

**CROSBY
LAUGHLIN**

Load-Rated®

**FORGED
FITTINGS**

**FOR WIRE ROPE
AND CHAIN**

Genuine
**CROSBY
CLIPS**

McKISSICK
BLOCKS

LEBUS

LOAD BINDERS

C. J. HENDRY COMPANY
199 TOWNSEND ST., SAN FRANCISCO 7

You Receive More Quality... Greater Strength... Better Service and Maximum Safety when you buy

Genuine **CROSBY** CLIPS, **CROSBY-LAUGHLIN** Load Rated Fittings, **LEBUS** Load Binders and **McKISSICK**, **LEBUS** and **CROSBY** Blocks. Look for these names and be assured of the genuine article.

Crosby-Laughlin products are LOAD RATED® to take the guesswork out of selecting proper fittings for the job. An Exclusive Crosby-Laughlin feature that increases safety for lives and loads.

QUALITY MATERIALS . . .

Only quality steel is used in CROSBY-LAUGHLIN products to provide greater assurance of dependability.

FORGED FOR GREATER STRENGTH . . .

Hot forming in precision sunk dies, assures for accurate shape of every piece. As steel is shaped under forging hammers, the grain is refined, to give greatest possible strength. Uniformity of each piece is constant since the metal is being formed in the rigid confines of the die.

HEAT-TREATING TOUGHENS . . .

Heat-treated fittings are processed in the most modern, automatically controlled furnaces . . . under the supervision of experienced metallurgists. Heat-treating toughens the forged metal to give better resistance against wear as well as increase strength. You have fewer replacements and you get more use for different jobs, when you buy genuine Crosby-Laughlin forged fittings for wire rope and chain.

EXPLANATION OF SYMBOLS

G - Galvanized

S - Self Colored

NOTE: Our threads are unified standards as covered by ASA B1.1. Dimensions have tolerances as outlined in "Standard Practices and Tolerances for Impression Die Forgings" as adopted by the Drop Forging Association unless stated otherwise.

CROSBY-LAUGHLIN galvanized fittings meet requirements shown in Specification ASTM-153-60

CROSBY-LAUGHLIN Sales Offices

P. O. Box 570
Fort Wayne, Indiana 46801

143 Fore Street
Portland, Maine 04106

55 Route #20
E. Rutherford, New Jersey 07070

P. O. Drawer 768
Tulsa, Oklahoma 74101

P. O. Box 271
Longview, Texas 75601

P. O. Box 51
Toronto 14, Ontario, Canada

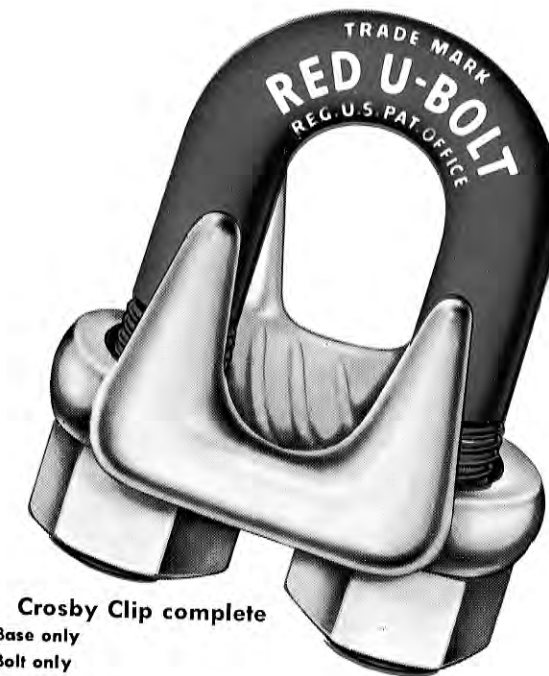
CATALOG NO. 950-4

(Supersedes Catalog 950-3A)

NOTE: The right is reserved to make changes in product design, material and specifications without incurring obligation.

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Genuine CROSBY® WIRE ROPE CLIPS



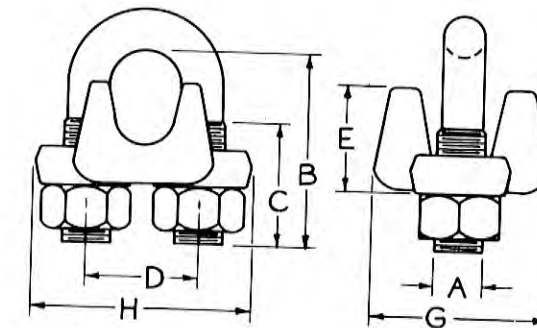
**MEN WHO VALUE LIVES AND LOADS
...USE ONLY GENUINE CROSBY CLIPS**

G-450 Crosby Clip complete
G-446 Base only
G-449 Bolt only
G-448 Nut

Get 100% holding power with genuine CROSBY Wire Rope Clips . . . manufactured to rigid specifications. Forged base with high wings holds ropes snugly in place, one over the other. Rope channel, shaped to assure perfect non-slip union. Entire Clip—"Hot dip" galvanized to resist corrosive and rusting action. Only genuine Crosby Clips have a Red U-BOLT for instant recognition and assurance of safer wire rope fastenings.

Correct application instructions available in handy card form or large wall chart from your distributor.

Genuine Crosby Clips meet Federal Specification FF-C-450 Type I Class I.



GENERAL INFORMATION

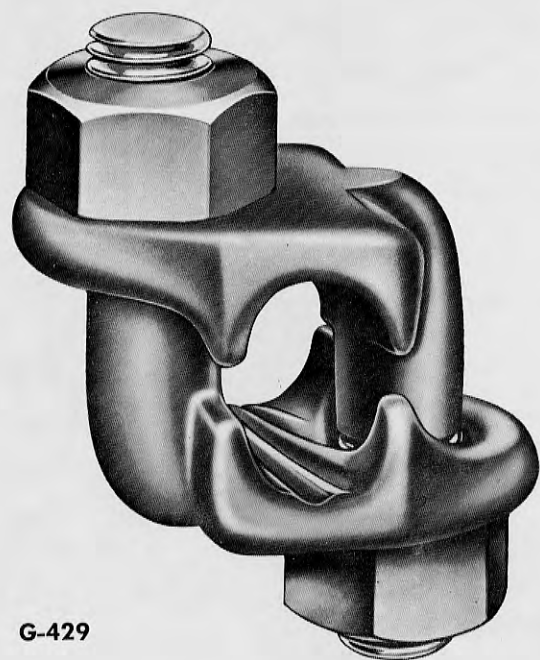
CLIP SIZE	1/8	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1
A	7/32	1/4	5/16	3/8	7/16	1/2	1/2	9/16	5/8	3/4	7/8	1
B	23/32	31/32	1 1/32	1 3/8	1 1/2	1 7/8	1 7/8	2 1/4	2 3/8	2 3/4	3 1/8	3 1/2
C	7/16	9/16	1/2	3/4	3/4	1	1	1 1/4	1 1/4	1 7/16	1 5/8	1 13/16
D	15/32	19/32	3/4	7/8	1	1 3/16	1 3/16	1 5/16	1 5/16	1 1/2	1 3/4	1 7/8
E	25/64	1/2	21/32	23/32	29/32	1 1/4	1 1/8	1 7/32	1 11/32	1 25/64	1 37/64	1 49/64
G	13/16	15/16	1 3/16	1 5/16	1 5/8	1 13/16	1 29/32	2 1/16	2 1/16	2 1/4	2 7/16	2 5/8
H	15/16	1 5/32	1 7/16	1 11/16	1 15/16	2 9/32	2 9/32	2 31/64	2 1/2	2 27/32	3 3/32	3 15/32
Minimum No. Per Fastening	2	2	2	2	2	2	2	3	3	3	4	4
Weight Pounds Per 100	5	9	18	30	42	70	75	100	100	150	240	250

CLIP SIZE	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	2	2 1/4	2 1/2	2 3/4	3
A	3/4	7/8	7/8	7/8	1	1 1/8	1 1/4	1 1/4	1 1/4	1 1/4	1 1/2
B	3 7/8	4 1/4	4 5/8	4 15/16	5 5/16	5 3/4	6 7/16	7 1/8	7 11/16	8 5/16	9 3/16
C	2	2 1/8	2 5/16	2 3/8	2 5/8	2 3/4	3	3 3/16	3 7/16	3 5/16	3 7/8
D	2	2 5/16	2 3/8	2 19/32	2 3/4	3 1/16	3 3/8	3 7/8	4 1/8	4 3/8	4 3/4
E	1 29/32	2 11/64	2 5/16	2 17/32	2 21/32	2 59/64	3 3/32	3 15/16	4 7/16	4 7/8	5 11/32
G	2 13/16	3 1/8	3 1/8	3 13/32	3 5/8	3 13/16	4 7/16	4 9/16	4 11/16	5	5 5/16
H	3 19/32	4 1/8	4 3/16	4 7/16	4 3/4	5 9/32	5 7/8	6 3/8	6 5/8	6 7/8	7 5/8
Minimum No. Per Fastening	5	5	6	6	6	6	7	7	8	9	9
Weight Pounds Per 100	310	460	520	590	730	980	1340	1570	1790	2200	3200

THE ORIGINAL AND ONLY...

Fist Grip® WIRE ROPE CLIPS

FORGED STEEL • HOT GALVANIZED • STANDARD HEAVY HEX NUTS



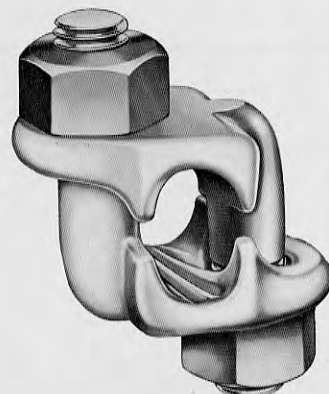
G-429

Rope Size Inches	Minimum Number Per Fastening	Weight Pounds Per 100
3/16-1/4	2	21
5/16	2	26
3/8	2	37
7/16-1/2	2	60
9/16-5/8	3	110
3/4	3	140
7/8	4	220
1	4	270
1 1/8	4	300
1 1/4	5	410
1 3/8-1 1/2	5	680

● The "Fist Grip" Clip clamps the rope with wide bearing surfaces for maximum strength and greater holding power. The bolts are an integral part of the saddle, with nuts on opposite sides of the clip. This enables the operator to swing his wrench in a full arc for fast installation. The "Fist Grip" clip cannot be installed improperly, since its two parts are identical. Ideal clip for guy strand.

Correct application instructions available in handy card form from your distributor. Fist Grip Clips, G-429, meet federal specification FF-C-450 Type III.

BRONZE FIST GRIP CLIPS FORGED, NON-SPARKING



B-429

Non-ferrous forged bronze safety clips are available in 1/4", 3/8", 1/2", 5/8" and 3/4" sizes. They are corrosion resistant and suitable for any application where a non-sparking fitting is necessary or where conductivity is a requirement.

GENUINE "MISSING LINK"® REPLACEMENT LINKS

FORGED STEEL—HEAT TREATED

Size Inches	Standard Package	Weight Pounds Per 100	Overall Dimensions Inches	Inside Dimensions Inches	Ultimate Strength Pounds
3/16	20	4	1 3/16 x 2 5/32	1 1/16 x 1 1/32	2600
1/4	10	5.75	1 1/2 x 1	7/8 x 7/16	4500
5/16	10	10	1 11/16 x 1 5/32	1 5/16 x 1 5/32	6800
3/8	10	17.5	2 1/16 x 1 3/8	1 1/8 x 9/16	9300
7/16	10	26	2 11/32 x 1 17/32	1 9/32 x 1 19/32	12500
1/2	10	37.5	2 21/32 x 1 23/32	1 15/32 x 2 1/32	16500
9/16	10	54	3 x 1 15/16	1 5/8 x 3/4	20500
5/8	10	70	3 5/16 x 2 3/32	1 13/16 x 2 5/32	25000
3/4	10	119	3 7/8 x 2 1/2	2 1/8 x 1 5/16	35400
7/8	In Bulk	182	4 1/2 x 2 15/16	2 1/2 x 1 1/8	48000
*1	In Bulk	250	5 x 3 5/16	2 3/4 x 1 1/4	62000
*1 1/8	In Bulk	350	5 5/8 x 3 11/16	3 1/8 x 1 3/8	78000
*1 1/4	In Bulk	485	6 1/8 x 4 3/16	3 1/4 x 1 5/8	96000
*1 3/8	In Bulk	644	6 3/4 x 4 9/16	3 1/2 x 1 3/4	115000
*1 1/2	In Bulk	815	7 1/4 x 5	3 3/4 x 2	136000
*1 5/8	In Bulk	1090	8 x 5 7/16	4 1/8 x 2 3/16	155000
*1 7/8	In Bulk	1830	9 7/8 x 6 3/8	5 1/4 x 2 5/8	195000

*Have reinforced rivet holes. All sizes have rivet holes countersunk.

†Have rivets only—no interlocking lugs.



G-335

S-335

Genuine Crosby-Laughlin "MISSING LINKS" replacement links are simple, foolproof and easy to install. Integral rivets join the two halves—matched lugs distribute the load. Less expensive and stronger than welding, safer than cold shuts or cast links—and just as strong as BBB chain.

Genuine Crosby-Laughlin "MISSING LINKS" replacement links meet Federal Specification RR-C-271a Type II.

PEAR SHAPE GENUINE "MISSING LINK"® REPLACEMENT LINKS

FORGED STEEL—HEAT TREATED

Size Inches	Inside Width Small End Inches	Inside Width Large End Inches	Inside Length Inches	Weight Pounds Per 100	U.T.S. Pounds
3/8	9/16	1 3/16	2	25	7400
1/2	1 1/16	1	2 1/2	46	13200
5/8	1 3/16	1 1/8	2 3/4	83	20000
3/4	1	1 1/4	3 1/8	130	28400
7/8	1 1/4	1 1/2	3 11/16	210	38400
1	1 1/4	1 1/2	3 7/8	315	49600
1 1/8	1 3/8	1 5/8	4 1/4	440	62400



G-334

S-334

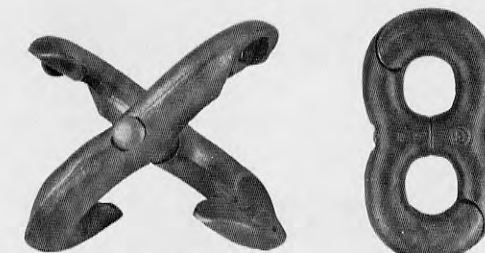
Made of the same high quality forged steel as regular "Missing Links" replacement links and embodying the same design principle—yet with larger inside dimensions which makes it easier to attach hooks or other fittings to the chain. An exclusive Crosby-Laughlin product.

SWING LINKS

FORGED STEEL—BRONZE RIVET

Size Inches	Width	DIMENSIONS IN INCHES Length	I.D. Eye	Weight Pounds Per 100
1/4	7/8	1 7/8	3/8	8.5
5/16	1	2 1/8	3/8	12
3/8	1 5/16	2 9/16	9/16	20.5
7/16	1 7/16	2 7/8	9/16	31
1/2	1 5/8	3 5/16	5/8	43
9/16	1 13/16	3 11/16	1 1/16	60
5/8	2 1/16	4 3/16	1 3/16	92
3/4	2 9/16	4 7/8	1 1/16	155
7/8	2 7/8	5 3/4	1 1/8	250
1	3 1/4	6 1/2	1 1/4	345

Sizes 1/4" to 5/8" packed 10 per box—sizes 3/4" and larger shipped in bulk.



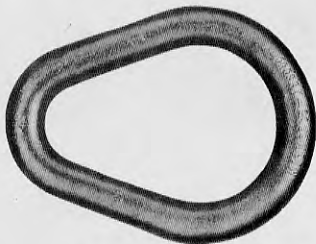
S-338

G-338

Sometimes called Keystone or Figure "8" Link. A high quality link that remains firmly joined while under tension, and is easily removed when tension is relaxed. Interlocking lugs at each end. Forged steel, with bronze rivets.

LINKS AND RINGS

Crosby-Laughlin links and rings are forged from special bar quality carbon and alloy steels. Use Crosby-Laughlin weldless rings and links, and eliminate the possibility of faulty welds in your sling fittings.



G-341 S-341
Weldless Sling Links

WELDLESS SLING LINKS

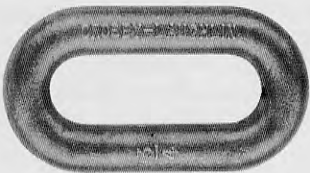
Diam. Stock Inches	Inside Length Inches	WELDLESS SLING LINKS		FORGED STEEL—HEAT TREATED	
		Inside Width Small End	Inside Width Large End	Weight Pounds Each	Safe Load Single Pull Pounds
3/8	2 1/4	3/4	1 1/2	.23	1800
1/2	3	1	2	.53	2900
5/8	3 3/4	1 1/4	2 1/2	1.1	4200
3/4	4 1/2	1 1/2	3	1.9	6000
7/8	5 1/4	1 3/4	3 1/2	2.9	8300
1	6	2	4	4.3	10800
1 1/4	7 3/4	2 1/2	5	8.5	16750
1 3/8	8 1/4	2 3/4	5 1/2	11.3	20500



S-643
Weldless Rings Meet Federal Specification
RR-C-271a Type VI

WELDLESS RINGS

DIMENSIONS		Weight Pounds Each	Safe Load Single Pull Pounds
Diam. Stock Inches	Inside Diam. Inches		
7/8	4	2.75	7200
7/8	5 1/2	3.5	5600
1	4	3.68	10800
1 1/8	6	6.5	10400
1 1/4	5	7	17000
1 3/8	6	10	19000



G-340 S-340
Weldless End Links

WELDLESS END LINKS

Diam. Stock Inches	Inside Length Inches	Inside Width Inches	WELDLESS END LINKS	
			Weight Pounds Each	Safe Loads Pounds
5/16	1 3/4	1/2	.14	2500
3/8	1 7/8	9/16	.21	3800
1/2	2 3/8	3/4	.48	6500
5/8	3 1/4	1	.92	9300
3/4	3 1/2	1 1/8	1.37	14000
7/8	5 1/8	2	2.75	12000
1	5 3/4	2 1/4	3.6	15200
1 1/4	7	2 1/2	7	26400
1 3/8	7 3/4	2 3/4	10	30000



A-342
Weldless Alloy Master Links

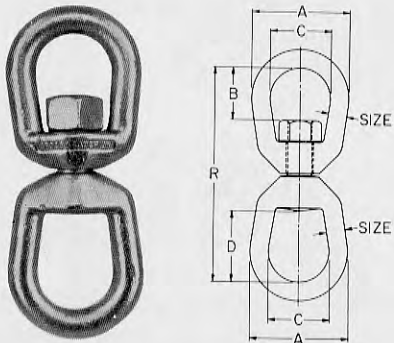
WELDLESS ALLOY MASTER LINKS

Diam. Stock Inches	Inside Length Inches	Inside Width Inches	WELDLESS ALLOY MASTER LINKS	
			Weight Pounds Each	Safe Load Single Pull Pounds
3/4	5 1/2	2 3/4	2	6600
1	7	3 1/2	4.6	12500
1 1/4	8 3/4	4 3/8	9.2	23000
1 1/2	10 1/2	5 1/4	15.7	28750

FORGED SWIVELS

REGULAR

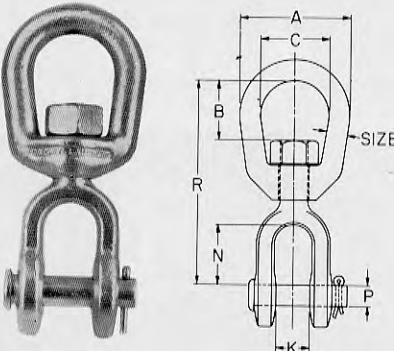
Size Inches	Est. U.T.S. Tons	SWIVEL DIMENSIONS IN INCHES					Weight Pounds Each
		A	B	C	D	R	
1/4	1.8	1 1/4	1 1/16	3/4	1 1/16	2 15/16	.19
5/16	2.6	1 5/8	7/8	1	1 1/4	3 9/16	.31
3/8	4.9	2	1	1 1/4	1 1/2	4 5/16	.68
1/2	7.9	2 1/2	1 3/8	1 1/2	2	5 7/16	1.25
5/8	11.7	3	1 21/32	1 3/4	2 3/8	6 9/16	2.25
3/4	16.2	3 1/2	1 13/16	2	2 5/8	7 3/16	3.5
7/8	21.2	4	2 1/8	2 1/4	3 1/16	8 3/8	5.4
1	26.7	4 1/2	2 7/16	2 1/2	3 1/2	9 5/8	8.8
1 1/8	33.9	5	2 7/16	2 3/4	3 3/4	10 3/8	12
1 1/4	40.4	5 5/8	2 3/4	3 1/8	2 3/4	11 1/8	16
1 1/2	113.0	7	4 1/4	4	4 1/4	17 1/8	49



G-402

JAW END

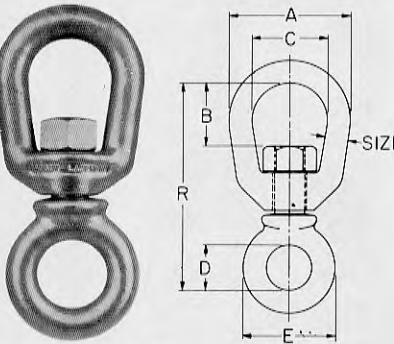
Size Inches	Est. U.T.S. Tons	SWIVEL DIMENSIONS IN INCHES							Weight Pounds Each
		A	B	C	K	N	P	R	
1/4	1.8	1 1/4	1 1/16	3/4	15/32	7/8	1/4	2 5/8	.22
5/16	2.6	1 5/8	7/8	1	1/2	7/8	5/16	2 15/16	.31
3/8	4.9	2	1	1 1/4	5/8	1 1/16	3/8	3 3/8	.56
1/2	7.9	2 1/2	1 3/8	1 1/2	3/4	1 5/16	1/2	4 1/2	1.25
5/8	11.7	3	1 21/32	1 3/4	15/16	1 1/2	5/8	5 5/16	2.13
3/4	16.2	3 1/2	1 13/16	2	1 1/8	1 3/4	3/4	6 1/16	3.5
7/8	21.2	4	2 1/8	2 1/4	1 3/16	2 1/16	7/8	7	5.3
1	26.7	4 1/2	2 7/16	2 1/2	1 3/4	2 13/16	1 1/8	8 9/16	9.8
1 1/8	33.9	5	2 7/16	2 3/4	1 3/4	2 13/16	1 1/8	8 15/16	14
1 1/4	40.4	5 5/8	2 3/4	3 1/8	2 1/16	2 13/16	1 3/8	9 7/16	17
1 1/2	113.0	7	4 1/4	4	2 7/8	4 7/16	2 1/4	14 3/4	49



G-403

CHAIN

Size Inches	Est. U.T.S. Tons	SWIVEL DIMENSIONS IN INCHES						Weight Pounds Each
		A	B	C	D	E	R	
1/4	1.8	1 1/4	1 1/16	3/4	7/16	15/16	2 1/4	.13
5/16	2.6	1 5/8	7/8	1	1/2	1 1/8	2 23/32	.25
3/8	4.9	2	1	1 1/4	3/4	1 1/2	3 7/16	.5
1/2	7.9	2 1/2	1 3/8	1 1/2	7/8	1 7/8	4 1/4	1
5/8	11.7	3	1 21/32	1 3/4	1 1/16	2 3/16	5 1/8	1.75
3/4	16.2	3 1/2	1 13/16	2	1 1/4	2 5/8	5 25/32	2.88
7/8	21.2	4	2 1/8	2 1/4	1 7/16	2 15/16	6 3/8	4.3
1	26.7	4 1/2	2 7/16	2 1/2	2	4	8 1/16	6.8



G-401 S-401

DOUBLE CLEVIS LINK

HEAT TREATED

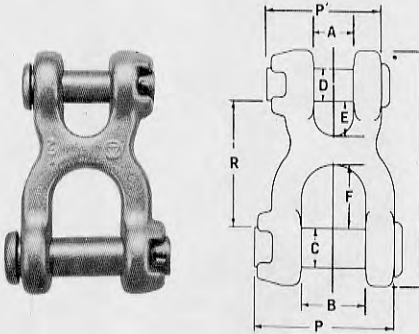
For Use With All Types of Chain Including Alloy

AN EXCLUSIVE Crosby-Laughlin Fitting designed for linking all popular sizes of chain to rings, end links, eye hooks, pad eyes, tractor eyebolts, etc. Pins can be removed with pliers or screwdriver—eliminates all expensive welding and blacksmith work.

U.T.S. RATINGS IN POUNDS		
Double Clevis Link	Chain Size Inches	Alloy Chain
12000	1/4	11000
23000	5/16	16000
23000	3/8	22500
31000	7/16	30000
42000	1/2	40500

ALL PINS, AISI-4130 STEEL, HEAT TREATED

Size Inches	DIMENSIONS IN INCHES										Weight Pounds Each
	A	B	C	D	E	F	L	P	P'	R	
1/4	1/2	3/4	1/2	5/16	3/8	3/4	2 13/16	1 21/32	1 3/8	1 1/2	.44
5/16-3/8	9/16	1	5/8	7/16	15/32	1	3 17/32	2 1/4	1 3/4	1 29/32	.88
7/16	1 1/16	1 1/8	1 1/16	9/16	19/32	1 3/32	4 1/16	2 1/2	2	2 3/16	1.25
1/2	1 3/16	1 1/4	3/4	5/8	2 1/32	1 1/4	4 17/32	2 3/4	2 1/4	2 15/32	1.68



S-247

CROSBY-LAUGHLIN®

Load Rated®

SHACKLES

- SAFE WORKING LOAD PERMANENTLY STAMPED INTO EVERY SHACKLE.
- FORGED, HEAT-TREATED, WITH ALLOY PINS.
- CAPACITIES 1/3 TO 130 TONS.
- 50% MORE STRENGTH PER SIZE THAN COMMON SHACKLES.
- LOOK FOR THE RED COLOR . . . MARK OF GENUINE CROSBY-LAUGHLIN QUALITY.

Why Gamble on Lives and Loads?

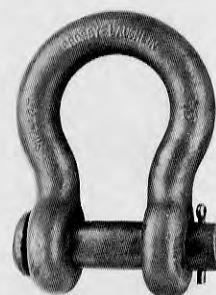
Insist on genuine Crosby-Loughlin shackles. Safe working load permanently forged on every shackle. Shackle bodies forged from special bar quality C-1035 steel to assure maximum strength and fatigue resistance. All shackle pins and bolts are alloy steel, carefully heat-treated to develop superior strength and maximum safety.

Load Rated®

MINIMUM BREAKING STRENGTH—6 times safe working load through 50 ton; 5 times safe working load on 75, 100 and 130 ton capacities. Proof load twice safe working load.



G-209 S-209
Screw pin anchor shackles meet Federal Specification RR-C-271 a Type IV Class 1.



G-213 S-213
Round pin anchor shackles meet Federal Specification RR-C-271 a Type IV Class 4.

