Size (in.)	Weight Each (lbs.)	Rep Sheave Stock No.	Rep. Latch Stock No.
L-5-H	BB	599506	Hook	5	6	3/8 - 1/2	15	592095	1096468
L-5-H	RB	599515	Hook	5	6	3/8 - 1/2	15	592157	1096468
L-5-S	BB	599524	Shackle	5	6	3/8 - 1/2	15	592095	-
L-5-S	RB	599533	Shackle	5	6	3/8 - 1/2	15	592157	-
L-5-T	BB	599542	Tailboard	5	6	3/8 - 1/2	10	592095	-
L-5-T	RB	599551	Tailboard	5	6	3/8 - 1/2	10	592157	-
L-6-H	BB	599560	Hook	5-7/8	12	5/8 - 3/4	32	592175	1096609
L-6-H	RB	599579	Hook	5-7/8	12	5/8 - 3/4	32	592255	1096609
L-6-S	BB	599588	Shackle	5-7/8	12	5/8 - 3/4	30	592175	-
L-6-S	RB	599597	Shackle	5-7/8	12	5/8 - 3/4	30	592255	-
L-6-T	BB	599604	Tailboard	5-7/8	12	5/8 - 3/4	18	592175	-
L-6-T	RB	599613	Tailboard	5-7/8	12	5/8 - 3/4	18	592255	-

* Ultimate Load is 4 times the Working Load Limit.



NOTE: When ordering, please specify: size, block number, hook or shackle, bronze bushed or roller bearing, and Wireline size.
NOTE: Tail Board does not contain the spool that is required with the hook (L-5-H) and shackle (L-5-S) snatch blocks.

GENERAL PURPOSE SNATCH BLOCKS



L-45-H



L-45-S



L-45-T

- Hook is Forged Alloy Steel – Quenched and Tempered.
- Shackle is Forged Alloy Steel – Quenched and Tempered.
- All parts are forged.
- Opened and closed in seconds without the use of tools.
- Available with hook, shackle or tail board (pin only).
- Either wire or manila rope may be used.
- Can be furnished with hook latch.
- Blocks furnished with dual rated Wireline sheaves.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these blocks meet other critical performance requirements including fatigue life and material traceability, not addressed by ASME B30.26.



**SEE APPLICATION AND
WARNING INFORMATION**
On Pages 381-388
Para Español: www.thecrosbygroup.com

L-170 Series General Purpose Snatch Blocks

Block No.	Bearing Code	L-170 Stock No.	Fitting	Sheave Diam. (in.)	Working Load Limit (t)*	Wireline Size (in.)	Manila Rope Size (in.)	Weight Each (lbs.)	Rep Sheave Stock No.	Rep. Latch Stock No.
L-45-H	BB	599800	Hook	4-1/8	5	3-8 - 1/2	1-1/4	13	460405	1096468
L-45-H	RB	599819	Hook	4-1/8	5	3/8 - 1/2	1-1/4	13	472580	1096468
L-45-S	BB	599828	Shackle	4-1/8	5	3/8 - 1/2	1-1/4	13	460405	-
L-45-S	RB	599837	Shackle	4-1/8	5	3/8 - 1/2	1-1/4	13	472580	-
L-45-T	BB	599846	Tail Board	4-1/8	5	3/8 - 1/2	1-1/4	9	460405	-
L-45-T	RB	599855	Tail Board	4-1/8	5	3/8 - 1/2	1-1/4	9	472580	-

* Ultimate Load is 4 times the Working Load Limit.



NOTE: When Ordering, specify either roller bearing or bronze bushed sheaves.

NOTE: Tail board does not contain the spool that is required with the hook (L-45-H) and shackle (L-45-S) snatch blocks.

Crosby® Snatch Blocks



C-700
Snatch Block

- Unique locking device permits disengagement by simply folding hook.
- Formed steel side plates with capacity stamped permanently in place.
- Self-Lubricating bronze bushings.
- Can be furnished with S-4320 hook latch.
- Furnished with dual rated Wireline sheaves.

C-700 General Purpose Snatch Blocks

Sheave Diam. (in.)	Block No.	C-700 Stock No.	Working Load Limit (Tons)*	Wireline Size (in.)	Weight Each (lbs.)	Fitting	Rep. Latch Stock No.
6	10611	260014	2	3/8 - 1/2	12	Swivel Hook	1096468
8	10811	261013	3	1/2 - 5/8	19	Swivel Hook	1096515

* Ultimate Load is 3.5 times the Working Load Limit.



C-720
Snatch Block

- Forged steel sheaves, bronze bushings.
- Drop forged steel hook.
- Pressure lube fitting.
- Self-locking style. Locks with hook load.
- Can be furnished with S-4320 hook latch.
- Furnished with dual rated Wireline sheave.

C-720 Heavy Duty Utility Snatch Blocks

Sheave Diam. (in.)	Block No.	C-720 Stock No.	Working Load Limit (Tons)*	Wireline Size (in.)	Weight Each (lbs.)	Fitting	Rep. Latch Stock No.
6	60611	280010	7	3/4 - 7/8	28	Swivel Hook	1096562

* Ultimate Load is 3.5 times the Working Load Limit.



C-720
Toggle Block

- Forged steel sheaves, bronze bushings.
- Pressure lube fitting.
- Furnished with dual rated Wireline sheave.

C-720 Toggle Blocks (Tail Board)

Sheave Diam. (in.)	Block No.	C-720TB Stock No.	Working Load Limit (Tons)*	Wireline Size (in.)	Weight Each (lbs.)	Fitting
6	70610	290018	7	3/4 - 7/8	21	Tail board

* Ultimate Load is 3.5 times the Working Load Limit.



Para Español: www.thecrosbygroup.com



HF-1



HF-2

Hay Fork Pulleys with Swivel Hook or Swivel Eye

- Forged steel eyes and hooks.
- Available Painted or Zinc Plated.
- One piece pressed steel shells.
- Edges well rounded to prevent chaffing of rope.
- Can be furnished with SS-4320 hook latch.
- Furnished with roller bearings.
- Pressure lube fittings.

HF-1 / HF-2 Hay Fork Pulleys with Swivel Hook or Swivel Eye

Sheave Diameter (in.)	Block No.	Hay Fork Pulleys Stock No.		Working Load Limit (Tons)*	Standard Rope Size (in.)	End Fitting	Weight Each (lbs.)
		Painted	Zinc Plated				
4-1/2	HF-1	170022	170594	1	1-1/4 MR	Swivel Hook	6
4-1/2	HF-2	170086	170629	1	1-1/4 MR	Swivel Eye	6
4-1/2	HF-3	170148	170656	1	1/2 WL	Swivel Hook	6
4-1/2	HF-4	170200	170683	1	1/2 WL	Swivel Eye	6
8	HF-5	170264	-	2	1/2 WL	Swivel Eye	11
6	HF-11	170380	-	2	1-1/2 MR	Swivel Hook	11
6	HF-12	170442	-	2	1-1/2 MR	Swivel Eye	11
6	HF-13	170503	-	2	5/8 WL	Swivel Hook	11
6	HF-14	170567	-	2	5/8 WL	Swivel Eye	11

* Ultimate Load is 4 times the Working Load Limit. Rope Code: MR - Manila Rope, WL - Wireline.

171

Tong Block

- Steel sheaves with roller bearings and pressure lubrication.
- Forged steel eyes and hooks.
- Easy opening feature shown available in 8" size only.



171 Tong Block

Sheave Diameter (in.)	Block No.	171 Stock No.	Working Load Limit (Tons)*	Wireline Size (in.)	Weight Each (lbs.)	Connection
6	TB-1	171012	1/2	3/4	11	Swivel Eye
8	TB-1	171058	1	3/4	12	Swivel Eye
10	TB-1	171101	2-1/2	3/4	30	Swivel Eye
12	TB-1	171156	2-1/2	3/4	35	Swivel Eye

* Ultimate Load is 4 times the Working Load Limit.