ANCHOR SHACKLES—ROUND PIN—SCREW PIN

Safe Working Load—Tons	Size Inches	DIMENSIONS IN INCHES							Weight Pounds Each
		Inside Length	Inside Width at Pin	Inside Width at Bow	Pin	Outside of Eye	Tolerance Plus or Minus Length	Tolerance Plus or Minus Width	
† 1/3	3/16	7/8	3/8	19/32	1/4	9/16	1/16	1/16	.05
1/2	1/4	1 1/8	15/32	25/32	5/16	11/16	1/16	1/16	.12
3/4	5/16	1 7/32	17/32	27/32	3/8	13/16	1/16	1/16	.18
1	3/8	1 7/16	21/32	1 1/32	7/16	31/32	1/8	1/16	.3
1 1/2	7/16	1 11/16	23/32	1 5/32	1/2	1 1/16	1/8	1/16	.49
2	1/2	1 7/8	13/16	1 5/16	5/8	1 3/16	1/8	1/16	.74
3 1/4	5/8	2 3/8	1 1/16	1 11/16	3/4	1 9/16	1/8	1/16	1.44
4 3/4	3/4	2 13/16	1 1/4	2	7/8	1 7/8	1/4	1/16	2.16
6 1/2	7/8	3 5/16	1 7/16	2 9/32	1	2 1/8	1/4	1/16	3.37
8 1/2	1	3 3/4	1 11/16	2 11/16	1 1/8	2 3/8	1/4	1/16	5.3
9 1/2	1 1/8	4 1/4	1 13/16	2 29/32	1 1/4	2 5/8	1/4	1/16	7
12	1 1/4	4 11/16	2 1/32	3 1/4	1 3/8	3	1/4	1/16	9.6
13 1/2	1 3/8	5 1/4	2 1/4	3 5/8	1 1/2	3 5/16	1/4	1/8	12.6
17	1 1/2	5 3/4	2 3/8	3 7/8	1 5/8	3 3/8	1/4	1/8	17.3
25	1 3/4	7	2 7/8	5	2	4 5/16	1/4	1/8	27.8
35	2	7 3/4	3 1/4	5 3/4	2 1/4	5	1/4	1/8	41.1
50	2 1/2	10 1/2	4 1/8	7 1/4	2 3/4	6	3/4	1/8	83.5
*75	3	13	5	7 7/8	3 1/4	6 1/2	3/4	1/8	119

†Furnished in screw pin only.

*Furnished in round pin only.

CHAIN SHACKLES—ROUND PIN—SCREW PIN

Safe Working Load—Tons	Size Inches	Inside Length	Inside Width	DIMENSIONS IN INCHES—Diameter		Tolerance Plus or Minus Length	Tolerance Plus or Minus Width	Weight Pounds Each
				Pin	Outside of Eye			
1/2	1/4	7/8	15/32	5/16	11/16	1/16	1/16	.11
3/4	5/16	1 1/32	1 7/32	3/8	13/16	1/16	1/16	.17
1	3/8	1 1/4	2 1/32	7/16	31/32	1/8	1/16	.29
1 1/2	7/16	1 7/16	23/32	1/2	1 1/16	1/8	1/16	.42
2	1/2	1 5/8	13/16	5/8	1 5/16	1/8	1/16	.68
3 1/4	5/8	2	1 1/16	3/4	1 9/16	1/8	1/16	1.21
4 3/4	3/4	2 3/8	1 1/4	7/8	1 7/8	1/4	1/16	2.14
6 1/2	7/8	2 13/16	1 7/16	1	2 1/8	1/4	1/16	3.1
8 1/2	1	3 3/16	1 11/16	1 1/8	2 3/8	1/4	1/16	4.5
9 1/2	1 1/8	3 9/16	1 13/16	1 1/4	2 5/8	1/4	1/16	6.6
12	1 1/4	3 15/16	2 1/32	1 3/8	3	1/4	1/8	8.9
13 1/2	1 3/8	4 7/16	2 1/4	1 1/2	3 5/16	1/4	1/8	12
17	1 1/2	4 7/8	2 3/8	1 5/8	3 5/8	1/4	1/8	16.2
25	1 3/4	5 3/4	2 7/8	2	4 5/16	1/4	1/8	25
35	2	6 3/4	3 1/4	2 1/4	5	1/4	1/8	36
50	2 1/2	8	4 1/8	2 3/4	6	3/4	1/8	74
* 75	3	8 1/2	5	3 1/4	6 1/2	3/4	1/8	108

*Furnished in round pin only.

SAFETY ANCHOR AND CHAIN

Safe Working Load—Tons	Size Inches	DIMENSIONS IN INCHES							Weight Pounds Each	
		Inside Length 2130	Inside Length 2150	Inside Width at Pin	Pin	Outside of Eye	Tolerance Plus or Minus Length	Tolerance Plus or Minus Width	2130	2150
2	1/2	1 7/8	1 5/8	13/16	5/8	1 5/16	1/8	1/16	.82	.76
3 1/4	5/8	2 3/8	2	1 1/16	3/4	1 9/16	1/8	1/16	1.58	1.56
4 3/4	3/4	2 13/16	2 3/8	1 1/4	7/8	1 7/8	1/4	1/16	2.82	2.62
6 1/2	7/8	3 5/16	2 13/16	1 7/16	1	2 1/8	1/4	1/16	3.95	3.65
8 1/2	1	3 3/4	3 3/16	1 11/16	1 1/8	2 3/8	1/4	1/16	5.6	5.35
9 1/2	1 1/8	4 1/4	3 9/16	1 13/16	1 1/4	2 5/8	1/4	1/16	7.85	7.27
12	1 1/4	4 11/16	3 15/16	2 1/32	1 3/8	3	1/4	1/16	11.2	10.2
13 1/2	1 3/8	5 1/4	4 7/16	2 1/4	1 1/2	3 5/16	1/4	1/8	15.2	13.35
17	1 1/2	5 3/4	4 7/8	2 3/8	1 5/8	3 5/8	1/4	1/8	19.5	18.5
25	1 3/4	7	5 3/4	2 7/8	2	4 5/16	1/4	1/8	31.3	28.5
35	2	7 3/4	6 3/4	3 1/4	2 1/4	5	1/4	1/8	46.3	41.1
50	2 1/2	10 1/2	8	4 1/8	2 3/4	6	3/4	1/8	94	84.5
75	3	13	9	5	3 1/4	6 1/2	3/4	1/8	145	123
100	3 1/2	15	10 1/2	5 3/4	3 3/4	8	1	1/4	250	218
130	4	17	12 1/2	6 1/2	4 1/4	9	1	1/4	358	310

TRAWLING SHACKLES

Safe Working Load—Tons	Size Inches	Inside Length	Inside Width at Pin	DIMENSIONS IN INCHES—Diameter		Tolerance Plus or Minus Length	Tolerance Plus or Minus Width	Weight Pounds Each
				Pin	Outside of Eye			
2	1/2	1 5/8	13/16	5/8	1 5/16	1/8	1/16	.68
3 1/4	5/8	2	1 1/16	3/4	1 9/16	1/8	1/16	1.21
4 3/4	3/4	2 3/8	1 1/4	7/8	1 7/8	1/4	1/16	2.14
6 1/2	7/8	2 13/16	1 7/16	1	2 1/8	1/4	1/16	3.07
8 1/2	1	3 3/16	1 11/16	1 1/8	2 3/8	1/4	1/16	4.53
12	1 1/4	3 15/16	2 1/32	1 3/8	3	1/4	1/8	8.87



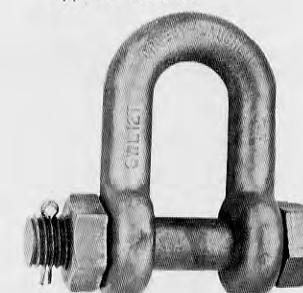
G-210 S-210
Screw pin chain shackles meet Federal Specification RR-C-271 a Type IV Class 2.



G-215 S-215
Round pin chain shackles meet Federal Specification RR-C-271 a Type IV Class 5.



G-2130 S-2130
Safety type anchor shackles with thin head bolt—nut with cotter pin. Meets Federal Specification RR-C-271 a Type IV Class 6.



G-2150 S-2150
Safety type chain shackles. Thin hex head bolt—nut with cotter pin.



S-2131
Trawling shackle with thin square head with screw pin.

CROSBY-LAUGHLIN®

Load Rated®

EYE HOOKS—SHANK HOOKS

THE ONLY COMPLETE LINE— $\frac{3}{4}$ TON THROUGH 150 TON CAPACITIES
AVAILABLE IN THREE MATERIALS—CARBON STEEL, ALLOY STEEL AND BRONZE

CROSBY-LAUGHLIN EYE HOOKS—DIMENSIONS AND RATINGS

—Safe Working Load—Tons—			DIMENSIONS IN INCHES											Weight Pounds Each	320C Replaces Obsolete Hook No.
320C	320A	320B	A	B	D	E	G	H	K	L	R	T	O		
$\frac{3}{4}$	1	.5	$1\frac{15}{32}$	$\frac{3}{4}$	$2\frac{7}{8}$	1	$\frac{3}{4}$	$\frac{13}{16}$	$\frac{9}{16}$	$4\frac{21}{64}$	$3\frac{15}{64}$	$\frac{13}{16}$	$\frac{7}{8}$	.54	22
1	$1\frac{1}{2}$	.6	$1\frac{3}{4}$	$2\frac{9}{32}$	$3\frac{3}{16}$	$1\frac{1}{16}$	$2\frac{7}{32}$	$\frac{15}{16}$	$\frac{5}{8}$	$4\frac{15}{16}$	$3\frac{43}{64}$	$5\frac{3}{64}$	$3\frac{1}{32}$	.8	23
$1\frac{1}{2}$	2	1.0	$2\frac{1}{32}$	$1\frac{1}{8}$	$3\frac{5}{8}$	$1\frac{1}{8}$	1	$1\frac{5}{32}$	$\frac{3}{4}$	$5\frac{35}{64}$	$4\frac{3}{32}$	$5\frac{5}{64}$	1	1.1	24
2	3	1.4	$2\frac{13}{32}$	$1\frac{1}{4}$	$4\frac{3}{32}$	$1\frac{1}{4}$	$1\frac{1}{8}$	$1\frac{5}{16}$	$2\frac{7}{32}$	$6\frac{25}{64}$	$4\frac{11}{16}$	$\frac{13}{16}$	$1\frac{1}{8}$	1.7	25
3	$4\frac{1}{2}$	2.0	$2\frac{15}{16}$	$1\frac{9}{16}$	$4\frac{15}{16}$	$1\frac{1}{2}$	$1\frac{7}{16}$	$1\frac{5}{8}$	$1\frac{1}{8}$	$7\frac{57}{64}$	$5\frac{49}{64}$	$1\frac{3}{8}$	$1\frac{11}{32}$	3.3	27
5	7	3.5	$3\frac{13}{16}$	2	$6\frac{1}{2}$	$1\frac{7}{8}$	$1\frac{13}{16}$	$2\frac{1}{16}$	$1\frac{3}{8}$	$10\frac{3}{32}$	$7\frac{3}{8}$	$1\frac{25}{32}$	$1\frac{11}{16}$	6.6	29
$7\frac{1}{2}$	11	5.0	$4\frac{11}{16}$	$2\frac{7}{16}$	$7\frac{9}{16}$	$2\frac{1}{4}$	$2\frac{1}{4}$	$2\frac{5}{8}$	$1\frac{5}{8}$	$12\frac{7}{16}$	$9\frac{1}{16}$	$2\frac{1}{8}$	$2\frac{1}{16}$	11.6	31
10	15	6.5	$5\frac{3}{8}$	$2\frac{27}{32}$	$8\frac{11}{16}$	$2\frac{1}{2}$	$2\frac{19}{32}$	$2\frac{15}{16}$	$1\frac{15}{16}$	$13\frac{15}{16}$	$10\frac{5}{64}$	$2\frac{9}{16}$	$2\frac{1}{4}$	18.5	32
15	22		$6\frac{5}{8}$	$3\frac{1}{2}$	11	$3\frac{3}{8}$	3	$3\frac{1}{2}$	$2\frac{3}{8}$	$17\frac{3}{64}$	$12\frac{33}{64}$	$2\frac{7}{8}$	3	33.8	34
20	30		7	$3\frac{1}{2}$	$13\frac{13}{32}$	4	$3\frac{21}{32}$	$4\frac{13}{32}$	$2\frac{7}{8}$	$19\frac{15}{32}$	$14\frac{1}{16}$	$3\frac{7}{16}$	$3\frac{3}{8}$	52	35
25	37		$8\frac{1}{2}$	$4\frac{1}{2}$	$14\frac{1}{16}$	$4\frac{1}{4}$	$4\frac{9}{16}$	5	$3\frac{3}{4}$	$24\frac{3}{4}$	$18\frac{5}{16}$	$3\frac{7}{8}$	$3\frac{3}{4}$	105	
30	45		$9\frac{1}{4}$	5	$15\frac{7}{16}$	$4\frac{3}{4}$	$5\frac{1}{16}$	$5\frac{1}{2}$	$4\frac{1}{8}$	$27\frac{5}{16}$	$20\frac{1}{4}$	$4\frac{3}{4}$	$4\frac{1}{4}$	147	
40	60		$10\frac{3}{4}$	$5\frac{5}{8}$	$18\frac{1}{2}$	$5\frac{3}{4}$	6	$6\frac{1}{2}$	$4\frac{5}{8}$	$32\frac{1}{4}$	$23\frac{13}{16}$	$5\frac{11}{16}$	$5\frac{1}{8}$	228	

320C—Carbon steel, heat treated.
320A—Alloy steel, heat treated.
320B—Bronze, high strength.

Note:

Average proof load is twice safe working load.
 $\frac{3}{4}$ ton through 20 ton carbon—average straightening load is five times safe working load.
25 ton through 40 ton carbon—average straightening load is four times safe working load.
All alloy hooks—average straightening load is four times safe working load.

REVERSED EYE HOOKS 321—Reversed eye hooks also available with eye at right angle to plane of hook. Stocked in capacities through 30 ton. Safety latch assemblies cannot be added to reversed eye hooks.

EYE HOOKS

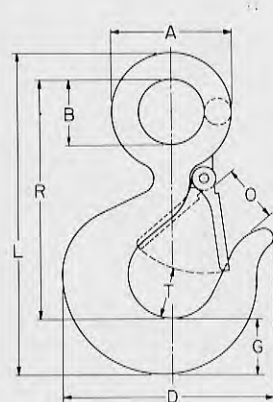
FORGED—HEAT TREATED



320

Crosby-Laughlin Eye Hooks are forged from special forging quality mill purchased steel. Proper design, careful forging and precision controlled heat treating gives maximum strength and "fatigue resistance" without excessive weight and bulk. Rated capacity is forged on the hook. All hooks are offered with a drilled safety cam at no extra cost. Please specify with or without cam on hooks above 25 ton.

SAFETY EYE HOOKS



Every Crosby-Laughlin Eye Hook with the pre-drilled safety cam can be a safety hook. Simply purchase the safety kit listed and shown on Page 12. Even years after purchase of the original hook, this safety kit can be added.

Safety Hooks Shipped Unassembled

CROSBY-LAUGHLIN SHANK HOOKS—DIMENSIONS AND RATINGS

$\frac{3}{4}$ TON THROUGH 150 TON CAPACITY

Safe Working Load—Tons			DIMENSIONS IN INCHES													Weight Pounds Each	319C Replaces Obsolete Hook No.
319C	319A	319B	A	B	C	D	E	G	H	K	R	L	O	T			
$\frac{3}{4}$	1	.5	$1\frac{19}{32}$	2	$1\frac{11}{16}$	$2\frac{7}{8}$	1	$\frac{3}{4}$	$1\frac{13}{16}$	$\frac{9}{16}$	$2\frac{7}{32}$	5	$\frac{7}{8}$	$1\frac{13}{16}$	.6	2	
1	$1\frac{1}{2}$	.6	$1\frac{23}{32}$	$2\frac{1}{4}$	$2\frac{5}{32}$	$3\frac{3}{16}$	$1\frac{1}{16}$	$2\frac{7}{32}$	$1\frac{5}{16}$	$\frac{5}{8}$	$2\frac{17}{32}$	$5\frac{5}{8}$	$3\frac{1}{32}$	$5\frac{3}{64}$	.8	3	
$1\frac{1}{2}$	2	1.0	$2\frac{23}{32}$	$2\frac{1}{2}$	$\frac{7}{8}$	$3\frac{3}{8}$	$1\frac{1}{8}$	1	$1\frac{5}{32}$	$\frac{3}{4}$	$2\frac{11}{16}$	$6\frac{13}{64}$	1	$5\frac{5}{64}$	1.1	4	
2	3	1.4	$\frac{7}{8}$	$2\frac{3}{4}$	1	$4\frac{3}{32}$	$1\frac{1}{4}$	$1\frac{1}{8}$	$1\frac{5}{16}$	$2\frac{7}{32}$	$3\frac{1}{16}$	$6\frac{15}{16}$	$1\frac{1}{8}$	$1\frac{3}{16}$	1.9	5	
3	$4\frac{1}{2}$	2.0	$1\frac{5}{32}$	$3\frac{1}{4}$	$1\frac{1}{4}$	$4\frac{15}{16}$	$1\frac{1}{2}$	$1\frac{7}{16}$	$1\frac{5}{8}$	$1\frac{1}{8}$	$3\frac{25}{32}$	$8\frac{15}{32}$	$1\frac{11}{32}$	$1\frac{3}{8}$	3.5	7	
5	7	3.5	$1\frac{13}{32}$	$3\frac{3}{4}$	$1\frac{9}{16}$	$6\frac{1}{2}$	$1\frac{7}{8}$	$1\frac{13}{16}$	$2\frac{1}{16}$	$1\frac{3}{8}$	$4\frac{3}{4}$	$10\frac{5}{16}$	$1\frac{11}{16}$	$1\frac{25}{32}$	6.8	9	
$7\frac{1}{2}$	11	5.0	$1\frac{11}{16}$	$4\frac{1}{4}$	$1\frac{15}{16}$	$7\frac{9}{16}$	$2\frac{1}{4}$	$2\frac{1}{4}$	$2\frac{5}{8}$	$1\frac{5}{8}$	$5\frac{7}{8}$	$12\frac{3}{8}$	$2\frac{1}{16}$	$2\frac{1}{8}$	11.9	11	
10	15	6.5	$1\frac{27}{32}$	$4\frac{1}{2}$	$2\frac{3}{16}$	$8\frac{11}{16}$	$2\frac{1}{2}$	$2\frac{19}{32}$	$2\frac{15}{16}$	$1\frac{15}{16}$	$6\frac{7}{16}$	$13\frac{1}{2}$	$2\frac{1}{4}$	$2\frac{9}{16}$	17.2	12	
15	22	10.0	$2\frac{1}{4}$	$5\frac{1}{2}$	$2\frac{5}{8}$	11	$3\frac{3}{8}$	3	$3\frac{1}{2}$	$2\frac{3}{8}$	$7\frac{15}{16}$	$16\frac{7}{16}$	3	$2\frac{7}{8}$	31.8	14	
20	30	13.0	$2\frac{3}{4}$	$6\frac{5}{8}$	$3\frac{1}{8}$	$13\frac{13}{32}$	4	$3\frac{21}{32}$	$4\frac{13}{32}$	$2\frac{7}{8}$	$9\frac{7}{16}$	$19\frac{23}{32}$	$3\frac{5}{8}$	$3\frac{7}{16}$	53.0	15	
20	30		$2\frac{3}{4}$	10	$3\frac{1}{8}$	$13\frac{13}{32}$	4	$3\frac{21}{32}$	$4\frac{13}{32}$	$2\frac{7}{8}$	$9\frac{7}{16}$	$23\frac{3}{32}$	$3\frac{5}{8}$	$3\frac{7}{16}$	60.0		
20	30		$2\frac{3}{4}$	18	$3\frac{1}{8}$	$13\frac{13}{32}$	4	$3\frac{21}{32}$	$4\frac{13}{32}$	$2\frac{7}{8}$	$9\frac{7}{16}$	$31\frac{3}{32}$	$3\frac{5}{8}$	$3\frac{7}{16}$	78.0		
25	37		$3\frac{1}{4}$ *	15	$3\frac{1}{4}$	$14\frac{1}{16}$	$4\frac{1}{4}$	$4\frac{9}{16}$	5	$3\frac{3}{4}$	$11\frac{11}{16}$	$31\frac{1}{4}$	$3\frac{3}{4}$	$3\frac{7}{8}$	142.0		
25	37		$3\frac{1}{4}$ *	24	$3\frac{1}{4}$	$14\frac{1}{16}$	$4\frac{1}{4}$	$4\frac{9}{16}$	5	$3\frac{3}{4}$	$11\frac{11}{16}$	$40\frac{1}{4}$	$3\frac{3}{4}$	$3\frac{7}{8}$	172.0		
30	45		$3\frac{1}{2}$ *	15	$3\frac{1}{2}$	$15\frac{7}{16}$	$4\frac{3}{4}$	$5\frac{1}{16}$	$5\frac{1}{2}$	$4\frac{1}{8}$	13	$33\frac{1}{16}$	$4\frac{1}{4}$	$4\frac{3}{4}$	164.0		
30	45		$3\frac{1}{2}$ *	24	$3\frac{1}{2}$	$15\frac{7}{16}$	$4\frac{3}{4}$	$5\frac{1}{16}$	$5\frac{1}{2}$	$4\frac{1}{8}$	13	$42\frac{1}{16}$	$4\frac{1}{4}$	$4\frac{3}{4}$	203.0		
40	60		$4\frac{1}{8}$ *	$14\frac{1}{2}$	$4\frac{1}{8}$	$18\frac{1}{2}$	$5\frac{3}{4}$	6	$6\frac{1}{2}$	$4\frac{5}{8}$	$15\frac{1}{2}$	36	$5\frac{1}{8}$	$5\frac{11}{16}$	268.0		
40	60		$4\frac{1}{8}$ *	18	$4\frac{1}{8}$	$18\frac{1}{2}$	$5\frac{3}{4}$	6	$6\frac{1}{2}$	$4\frac{5}{8}$	$15\frac{1}{2}$	$39\frac{1}{2}$	$5\frac{1}{8}$	$5\frac{11}{16}$	281.0		
40	60		$4\frac{1}{8}$ *	26	$4\frac{1}{8}$	$18\frac{1}{2}$	$5\frac{3}{4}$	6	$6\frac{1}{2}$	$4\frac{5}{8}$	$15\frac{1}{2}$	$47\frac{1}{2}$	$5\frac{1}{8}$	$5\frac{11}{16}$	312.0		
50	75		$4\frac{1}{2}$ *	15	$4\frac{1}{2}$	$20\frac{5}{8}$	$6\frac{1}{2}$	$6\frac{11}{16}$	$7\frac{1}{4}$	5	$19\frac{3}{8}$	$41\frac{1}{16}$	$5\frac{7}{8}$	6	390.0		
50	75		$4\frac{1}{2}$ *	23	$4\frac{1}{2}$	$20\frac{5}{8}$	$6\frac{1}{2}$	$6\frac{11}{16}$	$7\frac{1}{4}$	5	$19\frac{3}{8}$	$49\frac{1}{16}$	$5\frac{7}{8}$	6	426.0		
	90		$4\frac{1}{2}$ *	$13\frac{1}{2}$	$4\frac{1}{2}$	$21\frac{3}{4}$	$6\frac{3}{4}$	$7\frac{1}{4}$	8	$5\frac{1}{2}$	$20\frac{7}{8}$	$41\frac{5}{8}$	$6\frac{1}{8}$	$6\frac{3}{4}$	432.0		
	90		$4\frac{1}{2}$ *	21	$4\frac{1}{2}$	$21\frac{3}{4}$	$6\frac{3}{4}$	$7\frac{1}{4}$	8	$5\frac{1}{2}$	$20\frac{7}{8}$	$49\frac{1}{8}$	$6\frac{1}{8}$	$6\frac{3}{4}$	466.0		
	112		$5\frac{1}{2}$ *	18	$5\frac{1}{2}$	$24\frac{1}{8}$	$7\frac{1}{4}$	$8\frac{1}{4}$	9	$5\frac{7}{8}$	$23\frac{1}{8}$	$49\frac{3}{8}$	$6\frac{1}{2}$	$7\frac{1}{4}$	680.0		
	150		$6\frac{1}{4}$ *	20	$6\frac{1}{4}$	$25\frac{13}{16}$	$7\frac{1}{2}$	$9\frac{1}{16}$	10	$6\frac{3}{4}$	25	$54\frac{1}{16}$	$6\frac{3}{4}$	$7\frac{3}{4}$	935.0		

319C—Carbon steel, heat treated.
319A—Alloy steel, heat treated.
319B—Bronze, high strength.

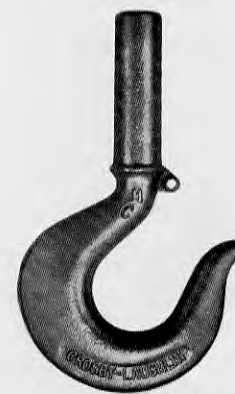
*Minimum "As Forged" dimension.

Note:

Average proof load is twice safe working load.
 $\frac{3}{4}$ ton through 20 ton carbon—average straightening load is five times safe working load.
25 ton through 50 ton carbon—average straightening load is four times safe working load.
All alloy hooks—average straightening load is four times safe working load.

SHANK HOOKS

FORGED—HEAT TREATED

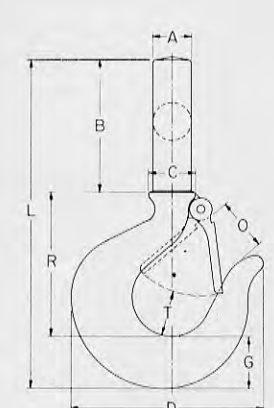


319

Crosby-Laughlin Shank Hooks are forged from special forging quality mill purchased steel. Proper design, careful forging and precision controlled heat-treating gives maximum strength and "fatigue resistance" without excessive weight and bulk. All hooks are offered with a drilled safety cam at no extra cost. Please specify with or without cam on hooks above 25 ton.

SAFETY SHANK HOOKS

FORGED—HEAT TREATED



Every Crosby-Laughlin Shank Hook with the predrilled safety cam can be a safety hook. Simply purchase the safety kit listed and shown on Page 12. Even years after purchase of the original hook, this safety kit can be added.

Safety Hooks Shipped Unassembled

CROSBY-LAUGHLIN SWIVEL HOOKS—DIMENSIONS AND RATINGS

Safe Work Load—Tons		DIMENSIONS IN INCHES											Weight Pounds Each	322C Replaces Obsolete Hook No.
322C	322A	A	B	C	D	E	L	R	S	T	O			
3/4	1	2	1	1 1/4	2 7/8	1	5 9/16	4 15/32	3/8	1 3/16	7/8		.75	2
1	1 1/2	2 1/2	1 3/8	1 1/2	3 3/16	1 1/16	6 5/8	5 9/32	1/2	53/64	31/32		1.25	3
1 1/2	2	3	1 21/32	1 3/4	3 5/8	1 1/8	7 5/8	6 1/4	5/8	55/64	1		1.8	4
2	3	3	1 21/32	1 3/4	4 3/32	1 1/4	8 1/8	6 3/8	5/8	1 3/16	1 1/8		2.5	5
3	4 1/2	3 1/2	1 13/16	2	4 15/16	1 1/2	9 17/32	7 13/32	3/4	1 3/8	1 11/32		4.5	7
5	7	4 1/2	2 7/16	2 1/2	6 1/2	1 7/8	12 9/32	9 19/32	1	1 25/32	1 11/16		9.25	9
7 1/2	11	5	2 7/16	2 3/4	7 9/16	2 1/4	14 3/8	11 1/8	1 1/8	2 1/8	2 1/16		15	11
10	15	5 5/8	2 3/4	3 1/8	8 11/16	2 1/2	15 7/8	12 3/4	1 1/4	2 9/16	2 1/4		19	12
15	22	7	4 1/4	4	11	3 3/8	21 1/16	16 9/16	1 1/2	2 7/8	3		44	14
20	30	7	4 1/4	4	13 13/32	4	23 7/32	18 1/16	1 1/2	3 7/16	3 5/8		67	15

322C—Carbon steel, heat treated.
322A—Alloy steel, heat treated.

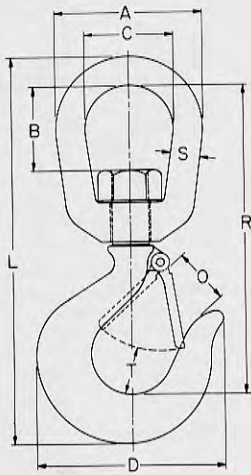
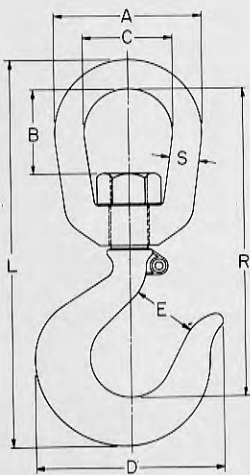
Note:
Average proof load is twice safe working load.
3/4 ton through 20 ton carbon—average straightening load is five times safe working load.
All alloy hooks—average straightening load is four times safe working load.



S-322

SWIVEL HOIST HOOKS
FORGED—HEAT TREATED

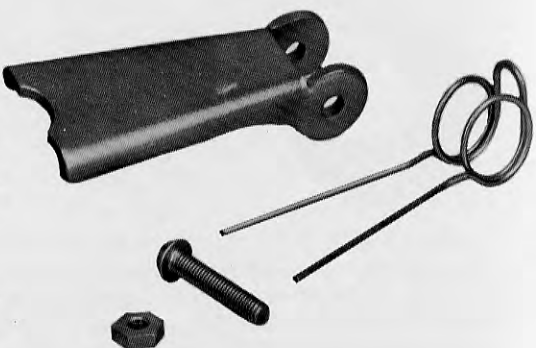
Crosby-Laughlin Swivel Hooks are forged from special forging quality mill purchased steel. Proper design, careful forging and precision controlled heat-treating gives maximum strength and "fatigue resistance" without excessive weight and bulk. Rated capacity is forged on the hook. All hooks are now offered with a drilled safety cam at no extra cost. See accompanying information on safety hooks.



SWIVEL SAFETY HOOKS

Every Crosby-Laughlin Swivel Hook with the predrilled safety cam can be a safety hook. Simply purchase the safety kit listed and shown above. Even years after purchase of the original hook, this safety kit can be added.

Safety Hooks Shipped Unassembled



S-4055

NOW Every CROSBY-LAUGHLIN Hook (with cam)
...can be a Safety Hook!

Simply add the Crosby-Laughlin Safety Latch Kit to your Crosby-Laughlin Load Rated Hook equipped with a drilled cam . . . you now have a safety hook which will protect lives and loads, because loads cannot possibly be jarred from hook. The cam is an integral part of the hook, and kit can be added at any time after purchase of the hook. Order the proper size kit.

CROSBY-LAUGHLIN SAFETY LATCH KIT

Spring, Latch, Latch Bolt with self locking nut. All parts are stainless steel except cadmium plated brass nuts.

Note: When ordering Safety Latch Kit, specify material and rating of hook for which latch is to be used.

SAFETY SNAP HOOKS

FORGED STEEL—HEAT TREATED

Crosby-Laughlin Safety Snap Hooks forged from C-1035 quality bar steel — heat treated for maximum strength. Pressed steel latches and stainless steel springs, bolts and nuts. Safe working loads shown are based on safety factor of 4 to 1.

Hook Size Inches	Safe Working Load Pounds	Inside Diam. of Eye Inches	Throat Opening Inches	Length Overall Inches	Weight Pounds Per 100
7/16	750	3/4	3/4	3 15/16	25
9/16	1000	1 1/8	1 3/16	4 3/4	50



G-3315 S-3315

REPLACEMENT SAFETY HOOK

FOR CHAIN AND ELECTRIC HOISTS

WITH SWIVEL JAW—FORGED—HEAT TREATED

Size Hoist	Width Between Jaws Inches	Diam. Bolt Inches	Overall Length Inches	Throat Opening Inches	Weight Pounds Each
1/2 Ton	9/16	3/8	6 1/8	31/32	1.25
1 Ton	1 1/16	7/16	7 11/16	1 1/8	2.5

Easily attached to any hoist with welded link load chain and roller chain or wire rope with suitable end fitting. No machining or special fitting required.

This assembly; bar quality steel C-1035 — heat treated hook, forged swivel jaw, bronze washer. Spring latch, latch bolt with self locking nut — stainless steel. Nuts cadmium plated brass.



S-3316

SORTING HOOK

ALLOY STEEL

FORGED—HEAT TREATED

Materials handling hook that can be used with or without slings. Deep straight throat permits efficient handling of flat plates or large cylindrical shapes. The long tapered point allows easy grab in rings, pear links, eye bolts or lifting holes.

SPECIFICATIONS

Safe Working Load at Tip	2 Ton
Safe Working Load at Bottom of Hook	7 1/2 Ton
Overall Length	9 3/4"
I. D. of Eye	1 1/4"
Opening at Top of Hook	2 13/16"
Radius at Bottom of Hook	5/8"
Weight Pounds Each	6



A-378

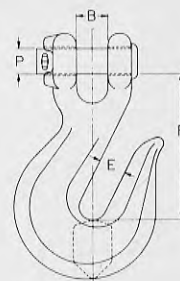
CLEVIS GRAB HOOKS



H-330

A-330

HEAT TREATED—FORGED STEEL



Size of Chain	B	DIMENSIONS IN INCHES			Weight Pounds Each
		E	P	R	
1/4"	7/16	3/8	3/8	2 15/64	.41
5/16"	1/2	7/16	7/16	2 17/32	.75
3/8"	19/32	1/2	15/32	2 55/64	1.1
7/16"	21/32	37/64	9/16	3 7/64	1.6
1/2"	3/4	21/32	5/8	3 31/64	2.2
5/8"	29/32	25/32	3/4	4 7/64	4.2
3/4"	15/16	15/16	7/8	4 5/8	7

H-330 will break Hi-Test chain. A-330 will break Alloy chain.

Flat design to minimize deformation of chain links. Two types available. One is forged from special bar quality carbon steel, heat treated to break BBB or high test chain. The other is forged from chrome-alloy steel, heat treated to break alloy chain. Alloy pins are heat treated for maximum strength. Recessed housing protects end of pin and cotter.

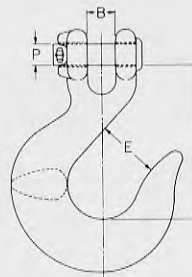
CLEVIS SLIP HOOKS



HEAT TREATED—
FORGED STEEL

H-331

A-331



Size of Chain	Safe Working Load—Lbs.		DIMENSIONS IN INCHES				Weight Pounds Each
	H331	A331	B	E	P	R	
1/4"	1950	2750	7/16	15/16	3/8	2 9/16	.5
5/16"	2875	4300	13/32	1 1/16	7/16	2 47/64	.75
3/8"	4000	5250	19/32	1 5/16	15/32	3 17/64	1.2
7/16"	5000	7000	9/16	1 9/16	9/16	3 43/64	2.1
1/2"	6500	9000	3/4	1 11/16	5/8	4	2.8
5/8"	9250	13500	13/16	2	3/4	4 15/16	4.6
3/4"	—	19250	1 5/16	2 1/2	1	5 31/32	10.3

"H" ratings are one-fourth breaking strength of Hi-Test chain.

"A" ratings are one-fourth breaking strength of Alloy chain.

Replace damaged hooks quickly and easily, or make your own chain assemblies. Two types available. One is forged from special bar quality carbon steel. Other forged from chrome-moly alloy steel. Alloy pins are heat treated for maximum strength. Special recessed housing protects end of pin and cotter.

EYE GRAB HOOKS

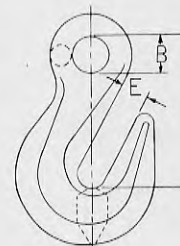


FORGED STEEL
WITH LARGE EYE

S-323

H-323

A-323



Size of Chain	B	DIMENSIONS IN INCHES		Weight Pounds Each
		E	R	
1/4"	7/16	1 1/32	1 55/64	.25
5/16"	9/16	7/16	2 1/4	.45
3/8"	21/32	1/2	2 37/64	.78
7/16"	3/4	9/16	2 15/16	1.23
1/2"	7/8	21/32	3 25/64	1.8
5/8"	1 1/16	25/32	4 7/64	3.3
3/4"	1 5/16	15/16	4 7/8	5.8
7/8"	1 1/2	1 1/16	5 23/32	9.3
1"	1 3/4	1 3/16	6 15/32	14.5

S-323 will break BBB chain.

H-323 will break Hi-Test chain.

A-323 will break Alloy chain.

Flat design minimizes deformation of chain links. Three types: one forged from special bar quality carbon steel NOT HEAT TREATED, will break BBB chain; another forged from the same steel as above except HEAT TREATED to break high test chain; the third forged from chrome-moly alloy steel, heat treated to break alloy chain.

EYE SLIP HOOKS

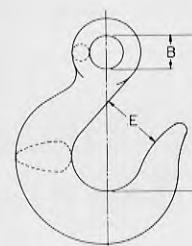


FORGED STEEL
WITH LARGE EYE

S-324

H-324

A-324



Size of Chain	Safe Working Load—Lbs.			—DIMENSIONS IN INCHES—			Weight Pounds Each
	S324	H324	A324	B	E	R	
1/4"	1125	1950	2750	1/2	15/16	2 17/32	.4
5/16"	1700	2875	4300	5/8	1 1/16	2 59/64	.7
3/8"	2325	4000	5250	23/32	1 5/16	3 21/64	1
7/16"	3125	5000	7000	13/16	1 9/16	3 57/64	1.6
1/2"	4125	6500	9000	15/16	1 11/16	4 9/32	2.4
5/8"	6250	9250	13,500	1 1/8	2	5 7/32	4
3/4"	8850	12,500	19,250	1 3/8	2 1/8	5 51/64	6.5
7/8"	12,000	17,250	26,000	1 9/16	2 3/4	7 5/32	9.7
1"	15,500	22,700	34,000	1 13/16	3	8 3/32	14.5

"S" ratings are one-fourth breaking strength of BBB chain.

"H" ratings are one-fourth breaking strength of Hi-Strength chain.

"A" ratings are one-fourth breaking strength of Alloy chain.

ALLOY STEEL—FORGED HEAT TREATED—SELF COLORED

Note: Pedro Hooks furnished in two eye sizes 3/4" and 1" inside diameter. When ordering specify eye size required.

Dimensions: Inside Diameter of Eye, 3/4" or 1". Outside Diameter of Eye, 2 1/2". Throat of Hook, 7/8". Thickness of Hook, 1". Length Over-all, 5 3/4". Weight each, 2 1/2 lbs.

Inside Diam. of Eye Inches	UTS Tons
3/4	10
1	10

PEDRO or SLING HOOKS

A-3311



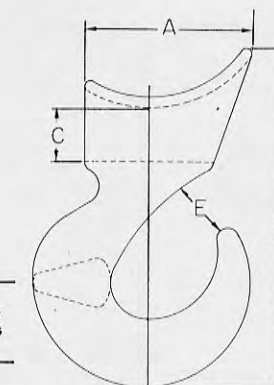
SLIDING CHOKER HOOKS

PATENT PENDING

Forged
Load-Rated®



A-350



- FORGED—ALLOY STEEL
- HIGH STRENGTH—to match today's slings.
- LIGHTER WEIGHT for safer—easier handling.
- WIDE THROAT to take heavy thimbles.

Single Part Rope Size	Eight Part Rope Size	Safe Working Load* Pounds	DIMENSIONS IN INCHES				Weight Pounds Each
			A	C	E	L	
3/8		2500	2 1/16	5/8	5/8	4	.8
1/2	1/8	3300	2 1/4	3/4	25/32	4 5/8	1.25
5/8	3/16	5000	3 1/16	3/4 or 1	29/32	6 3/8	2.5
3/4	1/4	8000	3 3/8	1 or 1 1/16	1 5/32	7 21/32	4.5

*Safety factor of five.

When ordering 5/8" or 3/4" sizes, EYE diameter ("C") should be specified.

Get Safety, long life and high strength with Crosby-Laughlin forged, heat-treated SLIDING CHOKER HOOKS.

Sleeve and eye design insures free movement on the wire rope with varying size loads. Hook opening accommodates heavy thimble.

BARREL HOOKS



G-377 S-377

FORGED GALVANIZED OR SELF COLORED

I.D. of Eye	1 9/16"
O.D. of Eye	2 13/16"
Over-all Length	5"
Width of Lip	2 7/8"
Weight Per Pair, 3 1/4 lbs.	
Safe Working Load, 1 Ton	

DRUM HOOKS



G-373 S-373

GALVANIZED OR SELF COLORED

Weight Per Set	10 lbs.
Safe Working Load	1 Ton

COMBINATION BARREL HOOKS



G-376 S-376

GALVANIZED OR SELF COLORED

Weight Per Set	10 1/2 lbs.
Safe Working Load	1 Ton

CROSBY-LAUGHLIN

Load Rated® TURNBUCKLES

SAFE • FORGED C-1035 STEEL • WELDLESS

Get guaranteed rated capacity with Crosby-Laughlin turnbuckles. Outstanding design features include elongated turnbuckle eyes. Shackles one size smaller than turnbuckles can be reeved through turnbuckle eye.

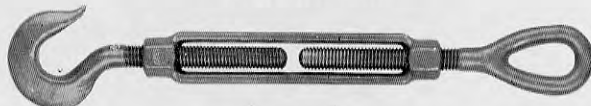
Compare the strength of Crosby-Laughlin hook end turn-

buckles. Popular sizes provide capacity equal to next larger size in many other turnbuckles.

Meets Federal Specifications FF-T-791a Type I Form 1—Body only Class 2, Stub End Class 3, Eye and Eye Class 4, Hook and Hook Class 5, Hook and Eye Class 6, Jaw and Jaw Class 7, Jaw and Eye Class 8.

SELF COLORED OR HOT DIP GALVANIZED

HOOK AND EYE



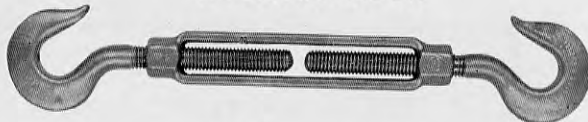
G-225 S-225

EYE AND EYE



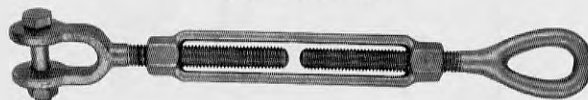
G-226 S-226

HOOK AND HOOK



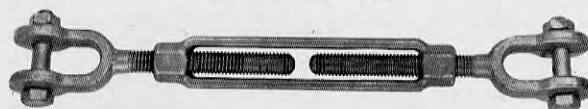
G-223 S-223

JAW AND EYE



G-227

JAW AND JAW



G-228

Diameter and Takeup Inches	Average Overall With Ends in Closed Position Inches	Weight Pounds Each		
		With Eyes or Hooks	Jaw and Eye	Jaw and Jaw
1/4 x 4	8 1/4	.31	.33	.35
5/16 x 4 1/2	9 5/16	.5	.53	.58
3/8 x 6	11 7/8	.79	.86	.93
1/2 x 6	13 5/16	1.42	1.54	1.66
9	16 5/16	1.83	1.95	2.07
12	19 5/16	2.01	2.19	2.37
5/8 x 6	15 1/2	2.61	2.81	3.02
9	18 1/2	2.81	3.01	3.22
12	21 1/2	3.12	3.32	3.53
3/4 x 6	17	3.6	3.87	4.18
9	20	4.69	4.98	5.27
12	23	5.07	5.36	5.65
18	29	6.21	6.51	6.81
7/8 x 12	24 5/8	8.1	8.75	9.4
18	30 5/8	9.93	10.6	11.2
1 x 6	20 5/8	8.75	9.15	9.5
12	26 5/8	10.4	11.2	12.1
18	32 5/8	13.2	14.1	14.9
24	38 5/8	15.9	16.8	17.6
1 1/4 x 12	29 7/8	19	20.5	22
18	35 7/8	23.4	24.9	26.4
24	41 7/8	27.8	29.3	30.9
1 1/2 x 12	32 3/8	26.1	28.2	30.3
18	38 3/8	37.5	39.6	41.8
24	44 3/8	43.1	45.2	47.3
*1 1/2 x 36	58 3/4	52.6	54.8	57
1 3/4 x 18	41 3/4	45	48.8	52.4
24	47 3/4	52.2	56	59.6
2 x 24	51 3/4	89.8	94.6	100
2 1/2 x 24	58 1/2	140	150	161
2 3/4 x 24	61 1/2	194	200	216

*Bodies have round ends.

When Ordering Be Sure to Specify:

1st—Diameter of thread.

2nd—Length of take-up.

3rd—Self Colored or Galvanized.

4th—Figure number which will designate the type of end fitting desired.

Jaw End Fittings, sizes 1/4" through 5/8" have Bolts and Nuts. Jaw End Fittings, sizes 3/4" through 2 3/4" have Pins and Cotters. Bolts and Nuts available on 3/4" through 2 3/4" Jaws on special order.

Galvanized Lock Nuts available for all sizes—R.H.—G4060, L.H.—G4061.

HOOKS NOT SUPPLIED ON SIZES LARGER THAN 1 1/2".

For Dimensions and Strength Data, see Pages 18 and 19.

STUB END



S-251

BODY ONLY



S-2510

G-2510

Diameter and Takeup Inches	Weight Pounds Each	
	With Stubs	Bodies Only
1/4 x 4	.29	.17
5/16 x 4 1/2	.46	.25
3/8 x 6	.75	.3
1/2 x 6	1.36	.55
9	1.69	.74
12	2	.93
5/8 x 6	2.18	.91
9	2.7	1.2
12	3.22	1.5
3/4 x 6	3.25	1.3
9	4	1.7
12	4.69	2.12
18	6.12	2.93
7/8 x 6	4.75	1.9
12	6.67	3
18	8.75	4.12
1 x 6	6.41	2.5
12	8.9	3.86
18	11.7	5.5
24	14.3	7
1 1/8 x 6	9	4
1 1/4 x 6	10.4	3.93
12	14.2	5.93
18	18	8
24	21.8	10
1 3/8 x 6	14	6
1 1/2 x 6	15.4	5.8
12	20.5	8.4
18	26.2	11.5
24	31.4	14.1
*1 1/2 x 36	47.0	20.0
1 5/8 x 6	20.4	8.9
1 3/4 x 6	22.7	8.75
18	36.9	16
24	43.9	19.5
2 x 6	31.5	12.5
24	60.3	27.5
2 1/2 x 6	60.8	27
24	110	54
2 3/4 x 24	128	54

*Bodies have round ends.

HOW TO SELECT TURNBUCKLES FOR GIVEN ROPE SIZE

STANDARD HOISTING ROPE

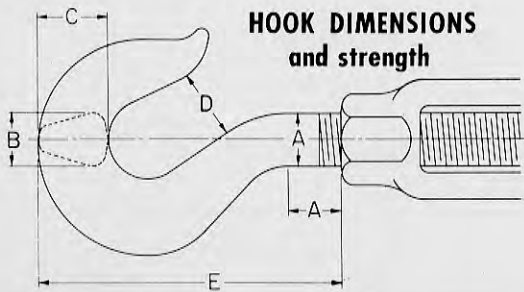
Wire Rope Size Inches	6 x 19 Plow Steel U.T.S. Pounds	Turnbuckles—Hook and Hook Inches	Jaws or Eyes Inches	6 x 19 Plow Steel U.T.S. Pounds	Turnbuckles—Hook and Hook Inches	Jaws or Eyes Inches	6 x 19 Imp. Plow Wire Center U.T.S. Pounds	Turnbuckles—Hook and Hook Inches	Jaws or Eyes Inches
3/8	10620	3/4	1/2	12200	3/4	5/8	13100	1	5/8
7/16	14380	1	5/8	16540	1 1/4	5/8	17700	1 1/4	3/4
1/2	18700	1 1/4	3/4	21400	1 1/4	3/4	23000	1 1/4	3/4
9/16	23600	1 1/4	3/4	27000	1 1/2	7/8	29000	1 1/2	7/8
5/8	29000	1 1/2	7/8	33400	1 1/2	7/8	35900	1 1/2	7/8
3/4	41400	1	1	47600	1	1	51100	1 1/4	1 1/4
7/8	56000	1 1/4	1 1/4	64400	1 1/4	1 1/4	69200	1 1/4	1 1/4
1	72800	1 1/4	1 1/4	83600	1 1/2	1 1/2	89800	1 1/2	1 1/2
1 1/8	91400	1 1/2	1 1/2	105200	1 1/2	1 1/2	113000	1 3/4	1 3/4
1 1/4	112400	1 3/4	1 3/4	129200	1 3/4	1 3/4	138000	1 3/4	1 3/4
1 3/8	135000	1 3/4	1 3/4	155400	2	2	167000	2	2
1 1/2	160000	2	2	184000	2	2	197000	2 1/2	2 1/2
1 5/8	186800	2 1/2	2 1/2	214000	2 1/2	2 1/2	230000	2 1/2	2 1/2
1 3/4	216000	2 1/2	2 1/2	248000	2 1/2	2 1/2	266600	2 1/2	2 1/2
1 7/8	246000	2 1/2	2 1/2	282000	2 1/2	2 1/2	303100	2 3/4	2 3/4
2	278000	2 1/2	2 1/2	320000	2 3/4	2 3/4	344000	2 3/4	2 3/4

U.T.S.—Manufacturers Rated Breaking Strength.

GALVANIZED WIRE ROPE

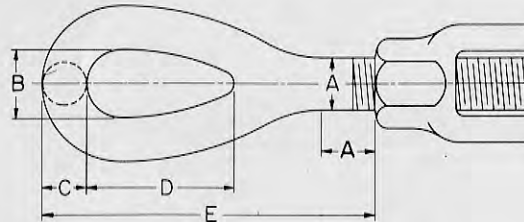
Wire Rope Size Inches	6 x 7 Mild Plow U.T.S. Pounds	Turnbuckles—Hook and Hook Inches	Jaws or Eyes Inches	6 x 19 Plow Steel U.T.S. Pounds	Turnbuckles—Hook and Hook Inches	Jaws or Eyes Inches
3/8	7900	5/8	1/2	9500	5/8	1/2
7/16	10800	5/8	1/2	12900	1	5/8
1/2	14000	1	5/8	16800	1 1/4	5/8
9/16	17600	1 1/4	3/4	21200	1 1/4	3/4
5/8	21600	1 1/4	3/4	26000	1 1/2	3/4
3/4	30900	1 1/2	7/8	37000	1 1/2	1
7/8	41700	1	1	50400	1 1/4	1 1/4
1	54000	1 1/4	1 1/4	65500	1 1/4	1 1/4
1 1/8	67800	1 1/4	1 1/4	82200	1 1/2	1 1/2
1 1/4	82900	1 1/2	1 1/2	101000	1 1/2	1 1/2

TURNBUCKLE
ENGINEERING DATA

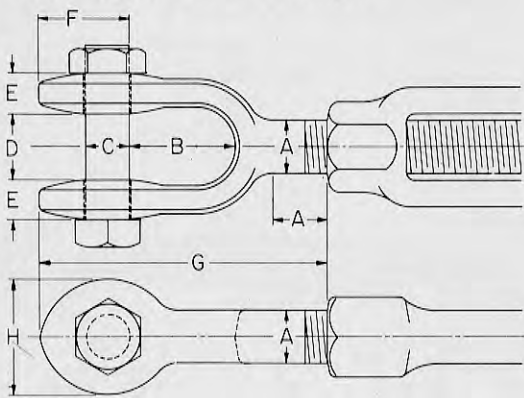


HOOK DIMENSIONS
and strength

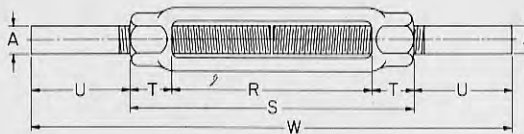
EYE DIMENSIONS and strength



JAW DIMENSIONS and strength



STUB END TURNBUCKLES
Dimensions and strength



Dimension "W" figured with stubs screwed in as shown.
To determine overall length of longer takeup turnbuckles
add the difference in takeup.

* PROOF LOAD TWICE SAFE WORKING LOAD
ULTIMATE LOAD FIVE TIMES SAFE WORKING LOAD

DIMENSIONS IN INCHES					Safe Working Load Lbs. *
A	B	C	D	E	
1/4	1/4	3/8	7/16	1 5/8	400
5/16	5/16	7/16	1/2	1 29/32	700
3/8	3/8	1 1/32	9/16	2 9/32	1000
1/2	1/2	1 1/16	1 1/8	2 27/32	1500
5/8	5/8	1 1/8	1 1/4	3 1/8	2250
3/4	3/4	1 1/4	1 1/2	4 1/4	3000
7/8	7/8	1 3/4	1 3/4	4 7/8	4000
1	1	1 3/4	1 3/4	5 1/2	5000
1 1/4	1 1/4	1 3/4	1 3/4	6 1/2	5000
1 1/2	1 1/2	1 3/4	1 3/4	8 1/2	7500

DIMENSIONS IN INCHES					Safe Working Load Lbs. *
A	B	C	D	E	
1/4	1 1/32	7/32	2 5/32	1 25/32	500
5/16	7/16	9/32	1 5/16	2 3/16	800
3/8	1 1/32	1 1/32	1 1/8	2 9/16	1200
1/2	2 3/32	7/16	1 7/16	3 7/32	2200
5/8	7/8	1/2	1 3/4	3 7/8	3500
3/4	1	5/8	2 1/8	4 11/16	5200
7/8	1 1/4	3/4	2 3/8	5 1/4	7200
1	1 7/16	7/8	3	6 3/8	10000
1 1/4	1 13/16	1 1/8	3 9/16	7 3/4	15200
1 1/2	2 1/8	1 1/4	4 1/8	8 5/8	21400
1 3/4	2 3/8	1 1/2	4 11/16	10	28000
2	2 11/16	1 3/4	5 3/4	12 1/8	37000
2 1/2	3 1/8	2	6 1/2	13 9/16	60000
2 3/4	3 1/4	2 1/4	7	15	75000

DIMENSIONS IN INCHES								Safe Working Load Lbs. *
A	B	C	D	E	F	G	H	
1/4	5/8	1/4	13/32	9/32	1/2	1 5/8	5/8	500
5/16	7/8	1/4	15/32	9/32	1/2	2	1 1/16	800
3/8	7/8	5/16	1/2	5/16	19/32	2 3/16	1 3/16	1200
1/2	1 1/16	3/8	5/8	13/32	3/4	2 3/4	1	2200
5/8	1 5/16	1/2	3/4	1/2	1 1/32	3 1/2	1 5/16	3500
3/4	1 1/2	5/8	1 5/16	9/16	1 9/32	4 1/8	1 5/8	5200
7/8	1 3/4	3/4	1 1/8	1 1/16	1 15/32	4 27/32	1 7/8	7200
1	2 1/16	7/8	1 3/16	2 5/32	1 21/32	5 17/32	2 1/8	10000
1 1/4	2 13/16	1 1/8	1 3/4	1	2 3/32	7 3/16	2 5/8	15200
1 1/2	2 13/16	1 3/8	2 1/16	1 1/16	2 15/32	7 7/8	3 1/8	21400
1 3/4	3 3/8	1 5/8	2 3/8	1 1/4	2 29/32	9 3/8	3 1/2	28000
2	3 11/16	2	2 1/2	1 9/16	3 17/32	10 7/8	4 3/16	37000
2 1/2	4 7/16	2 1/4	2 7/8	1 9/16	4 5/8	13 11/32	5 5/8	60000
2 3/4	4 3/16	2 3/4	3 1/2	1 5/8	5 3/8	15	6 1/8	75000

DIMENSIONS IN INCHES						Safe Working Load Lbs. *
A	R	S	T	U	W	
1/4	4	4 3/4	3/8	2 3/8	10	500
5/16	4 1/2	5 1/16	1 5/32	2 21/32	10 3/4	800
3/8	6	7 1/8	9/16	4 7/16	16	1200
1/2	6	7 1/2	3/4	4 1/4	16	2200
5/8	6	7 7/8	1 5/16	4 1/16	16	3500
3/4	6	8 1/4	1 1/8	4 3/8	17	5200
7/8	6	8 5/8	1 5/16	4 11/16	18	7200
1	6	9	1 1/2	5	19	10000
1 1/8	6	9 1/8	1 9/16	4 15/16	19	12400
1 1/4	6	9 1/8	1 9/16	5 7/16	20	15200
1 3/8	6	9 3/4	1 7/8	5 3/8	20 1/2	18000
1 1/2	6	9 3/4	1 7/8	5 3/8	20 1/2	21400
1 5/8	6	10 3/8	2 3/16	5 5/16	21	25000
1 3/4	6	10 3/8	2 3/16	5 13/16	22	28000
2	6	11	2 1/2	6	23	37000
2 1/2	6	13 1/2	3 3/4	6 1/4	26	60000
2 3/4	24	31 1/2	3 3/4	6 1/2	44 1/2	75000

STANDARD WIRE ROPE THIMBLES
GALVANIZED STEEL

For Rope Diam. Inches	DIMENSIONS IN INCHES						Weight Pounds Per 100
	Overall Length	Overall Width	Length Inside	Width Inside	Inside Width of Score	Maximum Pin Diam.	
1/8	1 15/16	1 1/16	1 5/16	1 1/16	5/32	5/8	3.3
3/16	1 15/16	1 1/16	1 5/16	1 1/16	7/32	5/8	3.3
* 1/4	1 15/16	1 1/16	1 5/16	1 1/16	9/32	5/8	3.3
* 5/16	2 1/8	1 1/4	1 1/2	1 3/16	3/8	3/4	4
* 3/8	2 3/8	1 15/32	1 5/8	1 5/16	7/16	7/8	7.5
* 1/2	2 3/4	1 3/4	1 7/8	1 1/8	9/16	1 1/16	13.8
* 5/8	3 1/2	2 3/8	2 1/4	1 3/8	1 1/16	1 1/4	36
3/4	3 3/4	2 11/16	2 1/2	1 5/8	1 3/16	1 1/2	50
7/8	5	3 3/16	3 1/2	1 7/8	1 5/16	1 3/4	90
1	5 11/16	3 3/4	4 1/4	2 1/2	1 1/16	2 3/8	105
1 1/8 - 1 1/4	6 1/4	4 5/16	4 1/2	2 3/4	1 5/16	2 5/8	186
1 1/2	7 1/2	5 3/8	5	3 1/4	1 9/16	3 1/8	340
1 3/4	10 3/4	7 1/4	7 1/4	4 1/4	1 7/8	4 1/8	594
2	10 3/4	7 1/4	7 1/4	4 1/4	2 1/8	4 1/8	594

* Sizes available in open pattern.