443

Lay Down Block

- All steel construction, steel sheaves mounted on antifriction bearings, grooved for maximum of 3/4" Wireline.
- Used to lay down drill pipe.
- Hook made to fit into end of drill pipe, handy dead end becket for returning block – hooks have handle for disengagement.

443 Lay Down Block

Sheave Diameter (in.)	Block No.	443 Stock No.	Working Load Limit (Tons)*	Wireline Size (in.)	Weight Each (lbs.)	Type Block
4-1/2	443	171414	1/4	1/2	12	Regular
6	443	171432	1/2	3/4	17	Regular

* Ultimate Load is 4 times the Working Load Limit.





M-491
Tower Hoist Block

New design provides the dependability of standard McKissick® Snatch Blocks, along with features that make it perfect for the challenging needs of Tugger Hoist and Tower Erection applications.

- A wide variety of configurations:
 - 4, 8, 12, 15, 25 or 30 metric ton capacity
 - 3/8", 7/16", 1/2", 9/16", 5/8", 7/8", 1" and 1-1/4" Wireline sizes
 - Painted or Galvanized finish
- 8" and 10" blocks furnished with dual rated Wireline sheaves.
- Forged steel swivels, tees, yokes and shackles are Quenched & Tempered.
- Sheave lubrication through center pin for easy maintenance.
- Design factor of 4 to 1.
- All blocks 14" and larger are furnished with McKissick® Roll Forged sheaves with flame hardened grooves.
- Recessed sideplate design reduces the gap between the sheave rim and the sideplate, allowing the sheave assembly to be captured in the block if loss of center pin occurs.
- Sealed tapered roller bearings extend the life of the center pin and bearings, and allows for faster line speeds than recommended with standard snatch blocks.
- Shackle fitting swivels for easy positioning.
- Suitable for hoisting personnel, contingent upon all employees, including the winch operator, being trained to follow applicable Federal, local and industry standards.
 - Tugger/Derrick applications: API RP54
 - Tower applications: OSHA directive CPL 2-1.36
- Holes through side plates are available for secondary block securement device.
- Manufactured by an API Q1 Certified facility.
- Type Approval and certification in accordance with ABS 2006 Steel Vessel Rules 1-1-17.7, and ABS Guide for Certification of Cranes.
- All sizes are **RFID EQUIPPED**.



M-491G
Derrick Hoist Block



M-491 / M-491G Tower/Derrick Hoist Blocks

Working Load Limit (t)*	Sheave Diameter (in.)	Wireline Size (in.)	M-491 Stock No. Painted	G-491 Stock No. Galvanized	Weight Each (lbs.)
4	8	3/8 - 1/2	2020161	2020170	35
8	10	3/8 - 1/2	2020806	2020815	55
8	10	1/2 - 9/16	2020824	2020833	55
12	10	1/2 - 9/16	2021118	2021127	55
12	14	5/8	2021136	2021145	95
12	14	3/4	2021154	2021163	95
15	16	7/8	2021172	2021181	150
15	16	1	2021190	2021199	150
25	18	1 1/8	2032312	2032315	260
30	20	1 1/4	2032321	2032324	675

* Ultimate Load is 4 times the Working Load Limit.

Contact our Block Hotline, (1-800-727-1555) for larger capacity blocks up to 350 Tons or reference the special request form on page 461.



70 Series
Blocks

McKissick[®] Oilfield Tubing Blocks utilizing new Split Nut Retention System. Revolutionary new retention system eliminates conventional threaded nut and potential problems associated with thread corrosion.

- Exclusive E-Z opening guards, no bolts to pull out and lose. Feature gives fastest possible exposure of sheave cluster for quick reeving.
- Extremely short overall length, extra weight, excellent balance for fast non-wobbling falls.
- Roller thrust bearing in hook.
- Duplex hook for easy elevator operation, locks in eight positions.
- Also available with Rod Hook Clevis.
- Completely streamlined, no projections.
- McKissick Roll-Forged, flame hardened sheaves, grooved to API profile for proper Wireline size. Contact Crosby for additional Wireline sizes.
- Separate lubrication channel to each sheave.
- Double row, pre-adjusted tapered bearings with seals.
- McKissick Split-Nut[®] hook parts precision machined and individually fitted for maximum performance.
- Manufactured to API-8C specifications.
- 35 ton Capacity Rod Hook Clevis available.
- Lock Arms with Self Retaining Bolts.
- All sizes are **RFID EQUIPPED**.
- The 70 Series has a spring loaded hook that is better for heavy usage and larger depths. Tends to last longer since the shock loads are somewhat absorbed.
- The 80 Series has no spring loaded hook and is better for shallow depths and rework.



80 Series
Blocks



Licensed Under
API Spec 8C-0021

Fatigue Rated[™]



**SEE APPLICATION AND
WARNING INFORMATION**
On Pages 381-388
Para Español: www.thecrosbygroup.com

70 Series Tubing Blocks

Stock No.	Block Config.*	Working Load Limit (Tons)	Rod Hook Clevis Working Load Limit (Tons)	Wireline Size (in.)	Weight Each (lbs.)
111895	20" 73-A**	75	12.5	7/8	2290
111823	24" 73	100	20	1	2634
111921	24" 73-A**	100	20	1	2750
111922	24" 73-AN**	125	35	1	2784
128798	30" 74	150	22.5	1-1/8	4488
125550	30" 74-A**	150	22.5	1-1/8	4800
112552	30" 74-AN**	175	35	1-1/8	5018

* Spring loaded duplex hook assuring ample travel for efficient tubing operations. No load carrying threads ** A = Rod Hook Clevis attachment standard. AN = New 35 Ton Clevis.

80 Series Tubing Blocks

Stock No.	Block Config.	Working Load Limit (Tons)	Rod Hook Clevis Working Load Limit (Tons)	Wireline Size (in.)	Weight Each (lbs.)
112135	17" 83	50	7.5	7/8	1082
112243	17" 83-A**	50	7.5	7/8	1270
112252	20" 82-A**	50	7.5	7/8	1243
112261	20" 83-A**	75	12.5	7/8	1659
112270	24" 82-A**	75	12.5	1	1830
112181	24" 83	100	20	1	2200
112279	24" 83-A**	100	20	1	2185
117498	24" 84-A**	100	20	1	2750
112278	24" 83-AN**	125	35	1	2196
117500	24" 84-AN**	125	35	1	2931
117514	30" 84-A**	150	22.5	1-1/8	4130
205857	30" 83-AN**	175	35	1-1/8	3757
117516	30" 84-AN**	175	35	1-1/8	4327

** A = Rod Hook Clevis attachment standard. AN = New 35 Ton Clevis.



WELL LOGGER'S BLOCKS



475
Floor Block



477
Floor Block



476
Top Block

- Alloy aluminum housing for maximum strength and minimum weight.
- Conductor cable ONLY is recommended for use with Well Logger's Blocks.
- For use in high speed well logging, perforating, etc.
- Extra large double row, pre-adjusted sealed tapered bearing.
- Quick opening pin for fast string-up, light weight for easy handling.



475 / 477 Floor Blocks

Sheave Diam. (in.)	Block No.	Floor Block Stock No.	Working Load Limit (Tons)*	Conductor Cable Size (in.)†	Weight Each (lbs.)	Connection
7	475	180020	1-1/2	3/16	10	Swivel Hanger
10	475	180128	1-1/2	3/16	11	Swivel Hanger
10	475	180253	2-1/2	5/16	21	Swivel Hanger
12	475	180440	2-1/2	5/16	24	Swivel Hanger
14	475	180618	2-1/2	5/16	43	Swivel Hanger
14	477	169784	6	1/4	58	Swivel Clevis
20	477	191072	6	1/4	70	Swivel Clevis
24	477	191107	10	5/16	130	Swivel Clevis

* Ultimate Load is 4 times the Working Load Limit.