EXTRA HEAVY WIRE ROPE THIMBLES
GALVANIZED AND STAINLESS STEEL

For Rope Diam. Inches	DIMENSIONS IN INCHES						Weight Pounds Per 100
	Overall Length	Overall Width	Length Inside	Width Inside	Overall Thickness	Maximum Pin Diam.	
* 1/4	2 3/16	1 1/2	1 5/8	7/8	13/32	1 3/16	7.5
* 5/16	2 1/2	1 13/16	1 7/8	1 1/16	1/2	1 5/16	14
* 3/8	2 7/8	2 1/8	2 1/8	1 1/8	2 1/32	1 1/16	25
7/16	3 1/4	2 3/8	2 3/8	1 1/4	3/4	1 3/16	36
* 1/2	3 5/8	2 3/4	2 3/4	1 1/2	27/32	1 7/16	51
9/16	3 5/8	2 11/16	2 3/4	1 1/2	29/32	1 7/16	51
* 5/8	4 1/4	3 1/8	3 1/4	1 3/4	1	1 5/8	75
* 3/4	5	3 13/16	3 3/4	2	1 1/4	1 7/8	147
7/8	5 1/2	4 1/4	4 1/4	2 1/4	1 3/8	2 1/8	185
* 1	6 1/8	4 15/16	4 1/2	2 1/2	1 9/16	2 3/8	300
1 1/8 - 1 1/4	7	5 5/8	5 1/8	2 7/8	1 7/8	2 3/4	410
1 1/4 - 1 3/8	9 1/16	6 13/16	6 1/2	3 1/2	2 1/4	3 1/4	834
1 3/8 - 1 1/2	9	7 7/8	6 1/4	3 1/2	2 5/8	3 3/8	1200
1 5/8	11 1/4	8 7/8	8	4	2 3/4	3 7/8	1625
1 3/4	12 3/16	8 1/2	9	4 1/2	2 7/8	4 3/8	1800
1 7/8 - 2	15 1/8	10 3/8	12	6	3 1/8	5 7/8	2600
2 1/4	17 1/8	11 7/8	14	7	3 5/8	6 7/8	4300

* Sizes available in Stainless (304) Steel.

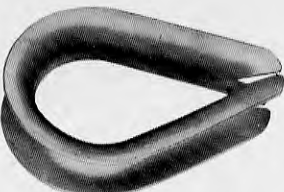
SLIP THROUGH WIRE ROPE THIMBLES

For Braided 8-Part Rope Size	DIMENSIONS IN INCHES						Weight Pounds Each
	Overall Length	Overall Width	Inside Length	Inside Width	Overall Thickness	Maximum Pin Diam.	
1/8	5 11/16	3 5/16	4 5/8	2	1 1/16	1 7/8	.6
3/16	7	4 3/16	5 3/4	2 1/2	7/8	2 3/8	1
1/4	9 13/16	5 3/4	8	3 3/8	1 3/16	3 3/16	3
5/16	12	7	9 7/8	4 1/4	1 9/16	4 1/8	6
3/8	13 5/8	7 7/8	11 1/4	4 3/4	1 3/4	4 5/8	7.5

SOLID WIRE ROPE THIMBLES

For Rope Diam. Inches	DIMENSIONS IN INCHES				Weight Pounds Each
	Overall Length	Overall Width	Thickness	Maximum Pin Diam.	
1/2	2 13/16	2 1/8	7/8	1	1
5/8	4 11/16	3 3/8	1 1/8	1 3/16	2.5
3/4	4 11/16	3 3/8	1 3/8	1 3/8	3.3
7/8	6 1/16	4 1/2	1 5/8	1 5/8	5
1	6 1/16	4 1/2	1 13/16	2	6.5
1 1/8	7 1/4	5 3/8	2 1/16	2 1/4	8.5
1 1/4 - 1 3/8	7 1/4	5 3/8	2 5/16	2 1/2	10

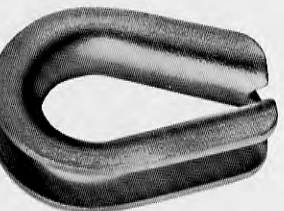
WIRE ROPE
THIMBLES



Standard

G-411 G-408 (Open Pattern)

Recommended for light duty service. G-411 meets Fed-
eral Specification FF-T-276a Type II.



Extra Heavy

G-414 SS-414 (stainless steel)

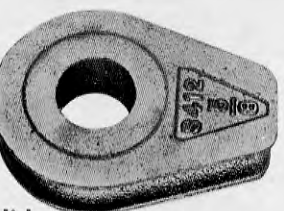
A rugged thimble, large in dimensions, with deep score
for easy installation and maximum protection of wire
rope. Made from a heavy steel section, it can withstand
the crushing strain on heavy duty jobs. Highly recom-
mended for use with all wire rope.

Thimbles G-414 meets Federal Specification FF-T-
276a Type III.



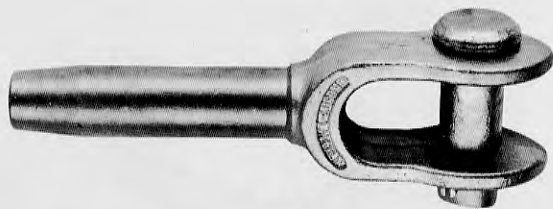
S-410 Slip Through

Special elongated design ideal for choker sling use.
Welded ends prevent distortion under heavy loads.
Deep scored to permit pressing over edge of thimble to
hold rope strands firmly in place.

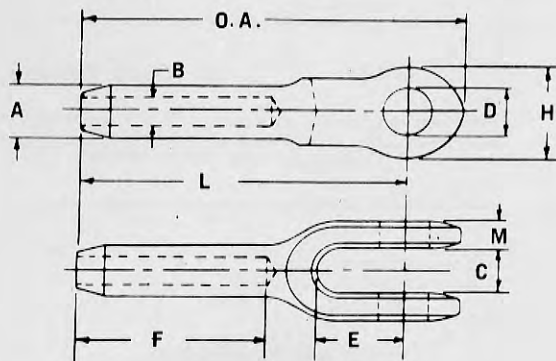


S-412 Solid

Solid design eliminates crushing. Fits open wire rope
socket, boom pendant clevis, as well as wedge socket.
Accurate pin hole sizes. Graphitic steel in smaller sizes.
Larger sizes cast from steel.



S-501



OPEN SWAGE SOCKETS

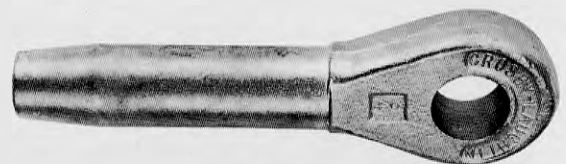
FORGED STEEL

Rope Diam. Inches	DIMENSIONS IN INCHES										Wt. Lbs. Each
	A	B	C	D	E	F	H	L	M	O.A.	
1/4	.495	.272	11/16	.750	1 1/2	1 7/8	1 3/8	4	5/16	4 13/16	.52
5/16	.770	.339	13/16	.875	1 3/4	2 13/16	1 5/8	5 5/16	13/32	6 1/4	1.12
3/8	.770	.406	13/16	.875	1 3/4	2 13/16	1 5/8	5 5/16	13/32	6 1/4	1.07
7/16	.982	.484	1	1.063	2	3 3/4	2	6 11/16	1/2	7 13/16	2.08
1/2	.982	.547	1	1.063	2	3 3/4	2	6 11/16	1/2	7 13/16	2.08
9/16	1.257	.609	1 1/4	1.250	2 1/4	4 11/16	2 1/2	8 1/8	5/8	9 9/16	4.48
5/8	1.257	.672	1 1/4	1.250	2 1/4	4 11/16	2 1/2	8 1/8	5/8	9 9/16	4.28
3/4	1.545	.796	1 1/2	1.469	2 3/4	5 5/8	3	10	3/4	11 11/16	7.97
7/8	1.700	.938	1 3/4	1.719	3 1/4	6 9/16	3 3/8	11 5/8	3/4	13 13/32	11.3
1	1.975	1.062	2	2.094	3 3/4	7 1/2	3 11/16	13 3/8	7/8	15 15/32	17.8
1 1/8	2.245	1.188	2 1/4	2.344	4 1/4	8 7/16	4 1/16	15	1	17 5/16	26.0
1 1/4	2.525	1.328	2 1/2	2.594	4 3/4	9 3/8	4 1/2	16 1/2	1 1/8	19 1/16	34.9
1 1/2	3.075	1.578	3	2.875	5 3/4	11 1/4	5 1/2	19 3/4	1 3/16	22 7/8	58.0

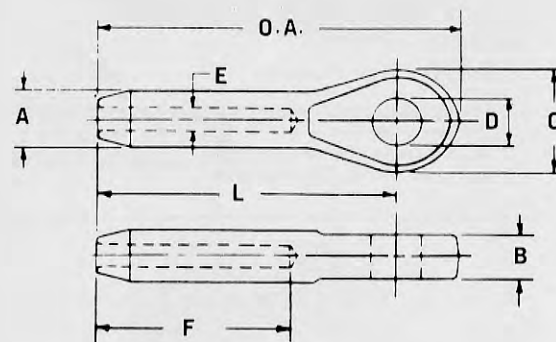
SWAGE SOCKETS

FORGED STEEL

Forged from special bar quality C-1035 steel, suitable for cold forging. Hardness controlled by spheroidize annealing.



S-502



CLOSED SWAGE SOCKETS

FORGED STEEL

Rope Diam. Inches	DIMENSIONS IN INCHES										Wt. Lbs. Each
	A	B	C	D	E	F	L	O.A.			
1/4	.495	1/2	1 7/16	.750	.272	1 7/8	3 1/2	4 3/8			.32
5/16	.770	11/16	1 11/16	.875	.339	2 13/16	4 1/2	5 1/2			.77
3/8	.770	11/16	1 11/16	.875	.406	2 13/16	4 1/2	5 1/2			.72
7/16	.982	7/8	2	1.063	.484	3 3/4	5 3/4	6 15/16			1.42
1/2	.982	7/8	2	1.063	.547	3 3/4	5 3/4	6 15/16			1.35
9/16	1.257	1 1/8	2 1/2	1.250	.609	4 11/16	7 1/4	8 11/16			2.92
5/8	1.257	1 1/8	2 1/2	1.250	.672	4 11/16	7 1/4	8 11/16			2.85
3/4	1.545	1 5/16	3	1.469	.796	5 5/8	8 5/8	10 3/8			4.90
7/8	1.700	1 1/2	3 1/2	1.719	.938	6 9/16	10 1/8	12 1/8			7.28
1	1.975	1 3/4	3 5/8	2.094	1.062	7 1/2	11 1/2	13 9/16			10.3
1 1/8	2.245	2	4	2.344	1.188	8 7/16	12 3/4	15 1/32			14.4
1 1/4	2.525	2 1/4	4 1/2	2.594	1.328	9 3/8	14 3/8	16 15/16			21.4
1 1/2	3.075	2 1/2	5 1/2	2.875	1.578	11 1/4	17	20 3/8			36.0

OPEN SPELTER SOCKETS

FORGED STEEL

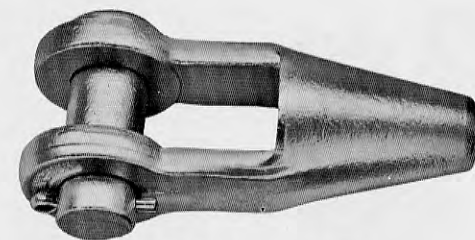
Wire Rope Diam. Inches	DIMENSIONS IN INCHES										Weight Pounds Each
	A	C	D	F	J	L	M	N			
1/4	4 5/16	11/16	11/16	5/16	2	1 9/16	1 5/16	5/16			.9
5/16-3/8	4 5/8	13/16	13/16	7/16	2	1 3/4	1 9/16	7/16			1.3
7/16-1/2	5 9/16	1	1	9/16	2 1/2	2	1 5/16	1/2			2.3
9/16-5/8	6 3/4	1 1/4	1 3/16	1 1/16	3	2 1/2	2 1/4	9/16			3.9
3/4	7 15/16	1 1/2	1 3/8	1 3/16	3 1/2	3	2 5/8	5/8			6
7/8	9 1/4	1 3/4	1 5/8	1 31/32	4	3 1/2	3 1/8	3/4			10
1	10 9/16	2	2	1 1/8	4 1/2	4	3 3/4	7/8			15.5
1 1/8	11 13/16	2 1/4	2 1/4	1 1/4	5	4 1/2	4 1/8	1			24
1 1/4-1 3/8	13 3/16	2 1/2	2 1/2	1 1/2	5 1/2	5	4 3/4	1 1/8			32
1 1/2	15 7/16	3	2 3/4	1 5/8	6	6 3/8	5 3/8	1 3/16			46
1 5/8	16 1/4	3	3	1 3/4	6 1/2	6 1/2	5 3/4	1 5/16			55
1 3/4-1 7/8	18 1/4	3 1/2	3 1/2	2	7 1/2	7	6 1/2	1 9/16			85
2-2 1/8	21 1/2	4	3 3/4	2 1/4	8 1/2	9	7	1 13/16			125
2 1/4-2 3/8	23 1/2	4 1/2	4 1/4	2 1/2	9	10	7 3/4	2 1/8			165

Cast steel open sockets for 2 1/2" through 4" wire rope available on special order.

SPELTER SOCKETS

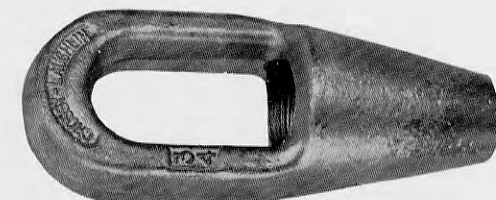
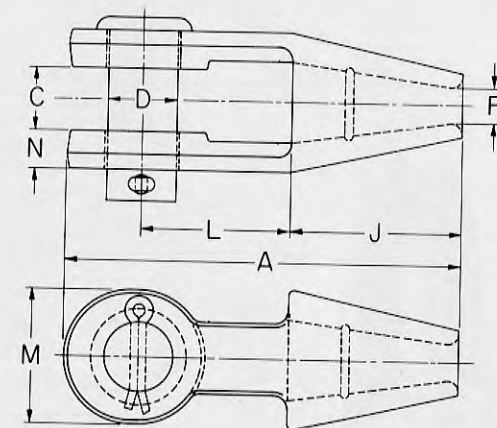
Open and closed spelter sockets are forged from C-1035 forging steel. Sockets are accurately aligned to keep rope axis perpendicular with pin and in line with bail. Jig drilled pin holes assure pin bearing against thimble.

Spelter grooves provided. Meets Federal Specification RR-S-550.



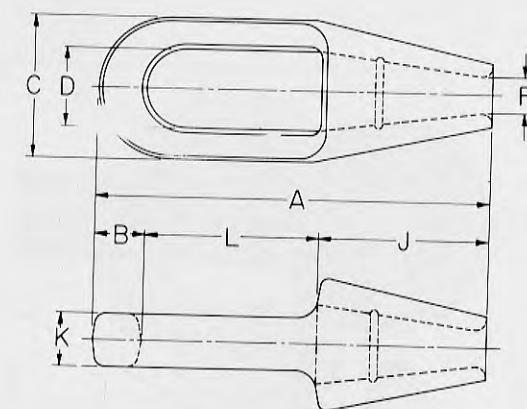
G-416

S-416



G-417

S-417



CLOSED SPELTER SOCKETS

FORGED STEEL

Wire Rope Diam. Inches	DIMENSIONS IN INCHES										Weight Pounds Each
	A	B	C	D	F	J	K	L			
1/4	4 1/4	7/16	1 7/16	13/16	5/16	2	1/2	1 13/16			.5
5/16-3/8	4 5/8	9/16	1 11/16	15/16	7/16	2	5/8	2 1/16			1
7/16-1/2	5 1/2	1 1/16	2	1 1/8	9/16	2 1/2	7/8	2 5/16			1.8
9/16-5/8	6 3/8	13/16	2 5/8	1 3/8	1 1/16	3	1	2 9/16			3.4
3/4	7 5/8	1 1/16	3	1 5/8	13/16	3 1/2	1 1/4	3 1/16			5.1
7/8	8 7/8	1 5/16	3 5/8	1 7/8	1 31/32	4	1 1/2	3 9/16			7.8
1	10	1 7/16	4 1/8	2 1/4	1 1/8	4 1/2	1 3/4	4 1/16			12
1 1/8	11 1/8	1 9/16	4 1/2	2 1/2	1 1/4	5	2	4 9/16			16
1 1/4-1 3/8	12 5/16	1 11/16	5	2 3/4	1 1/2	5 1/2	2 1/4	5 1/8			23
1 1/2	14 1/8	2	5 3/8	3 3/8	1 5/8	6	2 1/2	6 1/8			28
1 5/8	15 3/8	2 1/8	5 3/4	3 1/4	1 3/4	6 1/2	2 3/4	6 3/4			36
1 3/4-1 7/8	17 1/2	2 3/16	6 3/4	3 17/32	2	7 1/2	3	7 13/16			58
2-2 1/8	19 3/4	2 7/16	7 5/8	3 25/32	2 1/4	8 1/2	3 1/4	8 13/16			80
2 1/4-2 3/8	21 5/8	2 7/8	8 1/2	4 9/32	2 1/2	9	3 5/8	9 3/4			105

Cast steel closed sockets for 2 1/2" through 4" wire rope available on special order.



S-421

OPEN WEDGE SOCKETS

CAST STEEL

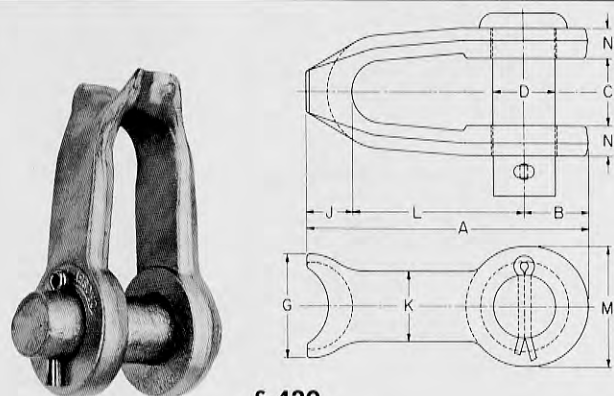
Pin diameter and jaw opening designed to open socket standards. High grade cast steel with Manganese content, heat treated to resist abrasion.

Wire Rope Diam. Inches	DIMENSIONS IN INCHES									Wt. Lbs. Each*
	A	B	C	D	G	L	M	N		
3/8	5 5/8	7/8	1 3/16	1 3/16	1 1/8	4 3/4	1 9/16	7/16		1.88
1/2	6 13/16	1 1/16	1	1	1 3/8	5 3/4	1 15/16	1/2		3.88
5/8	8 5/32	1 7/32	1 1/4	1 3/16	1 3/4	6 15/16	2 1/4	9/16		6.5
3/4	9 25/32	1 13/32	1 1/2	1 3/8	2 1/16	8 3/8	2 5/8	2 1/32		10.4
7/8	11 5/32	1 21/32	1 3/4	1 5/8	2 5/16	9 1/2	3 1/8	3/4		15.5
1	12 3/4	2	2	2	2 9/16	10 3/4	3 3/4	7/8		23.25

Catalog number S-421 includes wedge.

Catalog number S-421 W—wedge only.

*Includes wedge.



S-420

BOOM PENDANT CLEVIS

FORGED

Crosby-Laughlin fitting, designed for use on boom pendants and similar shackle applications. Dampens rope vibrations, distributes stresses evenly... are quick and easy to install and use. Use in combination with extra heavy thimble and solid thimble. Fittings re-usable when pendants are replaced.

Wire Rope Diam. Inches	DIMENSIONS IN INCHES											Wt. Lbs. Each
	A	B	C	D	G	J	K	L	M	N		
5/8	5 13/32	1 7/32	1 1/4	1 3/16	1 15/16	7/8	1 5/16	3 5/16	2 1/4	9/16		2.75
3/4	6 13/32	1 13/32	1 1/2	1 3/8	2 1/4	1	1 1/2	4	2 5/8	2 1/32		4.5
7/8	7 7/16	1 21/32	1 3/4	1 5/8	2 1/2	1 5/32	1 3/4	4 5/8	3 1/8	3/4		7.5
1	8	2	2	2	2 3/4	1 5/16	2	4 11/16	3 3/4	7/8		12.2
1 1/8	8 15/16	2 3/16	2 1/4	2 1/4	3 1/4	1 1/2	2 3/8	5 1/4	4 1/8	1		18.25
1 1/4-1 3/8	10 15/16	2 5/8	2 1/2	2 1/2	3 15/16	1 13/16	2 7/8	6 1/2	4 3/4	1 1/8		25

ELEVATOR SOCKET BOLTS

FORGED STEEL—WELDLESS—SELF COLORED

For Rope Diameter Inches	Weight Pounds Each		For Each Additional Inch Per Piece Add	Breaking Strength in Pounds
	12 Inches	18 Inches		
1/2	3.1	3.9	.12 lbs.	26000
5/8	4.6	5.6	.17	36000
3/4	7.2	8	.22	50000

For Rope Diameter Inches	DIMENSIONS IN INCHES						
	A	D	F	H	J	L	M
1/2	5 7/8	1 1/16	1 9/32	1 13/16	2 3/4	2 3/8	3/4
5/8	7 1/8	1 3/8	2 1/32	2 1/4	3 3/8	2 3/4	7/8
3/4	7 1/2	1 5/8	2 7/32	2 3/4	4	3 1/4	1

When ordering be sure to specify thread length "T" required.

*S—30" maximum shank possible.

ROD ENDS

FORGED

Shank Diam. Inches	Shank Lengths Std. Inches	Outside Diam. Eye Inches	Max. Diam. Drilled Hole Inches	Min. Diam. Drilled Hole Inches	Min. Breaking Strength Threading in Pounds
5/8	12	1 9/16	1 5/16	No Min.	17500
3/4	12	1 7/8	1 1/8	No Min.	26000
7/8	12	2 1/8	1 1/4	No Min.	36000
1	12	2 3/8	1 3/8	No Min.	50000
1 1/8	12-24	2 3/4	1 5/8	No Min.	62000
1 1/4	18	3	1 3/4	No Min.	76000
1 1/2	24	3 5/8	2 1/8	1 1/4	107000
1 3/4	24	4 5/16	2 9/16	1 13/16	140000
2	24	5	3	2 1/32	185000
2 1/2	24	6	3 1/2	2 1/2	300000
3	24	6 1/2	3 1/2	3 1/2	447000

Non-standard shank lengths available on special order.

LIFTING EYES

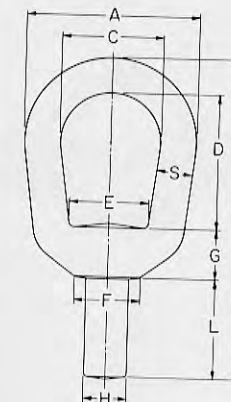
FORGED STEEL

Lifting Eyes fill the need where large eye dimensions are frequently needed to accommodate a hook for lifting or pulling. The Eye and Shank are forged in one piece.

Size No.	DIMENSIONS IN INCHES										Weight Pounds Each
	A	C	D	E	F	G	H	L	S	T	
1	1 1/4	3/4	1 1/16	1 9/32	1/2	3/8	5/16	1	1/4	2 11/16	.1
2	1 5/8	1	1 1/4	3/4	9/16	1/2	3/8	1 1/8	5/16	3 3/16	.2
3	2	1 1/4	1 1/2	1	13/16	5/8	1/2	1 1/4	3/8	3 3/4	.4
4	2 1/2	1 1/2	2	1 3/16	1	1 1/16	5/8	1 1/2	1/2	4 11/16	.75
5	3	1 3/4	2 3/8	1 3/8	1 1/8	7/8	3/4	1 3/4	5/8	5 5/8	1.37
6	3 1/2	2	2 5/8	1 5/8	1 5/16	1 5/16	7/8	2	3/4	6 5/16	2.05
7	4	2 1/4	3 1/16	1 7/8	1 9/16	1 1/16	1	3	7/8	8	3.5
8	4 1/2	2 1/2	3 1/2	1 15/16	1 7/8	1 1/4	1 1/8	2 1/2	1	8 1/4	4.75
9	5	2 3/4	3 3/4	2	2	1 3/8	1 1/4	2 3/4	1 1/8	9	6.25



S-405



EYE NUTS

FORGED STEEL—GALVANIZED—THREADED

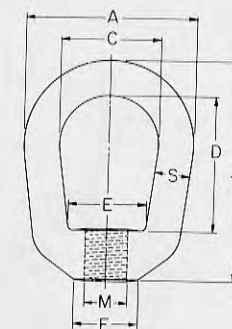
Size No.	Std. Tap M	DIMENSIONS IN INCHES								Max. Tap Size Possible	Weight Pounds Each
		A	C	D	E	F	S	T			
1	1/4	1 1/4	3/4	1 1/16	2 1/32	1/2	1/4	1 11/16	3/8		.1
1A	5/16	1 1/4	3/4	1 1/16	2 1/32	1/2	1/4	1 11/16	3/8		.1
2	3/8	1 5/8	1	1 1/4	3/4	9/16	5/16	2 1/16	7/16		.2
3	7/16	2	1 1/4	1 1/2	1	13/16	3/8	2 1/2	1/2		.31
3A	1/2	2	1 1/4	1 1/2	1	13/16	3/8	2 1/2	1/2		.31
4	5/8	2 1/2	1 1/2	2	1 3/16	1	1/2	3 3/16	3/4		.55
5	3/4	3	1 3/4	2 3/8	1 3/8	1 1/8	5/8	3 7/8	7/8		1
6	7/8	3 1/2	2	2 5/8	1 5/8	1 5/16	3/4	4 5/16	1		1.55
7	1	4	2 1/4	3 1/16	1 7/8	1 9/16	7/8	5	1 1/4		2.45
7A	1 1/8	4	2 1/4	3 1/16	1 7/8	1 9/16	7/8	5	1 1/4		2.45
8	1 1/4	4 1/2	2 1/2	3 1/2	1 15/16	1 7/8	1	5 3/4	1 1/2		3.75
9	1 3/8	5	2 3/4	3 3/4	2	2	1 1/8	6 1/4	1 1/2		5
10	1 1/2	5 5/8	3 1/8	4	2 3/8	2 1/4	1 1/4	6 3/4	1 3/4		6.75
11	2	7	4	6 1/4	4	3 3/8	1 1/2	10	2 3/4		16.75
11A	2 1/2	7	4	6 1/4	4	3 3/8	1 1/2	10	2 3/4		16.75

Order Eye Nuts by size number.