† Other cable sizes available upon request.

476 Top Blocks

Sheave Diam. (in.)	Block No.	Top Block Stock No.	Working Load Limit (Tons)*	Conductor Cable Size (in.)	Weight Each (lbs.)	Connection
7	476	180075	2-1/2	3/16	10	Stinger Pin
10	476	180333	4	5/16	21	Stinger Pin
12	476	180529	4	5/16	24	Stinger Pin
14	476	180707	4	5/16	43	Stinger Pin

* Ultimate Load is 4 times the Working Load Limit.



731
Crown Block

Crown Blocks

- McKissick Roll-Forged sheaves with flame hardened grooves.
- Double row pre-adjusted sealed tapered bearings mounted on a steel shaft.
- Heavy center and side plates for proper support of center pin.
- Pre-assembled units for rapid attachment to crown assembly for installation on derrick.
- On multiple sheave assemblies, one sheave can be grooved for sand line on request.
- Other sizes available upon request.
- Sheaves manufactured to API-8C specifications.



Crown Blocks

Sheave Diam. (in.)	Block No.	Crown Block Stock No.	No. of Sheaves	Working Load Limit (Tons)	Standard Wireline Size (in.)*	Weight Each (lbs.)
24	241	351158	1	15	7/8	200
24	242	351167	2	30	7/8	278
24	243	351176	3	45	7/8	375
24	731	351185	1	35	1	200
24	732	351194	2	75	1	350
24	733	351201	3	100	1	525
24	734	351210	4	125	1	720
30	741	351229	1	40	1-1/8	325
30	742	351238	2	80	1-1/8	560
30	743	351247	3	110	1-1/8	800
30	744	351256	4	140	1-1/8	982
30	745	351265	5	170	1-1/8	1163

* May be furnished in other Wireline sizes.



API 2C Block Systems

Block Systems for Offshore pedestal mounted cranes certified to API 2C are considered critical components. McKissick provides blocks, overhaul balls, sheaves and wedge sockets that meet the critical component requirements of API 2C to required CV value.

(It is the responsibility of the crane manufacturer to license or certify these components.)



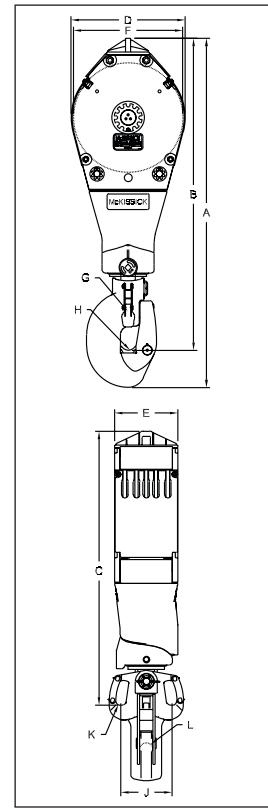
Reference page 462 assist in proper specification.



**RJ Style
Drilling Block**

RJ Style Drilling Blocks

- Capacities Available: 150, 250 & 350 Tons.
- Double row, pre-adjusted tapered bearings with seals.
- Blocks contain McKissick® Roll-Forged sheaves with flame hardened grooves.
 - Grooves are API profile
- Separate lubrication channel to each sheave.
- Easy opening guards for quick string-up (no bolts to pull out and lose).
- Each hook block is fitted with position lock and swivel lock assemblies.
- Additional weights available upon request.
- Manufactured to the requirements of API 8C, including all documentation.
 - Each block is individually serialized for full traceability.
 - Furnished with Certificate of Conformance.
- Hook is spring loaded with hydraulic snubber.
- Minimum design temperature of -20 degree C (-4 degree F).
- Standard top coat finish is safety orange enamel.
 - Other paint colors and systems are available on request.
 - Individual parts are primer coated on exposed surfaces.
- Combination hook blocks have interchangeable parts with BJ type McKissick® blocks built up to 1982.
 - Contact Crosby Customer Service for details.
- All sizes are **RFID EQUIPPED**.



Licensed Under
API Spec 8C-0021



RJ Style Drilling Blocks

Model No.	RJ Block Stock No.	Working Load Limit (Tons)	Sheave Diameter (in.)	No. of Sheaves	Standard Wire Rope Size (in.)*	Dimensions (in.)										Weight Each (lbs.)	
						A	B	C	D	E	F	G	H	J	K	L	
864	2028185	150	30	4	1-1/8	117.03	103.52	89.03	32.50	20.25	30.00	2.38	3.00	20.00	2.00	4.25	6,490
865	2028194	150	36	4	1-1/8	121.62	108.12	93.62	38.50	22.00	36.00	2.38	3.00	20.00	2.00	4.25	8,460
866	2028203	150	36	5	1-1/8	121.62	108.12	93.62	38.50	26.75	36.00	2.38	3.00	20.00	2.00	4.25	9,650
868	2024318	250	36	5	1-1/8	129.44	115.19	100.56	38.00	24.25	36.00	3.75	3.25	19.75	1.88	4.00	10,500
869	2024317	250	42	5	1-1/8	135.44	121.19	106.56	44.00	24.25	42.00	3.75	3.25	19.75	1.88	4.00	11,000
870	2024301	350	42	5	1-1/4	147.50	132.50	113.50	44.00	24.25	42.00	3.75	3.25	22.00	2.50	4.00	12,700

* Additional Wireline sizes are available.



RP Style
Traveling
Block

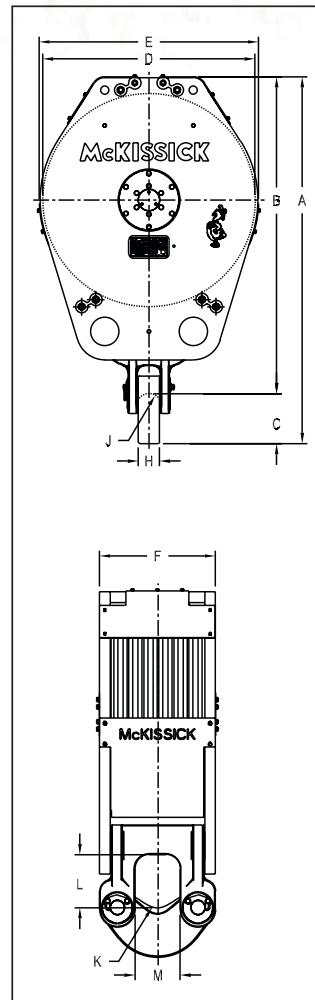


Licensed Under
API Spec 8C-0021



RJ Style Traveling Blocks

- Capacities Available: 250, 350, 500, 750 and 1000 Tons
- Double row, pre-adjusted tapered bearings with seals.
- Blocks contain McKissick® Roll-Forged sheaves with flame hardened grooves.
 - Grooves are API profile.
- Separate lubrication channel to each sheave.
- Bail design to adapt to comparable capacity drilling equipment.
- Additional weights available upon request.
- Manufactured to the requirements of API 8C, including all documentation.
 - Each block is individually serialized for full traceability.
 - Furnished with Certificate of Conformance.
- Minimum design temperature of -20 degree C (-4 degree F).
- Standard top coat finish is safety orange enamel.
 - Other paint colors and systems are available on request.
 - Individual parts are primer coated on exposed surfaces.
- Block side plates can be drilled to adapt customer supplied equipment.
- Easy bail pin removal.
- All sizes are **RFID EQUIPPED**.