G-400 Eye Nuts

S-4028 Eye Nuts (blank)



PAD EYES

FOR WELDING—FORGED STEEL

Forged Pad Eyes are adaptable to many applications where compactness and strength are required. Forged from carbon steel with excellent qualities for welding, they are widely used in such varied applications as on farm machinery, auto trucks, steel-hulled marine and naval vessels, and lifting and material handling equipment throughout industry.

Size No.	Inside Diam. of Eye Inches	Outside Diam. of Eye Inches	Diam. of Shoulder Inches	Overall Height Inches	Weight Pounds Per 100
0	1/4	5/8	5/8	3/4	2.5
1	3/8	7/8	7/8	1 1/32	5.5
1 1/2	5/8	1 1/8	1	1 5/16	8
2	3/4	1 1/2	1 1/16	1 5/8	16.8
4	1	2 1/8	1 7/16	2 11/32	50
5	1 1/4	2 5/8	1 3/4	2 3/4	85



S-264

ROD ENDS

(sometimes called Straight Hole Eye Bolts or Swing Bolts) can be supplied in various shank lengths. Stocked in blank only, not drilled. Size hole that can be drilled is shown in table. Thickness of eye same as shank diameter.

CROSBY-LAUGHLIN Forged EYE BOLTS

GALVANIZED-FORGED • PROOF LOAD TWICE SAFE WORKING LOAD • BREAKING LOAD FIVE TIMES SAFE WORKING LOAD



G-291 Regular Nut

Shank Diam. and Length Inches	Length of Thread Inches	I.D. Inches	Eye Dim. O.D. Inches	Safe Working Load Pounds	Weight Pounds Per 100
1/4 x 2	1 1/2	1/2	1	500	8.88
1/4 x 4	2 1/2	1/2	1	500	11.5
5/16 x 2 1/4	1 1/2	5/8	1 1/4	800	15.68
5/16 x 4 1/4	2 1/2	5/8	1 1/4	800	16.8
3/8 x 2 1/2	1 1/2	3/4	1 1/2	1200	23.5
3/8 x 4 1/2	2 1/2	3/4	1 1/2	1200	27.5
3/8 x 6	2 1/2	3/4	1 1/2	1200	32
1/2 x 3 1/4	1 1/2	1	2	2200	54
1/2 x 6	3	1	2	2200	69
1/2 x 8	3	1	2	2200	78
1/2 x 10	3	1	2	2200	88
1/2 x 12	3	1	2	2200	100
5/8 x 4	2	1 1/4	2 1/2	3500	104
5/8 x 6	3	1 1/4	2 1/2	3500	120
5/8 x 8	3	1 1/4	2 1/2	3500	131
5/8 x 10	3	1 1/4	2 1/2	3500	152
5/8 x 12	4	1 1/4	2 1/2	3500	168
3/4 x 4 1/2	2	1 1/2	3	5200	165
3/4 x 6	3	1 1/2	3	5200	190
3/4 x 8	3	1 1/2	3	5200	208
3/4 x 10	3	1 1/2	3	5200	230
3/4 x 12	4	1 1/2	3	5200	255
3/4 x 15	5	1 1/2	3	5200	290
7/8 x 5	2 1/2	1 3/4	3 1/2	7200	252
7/8 x 8	4	1 3/4	3 1/2	7200	290
7/8 x 12	4	1 3/4	3 1/2	7200	340
1 x 6	3	2	4	10000	390
1 x 9	4	2	4	10000	470
1 x 12	4	2	4	10000	520
1 x 18	7	2	4	10000	650
1 1/4 x 8	4	2 1/2	5	15200	665
1 1/4 x 12	4	2 1/2	5	15200	800
1 1/4 x 20	6	2 1/2	5	15200	1200



G-277 Shoulder Nut

Shank Diam. and Length Inches	Length of Thread Inches	I.D. Inches	Eye O.D. Inches	Safe Working Load Pounds	Weight Pounds Per 100
1/4 x 2	1 1/2	1/2	7/8	500	6.25
1/4 x 4	2 1/2	1/2	7/8	500	9.88
5/16 x 2 1/4	1 1/2	5/8	1 1/8	800	12
5/16 x 4 1/4	2 1/2	5/8	1 1/8	800	17
3/8 x 2 1/2	1 1/2	3/4	1 3/8	1200	20.5
3/8 x 4 1/2	2 1/2	3/4	1 3/8	1200	27.5
1/2 x 3 1/4	1 1/2	1	1 3/4	2200	42
1/2 x 6	3	1	1 3/4	2200	59
5/8 x 4	2	1 1/4	2 1/4	3500	83
5/8 x 6	3	1 1/4	2 1/4	3500	99
3/4 x 4 1/2	2	1 1/2	2 3/4	5200	143
3/4 x 6	3	1 1/2	2 3/4	5200	177
7/8 x 5	2 1/2	1 3/4	3 1/4	7200	223
7/8 x 8	4	1 3/4	3 1/4	7200	266
1 x 6	3	2	3 3/4	10000	356
1 x 9	4	2	3 3/4	10000	420
1 1/4 x 8	4	2 1/2	4 1/2	15200	680
1 1/4 x 12	4	2 1/2	4 1/2	15200	700
1 1/2 x 15	6	3	5 1/2	21400	1400

Note long length of threads on G-291 and G-277 Nut Eye Bolts. This makes special in between lengths unnecessary.

All bolts galvanized after threading. Hex Nuts are American Standard Heavy, Hot Galvanized.

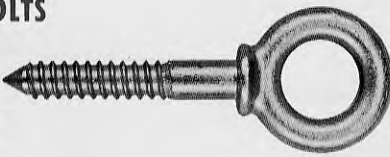
REGULAR SCREW EYE BOLTS

G-288



SHOULDER SCREW EYE BOLTS

G-275



Shank Diam. and Length Inches	Eye Regular I.D. Inches	Eye O.D. Inches	Eye Shoulder I.D. Inches	Eye O.D. Inches	Weight Pounds Per 100	Regular	Shoulder
1/4 x 2	1/2	1	1/2	7/8	6.25	4.5	
5/16 x 2 1/4	5/8	1 1/4	5/8	1 1/8	11.5	9	
3/8 x 2 1/2	3/4	1 1/2	3/4	1 3/8	20.3	17	
1/2 x 3 1/4	1	2	1	1 3/4	46	33	
5/8 x 4	1 1/4	2 1/2	1 1/4	2 1/4	83	66	
3/4 x 4 1/2	1 1/2	3	1 1/2	2 3/4	144	123	

NUT RING BOLTS

Diam. and Length Shank Inches	Length of Thread Inches	Inside Diam. of Ring Inches	Weight Pounds Per 100	G-261	G-257
1/4 x 2	1 1/2	1 3/4	17		16
1/4 x 4	2 1/2	1 3/4	19 3/4		17 1/2
5/16 x 2 1/4	1 1/2	2	30		27
5/16 x 4 1/4	2 1/2	2	34		29 1/2
3/8 x 2 1/2	1 1/2	2	46		40 5/8
3/8 x 4 1/2	2 1/2	2	52 1/2		46
* 3/8 x 6	2 1/2	2	57		
1/2 x 3 1/4	1 1/2	2 1/2	97 1/2		94
1/2 x 6	3	2 1/2	120		105
5/8 x 4	2	2 3/4	180		174
5/8 x 6	3	2 3/4	200		185
3/4 x 4 1/2	2	3	290		270
3/4 x 6	3	3	315		290

*Available in G-261 only.

SCREW RING BOLTS

Diam. and Length Shank Inches	Inside Diam. of Ring Inches	Weight Pounds Per 100	G-260	G-256
1/4 x 2	1 3/4	14		11 1/2
5/16 x 2 1/4	2	25		24
3/8 x 2 1/2	2	40		39
1/2 x 3 1/4	2 1/2	90		83
5/8 x 4	2 3/4	162		154
3/4 x 4 1/2	3	267		256

RIVET EYE BOLTS

Diam. and Length Shank—Inches	S-293	Weight Pounds Per 100	S-276	S-268	Inside Diameter of Eye in Inches	S-293—S-276	S-268
1/4 x 2	6 1/4	5 1/2	4 1/2	1/2	3/8		
1/4 x 4	10 3/8	9 1/2	8	1/2	3/8		
5/16 x 2 1/4	11 1/2	9	9	5/8	7/16		
5/16 x 4 1/4	18 1/4	14 1/2	14	5/8	7/16		
3/8 x 2 1/2	20 1/4	17	17	3/4	1/2		
3/8 x 4 1/2	25	24	24	3/4	1/2		
† 3/8 x 6	28			3/4			
1/2 x 3 1/4	46	33	31	1	3/4		
1/2 x 6	68	53	51	1	3/4		
5/8 x 4	83	66	61	1 1/4	7/8		
5/8 x 6	112	89	84	1 1/4	7/8		
3/4 x 4 1/2	144	123	111	1 1/2	1 1/16		
3/4 x 6	176	145	133	1 1/2	1 1/16		
7/8 x 5	221	188	160	1 3/4	1 1/4		
7/8 x 8	307	255	220	1 3/4	1 1/4		
1 x 6	340	298	228	2	1 7/16		
1 x 9	405	367	288	2	1 7/16		
1 1/4 x 8	660	616	533	2 1/2	2		
1 1/4 x 12	852	700	617	2 1/2	2		
* 1 1/2 x 15		1300		3			

†Available in S-293 only.

*Available in S-276 only.

BODY BOLTS

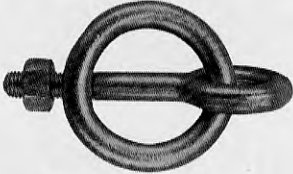
FORGED—WELDLESS

AVAILABLE—BLANK—WITH 3" THREAD—WITH HEX NUT—GALV. OR S.C.

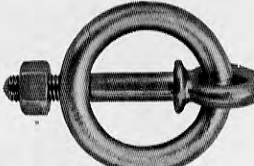
Diam. Shank Inches	Length Under Shoulder Inches	Inside Diam. of Eye Inches	Outside Diam. of Eye Inches	Overall Length Inches
1 1/4	4 1/2	2 1/2	4 3/4	9 1/2

FORGED—GALVANIZED

Bolts and rings forged from special bar quality carbon steel.

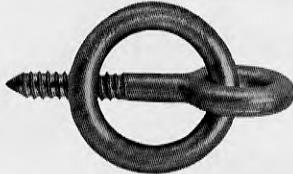


G-261 Regular

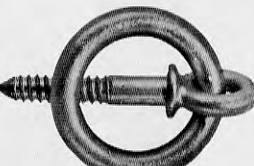


G-257 Shoulder

Diameter of stock in ring same as diameter of shank.



G-260 Regular



G-256 Shoulder

Diameter of stock in ring same as diameter of shank.



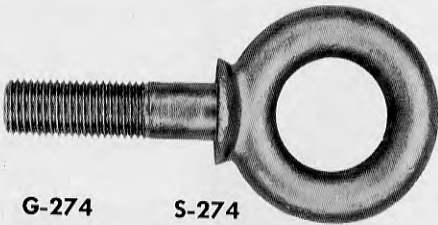
S-293 Regular



S-276 Shoulder



S-268 Shoulder, Small Eye



G-274

S-274

Genuine

LEBUS®

Strength to Break High Test Chain...

- EACH BINDER PROOF TESTED AT FACTORY
- FULLY GUARANTEED UNDER NORMAL USE
- ALL HOOKS HEAT TREATED ALLOY STEEL FOR MAXIMUM STRENGTH

LOAD BINDERS

COMPLETELY FORGED . . . HEAT TREATED

Why gamble lives and loads? Insist on GENUINE Lebus Load Binders. Solid and extra thick construction at leverage point, prevents spreading. The heel of the binder toggles away from the load permitting easy release. Ball and socket swivel joints at hook assemblies permit a straight line pull for easy use. For safer cross-town or cross-country hauling, secure your load with Genuine Lebus Load Binders. A size for every application.

SPECIFICATIONS

L-150 STANDARD LEBUS LOAD BINDERS

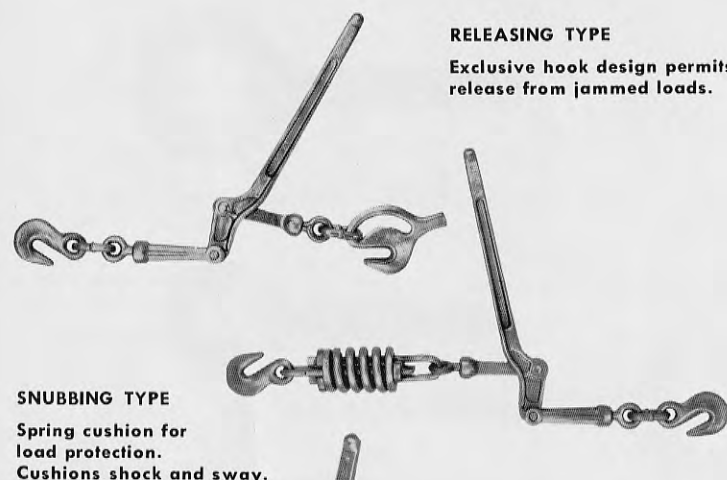
Model	Max. Chain Size Inches	Weight Pounds Each	Handle Length Inches	Take-Up Inches	Proof Load Pounds	Average Breaking Strength
7-1	3/8	6	16	4 1/2	10200	16200
A-1	1/2	9	18 1/2	4 1/2	16400	26000
C-1	5/8	13.5	19 1/2	4 3/4	23000	37000
L-1	3/4	20	23 1/4	4 1/2	32400	45000

L-150 Load Binders with links only 7-10, A-10, C-10, L-10.



L-150

Load-Rated®



RELEASING TYPE
Exclusive hook design permits release from jammed loads.

L-150 RELEASING LOAD BINDERS

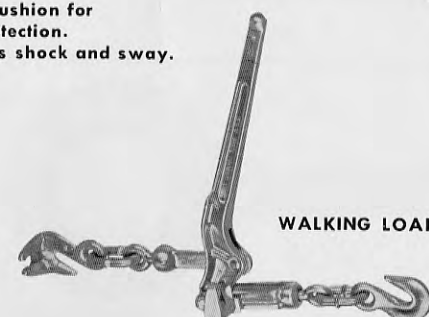
Model	Max. Chain Size Inches	Weight Pounds Each	Handle Length Inches	Take-Up Inches	Proof Load Pounds	Average Breaking Strength
7-14	3/8	6.5	16	4 1/4	10200	16200
A-14	1/2	10	18 1/2	4 1/2	16400	26000
C-14	5/8	15	19 1/2	4 3/4	23000	37000

L-150 LOAD BINDERS WITH SPRING SNUBBERS

Model	Max. Chain Size Inches	Weight Pounds Each	Handle Length Inches	Take-Up Inches	Compression Strength of Spring Pounds
7-12	3/8	10.8	16	4 1/4	2300
A-12	1/2	14.8	18 1/2	4 1/2	3300

L-150 WALKING LOAD BINDER

Model	Chain Size Inches	Weight Pounds Each	Handle Length Inches	Binder Proof Load Pounds
C-1W	1/2 Only	15.4	20	9500



WALKING LOAD BINDER

Genuine

LEBUS®

RATCHET TYPE LOAD BINDERS

- Offers continuous take-up feature—infinite adjustment—"gets the last half link of chain."
- Handy one piece assembly has no bolts and nuts to loosen. Ratchet spring is rust proofed.
- All load bearing or holding parts forged. Eye Bolts—Links—Hooks (alloy steel)
- Easy operating, foolproof, positive ratchet.
- No handle extension necessary to bind load tight.
- Provides complete safety in binding and releasing.



L-140

Load-Rated®

L-140 SPECIFICATIONS

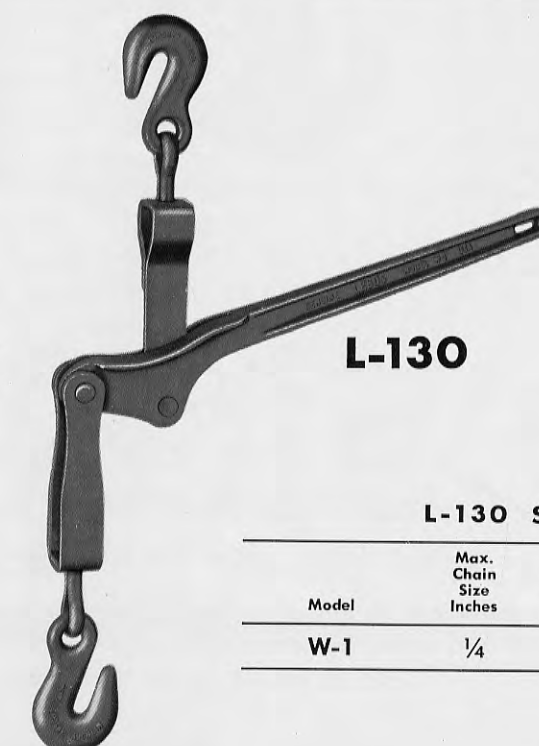
Model	Max. Chain Size Inches	Weight Pounds Each	Handle Length Inches	Barrel Length Inches	Take-Up Inches	Proof Load Pounds	Average Breaking Strength
R-7	3/8	9.5	14	10	8	10200	16200
R-A	1/2	10.5	14	10	8	16400	26000
R-C	5/8	12.5	14	10	8	23000	37000

Genuine

LEBUS®

MIDGET ALL STEEL LOAD BINDER

For 1/4" Chain



L-130

- FORGED HOOKS
- FORGED HANDLE
- STEEL SWIVELS
- STEEL SWIVEL LINK
- STEEL CLEVIS

L-130 SPECIFICATIONS

Model	Max. Chain Size Inches	Weight Pounds Each	Handle Length Inches	Take Up Inches	Capacity Pounds
W-1	1/4	2.5	11 1/4	2 1/2	5,000



L-195

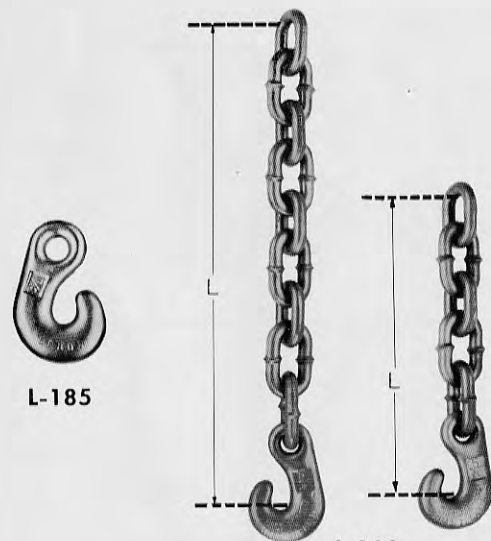
L-190

Specially designed for easy use, greater safety and long life. Forged from alloy steel and heat treated. Load binder type hook . . . breaks high test chain!

LEBUS FORGED GRAB HOOKS

SINGLE INDUSTRIAL		
Catalog No.	Maximum Chain Size—Inches	Weight Pounds Each
161	3/8	.5
181	1/2	1
201	5/8	1.5
231	3/4	2.5

DOUBLE INDUSTRIAL		
Catalog No.	Chain Size Inches	Weight Pounds Each
162	3/8	1.25
182	1/2	2.5
202	5/8	3.75
232	3/4	6.25



L-185

L-180

100% forged heat treated. One half of links forged solid—winch line always works through solid link. Half link joined through pressure welding.

LEBUS FORGED TAIL CHAINS

SPECIFICATIONS					
Cat. No.	Size and Type	Length L Inches	Weight Pounds Each	Average Breaking Strength	Proof Test Pounds
459	3/8" Standard	17 3/8	3	16200	8500
449	3/8" Short	10 3/4	2	16200	8500
469	3/8" Hook Only	—	.75	16200	8500
460	1/2" Standard	18 3/8	5.5	26000	13700
450	1/2" Short	11 3/4	4.25	26000	13700
470	1/2" Hook Only	—	2.5	26000	13700
461	5/8" Standard	22 1/8	8.5	36900	19500
451	5/8" Short	13 3/8	5.75	36900	19500
471	5/8" Hook Only	—	2.5	36900	19500
462	3/4" Standard	24 1/4	13.5	50400	27000
452	3/4" Short	15	9.25	50400	27000
472	3/4" Hook Only	—	3.75	50400	27000
463	7/8" Standard	25 1/2	19.3	67500	33750
453	7/8" Short	16 1/8	13	67500	33750
473	7/8" Hook Only	—	4.75	67500	33750
464	*1"-1 1/8" Standard	22	23.3	90000	40000
454	*1"-1 1/8" Short	17	19.5	90000	40000
474	1"-1 1/8" Hook Only	—	8.75	90000	40000

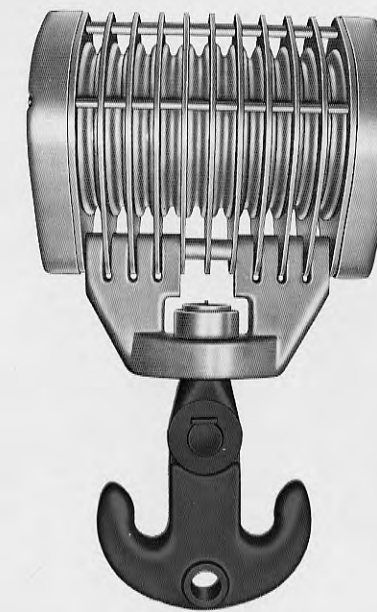
* Alloy chain

L-197 PULL BACK SPRING

2" x 60" —For drilling rig use—Case Tong Spring 17 pounds



The AMERICAN Revolver Crane, equipped with Crosby-Laughlin forged fittings and McKissick blocks, is shown setting a section of a prefabricated Tainter gate on a large dam construction project.



McKISSICK Block No. 5010-D

30" — 10 sheave, 200-ton lower main load block shown in use on this AMERICAN Revolver Crane.

McKISSICK

CONSTRUCTION BLOCKS • CRANE BLOCKS
SNATCH BLOCKS • SPECIAL BLOCKS

"a better block for every purpose"

DELUXE CRANE BLOCKS

(HOOK BLOCKS)



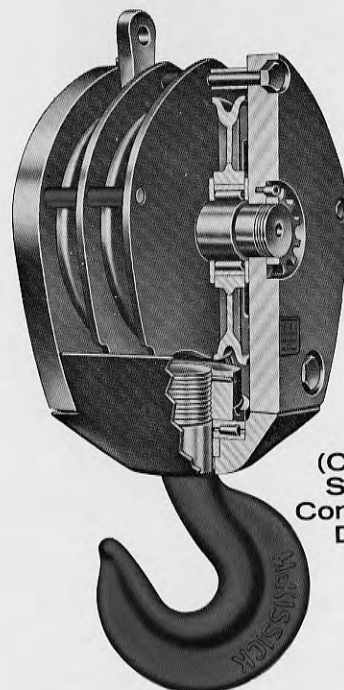
332
(Double)



333
(Triple)



334
(Quad)



333
(Cutaway
Showing
Construction
Details)

- All steel construction, extra heavy rolled steel side plates completely shroud sheaves. Completely streamlined, all pins and bolts recessed, nothing to hang up.
- May be furnished Bronze Bushed, Hyatt Roller Bearing, or Double Row Sealed Timken Bearing Sheaves.
- Alloy steel flame hardened sheaves, extra large pins and bearing diameters, Alemite lubrication throughout.
- Compact, short overall design, convenient dead end for open type wire rope socket. Stocked in sizes shown below, can be made in any size sheaves for any desired capacity.
- Blocks listed at right are with single hooks. All may be furnished with duplex hooks or swivel shackles, which increase capacities, prices upon request.

SPECIFICATIONS SERIES 330

Block Number	Safe Working Load, Tons	Sheave Size Inches	Number of Sheaves	Center Pin Diameter Inches	Wire Rope Size Inches	Weight Pounds (Each)
10" 331 Single	7½	10	1	2	5/8-3/4	112
10" 332 Double	10	10	2	2	5/8-3/4	150
14" L-331 Single	15	14	1	2	5/8-3/4	205
14" L-332 Double	20	14	2	2	5/8-3/4	265
14" L-333 Triple	25	14	3	2	5/8-3/4	425
14" 331 Single	20	14	1	2¾	¾-7/8	365
14" 332 Double	30	14	2	2¾	¾-7/8	425
14" 333 Triple	35	14	3	2¾	¾-7/8	610
14" 334 Quad	45	14	4	2¾	¾-7/8	800
18" L-331 Single	20	18	1	4	7/8-1	415
18" L-332 Double	30	18	1	4	7/8-1	600
18" L-333 Triple	40	18	3	4	7/8-1	700
18" L-334 Quad	60	18	4	4	7/8-1	780
18" 331 Single	25	18	1	4	7/8-1	625
18" 332 Double	40	18	2	4	7/8-1	910
18" 333 Triple	60	18	3	4	7/8-1	1050
18" 334 Quad	80	18	4	4	7/8-1	1325
18" 335 Quint	100	18	5	4	7/8-1	1500
20" L-331 Single	25	20	1	3	7/8-1	550
20" L-332 Double	35	20	2	3	7/8-1	650
20" L-333 Triple	45	20	3	3	7/8-1	800
20" 332 Double	50	20	2	4	7/8-1	1170
20" 333 Triple	65	20	3	4	7/8-1	1345
20" 334 Quad	80	20	4	4	7/8-1	1400
24" L-331 Single	30	24	1	4	1-1 1/8	800
24" L-332 Double	40	24	2	4	1-1 1/8	850
24" L-333 Triple	50	24	3	4	1-1 1/8	1300
24" 331 Single	40	24	1	5¼	1-1 1/8	1075
24" 332 Double	60	24	2	5¼	1-1 1/8	1500
24" 333 Triple	80	24	3	5¼	1-1 1/8	1900
24" 334 Quad	100	24	4	5¼	1-1 1/8	2250
*24" 351 Single	40	24	1	4¼	1-1 1/8	1075
*24" 352 Double	75	24	2	4¼	1-1 1/8	1500
*24" 353 Triple	90	24	3	4¼	1-1 1/8	1800
*24" 354 Quadruple	130	24	4	4¼	1-1 1/8	2300
*24" 355 Quintuple	165	24	5	4¼	1-1 1/8	3300

*Fitted with double row sealed Timken bearing sheaves.