**SEE APPLICATION AND
WARNING INFORMATION**
On Pages 381-388
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RP Style Traveling Blocks

RP Block Stock No.	Working Load Limit (Tons)	Sheave Diam. (in.)	No. of Sheaves	Standard Wireline Size (in.)*	Dimensions (in.)												Weight Each (lbs.)
					A	B	C	D	E	F	H	J	K	L	M		
2031027	250	36	5	1-1/4	74.00	63.00	11.00	36.00	39.00	24.25	5.00	2.50	3.50	10.88	7.94	5,600	
2032319	250	42	5	1-1/8	80.00	69.00	11.00	42.00	44.00	24.25	5.00	2.50	3.50	10.88	7.94	7,050	
2029783	350	42	5	1-1/4	80.00	69.00	11.00	42.00	44.00	24.25	5.00	2.50	3.50	10.88	7.94	7,150	
2031434	350	42	6	1-1/4	80.00	69.00	11.00	42.00	44.00	28.00	5.00	2.50	3.50	10.88	7.94	7,800	
2029735	500	60	6	1-3/8	98.25	84.25	14.00	60.00	61.50	32.75	6.00	3.50	4.00	15.00	12.75	16,100	
2029761	750	60	7	1-1/2	107.25	92.25	15.00	60.00	61.50	39.00	9.00	4.50	5.00	18.50	17.00	21,800	
2032326	1000	72	8	1-3/4	127.25	109.25	18.00	72.00	74.00	48.25	9.00	5.00	6.25	19.75	21.25	38,500	

* Additional Wireline sizes are available.



458
Guy Line
Block



459
Guy Line
Block

Guy Line Blocks

- Used on guy lines to gain mechanical advantage through rapid take-up, taking less pull to guy down.
- Laser burned steel side plates, cold-finished steel pins, 6" steel sheaves.



Guy Line Blocks

Block No.	No. of Sheaves	Stock No.	Working Load Limit (Tons)	Sheave Diameter (in.)	Standard Wireline Size (in.)*	Weight Each (lbs.)
458	1	171619	5	6	1/2	21
458H	1	239067	8	6	9/16 - 5/8	25
459	2	171637	10	6	1/2	28
459H	2	239076	12	6	9/16 - 5/8	31

* May be furnished in other Wireline sizes.



TGRB
Tubing Grab

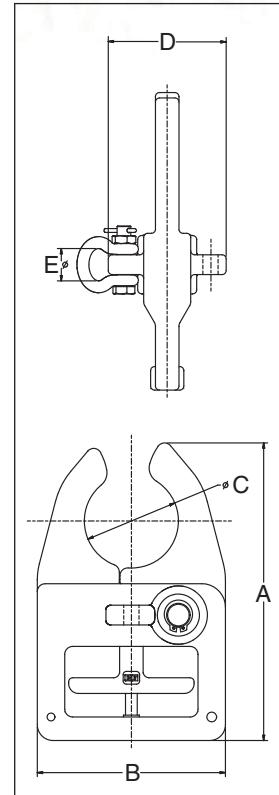


Scan this QR code with your smart device to view our product brochure.



TGRB Tubing Grab

- Designed to lift tubing from horizontal to vertical and back.
- Engages with upset end of tubing.
- Available in two sizes:
 - 2 3/8" tubing
 - 2 7/8" tubing
- Repair kit (8037937) includes springs and retaining clip.
- Fitted with 3/8" G-2130 Crosby Shackle for attachment to air tugger line.
- Secondary eye provided for attachment of tag line.
- Individually proof tested to 125% Working Load Limit.
- Standard finish is zinc plated.
- RFID Equipped.**
- Patented.



TGRB Tubing Grab

Size (in.)	TGRB Stock No.	Working Load Limit* (lbs.)	Dimensions (in.)					Weight Each (lbs.)
			A	B	C	D	E	
2 3/8	2734950	500	9.50	6.00	2.50	3.76	1.03	11
2 7/8	2734949	500	9.50	6.00	3.00	3.76	1.03	11

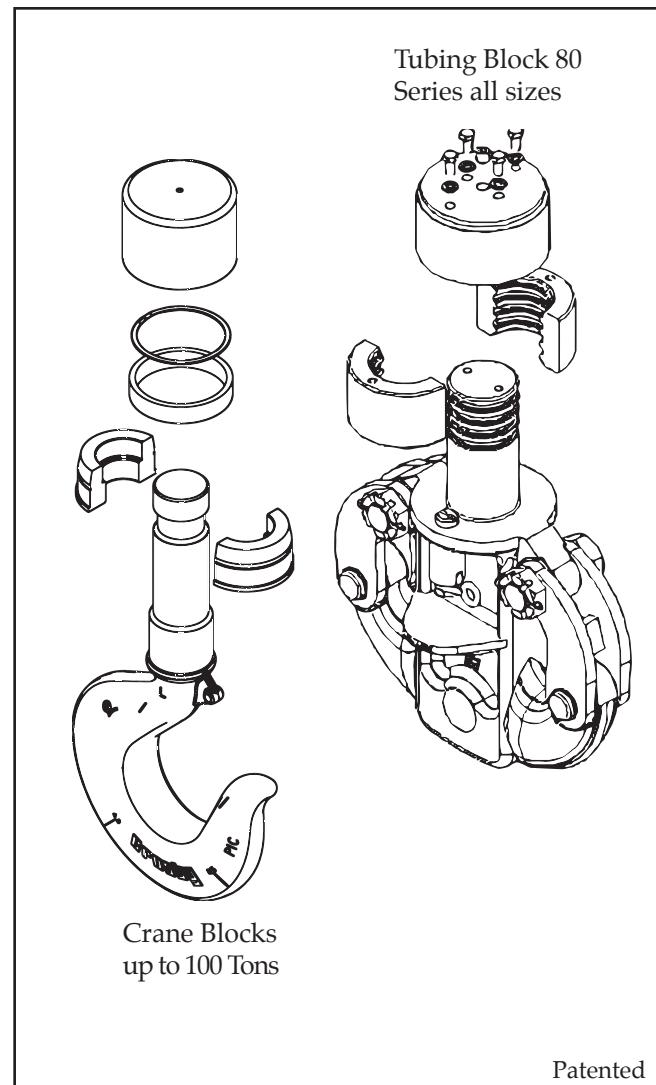
* 10:1 design factor.

Revolutionary

Split-Nut® Retention System

Innovative Split-Nut design provides many benefits to selected blocks

- ✓ Eliminates conventional threaded nut and problems associated with nut removal for inspection.
- ✓ Allows for easy inspection as required by API RP-8B and specific crane standards.
- ✓ Allows repeated installation and removal without risk of damage to hook/nut interface.
- ✓ Redundant secured and sealed fasteners (Tubing block version).
- ✓ Can be purchased in a variety of configurations that can be used to retro-fit selected McKissick® blocks – in the field or in the shop.
 - Hook and nut assembly that fits existing 80 Series cases.
 - Hook and case assembly that bolts into existing block.
 - Hook and Trunnion assembly that replaces existing hook and trunnion in crane blocks.
- ✓ Fatigue Rated



Fatigue Rated®



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Crosby®

(918) 834-4611
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Those who attend Day One, Course #OE-001 will receive:

- Certificate of Completion
- A Crosby Workbook API RP-2D
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- Same materials as shown above, plus:
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- Can earn "CEU" credits



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- Crosby IP Clamps Selection and Application DVD
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- The ability to receive a "Crosby Authorized Trainer" certificate valid for four years
- A CD-Rom with PowerPoint files for a 7-to 9-hour rigging presentation
- The ability to order Crosby training materials at reduced prices
- Can earn "CEU" credits



Classroom training is only a small part of the needed qualifications. Demonstrated ability on the job is equally important. Once the certificate request form is signed by a supervisor or manager and all requirements are met, we will send a certificate authorizing you to use Crosby training materials for 48 months.

TACKLE BLOCK & SHEAVE ASSEMBLY

WARNINGS, USE AND MAINTENANCE INFORMATION

⚠ WARNING

- A potential hazard exists when lifting or dragging heavy loads with tackle block assemblies.
- Failure to design and use tackle block systems properly may cause a load to slip or fall – the result could be serious injury or death.
- Failure to design lifting system with appropriate sheave assembly material for the intended application may cause premature sheave, bearing or Wireline wear and ultimate failure - the result could be serious injury or death.
- A tackle block system should be rigged by a qualified person as defined by ANSI/ASME B30.26.
- Instruct workers to keep hands and body away from block sheaves and swivels – and away from “pinch points” where rope touches block parts or loads.
- Do not side load tackle blocks.
- See OSHA Rule 1926.1431(g)(1)(i)(A) and 1926.1501(g)(4)(iv)(B) for personnel hoisting by cranes and derricks, and OSHA Directive CPL 2-1.36 — Interim Inspection Procedures During Communication Tower Construction Activities. Only a Crosby or McKissick Hook with a PL latch attached and secured with a bolt, nut and cotter pin (or toggle pin) or a PL-N latch attached and secured with toggle pin; or a Crosby hook with an S-4320 latch attached and secured with cotter pin or bolt, nut and pin; or a Crosby SHUR-LOC® Hook in the locked position may be used for any personnel hoisting. A hook with a Crosby SS-4055 latch attached shall NOT be used for personnel lifting.
- Instruct workers to be alert and to wear proper safety gear in areas where loads are moved or supported with tackle block systems.
- Use only genuine Crosby parts as replacement.
- Read, understand, and follow these instructions to select, use and maintain tackle block systems.
- Do not use a block or ball that does not have a legible capacity tag.

Important:

For maximum safety and efficiency, tackle block and sheave systems must be properly designed, used, and maintained. You must understand the use of tackle block components and sheaves in the system. These instructions provide this knowledge. Read them carefully and completely.

Some parts of these instructions must use technical words and detailed explanations. NOTE: If you do not understand all words, diagrams, and definitions – **DO NOT TRY TO DESIGN OR USE A TACKLE BLOCK OR SHEAVE SYSTEM!** For further assistance, call:

In U.S.A. – Crosby Engineered Products Group at 800-777-1555.

In CANADA – Crosby Canada, Ltd. (905) 451-9261.

In EUROPE – N.V. Crosby Europe 32-15-757125.

As you read instructions, pay particular attention to safety information in bold print.

KEEP INSTRUCTIONS FOR FUTURE USE – DO NOT THROW AWAY!

General Cautions or Warnings

Ratings shown in Crosby Group literature are applicable only to new or in “as new” products.

Working Load Limit ratings indicate the greatest force or load a product can carry under usual environmental conditions. Shock loading and extraordinary conditions must be taken into account when selecting products for use in tackle block systems. Working Load Limit ratings are based on all sheaves of tackle block system being utilized. If all sheaves are not utilized, balance must be maintained, and the Working Load Limit must be reduced proportionally to prevent overloading sheave components. Changes from full sheave reeving arrangement should be only at the recommendation of a qualified person, and incorporate good rigging practices.

In general, the products displayed in Crosby Group literature are used as parts of a system being employed to accomplish a task. Therefore, we can only recommend within the Working Load Limits, or other stated limitations, the use of products for this purpose.

The Working Load Limit or Design (Safety) Factor of each Crosby product may be affected by wear, misuse, overloading, corrosion, deformation, intentional alteration, and other use conditions. Regular inspection must be conducted to determine whether use can be continued at the catalog assigned WLL, a reduced WLL, a reduced Design (Safety) Factor, or withdrawn from service.

Crosby Group products generally are intended for tension or pull. Side loading must be avoided, as it exerts additional force or loading which the product is not designed to accommodate.

Always make sure the hook supports the load. The latch must never support the load.

Welding of load supporting parts or products can be hazardous. Knowledge of materials, heat treatment, and welding procedures are necessary for proper welding. Crosby Group should be consulted for information.

Crane component parts, i.e., the boom, block, overhaul ball, swivel, and wire ropes are metallic and will conduct electricity. Read and understand OSHA standard covering crane and derrick operations (29 CFR 1926.1501 SUBPART N) before operating proximate to power lines.

Definitions

STATIC LOAD – The load resulting from a constantly applied force or load.

WORKING LOAD LIMIT – The maximum mass or force which the product is authorized to support in general service when the pull is applied in-line, unless noted otherwise, with respect to the center line of the product. This term is used interchangeably with the following terms.

1. WLL
2. Rated Load Value
3. SWL
4. Safe Working Load
5. Resultant Safe Working Load

WORKING LOAD – The maximum mass or force which the product is authorized to support in a particular service.

PROOF LOAD – The average force applied in the performance of a proof test; the average force to which a product may be subjected before deformation occurs.

PROOF TEST – A test applied to a product solely to determine non-conforming material or manufacturing defects.

ULTIMATE LOAD – The average load or force at which the product fails, or no longer supports the load.



SHOCK LOAD – A force that results from the rapid application of a force (such as impacting and/or jerking) or rapid movement of a static load. A shock load significantly adds to the static load.

DESIGN (SAFETY) FACTOR – An industry term denoting a product's theoretical reserve capability, usually computed by dividing the catalog Ultimate Load by the Working Load Limit. Generally expressed for blocks as a ratio of 4 to 1.

TACKLE BLOCK – An assembly consisting of a sheave(s), side plates, and generally an end fitting (hook, shackle, etc.) that is used for lifting, lowering, or applying tension.

SHEAVE / SHEAVE BEARING ASSEMBLY – Purchased by O.E.M. or end user to be used in their block or lifting system design.

Fitting Maintenance

Fittings, including hooks, overhaul balls, shackles, links, etc., may become worn and disfigured with use, corrosion, and abuse resulting in nicks, gouges, worn threads and bearings, sharp corners which may produce additional stress conditions and reduce system load capacity.

Grinding is the recommended procedure to restore smooth surfaces. The maximum allowance for reduction of a product's original dimension due to wear or repair before removal from service is:

1. Any single direction - No more than 10% of original dimension;
2. Two directions - No more than 5% of each dimension.

For detailed instructions on specific products, see the application and warning information for that product. Any greater reduction may necessitate a reduced Working Load Limit.

Any crack or deformation in a fitting is sufficient cause to withdraw the product from service.

Selection Guide

Some of the blocks shown in Crosby Group literature are named for their intended use and selection is routine. A few examples include the "Double Rig Trawl Block" used in the fishing industry, the "Well Loggers Block" used in the oil drilling industry, and the "Cargo Hoisting Block" used in the freighter boat industry and "Derrick and Tower Block" used for hoisting personnel. Others are more generally classified and have a variety of uses. They include snatch blocks, regular wood blocks, standard steel blocks, etc. For example, snatch blocks allow the line to be attached by opening up the block instead of threading the line through the block. This feature eliminates the use of rope guards and allows various line entrance and exit angles to change direction of the load. These angles determine the load on the block and/or the block fitting. (See "Loads on Blocks.") Snatch blocks are intended for infrequent and intermittent use with slow line speeds.

A tackle block sheave assembly is one element of a system used to lift, change direction or drag a load. There are other elements in the system including the prime mover (hoist, winch, hand), supporting structure, power available, etc. All of these elements can influence the type of tackle block or sheave required. When selecting a block or sheave for the system in your specific application, you should consider the other elements as well as the features of the blocks and sheaves shown in Crosby Group literature.