HI-LIFT

CRANE BLOCKS

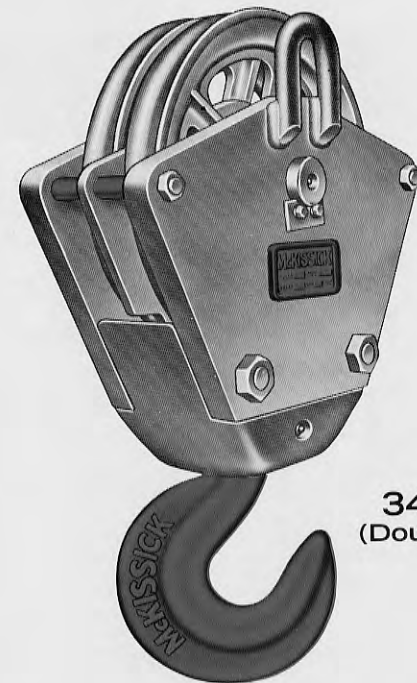
(HOOK BLOCKS)

SERIES 340

McKISSICK



341
(Single)



342
(Double)



343
(Triple)

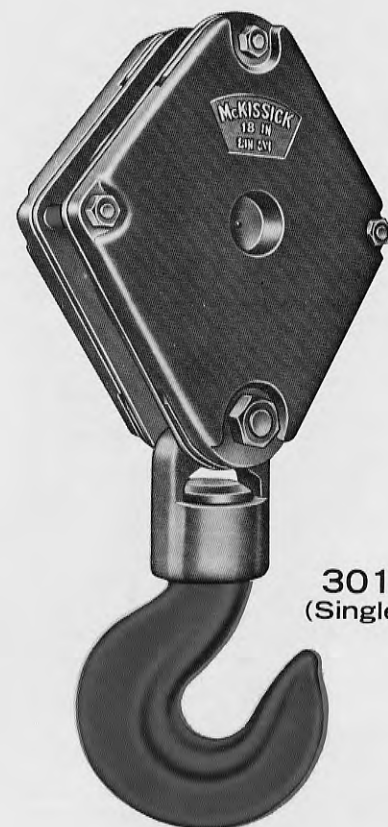


W-343
(Weighted)

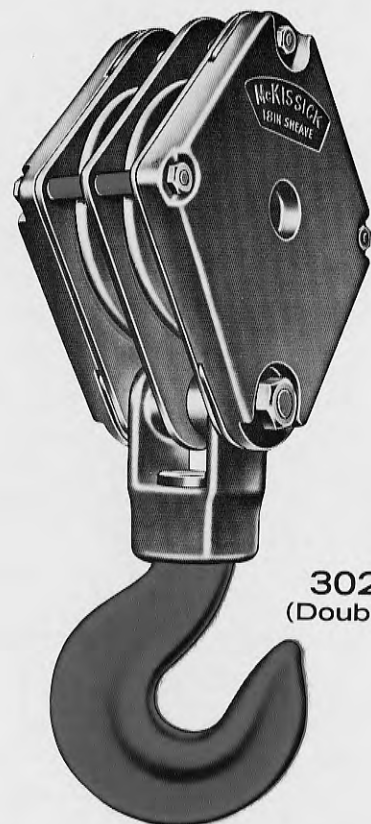
- Extra High Lifting — Extremely short overall length.
- All Steel construction, flame hardened sheaves, large center pins, Alemite lubrication to all sheaves and hooks.
- May be furnished bronze bushed or roller bearing sheaves.
- Permanently affixed drop forged name plate, giving capacity in tons, size and other pertinent information at a glance.
- Heavy rolled steel side plates, ample for free falls, but may be further weighted as required, shown above.

SPECIFICATIONS SERIES 340

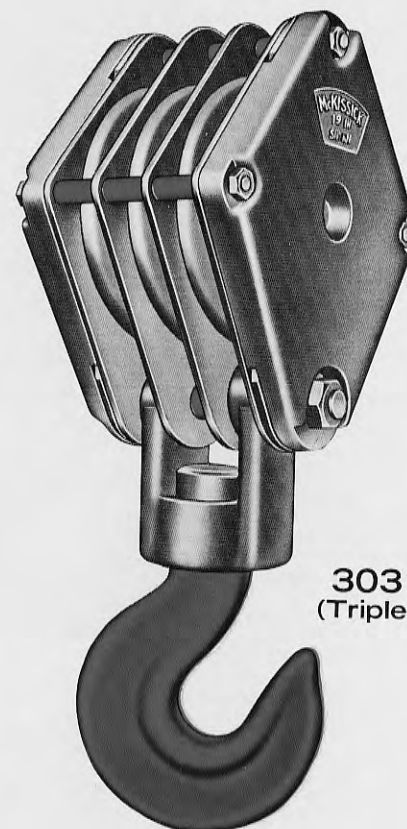
Block Number	Safe Working Load, Tons	Sheave Size Inches	Number of Sheaves	Center Pin Diameter Inches	Wire Rope Size Inches	Weight Pounds (Each)
10" 341 Single	5	10	1	1 1/2	5/8-3/4	118
10" 342 Double	7 1/2	10	2	1 1/2	5/8-3/4	150
14" 341 Single	10	14	1	2	5/8-3/4	165
14" 342 Double	15	14	2	2	5/8-3/4	215
14" 343 Triple	20	14	3	2	5/8-3/4	255
14" 344 Quad	25	14	4	2		362
14" W-341 Single	10	14	1	2	5/8-3/4	300
14" W-342 Double	15	14	2	2	5/8-3/4	350
14" W-343 Triple	20	14	3	2	5/8-3/4	390
14" W-344 Quad	25	14	4	2	5/8-3/4	500
14" H-341 Single	15	14	1	2 3/4	3/4-7/8	250
14" H-342 Double	25	14	2	2 3/4	3/4-7/8	320
14" H-343 Triple	35	14	3	2 3/4	3/4-7/8	415
16" 341 Single	15	16	1	2 1/2	3/4-7/8	250
16" 342 Double	22	16	2	2 1/2	3/4-7/8	320
16" 343 Triple	30	16	3	2 1/2	3/4-7/8	375
16" W-341 Single	15	16	1	2 1/2	3/4-7/8	485
16" W-342 Double	22	16	2	2 1/2	3/4-7/8	555
16" W-343 Triple	30	16	3	2 1/2	3/4-7/8	610
18" 341 Single	20	18	1	2 3/4	7/8-1	385
18" 342 Double	30	18	2	2 3/4	7/8-1	480
18" 343 Triple	35	18	3	2 3/4	7/8-1	575
18" 344 Quad	45	18	4	2 3/4	7/8-1	700
18" W-341 Single	20	18	1	2 3/4	7/8-1	655
18" W-342 Double	30	18	2	2 3/4	7/8-1	750
18" W-343 Triple	35	18	3	2 3/4	7/8-1	845
18" W-344 Quad	45	18	4	2 3/4	7/8-1	1000
20" 341 Single	25	20	1	3	7/8-1	425
20" 342 Double	35	20	2	3	7/8-1	575
20" 343 Triple	40	20	3	3	7/8-1	750
20" 344 Quad	50	20	4	3	7/8-1	915
20" W-341 Single	25	20	1	3	7/8-1	740
20" W-342 Double	35	20	2	3	7/8-1	890
20" W-343 Triple	40	20	3	3	7/8-1	1065
20" W-344 Quad	50	20	4	3	7/8-1	1230
20" H-342 Double	45	20	2	4	7/8-1	875
20" H-343 Triple	55	20	3	4	7/8-1	1150
24" 341 Single	30	24	1	4	1-1 1/8	600
24" 342 Double	40	24	2	4	1-1 1/8	775
24" 343 Triple	50	24	3	4	1-1 1/8	975
24" 344 Quad	60	24	4	4	1-1 1/8	1135
24" W-341 Single	30	24	1	4	1-1 1/8	1000
24" W-342 Double	40	24	2	4	1-1 1/8	1175
24" W-343 Triple	50	24	3	4	1-1 1/8	1375
24" W-344 Quad	60	24	4	4	1-1 1/8	1535



301
(Single)



302
(Double)

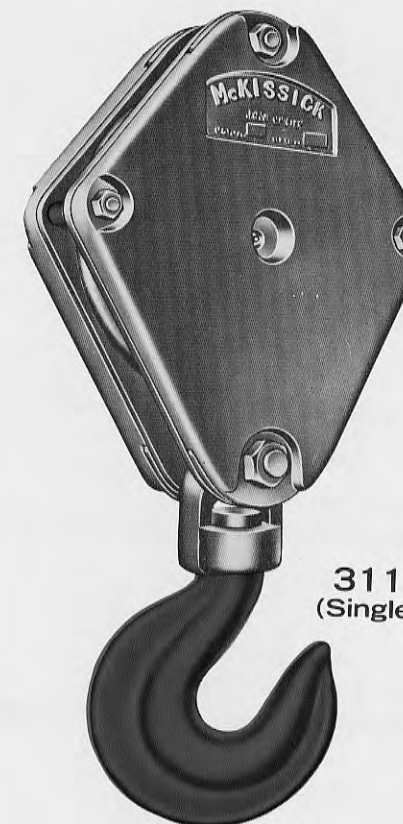


303
(Triple)

- Extra Heavy Weighted Drop Block, all steel construction with Iron Cheek Weights.
- Alloy Steel Flame Hardened Sheaves, with High Speed Bronze Bushings or full roller bearings, Alemite lubrication.
- Extra Large Center Pins and Bearing Diameters.
- Bronze Bushed Blocks have ample capacity, but for high speed service we recommend roller bearing blocks.
- Roller Bearing Blocks also reduce friction, and insure a freer, faster fall. Sizes listed carried in stock. . . . Available in numerous sheave sizes, capacities, and number of sheaves. Can be weighted to suit your requirements. . . . Can be furnished with steel cheek weights.

SPECIFICATIONS SERIES 300

Block Number	Safe Working Load, Tons	Sheave Size Inches	Number of Sheaves	Center Pin Diameter Inches	Wire Rope Size Inches	Weight Pounds (Each)
14" 301 Single	15	14	1	2 3/4	3/4	385
14" 302 Double	20	14	2	2 3/4	3/4	435
14" 303 Triple	25	14	3	2 3/4	3/4	500
18" 301 Single	25	18	1	4	1	800
18" 302 Double	35	18	2	4	1	875
18" 303 Triple	45	18	3	4	1	950
24" 301 Single	35	24	1	4	1	1200
24" 302 Double	50	24	2	4	1	1600
24" 303 Triple	60	24	3	4	1	1950



311
(Single)



312
(Double)



313
(Triple)

- Medium Weight Drop Block, all Steel construction, with iron cheek weights.
- Flame Hardened Steel Sheaves with high speed bronze or roller bearings.

SPECIFICATIONS SERIES 310

Block Number	Safe Working Load, Tons	Sheave Size Inches	Number of Sheaves	Center Pin Diameter Inches	Wire Rope Size Inches	Weight Pounds (Each)
10" 311 Single	5	10	1	1 1/2	5/8	100
10" 312 Double	10	10	2	1 1/2	5/8	135
10" 313 Triple	15	10	3	1 1/2	5/8	175
14" 311 Single	10	14	1	2	3/4	175
14" 312 Double	15	14	2	2	3/4	235
14" 313 Triple	20	14	3	2	3/4	300
18" 311 Single	15	18	1	2 3/4	7/8	450
18" 312 Double	25	18	2	2 3/4	7/8	600
18" 313 Triple	35	18	3	2 3/4	7/8	700



54010
(10 Ton)

- Top designed to fit these standard fittings:
Open Wedge Socket or Standard Clevis.
- SEALED plain or roller thrust bearings, alemite lubricated.
- Wide range of capacities and weights, short over-all lengths.
- Forged steel swivel hook with integral cam for safety latch installation at any time, or may be ordered complete with safety latch.

McKISSICK OVERHAUL BALLS, WITH NO UPPER CONNECTION

Rated Size	Ball Weight Pounds Each	For Standard Fitting (Size)	Plain Bearing Number	Roller Thrust Bearing Number
3 Ton	75	5/8"	50703	50703-R
3 Ton	200	5/8"	52003	52003-R
5 Ton	125	3/4"	51205	51205-R
5 Ton	250	3/4"	52505	52505-R
7½ Ton	200	7/8"	52007	52007-R
10 Ton	200	1"	52010	52010-R
10 Ton	400	1"	54010	54010-R
15 Ton	400	1"	54015	54015-R
15 Ton	450	1 1/8"	54515	54515-R

COMPLETE WITH STANDARD CLEVIS

Rated Size	Ball Weight Pounds Each	Plain Bearing Number	Roller Thrust Bearing Number
3 Ton	75	C-50703	C-50703-R
3 Ton	200	C-52003	C-52003-R
5 Ton	125	C-51205	C-51205-R
5 Ton	250	C-52505	C-52505-R
7½ Ton	200	C-52007	C-52007-R
10 Ton	200	C-52010	C-52010-R
10 Ton	400	C-54010	C-54010-R
15 Ton	400	C-54015	C-54015-R
15 Ton	450	C-54515	C-54515-R

- For attachment to any size wire rope with the use of thimble and rope clips.



C-54015
(15 Ton)

COMPLETE WITH WEDGE & SOCKET

W-51205
(5 Ton)

- In ordering, please specify wire rope size desired. If no size is indicated, balls will be shipped with the larger size of listed fitting.

Rated Size	Ball Weight Pounds Each	Wire Rope Size Inches	Plain Bearing Number	Roller Thrust Bearing Number
3 Ton	75	1/2 or 5/8	W-50703	W-50703-R
3 Ton	200	1/2 or 5/8	W-52003	W-52003-R
5 Ton	125	5/8 or 3/4	W-51205	W-51205-R
5 Ton	250	5/8 or 3/4	W-52505	W-52505-R
7½ Ton	200	3/4 or 7/8	W-52007	W-52007-R
10 Ton	200	7/8 or 1	W-52010	W-52010-R
10 Ton	400	7/8 or 1	W-54010	W-54010-R
15 Ton	400	7/8 or 1	W-54015	W-54015-R
15 Ton	450	1 or 1 1/8	W-54515	W-54515-R



**64515
(15 TON)**

- TOP SWIVEL assures that as line spins ball remains stationary.
- Complete range of weights and capacities — short overall lengths.
- SEALED plain or roller thrust bearings, Alemite lubricated.
- Designed to fit Standard Clevis and Open Wedge Socket.
- HOOK HAS FREE MOVEMENT IN ALL PLANES — Forged steel eye hook with integral cam for safety latch installation at any time, or may be ordered complete with safety latch.

**TOP SWIVELING OVERHAUL BALLS,
WITH NO UPPER CONNECTION**

Rated Size	Ball Weight Pounds (Each)	For Standard Fitting (Size)	Plain Bearing Number	Roller Thrust Bearing Number
3 Ton	75	5/8"	60703	60703-R
5 Ton	50	3/4"	60505	60505-R
5 Ton	125	3/4"	61205	61205-R
5 Ton	250	3/4"	62505	62505-R
7 1/2 Ton	200	7/8"	62007	62007-R
10 Ton	100	3/4"	61010	61010-R
10 Ton	200	1"	62010	62010-R
10 Ton	400	1"	64010	64010-R
15 Ton	450	1"-1 1/8"	64515	64515-R
15 Ton	650	1"-1 1/8"	66515	66515-R

TOP SWIVELING
Overhaul Balls Complete with Wedge and Socket

Rated Size	Ball Weight Pounds (Each)	For Standard Fitting (Size)	Plain Bearing Number	Roller Thrust Bearing Number
3 Ton	75	5/8"	W60703	W60703-R
5 Ton	50	3/4"	W60505	W60505-R
5 Ton	125	3/4"	W61205	W61205-R
5 Ton	250	3/4"	W62505	W62505-R
7 1/2 Ton	200	7/8"	W62007	W62007-R
10 Ton	100	3/4"	W61010	W61010-R
10 Ton	200	1"	W62010	W62010-R
10 Ton	400	1"	W64010	W64010-R
15 Ton	450	1"-1 1/8"	W64515	W64515-R
15 Ton	650	1"-1 1/8"	W66515	W66515-R



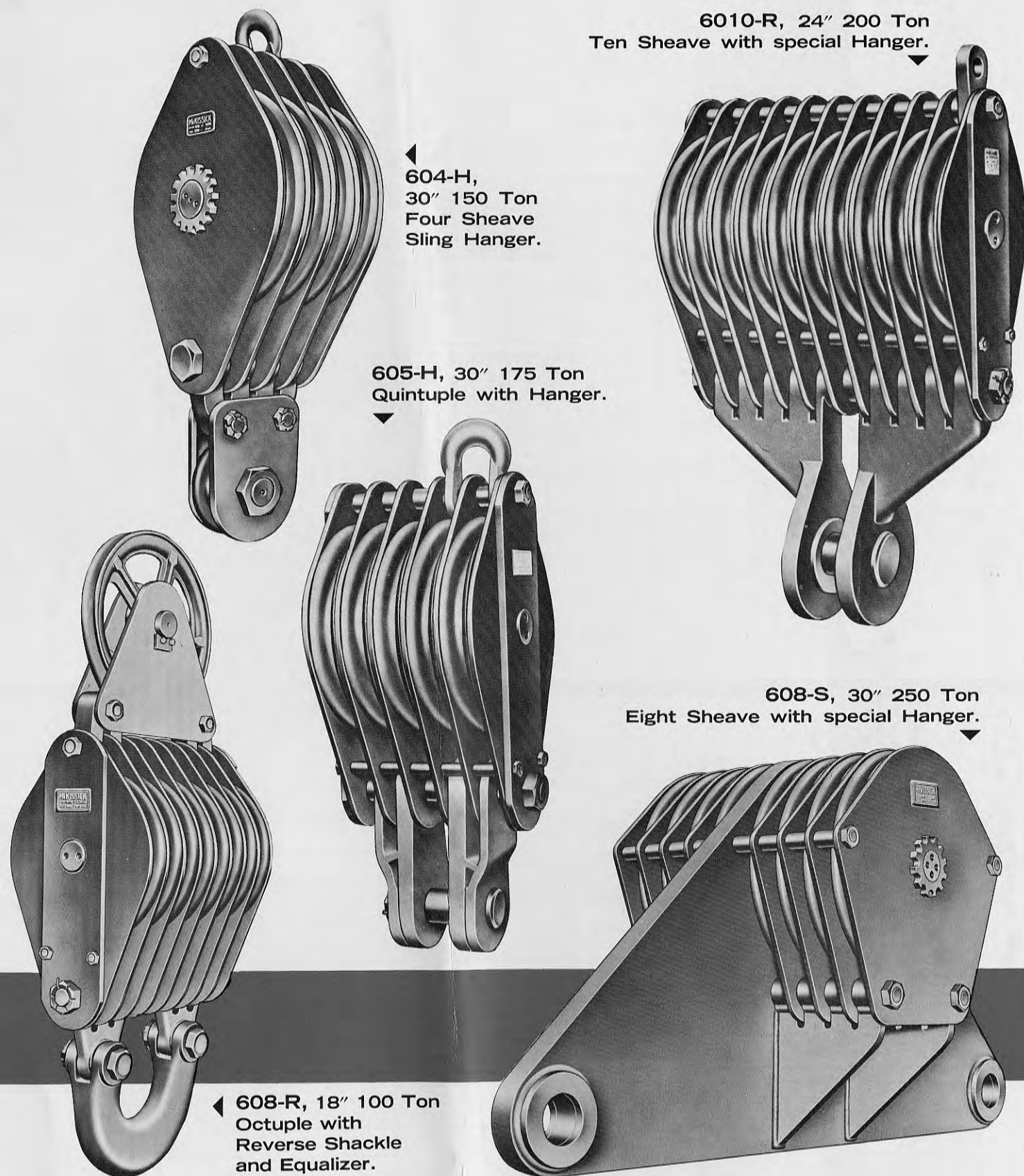
**W-64515
(15 TON)**



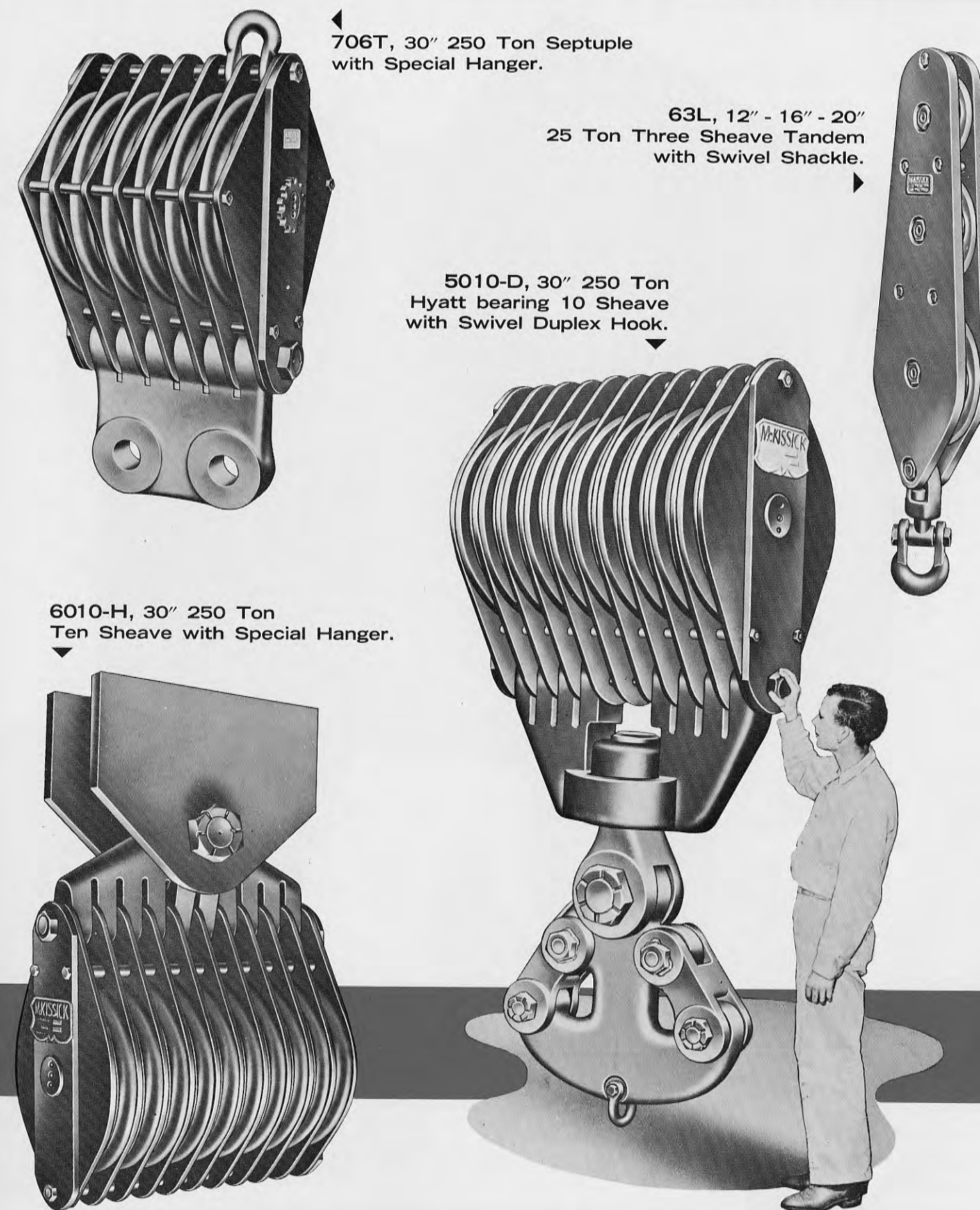
**64010
(10 TON)**

TOP SWIVELING
Overhaul Balls, with Standard Clevis

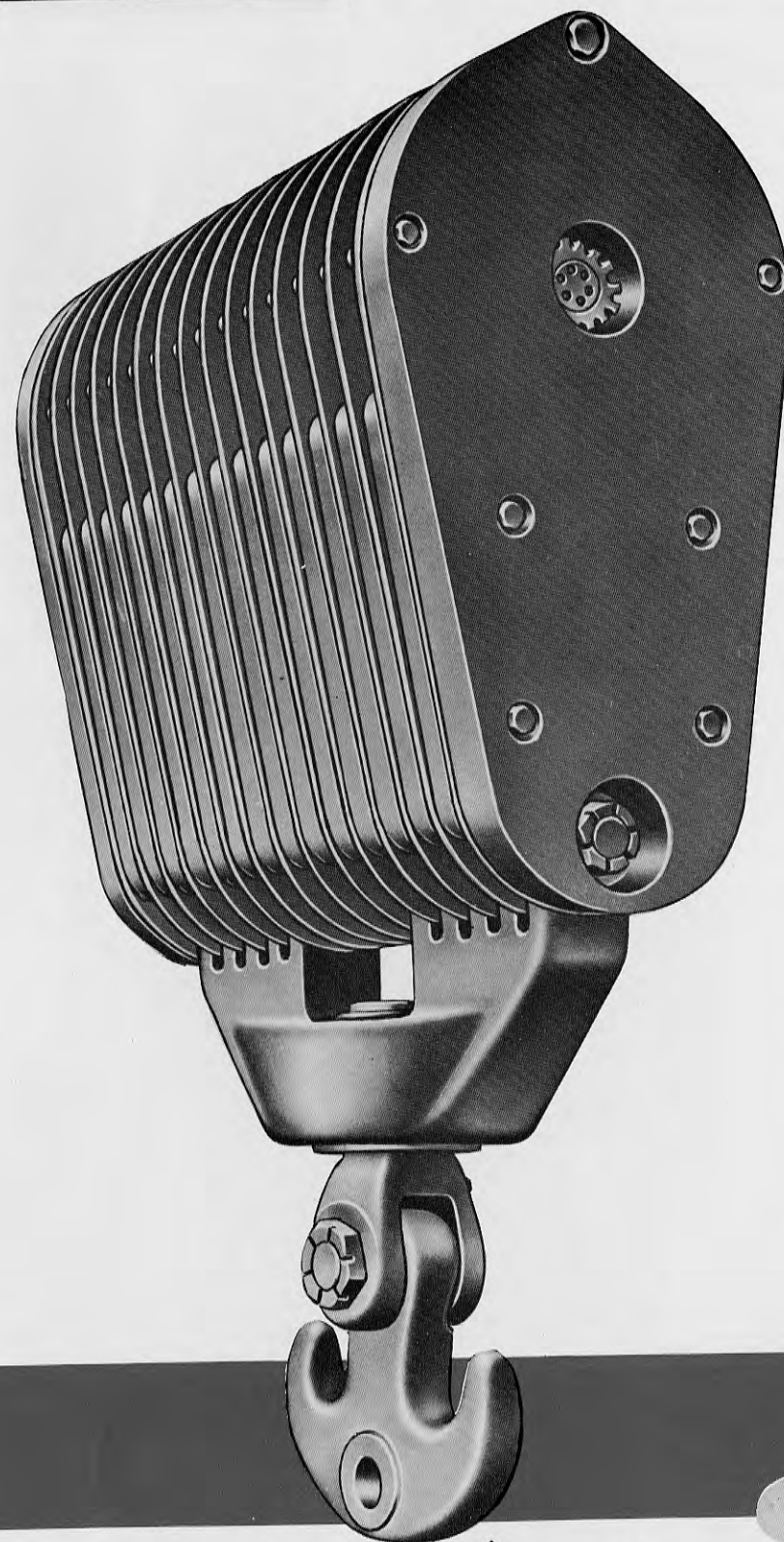
Rated Size	Ball Weight Pounds (Each)	For Standard Fitting (Size)	Plain Bearing Number	Roller Thrust Bearing Number
3 Ton	75	5/8"	C60703	C60703-R
5 Ton	125	3/4"	C61205	C61205-R
5 Ton	250	3/4"	C62505	C62505-R
7 1/2 Ton	200	7/8"	C62007	C62007-R
10 Ton	200	1"	C62010	C62010-R
10 Ton	400	1"	C64010	C64010-R
15 Ton	450	1"-1 1/8"	C64515	C64515-R
15 Ton	650	1"-1 1/8"	C66515	C66515-R



FOR ALL SPECIAL APPLICATIONS CONTACT McKISSICK PRODUCTS COMPANY AT
DRAWER 768, TULSA, OKLAHOMA 74101



FOR ALL SPECIAL APPLICATIONS CONTACT McKISSICK PRODUCTS COMPANY AT
DRAWER 768, TULSA, OKLAHOMA 74101

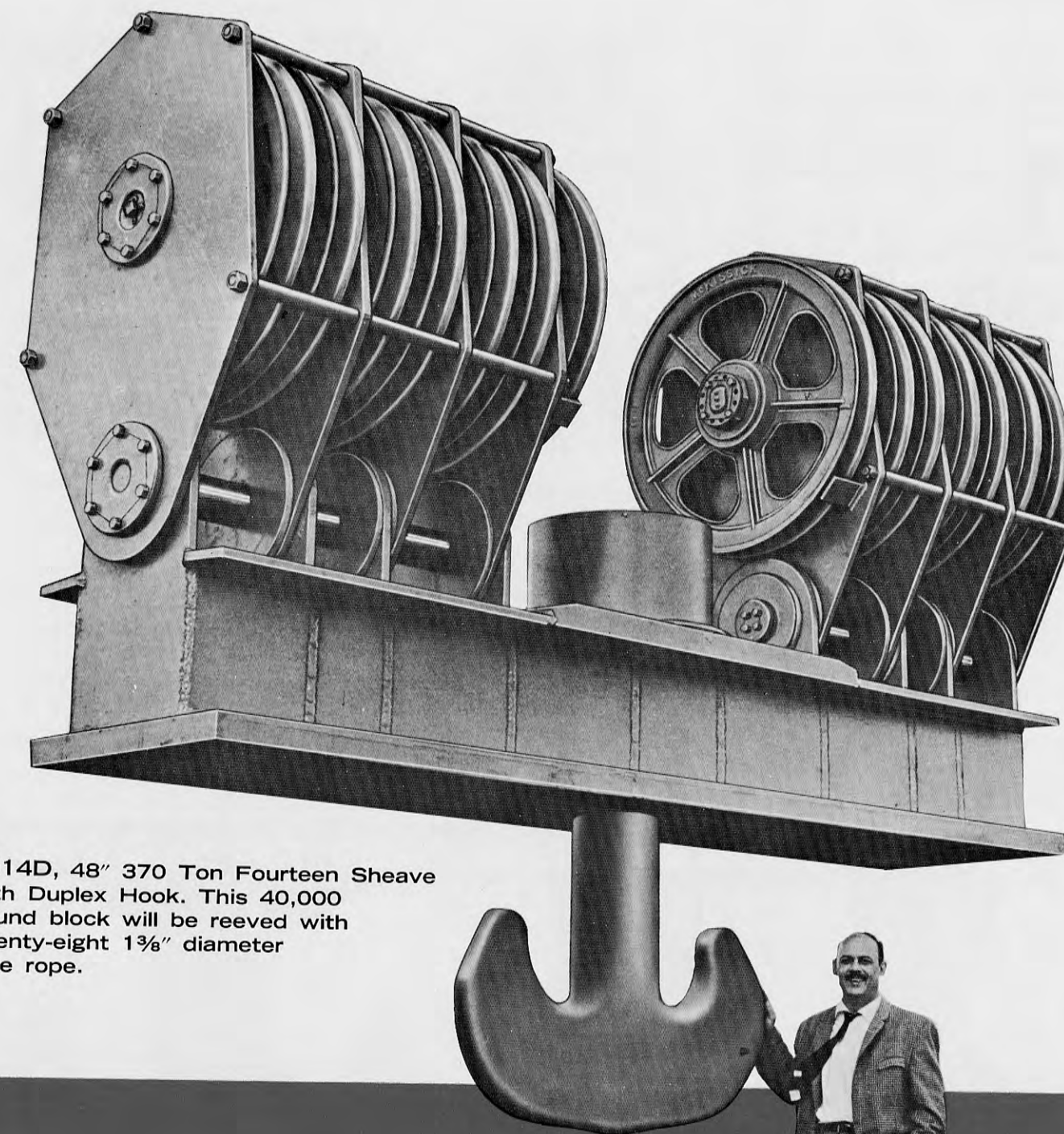


5014D, 30" 200 Ton Fourteen Sheave reeved with 28 - 1 1/8" diameter wire rope weighted to 36,000 pounds.