To select a tackle block or sheave to fit your requirements, consider the following points:

1. Are there regulations which could affect your choice of blocks or sheaves, such as federal or state, OSHA, elevator safety, mine safety, maritime, insurance, etc.?
2. What is the weight of the load, including any dynamics of impacts that add to load value? You must know this to determine the minimum required Working Load Limit value of the block or load on sheave.
3. How many parts of line are required? This can be determined given the load to be lifted and the line pull you have available. As an alternative, you could calculate the line pull required with a given number of parts of line and a given load weight. (See "How to Figure Line Parts.")
4. What is the size of line to be used? Multiply the available line pull by the desired safety factor for Wireline to determine the minimum catalog Wireline breaking strength; consult a Wireline catalog for the corresponding grade and diameter of Wireline to match. You should also consider fatigue factors that affect Wireline life. (See "Sheave Size & Wireline Strength.")
5. What is the speed of the line? This will help you determine the type of sheave bearing necessary. There are several choices of bearings suitable for different applications, including:
 - A. **Common (Plain) Bore** for very slow line speeds and very infrequent use (high bearing friction).
 - B. **Self Lubricating Bronze Bushings** for slow line speeds and infrequent use (moderate bearing friction).
 - C. **Bronze Bushing** with pressure lubrication for slow line speeds and more frequent use at greater loads (moderate bearing friction).
 - D. **Anti-friction Bearings** for faster line speeds and more frequent use at greater loads (minimum bearing friction).
6. What type of fitting is required for your application? The selection may depend on whether the block will be traveling or stationary. Your choices include single or multiple hooks with or without throat latches and shackles, which are the most secured load attachment. You should also decide whether the fitting should be fixed, swivel or swivel with lock. If it is a swivel fitting, then selection of a thrust bearing may be necessary. There are plain fittings with no bearings for positioning at no load, bronze bushed fittings for infrequent and moderate load swiveling, and anti-friction bearing equipped fittings for frequent load swiveling.
7. How will the block be reeved and does it require a dead end becket? (See "The Reeving of Tackle Blocks.")
8. How will the block be reeved and does it require a dead end becket? (See "The Reeving of Tackle Blocks.")
9. If the block is to be a traveling block, what weight is required to overhaul the line? (See "How to Determine Overhaul Weights.")
10. What is the fleet angle of the Wireline? Line entrance and exit angles should be no more than 1-1/2 degrees.
11. How will the block or sheave be maintained? Do conditions in your application require special maintenance considerations? (See "Tackle Block and Sheave Maintenance," and "Fitting Maintenance.")
12. Reference current edition of "Wireline Users Manual" for additional sheave design and maintenance information.



Tackle Block and Sheave Maintenance

Tackle Blocks and Sheaves must be regularly inspected, lubricated, and maintained for peak efficiency and extended usefulness. Their proper use and maintenance is equal in importance to other mechanical equipment. The frequency of inspection and lubrication is dependent upon frequency and periods of use, environmental conditions, and the user's good judgment.

Inspection: As a minimum, the following points should be considered:

1. Wear on pins or axles, rope grooves, side plates, bushing or bearings, cases, trunnions, hook shanks, and fittings (See Fitting Maintenance). Excessive wear may be a cause to replace parts or remove block or sheave from service.
2. Deformation in side plates, pins and axles, fitting attachment points, trunnions, etc. Deformation can be caused by abusive service or overload and may be a cause to remove block or sheave from service.
3. Misalignment or wobble in sheaves.
4. Security of nuts, bolts, and other locking methods, especially after reassembly following a tear down inspection. Original securing method should be used; e.g., staking, set screw, cotter pin, cap screw.
5. Pins retained by snap rings should be checked for missing or loose rings.
6. Sheave pin nuts should be checked for proper positioning. Pins for tapered roller bearings should be tightened to remove all end play during sheave rotation. Pins for bronze bushings and straight roller bearings should have a running clearance of .031 inch per sheave of end play and should be adjusted accordingly.
7. Hook or shackle to swivel case clearance is set at .031 to .062 at the factory. Increased clearance can result from component wear. Clearance exceeding .12 to .18 should necessitate disassembly and further inspection.
8. Deformation or corrosion of hook and nut threads. Your block's hook may be fitted with the Crosby/McKissick Patented Split Nut. Refer to the Split Nut section for proper removal, inspection and installation procedures.
9. Loss of material due to corrosion or wear on external area of welded hook and nut may indicate thread corrosion or damage. If these conditions exist, remove from service or perform load test.
10. Surface condition and deformation of hook (See Fitting Maintenance and ASME B30.10.)
11. Welded side plates for weld corrosion or weld cracking.
12. Hook latch for deformation, proper fit and operation.
13. Remove from service any bushings with cracks on inside diameter or bushing end. Bushings that are cracked and/or extended beyond sheave hub are indications of bushing overload.

LUBRICATION: The frequency of lubrication depends upon frequency and period of product use as well as environmental conditions, which are contingent upon the user's good judgment. Assuming normal product use, the following schedule is suggested when using lithium-base grease of a medium consistency.

SHEAVE BEARINGS

Tapered Roller Bearings – Every 40 hours of continuous operation or every 30 days of intermittent operation.

Roller Bearings – Every 24 hours of continuous operation or every 14 days of intermittent operation.

Bronze Bushings – (Not Self Lubricated) – Every 8 hours of continuous operation or every 14 days of intermittent operation.

Self Lubricating Bronze Bushing – are for slow line speeds and infrequent use (moderate bearing friction).

Frequent inspection is required to determine the condition of bushing.

HOOK BEARINGS

Anti Friction – Every 14 days for frequent swiveling; every 45 days for infrequent swiveling.

Bronze Thrust Bushing or No Bearing Every 16 hours for frequent swiveling; every 21 days for infrequent swiveling.

Tackle Block Maintenance also depends upon proper block selection (see "Loads on Blocks"), proper reeving (see "The Reeving of Tackle Blocks"), consideration of shock loads, side loading, and other adverse conditions.

Sheave Bearing Application Information

Sheaves in a system of blocks rotate at different rates of speed, and have different loads. When raising and lowering, the line tension is not equal throughout the system. Refer to Page 387 "How to Figure Line Parts" for assistance in determining lead line loads used for bushing or bearing selection.

BRONZE BUSHINGS

Bronze Bushings are used primarily for sheave applications using slow line speed, moderate load, and moderate use. The performance capability of a bearing is related to the bearing pressure and the bearing surface velocity by a relationship known as true PV (Maximum Pressure - Velocity Factor).

The material properties of the Bronze Bushings furnished as standard in Crosby catalog sheaves are:

(BP) Maximum Bearing Pressure :4500 PSI

(BV) Maximum Velocity at Bearing :1200 FPM

(PV) Maximum Pressure Velocity Factor: 55000

(It should be noted that due to material property relations, the maximum BP times the maximum BV is NOT equal to the maximum PV.)

Formula for Calculating Bearing Pressure:

$$BP = \frac{\text{Line Pull} \times \text{Angle Factor}}{\text{Shaft Size} \times \text{Hub Width}}$$

Note: Angle Factor Multipliers listed on page 384.

Formula for Calculating Bearing Velocity:

$$BV = \frac{PV}{BP}$$

Formula for Calculating Line Speed:

$$\text{Line Speed} = \frac{BV (\text{Tread Diameter} + \text{Rope Diameter})}{\text{Shaft Diameter}}$$

Calculations can be made to find the maximum allowable line speed for a given total sheave load. If the required line speed is greater than the maximum allowable line speed calculated, then increase the shaft size and/or the hub width and recalculate. Continue the process until the maximum allowable line speed is equal to or exceeds the required line speed.

Example

Using a 14 in. sheave (Stock # 917191; refer to Wireline sheave section of this Catalog for dimensions) with a 4,600 lbs.line pull and an 80° angle between lines, determine maximum allowable line speed.

$$BP = \frac{4,600 \text{ lbs.} \times 1.53}{\frac{(\text{Line pull}) (\text{Angle Factor})}{(1.50 \times 1.62)}} = 2,896 \text{ PSI}$$

(Shaft Size) (Hub Width)

$$BV = \frac{55,000 \text{ (PV Factor)}}{2,896 \text{ (BP)}} = 19 \text{ FBM Allowable}$$

Line Speed =

$$[19 \times (11.75 + .75)] \div 1.50 = 158.3 \text{ FPM ALLOWABLE}$$

(BV) (Tread Dia. + Rope Size) ÷ (Shaft Dia.)

If the application required a line speed equal to 200 FPM, then another calculation would be necessary. Trying another 14 in. sheave (stock # 4104828) under the same loading conditions, the results are as follows:

$$\text{BP} = (4,600 \text{ lbs.} \times 1.53) \div (2.75 \times 2.31) = 1,108 \text{ PSI}$$

$$\text{BV} = 55,000 \div 1,108 = 50 \text{ FPM}$$

Line Speed =

$$[50 \times (11.75 + .75)] \div 2.75 = 227.3 \text{ FPM ALLOWABLE}$$

COMMON (PLAIN) BORE –

Very slow line speed, very infrequent use, low load.

ROLLER BEARING –

Faster line speeds, more frequent use, greater load. Refer to manufacturer's rating. Reference appropriate bearing manufacturer's catalog for proper bearing selection procedure.

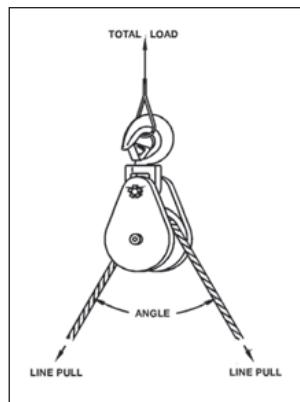
Loads on Blocks

The Working Load Limit (WLL) for Crosby Group blocks indicates the maximum load that should be exerted on the block and its connecting fitting.

This total load value may be different from the weight being lifted or pulled by a hoisting or hauling system. It is necessary to determine the total load being imposed on each block in the system to properly determine the rated capacity block to be used.

A single sheave block used to change load line direction can be subjected to total loads greatly different from the weight being lifted or pulled. The total load value varies with the angle between the incoming and departing lines to the block.

The following chart indicates the factor to be multiplied by the line pull to obtain the total load on the block.

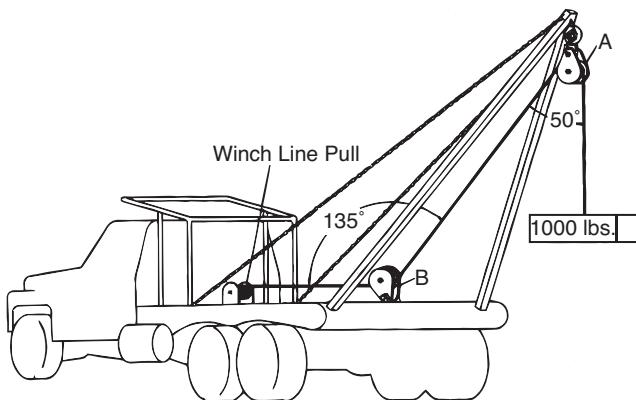


Angle Factor Multipliers			
Angle	Factor	Angle	Factor
0°	2.00	100°	1.29
10°	1.99	110°	1.15
20°	1.97	120°	1.00
30°	1.93	130°	.84
40°	1.87	135°	.76
45°	1.84	140°	.68
50°	1.81	150°	.52
60°	1.73	160°	.35
70°	1.64	170°	.17
80°	1.53	180°	.00
90°	1.41	—	—

Example A

(Calculations for determining total load value on single line system.)

A gin pole truck lifting 1,000 lbs.



There is no mechanical advantage to a single part load line system, so winch line pull is equal to 1,000 lbs. or the weight being lifted.

To determine total load on snatch block A:

$$\text{A} = 1,000 \text{ lbs.} \times 1.81 = 1,810 \text{ lbs.}$$

(line pull) (factor 50° angle)

To determine total load on toggle block B:

$$\text{B} = 1,000 \text{ lbs.} \times .76 = 760 \text{ lbs.}$$

(line pull) (factor 135° angle)



Example B

(Calculation for determining total load value for mechanical advantage system.)

Hoisting system lifting 1,000 lb. using a traveling block.

The mechanical advantage of traveling block C is 2.00 because two (2) parts of load line support the 1,000 lbs weight. (Note that this example is simplified for determination of resultant load on blocks. Lead line pull will be greater than shown due to efficiency losses.) (To determine single line pull for various bearing efficiency see "How to Figure Line Parts".)

To Determine Line Pull:

$$\text{Line Pull} = 1,000 \text{ lbs.} \div 2.00 = 500 \text{ lbs.}$$

To determine total load on traveling block C:

$$C = 500 \text{ lbs.} \times 2.0 = 1,000 \text{ lbs.}$$

(line pull)(Factor 0° angle)

To determine total load on stationary block D:

$$D = 500 \text{ lbs.} \times 1.87 + 500 \text{ lbs.} = 1,435 \text{ lbs.}$$

(line pull) (dead-end load)
(Factor 40° angle)

To determine total load on block E:

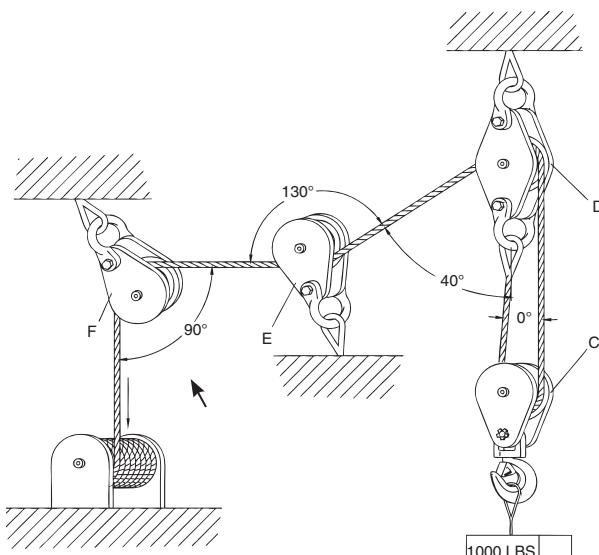
$$E = 500 \text{ lbs.} \times .84 = 420 \text{ lbs.}$$

(line pull) (Factor 130° angle)

To determine total load on block F:

$$F = 500 \text{ lbs.} \times 1.41 = 705 \text{ lbs.}$$

(line pull) (Factor 90° angle)



The Reeving of Tackle Blocks

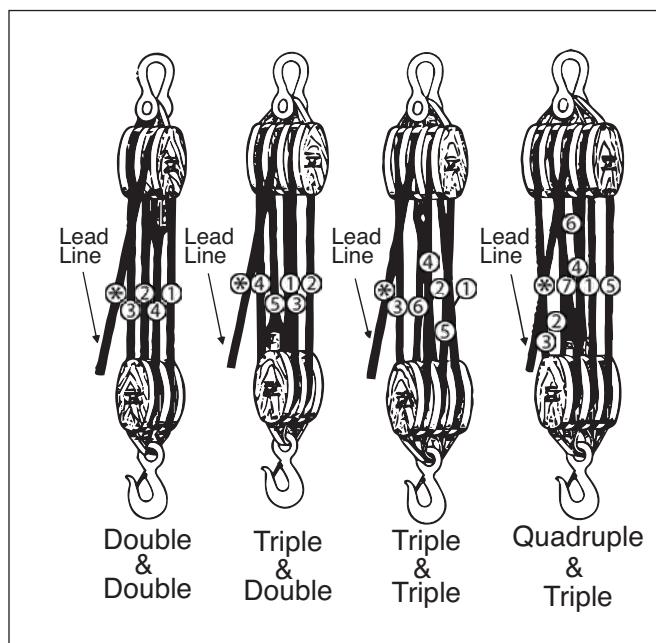
In reeving of tackle blocks, there are many methods. The method discussed below is referred to as "Right Angle" reeving. Please consult your rigging manual for other methods of reeving.

RIGHT ANGLE REEVING

In reeving a pair of tackle blocks, one of which has more than two sheaves, the hoisting rope should lead from one of the center sheaves of the upper block to prevent toppling and avoid injury to the rope. The two blocks should be placed so that the sheaves in the upper block are at right angles to those in the lower one, as shown in the following illustrations.