612-L, 30" and 24" 250 Ton Twelve Sheave Tandem with Equalizer and locking Swivel Hanger.

FOR ALL SPECIAL APPLICATIONS CONTACT McKISSICK PRODUCTS COMPANY AT
DRAWER 768, TULSA, OKLAHOMA 74101



7014D, 48" 370 Ton Fourteen Sheave with Duplex Hook. This 40,000 pound block will be reeved with twenty-eight 1 3/8" diameter wire rope.

FOR ALL SPECIAL APPLICATIONS CONTACT McKISSICK PRODUCTS COMPANY AT
DRAWER 768, TULSA, OKLAHOMA 74101

FEATURES

McKISSICK

CONSTRUCTION & CRANE BLOCKS

Some of the most important considerations in your block requirements:

CONSIDER:
THE AVAILABLE
BEARING TYPES

Three of the most commonly utilized are shown.

Bronze Bushed—S.A.E. 660 High speed bronze with figure "8" oil groove (See Fig. B-1).

Roller Bearing — Hyatt Hy-Load roller bearings (See Fig. R-1).

Double row sealed Timken bearings (See Fig. T-1).

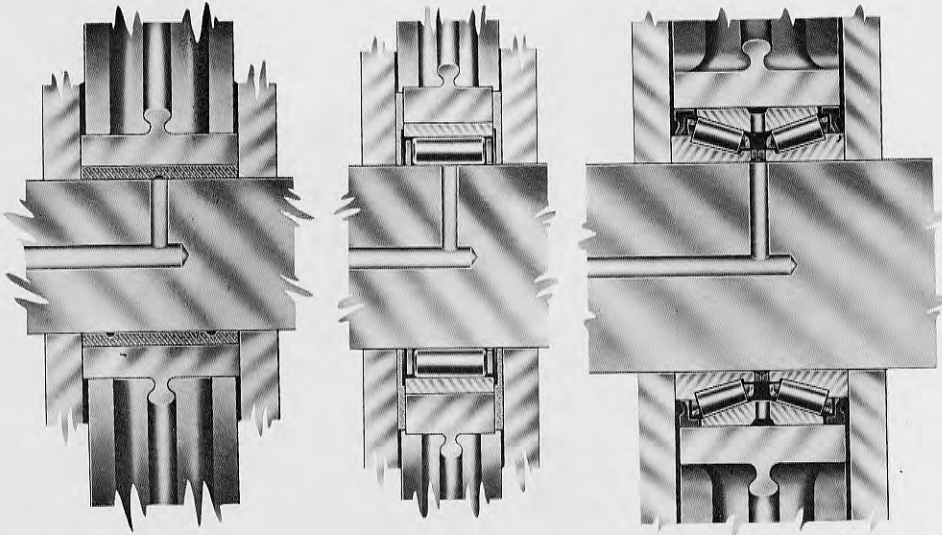


FIG. B-1

FIG. R-1

FIG. T-1



Unretouched Photograph of a section cut from a flame-hardened McKissick sheave (etched 2½ Minutes (NH₄)₂S₂O₈).

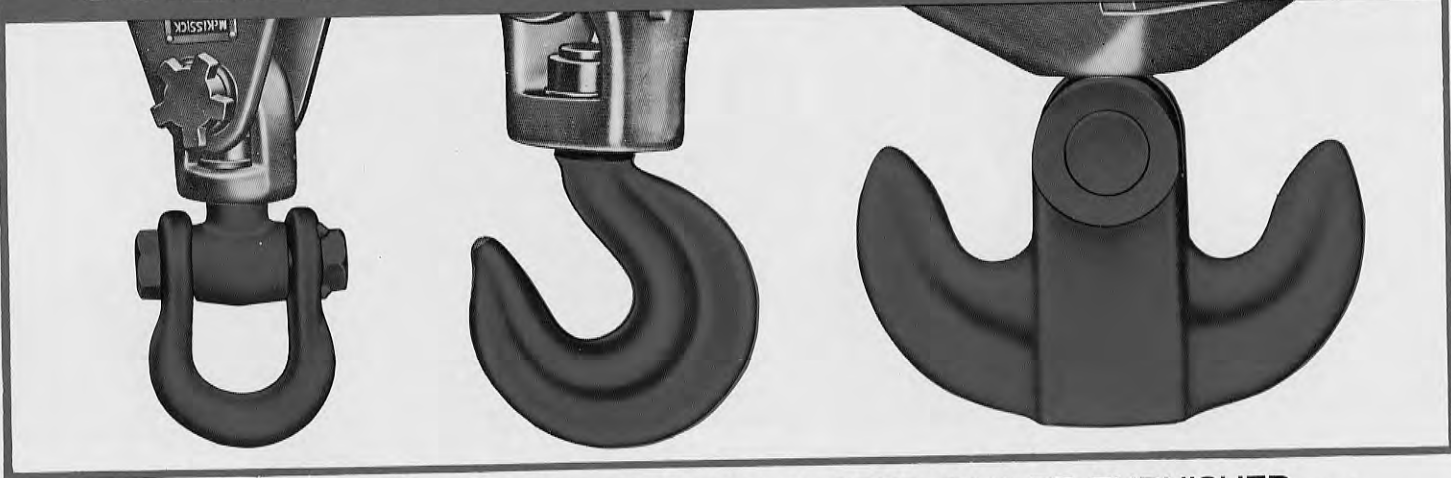
CONSIDER:
THE SHEAVE

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

Note the groove is completely machined to proper line size, always in perfect wind.

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.

CONNECTIONS FOR McKISSICK BLOCKS



ALL CRANE AND CONSTRUCTION BLOCKS CAN BE FURNISHED . . .

With swivel shackle as shown above, in any desired capacity, with plain swivel, bronze thrust or roller thrust bearing.

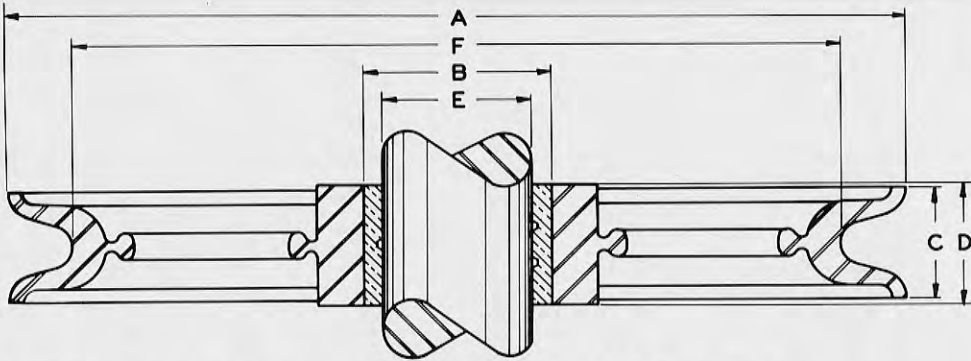
With single hook as shown above in capacities to 165 tons.

With duplex swivel hook as shown above in capacities to 200 tons.

McKISSICK

WIRE ROPE SHEAVES

- Machine grooved for proper rope size, sheaves 14" diameter and over flame hardened in groove to 40 Rockwell "C".
- Help us fill your order accurately — always specify PART NUMBER, BEARING TYPE and WIRE ROPE SIZE. Tabulated dimensions and the larger indicated rope size will be furnished unless otherwise specified.



FINISHED BORED ONLY OR BRONZE BUSHED

- S.A.E. 660 Bronze Bushed for cold finished shafts, with "Figure 8" oil groove in bushing. Asterisk (*) indicates Self-lubricating Bronze.
- Consult McKissick engineers on new designs. Dimensions "B", "D" and "E" may be machined specially at extra cost to suit a particular requirement. McKissick is equipped to produce special shafts for all sheaves listed in this catalog.

Nom. Dia.	Part No.	Material	O. D. "A" Inches	Bore Diameter "B" Inches	Rim Width "C" Inches	Hub Width "D" Inches	Recom. Shaft Dia. "E" Std. Bush.	Approx. Tread Diameter Inches	Rope Diameter Inches (Specify)	Approx. Weight Pounds Each
3	3-1*	C-1045	3	1.125	1 1/16	1	3/4 *	2 1/4	3/16-3/8-7/16	1.5
3	3-X*	Cast Iron	3	.753	1 1/16	1 1/16	1/2 *	2 1/16	1/4-5/16-3/8	1.0
4	4-1	Cast Steel	4	1.5625	7/8	1	1	3 1/8	1/8-1/4-3/8	2.0
4	4-A*	Cast Iron	3 3/8	.753	3/4	7/8	1/2 *	3 1/4	1/4-5/16-3/8	1.5
4	4-G	Ductile Iron	4	1.5625	7/8	1	1	3 1/8	1/4-5/16-3/8	2.0
4	4-H	Ductile Iron	4	1.5625	1 1/8	1 1/2	1	2 7/8	3/8-1/2-3/4	3.0
4	4-K	Forged Steel	4 1/8	1.5625	1 1/16	1 1/2	1	3	3/8-1/2-5/8	3.5
5	5-1*	Cast Iron	5	1.000	7/8	1	3/4 *	4	3/16-3/8-7/16	2.5
5	5-1-B*	Forged Steel	4 7/8	1.750	1 1/8	1 1/4	1 1/4 *	4 1/16	3/8-1/2-5/8	3.6
5	5-2*	Ductile Iron	5	.750	1 3/8	1 1/2	1/2 *	3 3/8	3/16-3/8-1/2	3.5
6	6-1*	Cast Steel	5 3/8	1.125	1	1 1/16	3/4 *	4 7/8	1/4-3/8-1/2	3.8
6	6-1-B*	Forged Steel	6	1.625	1	1 1/8	1 1/4 *	4 1 1/16	3/8-1/2	4.0
6	6-2	Forged Steel	5 3/8	1.875	1 3/8	1 3/4	1 1/2	4 3/8	5/8-3/4-7/8	6.0
6	6-6	Forged Steel	5 1/4	1.5625	1 3/8	1 1/2	1	3 3/8	5/8-3/4-7/8	4.0
6	6-8	Cast Steel	6	1.375	1 3/8	1 1/2	1	4 3/4	1/2-3/4-3/8	7.0
6	6-L-8*	Ductile Iron	6	1.125	1	1 1/16	3/4 *	4 7/8	3/8-1/2	3.2
6	6-NS-2	Forged Steel	6	2.500	2 3/16	2 3/16	2	4 1/4	5/8-3/4-1	9.5
7	7-1	Ductile Iron	6 3/8	1.875	3/4	1 3/8	1 1/2	6 1/4	1/8-1/4-3/8	4.5
8	8-1*	Cast Steel	8	1.125	1 1/4	1 3/8	7/8 *	6 1/2	3/8-1/2-5/8	4.5
8	8-2	Forged Steel	8	1.875	1 3/8	1 3/4	1 1/2	6 1/16	3/8-3/4-7/8	10.0
8	8-2-RB	Cast Steel	8	2.500	1 3/8	1 3/4	2	6 5/16	5/8-3/4-7/8	7.5
8	8-7	Forged Steel	7 1/2	1.5625	1 3/8	1 1/2	1	6 1/16	3/8-3/4	7.5
8	8-9	Cast Steel	8	1.875	1 3/8	1 1/2	1 1/2	6 3/8	1/2-5/8-3/4	7.0
8	8-10	Cast Iron	7 3/8	1.5625	1 3/8	1 1/2	1	6 3/16	3/8-1/2-5/8	7.0
8	8-DI-8	Ductile Iron	8 1/2	1.875	1	1 3/8	1 1/2	7 1/2	3/8-7/16-1/2	7.5
8	8-L-8*	Ductile Iron	8	1.250	1 1/4	1 3/8	7/8 *	6 1/16	1/2-5/8	6.8
8	8-NS-2	Forged Steel	8	2.500	2 3/16	2 3/16	2	6 1/8	5/8-3/4-1	12.5
8	8-NS-2RB	Cast Steel	8	3.250	2 3/16	2 3/16	2 3/4	6	5/8-3/4-1	10.5
8	8-NS-3	Forged Steel	7 7/8	2.750	2 3/8	2 1/2	2 1/4	5 3/4	7/8-1-1 1/8	15.0
8	8-NS-4	Cast Steel	8	3.000	2 3/16	2 3/16	2 1/2	5 3/4	7/8-1-1 1/8	14.0
8	8-NS-5	Cast Steel	8	4.000	2 3/8	2 1/2	3 1/2	5 7/16	1-1 1/8-1 1/4	15.0
10	10-1*	Cast Steel	9 3/8	1.375	1 3/8	1 1/2	1 *	8 1/2	1/2-3/8	9.5
10	10-2	Forged Steel	9 7/8	1.875	1 3/8	1 3/4	1 1/2	8 3/16	5/8-3/4-7/8	14.5
10	10-2RB	Cast Steel	9 7/8	2.500	1 3/8	1 3/4	2	8 1/2	5/8-3/4-7/8	10.0
10	10-7	Cast Steel	9 7/8	3.000	1 3/8	1 3/4	2 1/2	8 3/16	3/8-3/4	13
10	10-8	Cast Steel	9 7/8	2.750	1 3/8	1 3/4	2 1/4	8	3/4-7/8	12
10	10-9	Cast Steel	9 7/8	1.875	1 3/8	1 3/4	1 1/2	8 1/8	1/2-3/16-3/8	11
10	10-10	Ductile Iron	9 7/8	1.875	3/4	1 3/8	1 1/2	9 3/16	3/16-1/4	5.8
10	10-L-8*	Ductile Iron	10	1.250	1 1/4	1 3/8	7/8 *	8 3/8	1/2-5/8	9.7
10	10-NS-2	Forged Steel	9 7/8	2.500	2 3/16	2 3/16	2	8 1/8	3/4-7/8-1	15.0
10	10-NS-2RB	Cast Steel	9 3/4	3.250	2 3/16	2 3/16	2 3/4	8	5/8-3/4-1	15.5
10	10-NS-3	Cast Steel	9 7/8	2.750	2 3/8	2 1/2	2 1/4	7 3/4	7/8-1-1 1/8	19.0
10	10-NS-5	Cast Steel	9 7/8	4.000	2 3/8	2 1/2	3 1/2	7 3/4	1-1 1/8-1 1/4	27.00

(*) Asterisk indicates Self-lubricating Bronze

SHEAVES FINISH BORED ONLY OR BRONZE BUSHED (continued)

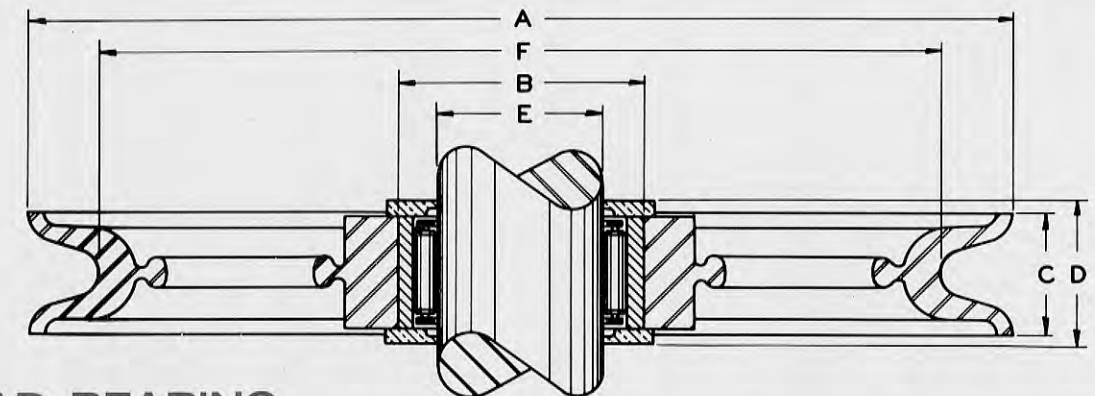
Nom. Dia.	Part No.	Material	O. D. "A" Inches	Bore Diameter "B" Inches	Rim Width "C" Inches	Hub Width "D" Inches	Recom. Shaft Dia. "E" Std. Bush.	Approx. Tread Diameter Inches	Rope Diameter Inches (Specify)	Approx. Weight Pounds Each
11	M-106-A1	Cast Steel	10 7/8	2.250	1 3/8	2 1/4	1 3/4	9	5/8-3/4	15.0
12	12-1	Cast Steel	11 3/4	1.875	1 3/8	1 3/4	1 1/2	10 1/4	5/8-3/4-1	18.0
12	12-2A	Cast Steel	11 7/8	2.500	2 1/8	2 1/8	2	10 1/4	5/8-3/4-1	24.0
12	12-5	Cast Steel	12	3.500	1 3/8	3	3	10	5/8-3/4-7/8	21.0
12	12-6	Ductile Iron	11 7/8	3.000	1	2 1/8	2 1/2	10 3/4	1/4-3/16-3/8	11.2
12	12-8	Cast Steel	11 7/8	3.500	2 1/8	2 1/8	3	9 3/4	5/8-3/4-7/8	25.0
12	12-9	Cast Steel	11 7/8	3.000	1 3/8	1 3/4	2 1/2	10 1/8	5/8-3/4-7/8	16.0
12	12-11	Ductile Iron	12 3/8	1.875	1 1/4	1 3/4	1 1/2	11 3/8	5/8-3/4-7/8	22.0
12	12-13	Cast Steel	11 3/4	3.500	1 1/4	2	3	9 1/2	3/8-7/16-1/2	16.0
12	12-L-8*	Ductile Iron	12	1.625	1 3/8	2	1 1/4	10 1/4	5/8-3/4	20.5
12	12-NS-3	Cast Steel	11 7/8	2.750	2 3/8	2 1/2	2 1/4	10 1/2	7/8-1-1 1/8	28.0
12	12-TS-8	Cast Steel	11 3/4	4.000	2 3/4	3	3 1/2	9 1/2	7/8-1-1 1/8	34.0
14	14-1	Cast Steel	13 3/8	1.875	1 3/8	1 3/4	1 1/2	12	5/8-3/4-7/8	20
14	14-2	Cast Steel	13 3/4	2.500	1 3/8	1 3/4	2	12	5/8-3/4-7/8	17
14	14-5	Cast Steel	14	5.500	3 1/4	3 1/2	5	10 3/8	5/8-3/4-7/8	60
14	14-6	Ductile Iron	13 3/8	3.000	1	2 1/8	2 1/2	13	1/4-5/16-3/8	15
14	14-7	Cast Steel	13 3/4	3.000	2 3/8	2 1/2	2 1/2	11 1/2	1 1/8-1 1/4-1 3/8	35
14	14-8	Cast Steel	13 3/8	5.500	1 3/8	2	5	11 7/8	1/2-3/8-3/4	30
14	14-9	Cast Steel	13 3/8	4.500	2 3/4	3	4	10 3/8	1 1/2-1 5/8-1 3/4	50
14	14-DF-8	Cast Steel	13 3/8	4.250	1 3/4	2 1/2	3 3/4	11 1/8	5/8-3/4-7/8	24
14	14-NS-3	Cast Steel	13 3/8	2.750	2 3/8	2 1/2	2 1/4	11 7/8	7/8-1-1 1/8	28
14	14-PL-8	Cast Steel	14	2.500	2 1/8	2 1/8	2	12	3/4-7/8-1	28
14	14-WL-8	Cast Iron	14	4.250	1 3/8	2 1/2	3 3/4	12 3/4	3/8-1/2-5/8	15
14	24-S-7A	Cast Steel	14	3.250	2 1/8	2 1/8	2 3/4	11 1/4	3/4-7/8	25
14	24-S-8A	Cast Steel	14	4.500	1 3/8	2	4	11 1/4	3/4-7/8	30
15	15-2	Cast Steel	15 3/8	3.250	2 1/8	2 1/8	2 3/4	13 1/4	5/8-3/4	40
16	16-1	Cast Steel	15 3/4	1.875	1 3/8	1 3/4	1 1/2	14	5/8-3/4-7/8	23
16	16-3	Cast Steel	15 3/4	4.500	1 3/8	2 1/2	4	12 3/4	5/8-3/4-7/8	34
16	16-4	Cast Steel	16	4.000	1 1/2	2 3/4	3 1/2	14 3/8	1/2-5/8-3/4	25
16	16-5	Cast Steel	15 3/8	2.500	2 1/8	2 1/8	2	13 1/8	3/4-7/8	35
16	16-7	Cast Steel	15 3/4	3.000	2 1/8	2 1/8	2 1/2	13 1/4	7/8-1	39
16	16-12	Cast Steel	15 3/8	5.000	1 3/8	2	4 1/2	13 3/8	3/4-7/8	33
17	17-5	Cast Steel	16 3/4	6.750	3 3/8	3 3/4	6	13 3/4	3/4-7/8-1	55
17	17-6	Cast Steel	16 3/8	4.500	2 1/2	3	4	13 3/4	5/8-3/4-7/8	46
17	17-TS-8	Cast Steel	16 3/8	4.500	2 3/4	3	4	14	7/8-1	54
17	30-NS-3	Cast Steel	16 3/8	4.000	2 3/4	3	3 1/2	13 3/8	3/4-7/8-1	50
17	30-NS-8	Cast Steel	16 3/8	5.500	2 3/8	2 3/4	5	14	3/4-7/8-1	50
18	18-2	Cast Steel	17 3/8	3.250	2 1/8	2 1/8	2 3/4	15 1/8	3/4-7/8	40
18	18-4	Cast Steel	18	6.000	1 1/2	3 1/2	5 1/2	15 1/2	5/8-3/4	35
18	18-5	Cast Steel	18	2.500	2 1/8	2 1/8	2	15 1/2	3/4-7/8	45
18	18-7	Cast Steel	17 3/4	4.250	2 1/4	2 1/2	3 3/4	15 1/2	3/4-7/8-1	55
18	18-S-2	Cast Iron	18	1.875	1 3/8	1 3/4	1 1/2	16	3/4-7/8	46
18	26-FS-7	Cast Steel	17 3/8	4.500	2 3/4	3	4	14 3/4	7/8-1	60
18	26-FS-8	Cast Steel	18	6.000	2 3/4	3	5 1/2	14 3/4	7/8-1	60
18	26-FS-9	Cast Steel	17 3/8	5.500	3 1/2	3 3/4	5	14 1/2	7/8-1	70
18	26-TS-8-1	Cast Steel	17 3/4	6.000	1 3/8	2	5 1/2	15	3/4-7/8	40
20	20-2	Cast Steel	19 3/8	3.500	2 1/8	2 1/8	3	17 3/8	7/8-1	45
20	20-5	Cast Steel	20	4.000	1 3/8	3	3 1/2	18 1/4	1/4-3/8-1/2	26
20	20-6	Cast Steel	19 3/4	5.000	2 3/4	3	4 1/2	16 3/8	7/8-1	60
20	20-TS-8	Cast Steel	19 3/8	6.250	3 3/8	3 1/2	5 1/2	16 3/8	7/8-1-1 1/8	75
20	32-HS-8	Cast Steel	19 3/8	4.500	3 1/4	3 1/2	4	16 3/8	1 1/4-1 1/2	80
20	32-S-9	Cast Steel	19 3/8	5.500	3 1/2	4	5	16 1/4	7/8-1-1 1/8	80
20	32-T-7	Cast Steel	20	4.500	3 1/4	3 1/2	4	16 1/8	7/8-1	75
20	32-T-8	Cast Steel	19 3/4	6.000	2 3/8	2 3/4	5 1/2	16 3/8	7/8-1	70
20	32-TL-8	Cast Steel	20	7.500	4 3/8	4 1/2	6 1/2	16 1/8	3/4-7/8-1	86
22	22-1	Cast Steel	21 3/8	5.500	2 1/2	3	5	18 7/8	3/4-7/8-1	75
22	22-2	Cast Steel	21 3/8	2.500	2 3/8	3	2	18 3/8	3/4-7/8-1	80
24	24-1A	Cast Steel	23 3/4	1.875	2 3/8	2 1/2	1 1/2	20 1/4	7/8-1-1 1/8	75
24	24-5	Cast Steel	23 3/8	5.000	1 1/2	3	4 1/2	22 1/4	3/8-1/2-3/4	50
24	24-6	Cast Steel	24	6.000	2 1/2	3	5 1/2	21	3/4-7/8-1	84
24	24-7	Cast Steel	24	3.500	2 3/8	2 1/2	3	21 1/8	3/4-7/8-1	100
24	24-10	Cast Steel	23 3/4	4.500	3 1/4	3 1/2	4	20 3/8	1 1/4-1 1/2-1 3/4	125
24	24-11	Cast Steel	23 3/4	9.000	4 1/2	4 3/4	8	19 1/8	1 1/8-2 1/4	225
24	24-CST-8	Cast Steel	23 3/8	7.500	2 1/2	4 1/2	6 1/2	20 1/4	3/4-7/8-1	90
24	24-TS-8	Cast Steel	24	6.250	3 1/4	3 1/2	5 1/2	20 1/2	1-1 1/8	80
24	42-HS-8	Cast Steel	23 3/4	9.000	3 1/2	4	8	20 3/8	1-1 1/8-1 1/4	105
24	42-SN-8	Cast Steel	23 3/4	8.000	3 1/4	3 1/2	7	19 3/8	7/8-1-1 1/8	100
24	42-TS-8	Cast Steel	24	8.000	2 3/8	2 3/4	7	21	7/8-1-1 1/8	85