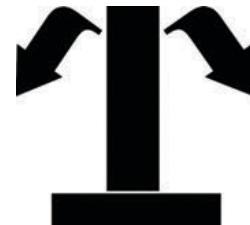
Start reeving with the becket or dead end of the rope. Use a shackle block as the upper one of a pair and a hook block as the lower one as seen below. Sheaves in a set of blocks revolve at different rates of speed. Those nearest the lead line revolve at the highest rate of speed and wear out more rapidly. All sheaves should be kept well lubricated when in operation to reduce friction and wear.

Reeving Diagram



⚠ CAUTION

- Exercise care when block is standing in vertical position, as the potential for tipping exists. Potential causes of tipping are unstable work area, boom movement and the reeving process.
- If work area is unstable, lay block flat on side plate.



Sheave Size & Wireline Strength

Strength Efficiency

Bending Wireline reduces its strength. To account for the effect of bend radius on Wireline strength when selecting a sheave, use the table below:

Ratio A	Strength Efficiency Compared to Catalog Strength in %
40	95
30	93
20	91
15	89
10	86
8	83
6	79
4	75
2	65
1	50

$$\text{Ratio A} = \frac{\text{Sheave Diameter}}{\text{Rope Diameter}}$$

Example

To determine the strength efficiency of 1/2" diameter Wireline using a 10" diameter sheave:

$$\text{Ratio A} = \frac{10'' \text{ (sheave diameter)}}{1/2'' \text{ (Wireline diameter)}} = 20$$

Refer to ratio A of 20 in the table then check the column under the heading "Strength Efficiency Compared to Catalog Strength in %" ... 91% strength efficiency as compared to the catalog strength of Wireline.

Fatigue Life

Repeated bending and straightening of Wireline causes a cyclic change of stress called "fatiguing." Bend radius affects Wireline fatigue life. A comparison of the relative effect of sheave diameter on Wireline fatigue life can be determined as shown below:

Ratio B	Relative Fatigue Bending Life
30	10.0
25	6.6
20	3.8
18	2.9
16	2.1
14	1.5
12	1.1

$$\text{Ratio B} = \frac{\text{Sheave Diameter}}{\text{Rope Diameter}}$$

$$\text{Relative Fatigue Bending Life} = \frac{\text{Sheave #1}}{\text{Sheave #2}}$$

Example

To determine the extension of fatigue life for a 3/4" Wireline using a 22.5" diameter sheave versus a 12" diameter sheave:

$$\text{Ratio B} = \frac{22.5'' \text{ (sheave diameter)}}{3/4'' \text{ (Wireline diameter)}} = 30$$

$$\text{Ratio B} = \frac{12'' \text{ (sheave diameter)}}{3/4'' \text{ (Wireline diameter)}} = 16$$

The relative fatigue bending life for a ratio B of 16 is 2.1 (see above Table) and ratio B of 30 is 10.

$$\text{Relative Fatigue Bending Life} = \frac{10}{2.1} = 4.7$$

Therefore, we expect extension of fatigue life using a 22.5" diameter sheave to be 4.7 times greater than that of a 12" diameter sheave.

How to Determine Overhauling Weights

To determine the weight of the block or overhaul ball that is required to free fall the block, the following information is needed: size of Wireline, number of line parts, type of sheave bearing, length of crane boom, and drum friction (use 50 lbs. unless other information is available).

Wireline Size (in.)	Factor A – Wireline Weight lbs. per ft., 6 x 19 IWRC
3/8	.26
7/16	.35
1/2	.46
9/16	.59
5/8	.72
3/4	1.04
7/8	1.42
1	1.85
1-1/8	2.34
1-1/4	2.89

Number of Line Parts	Factor B – Overhaul Factors	
	Roller Bearing Sheaves	Bronze Bushed Sheaves
1	1.03	1.05
2	2.07	2.15
3	3.15	3.28
4	4.25	4.48
5	5.38	5.72
6	6.54	7.03
7	7.73	8.39
8	8.94	9.80
9	10.20	11.30
10	11.50	12.80

The Formula is:

$$\text{Required Block Weight} = [(\text{Boom Length} \times \text{Factor A}) + \text{Drum Friction}] \times \text{Factor B}$$

Example:

To determine the required block or overhaul weight using 5 parts of 7/8" diameter Wireline, a 50 ft. boom and roller bearing sheaves:

Required
Block = $\frac{[(50 \text{ ft.} \times 1.42) + 50 \text{ lbs.}]}{\text{Boom Length}} \times \text{Factor A} \times \text{Factor B}$
Weight = $\frac{[(50 \text{ ft.} \times 1.42) + 50 \text{ lbs.}]}{\text{Boom Length}} \times \text{Factor A} \times \text{Factor B}$

How to Figure Line Parts

Sheaves in a system of blocks rotate at different rates of speed, and have different loads. When raising and lowering, the line tension is not equal throughout the system. To help figure the number of parts of line to be used for a given load, or the line pull required for a given load, (for example, use Reeling Diagram on page 385. Only numbered lines shall be used in the calculation). The following ratio table is provided with examples of how to use it. The ratios are applicable for blocks as shown on page 385 and also independent sheave systems that line is reeved through.

Ratio A Bronze Bushed Sheaves	Ratio B Anti-Friction Bearing Sheaves	Number of Line Parts
.96	.98	1
1.87	1.94	2
2.75	2.88	3
3.59	3.81	4
4.39	4.71	5
5.16	5.60	6
5.90	6.47	7
6.60	7.32	8
7.27	8.16	9
7.91	8.98	10
8.52	9.79	11
9.11	10.60	12
9.68	11.40	13
10.20	12.10	14
10.70	12.90	15
11.20	13.60	16
11.70	14.30	17
12.20	15.00	18
12.60	15.70	19
13.00	16.40	20

$$\text{Ratio A or B} = \frac{\text{Total Load to be Lifted}}{\text{Single Line Pull (lbs.)}}$$

After calculating Ratio A or B, consult table to determine number of parts of line.

Examples:

To find the number of parts of line needed when weight of load and single line pull are known, and using Bronze Bushed Sheaves.

$$\text{Ratio A} = \frac{72,180 \text{ lbs. (load to be lifted)}}{8000 \text{ lbs. (single line pull)}} = 9.02 \quad (\text{Ratio A})$$

In table above refer to ratio 9.02 or next higher number, then check column under heading "Number of Line Parts" = 12 parts of line to be used for this load.

To find the single line pull needed when weight of load and number of parts of line are known, and using Anti-Friction Bearing Sheaves.

$$\text{Single Line Pull} = \frac{68,000 \text{ lbs. (load to be lifted)}}{7.32 \text{ (Ratio B of 8part line)}} = 9,290 \text{ lbs.}$$

9,290 lbs. single line pull required to lift this load on 8 parts of line.



To find the lift capacity when the parts of line and single line pull are known, and using anti-friction bearing sheaves.

$$\begin{array}{ll} \text{10,000 lbs.} & \text{(Single line pull)} \\ \times 4.71 & \text{(Ratio B of 5 parts of line)} \\ = 47.100 \text{ lbs.} & \text{(Lift Capacity)} \end{array}$$

10,000 lbs. single line pull with 5 parts of line will accommodate 47.100 lbs. lift capacity.

Repairs

For repair of blocks, contact the following numbers for return material authorization.

IN U.S.A. – Crosby Engineered Products Group at (800) 777-1555

IN CANADA – Crosby Canada at (905) 451-9261

IN EUROPE – N.V. Crosby Europe at (+32) (0)15 75 71 25

Your block, after receipt by Crosby, will be inspected and a free estimate of repair charges will be provided. Authorization for repairs from block owners must be given to Crosby before repairs are made. Transportation charges, both to and from factory, are to be paid by the block owner.

Additional Information

For information concerning parts, special application, or situations requiring other features, contact:

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