(*) Asterisk indicates Self-lubricating Bronze

SHEAVES FINISH BORED ONLY OR BRONZE BUSHED (continued)

Nom. Dia.	Part No.	Material	O. D. "A" Inches	Bore Diameter "B" Inches	Rim Width "C" Inches	Hub Width "D" Inches	Recom. Shaft Dia. "E" Std. Bush.	Approx. Tread Diameter Inches	Rope Diameter Inches (Specify)	Approx. Weight Pounds Each
24	42-TS-8-1	Cast Steel	24	6.250	2 3/8	2 3/4	5 1/2	20 1/4	7/8-1-1 1/8	90
24	42-TS-8-2	Cast Steel	24	4.500	2 3/4	3	4	20 3/8	7/8-1-1 1/8	80
26	26-1	Cast Steel	26	4.500	2 3/4	3	4	22 3/8	7/8-1-1 1/8	90
26	26-2	Cast Steel	26	6.500	2 3/4	3 1/2	5 1/2	23 1/2	1-1 1/4-1 1/2	200
27	27-1	Cast Steel	26 7/8	5.000	3 1/4	3 1/2	4 1/2	23 1/4	7/8-1-1 1/8	135
27	27-2	Cast Steel	27	4.500	2 3/4	4	4	23 1/2	1-1 1/8-1 1/4	160
30	30-1A	Cast Steel	29 1/2	1.875	2 1/4	2 1/2	1 1/2	26 1/4	7/8-1	100
30	30-2	Cast Steel	29 3/4	5.500	3	3 1/2	5	25 3/8	1 1/4-1 1/2	140
30	30-3	Cast Steel	29 3/4	5.000	2	4	4 1/2	26 3/4	1/2-5/8-3/4	74
30	30-4	Cast Steel	29 3/4	6.500	3 1/4	3 1/2	5 1/2	25 5/8	1 1/2-1 3/4-2	165
30	30-5	Cast Steel	29 3/4	3.000	3	3 1/2	2 1/2	26 1/2	7/8-1-1 1/8	155
30	30-6	Cast Steel	29 1/2	8.000	3 1/2	4	7	25 1/2	1 3/8-1 1/2-1 5/8	235
30	30-BR-8	Cast Steel	29 3/4	5.500	4 1/4	4 1/2	5	24 1/4	2 1/4-2 1/2	230
30	30-CST-8	Cast Steel	29 3/4	7.500	2 1/2	4 1/2	6 1/2	26 1/4	3/4-7/8-1	110
30	30-HS-8	Cast Steel	29 3/4	11.000	3 1/4	3 1/2	10	26	1-1 1/8-1 1/4	165
30	48-T8-A	Cast Steel	29 3/4	9.000	3 1/4	3 1/2	8	26	7/8-1-1 1/8	150
30	48-T8-B	Cast Steel	30	6.750	3 1/4	3 1/2	6	26	7/8-1-1 1/8	140
32	32-1	Cast Steel	31 3/4	4.500	2 1/2	4 1/2	4	28 3/4	3/4-7/8-1	160
34	34-1	Cast Steel	33 3/4	5.000	3 1/4	3 1/2	4 1/2	30 1/4	1-1 1/4-1 3/8	180
34	34-2	Cast Steel	33 3/4	9.000	3	3 1/2	8	30 1/2	1 1/2-1 3/4	290
36	36-3	Cast Steel	35 3/8	4.000	3 1/2	5	3 1/2	32 3/8	1 1/4-1 3/8-1 1/2	285
36	36-4	Cast Steel	35 3/4	10.000	3 1/2	5	9	31 3/8	1 1/4-1 3/8-1 1/2	400
36	36-LT-8	Cast Steel	35 3/4	6.000	3 3/4	5	5 1/2	31 1/2	1 1/8-1 1/4-1 3/8	235
36	36-TS-8	Cast Steel	35 3/4	8.000	3 1/4	3 1/2	7	31 3/8	1-1 1/8-1 1/4	240
36	60-T-8D	Cast Steel	35 3/4	3.500	3 3/4	4	3	31 3/8	7/8-1-1 1/8	200
40	40-1	Cast Steel	39 3/4	9.000	3	3 1/2	8	36 1/2	1 3/4-2	380
42	42-1	Cast Steel	41 3/4	7.000	4	4 1/2	6	37 7/8	1 3/4-2	380
42	66-F-8	Cast Steel	41 7/8	11.000	3 1/2	3 3/4	10	38 3/8	1-1 1/8-1 1/4	235
48	48-1	Cast Steel	47 3/4	7.000	3 1/2	3 3/4	6	43	1 1/4-1 1/2-1 3/4	410
48	72-T-8	Cast Steel	47 3/4	10.000	4 1/2	5	9	41 1/8	1 1/4-1 3/8-1 1/2	535
50	50-1	Cast Steel	49 3/4	11.000	3 1/2	3 3/4	10	45 1/2	1 3/4-2	675
50	80-6-8	Cast Steel	49 3/4	14.000	3 3/4	4	13	45 1/2	1 1/4-1 1/2	400

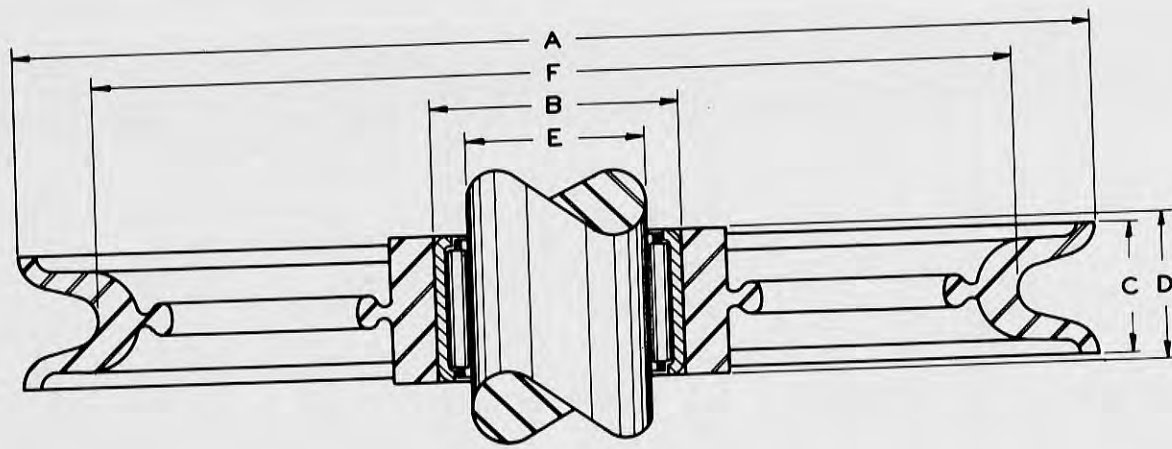
(*) Asterisk indicates Self-lubricating Bronze



HY-LOAD BEARING

- Designed to operate on shafts carburized to 60 Rockwell "C" and ground to $\pm .0005$ of indicated size "E".
- Furnished complete with bearings and S.A.E. 660 bearing bronze Thrust Washers. Applications should provide $1/32$ " running clearance over dimension "D".

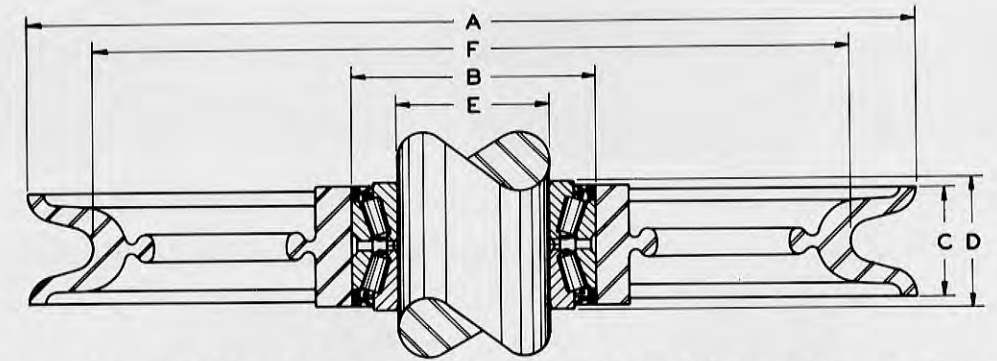
Nom. Dia.	Part No.	Material	O. D. "A" Inches	Bore Diameter "B" Inches	Rim Width "C" Inches	Width Over Thrust Washers "D" Inches	Recom. Shaft Dia. "E" Inches	Approx. Tread Dia. "F" Inches	Rope Diameter Inches (Specify)	Approx. Weight Pounds
14	24-S-8A	Cast Steel	14	4.7225	2 1/8	2 1/8	2.7455	11 1/4	3/4-7/8	30
16	16-3	Cast Steel	15 3/4	4.7225	2 1/8	2 1/8	2.7455	12 3/4	5/8-3/4-7/8	34
17	30-NS-8	Cast Steel	16 1/8	5.9035	2 1/8	2 1/8	3.4955	14	3/4-7/8-1	50
18	26-FS-8	Cast Steel	18	5.9035	2 3/4	3	3.9955	14 3/4	7/8-1	60
18	26-TS-8-1	Cast Steel	17 3/4	5.9035	2	2 1/8	4.0135	15	3/4-7/8	40
20	32-T-8	Cast Steel	19 3/4	5.9035	3 1/4	3 1/2	3.9955	16 1/8	7/8-1	70
24	42-TS-8	Cast Steel	24	7.8715	2 7/8	3 1/4	5.2325	21	7/8-1-1 1/8	85
24	42-TS-8-1	Cast Steel	24	5.9035	2 3/4	3	3.9955	20 1/4	7/8-1-1 1/8	90
27	27-1	Cast Steel	26 7/8	5.9035	2 3/4	3	3.9955	23 1/4	7/8-1-1 1/8	135
30	48-T-8A	Cast Steel	29 3/4	9.0530	3 1/8	3 1/2	6.0990	26	7/8-1-1 1/8	150
36	60-T-8	Cast Steel	35 3/4	10.6280	3 3/8	4	7.1460	31 1/4	1-1 1/8-1 1/4	260



ROLLER BEARING

- Designed to operate on shafts carburized to 60 Rockwell "C" and ground to $\pm .0005$ of indicated size "E".
- Applications should provide for $\frac{1}{32}$ " running clearance over dimension "D". Asterisk (*) indicates sealed bearing.

Nom. Dia.	Part No.	Material	O. D. "A" Inches	Bore Diameter "B" Inches	Rim Width "C" Inches	Hub Width "D" Inches	Rec. Shaft Dia. "E" Inches	Approx. Tread Dia. "F" Inches	Rope Diameter Inches (Specify)	Approx. Weight Pounds Each
4	4-G	Ductile Iron	4	1.5695	$\frac{7}{8}$	1	.997	$3\frac{1}{8}$	$\frac{1}{4}-\frac{5}{16}-\frac{3}{8}$	2.0
4	4-H	Ductile Iron	4	1.5695	$1\frac{1}{8}$	$1\frac{1}{2}$	.997	$2\frac{7}{8}$	$\frac{3}{8}-\frac{1}{2}-\frac{5}{8}$	3.0
4	4-K	Forged Steel	$4\frac{1}{8}$	1.5695	$1\frac{1}{8}$	$1\frac{1}{2}$	.997	3	$\frac{3}{8}-\frac{1}{2}-\frac{5}{8}$	3.5
4	4-L	Forged Steel	$4\frac{1}{8}$	1.7485	$\frac{7}{8}$	1	1.247	$4\frac{1}{16}$	$\frac{3}{8}-\frac{1}{2}-\frac{5}{8}$	3.6
5	5-1-B	Forged Steel	6	1.7485	$\frac{7}{8}$	1	1.247	$4\frac{1}{16}$	$\frac{3}{8}-\frac{1}{2}$	4.0
6	6-1-B	Forged Steel	6	1.7485	$\frac{7}{8}$	$1\frac{3}{4}$	1.497	$4\frac{1}{16}$	$\frac{5}{8}-\frac{3}{4}-\frac{7}{8}$	6.0
6	6-2	Forged Steel	$5\frac{3}{8}$	1.8725	$1\frac{1}{8}$	$1\frac{1}{2}$	.997	$3\frac{3}{8}$	$\frac{5}{8}-\frac{3}{4}-\frac{7}{8}$	4.0
6	6-6	Forged Steel	$5\frac{1}{4}$	1.5695	$1\frac{1}{8}$	$1\frac{3}{4}$	1.997	$4\frac{3}{4}$	$\frac{1}{2}-\frac{3}{4}-\frac{3}{8}$	7.0
6	6-8	Cast Steel	6	2.3730	$1\frac{1}{8}$	$1\frac{3}{4}$	1.997	$4\frac{1}{4}$	$\frac{5}{8}-\frac{3}{4}-1$	9.5
6	6-NS-2*	Forged Steel	6	2.5610	$2\frac{1}{16}$	$2\frac{1}{2}$	1.997	$4\frac{1}{4}$	$\frac{5}{8}-\frac{3}{4}-1$	10.0
8	8-2	Forged Steel	8	1.7485	$1\frac{1}{8}$	$1\frac{3}{4}$	1.497	$6\frac{1}{16}$	$\frac{5}{8}-\frac{3}{4}$	7.5
8	8-7	Forged Steel	$7\frac{1}{2}$	1.5695	$1\frac{1}{8}$	$1\frac{1}{2}$	.997	$6\frac{1}{16}$	$\frac{3}{8}-\frac{1}{2}-\frac{5}{8}$	7.0
8	8-10	Cast Steel	$7\frac{3}{8}$	1.5695	$1\frac{1}{8}$	$1\frac{1}{2}$	.997	$6\frac{1}{16}$	$\frac{5}{8}-\frac{3}{4}-1$	12.5
8	8-NS-2*	Forged Steel	8	2.5610	$2\frac{1}{16}$	$2\frac{1}{2}$	1.997	$6\frac{1}{16}$	$\frac{5}{8}-\frac{3}{4}-1$	10.5
8	8-NS-2RB	Cast Steel	8	3.2480	$2\frac{1}{16}$	$2\frac{1}{2}$	2.497	6	$\frac{5}{8}-\frac{3}{4}-1$	15.0
8	8-NS-3	Cast Steel	8	2.998	$2\frac{1}{8}$	$2\frac{1}{2}$	2.247	$5\frac{3}{4}$	$\frac{7}{8}-1-1\frac{1}{8}$	14.0
8	8-NS-4	Cast Steel	8	3.2480	$2\frac{1}{8}$	$2\frac{1}{2}$	2.497	$5\frac{3}{4}$	$\frac{7}{8}-1-1\frac{1}{8}$	14.5
10	10-2	Forged Steel	$9\frac{1}{8}$	1.7485	$1\frac{1}{8}$	$1\frac{3}{4}$	1.497	$8\frac{3}{16}$	$\frac{5}{8}-\frac{3}{4}$	13.0
10	10-7	Cast Steel	$9\frac{1}{8}$	2.998	$1\frac{1}{8}$	$1\frac{3}{4}$	2.247	8	$\frac{3}{4}-\frac{1}{2}$	12.0
10	10-8	Cast Steel	$9\frac{1}{8}$	2.998	$1\frac{1}{8}$	$1\frac{3}{4}$	1.497	$8\frac{3}{8}$	$\frac{1}{2}-\frac{5}{8}-\frac{3}{4}$	11.0
10	10-9	Cast Steel	$9\frac{1}{8}$	1.7485	$1\frac{1}{8}$	$1\frac{3}{4}$	1.997	$8\frac{3}{8}$	$\frac{3}{4}-\frac{1}{2}-1$	15.0
10	10-NS-2*	Forged Steel	$9\frac{1}{8}$	2.5610	$2\frac{1}{16}$	$2\frac{1}{2}$	1.997	$8\frac{3}{8}$	$\frac{3}{4}-\frac{1}{2}-1$	15.5
10	10-NS-2RB	Cast Steel	$9\frac{1}{8}$	3.2480	$2\frac{1}{16}$	$2\frac{1}{2}$	2.497	8	$\frac{3}{4}-\frac{1}{2}-1$	19.0
10	10-NS-3	Cast Steel	$9\frac{1}{8}$	2.998	$2\frac{1}{8}$	$2\frac{1}{2}$	2.247	$7\frac{3}{4}$	$\frac{7}{8}-1-1\frac{1}{8}$	18.0
12	12-1	Cast Steel	$11\frac{3}{8}$	1.7485	$1\frac{1}{8}$	$1\frac{3}{4}$	1.497	$10\frac{1}{4}$	$\frac{5}{8}-\frac{3}{4}-1$	24.0
12	12-2A*	Cast Steel	$11\frac{1}{8}$	2.5610	$2\frac{1}{16}$	$2\frac{1}{2}$	1.997	$10\frac{1}{4}$	$\frac{5}{8}-\frac{3}{4}-1$	25.0
12	12-8*	Cast Steel	$11\frac{1}{8}$	3.498	$2\frac{1}{16}$	$2\frac{1}{2}$	2.747	$9\frac{3}{8}$	$\frac{5}{8}-\frac{3}{4}-\frac{7}{8}$	16.0
12	12-9	Cast Steel	$11\frac{1}{8}$	2.998	$1\frac{1}{8}$	$1\frac{3}{4}$	2.247	$10\frac{1}{8}$	$\frac{5}{8}-\frac{3}{4}-\frac{7}{8}$	28.0
12	12-NS-3	Cast Steel	$11\frac{1}{8}$	2.998	$2\frac{1}{8}$	$2\frac{1}{2}$	2.247	$10\frac{1}{8}$	$\frac{7}{8}-1-1\frac{1}{8}$	20.0
14	14-1	Cast Steel	$13\frac{3}{8}$	1.7485	$1\frac{1}{8}$	$1\frac{3}{4}$	1.497	12	$\frac{5}{8}-\frac{3}{4}-\frac{7}{8}$	17.0
14	14-2	Cast Steel	$13\frac{3}{8}$	2.3730	$1\frac{1}{8}$	$1\frac{3}{4}$	1.997	12	$\frac{5}{8}-\frac{3}{4}-\frac{7}{8}$	17.0
14	14-7	Cast Steel	$13\frac{3}{8}$	2.998	$2\frac{1}{8}$	$2\frac{1}{2}$	2.247	$11\frac{1}{2}$	$1\frac{1}{8}-1\frac{1}{4}-1\frac{3}{8}$	35.0
14	14-NS-3	Cast Steel	$13\frac{3}{8}$	2.998	$2\frac{1}{8}$	$2\frac{1}{2}$	2.247	$11\frac{1}{2}$	$\frac{7}{8}-1-1\frac{1}{8}$	28.0
14	14-PL-8*	Cast Steel	14	2.5610	$2\frac{1}{8}$	$2\frac{1}{2}$	1.997	12	$\frac{3}{4}-\frac{7}{8}-1$	28.0
14	24-S-7A*	Cast Steel	14	3.4980	$2\frac{1}{8}$	$2\frac{1}{2}$	2.747	$11\frac{1}{4}$	$\frac{3}{4}-\frac{7}{8}$	25.0
15	15-2*	Cast Steel	$15\frac{1}{8}$	3.4980	$2\frac{1}{8}$	$2\frac{1}{2}$	2.747	$13\frac{1}{4}$	$\frac{5}{8}-\frac{3}{4}$	40.0
16	16-1	Cast Steel	$15\frac{3}{8}$	1.7485	$1\frac{1}{8}$	$1\frac{3}{4}$	1.497	14	$\frac{5}{8}-\frac{3}{4}-\frac{7}{8}$	23.0
16	16-5*	Cast Steel	$15\frac{3}{8}$	2.5610	$2\frac{1}{16}$	$2\frac{1}{2}$	1.997	$13\frac{3}{16}$	$\frac{3}{4}-\frac{7}{8}$	35.0
16	16-7*	Cast Steel	$15\frac{3}{8}$	3.2480	$2\frac{1}{16}$	$2\frac{1}{2}$	2.497	$13\frac{3}{4}$	$\frac{7}{8}-1$	39.0
18	18-2*	Cast Steel	$17\frac{3}{8}$	3.4980	$2\frac{1}{16}$	$2\frac{1}{2}$	2.747	$15\frac{1}{2}$	$\frac{3}{4}-\frac{7}{8}$	40.0
18	18-5*	Cast Steel	18	2.5610	$2\frac{1}{16}$	$2\frac{1}{2}$	1.997	$15\frac{1}{2}$	$\frac{3}{4}-\frac{7}{8}$	45.0
20	20-2	Cast Steel	$19\frac{3}{8}$	3.7480	$2\frac{1}{8}$	$2\frac{1}{2}$	2.247	$20\frac{1}{4}$	$\frac{7}{8}-1-1\frac{1}{8}$	75.0
24	24-1A	Cast Steel	$23\frac{3}{8}$	2.9980	$2\frac{1}{8}$	$2\frac{1}{2}$	2.247	$26\frac{1}{4}$	$\frac{7}{8}-1$	100.0
30	30-1A	Cast Steel	$29\frac{1}{2}$	2.9980	$2\frac{1}{4}$	$2\frac{1}{2}$	2.247	$26\frac{1}{4}$	$\frac{7}{8}-1$	100.0



TIMKEN BEARING

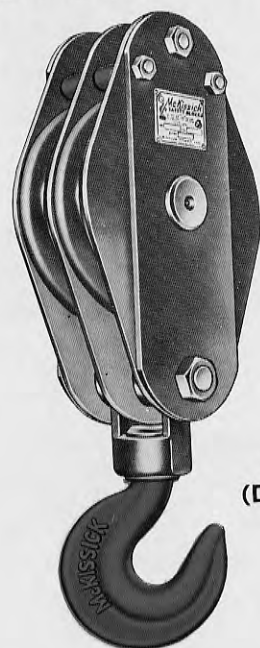
- Furnished complete with lip-type neoprene seals and double-row opposed tapered bearings.
- Applications should provide for tightening separator plates against bearing cones to adjust and insure proper function of bearing.
- Designed to operate on shafts machined to $\pm .0005$ of indicated size "E".

Nom. Dia.	Part No.	Material	O. D. "A" Inches	Bore Diameter "B" Inches	Rim Width "C" Inches	Width Over Bearing Cones "D" Inches	Rec. Shaft Dia. "E" Inches	Approx. Tread Dia. "F" Inches	Rope Diameter Inches (Specify)	Approx. Weight Pounds
5	5-1-B	Forged Steel	$4\frac{1}{8}$	1.848	$1\frac{1}{8}$	$1\frac{3}{8}$	.7485	$4\frac{1}{16}$	$\frac{3}{8}-\frac{1}{2}-\frac{5}{8}$	3.6
6	6-1-B	Forged Steel	6	1.848	1	$1\frac{3}{8}$	.7485	$4\frac{1}{16}$	$\frac{3}{8}-\frac{1}{2}$	4.0
7	7-1	Ductile Iron	$6\frac{3}{8}$	1.848	$\frac{3}{4}$	$1\frac{3}{8}$	.7485	$6\frac{1}{4}$	$\frac{1}{8}-\frac{1}{4}-\frac{3}{8}$	4.5
8	8-9	Cast Steel	8	1.848	$1\frac{1}{4}$	$1\frac{3}{8}$	.7485	$6\frac{3}{4}$	$\frac{1}{2}-\frac{3}{4}-\frac{3}{8}$	7.0
8	8-DI-8	Ductile Iron	$8\frac{1}{2}$	1.848	1	$1\frac{3}{8}$	.7485	$7\frac{1}{2}$	$\frac{3}{8}-\frac{7}{16}-\frac{1}{2}$	7.5
10	10-6	Ductile Iron	$9\frac{3}{8}$	2.998	1	$2\frac{1}{16}$	1.4985	$8\frac{3}{4}$	$\frac{1}{4}-\frac{5}{16}-\frac{3}{8}$	11.2
10	10-10	Ductile Iron	$9\frac{3}{8}$	1.848	$\frac{3}{4}$	$1\frac{3}{8}$	.7485	$9\frac{1}{16}$	$\frac{3}{16}-\frac{1}{4}$	5.8
12	12-2A	Cast Steel	$11\frac{1}{8}$	2.998	$2\frac{1}{16}$	$2\frac{1}{16}$	1.4985	$10\frac{1}{4}$	$\frac{3}{8}-\frac{3}{4}-1$	24.0
12	12-6	Ductile Iron	$11\frac{1}{8}$	2.998	1	$2\frac{1}{16}$	1.4985	$10\frac{3}{4}$	$\frac{1}{4}-\frac{5}{16}-\frac{3}{8}$	12.0
12	12-TS-8	Cast Steel	$11\frac{3}{4}$	4.723	$2\frac{1}{4}$	$2\frac{1}{16}$	2.7545	$9\frac{1}{2}$	$\frac{7}{8}-1-1\frac{1}{8}$	34.0
14	14-6	Ductile Iron	$13\frac{3}{8}$	2.998	1	$2\frac{1}{16}$	1.4985	13	$\frac{1}{4}-\frac{5}{16}-\frac{3}{8}$	15.0
14	14-9	Cast Steel	$13\frac{3}{8}$	4.723	$2\frac{1}{4}$	$2\frac{1}{16}$	2.7545	$10\frac{3}{4}$	$1\frac{1}{2}-1\frac{3}{4}-1\frac{3}{4}$	50.0
14	14-DF-8	Cast Steel	$13\frac{3}{8}$	4.248	$1\frac{3}{4}$	$2\frac{1}{16}$	1.9985	$11\frac{3}{8}$	$\frac{5}{8}-\frac{3}{4}-\frac{7}{8}$	24.0
14	14-NS-3	Cast Steel	$13\frac{3}{8}$	2.998	$2\frac{1}{16}$	$2\frac{1}{16}$	1.4985	$11\frac{1}{16}$	$\frac{7}{8}-1-1\frac{1}{8}$	28.0
14	14-WL-8	Cast Iron	14	4.248	$1\frac{3}{8}$	$2\frac{1}{16}$	1.9985	$12\frac{3}{8}$	$\frac{3}{8}-\frac{1}{2}-\frac{5}{8}$	15.0
16	16-4	Cast Steel	16	4.248	$1\frac{1}{2}$	$2\frac{1}{16}$	1.9985	$14\frac{3}{8}$	$\frac{1}{2}-\frac{5}{8}-\frac{3}{4}$	25.0
17	17-5	Cast Steel	$16\frac{3}{4}$	6.498	$3\frac{1}{4}$	$3\frac{1}{2}$	4.2485	$13\frac{3}{4}$	$\frac{3}{4}-\frac{7}{8}-1$	55.0
17	17-TS-8	Cast Steel	$16\frac{3}{4}$	4.723	$2\frac{1}{4}$	$2\frac{1}{16}$	2.7545	14	$\frac{7}{8}-1$	54.0
17	30-NS-3	Cast Steel	$16\frac{3}{4}$	4.248	$2\frac{1}{4}$	$2\frac{1}{16}$	1.9985	$13\frac{3}{8}$	$\frac{3}{4}-\frac{7}{8}-1$	50.0
18	18-2	Cast Steel	$17\frac{3}{8}$	4.248	$2\frac{1}{16}$	$2\frac{1}{16}$	1.9985	$15\frac{1}{8}$	$\frac{3}{4}-\frac{7}{8}$	40.0
18	26-FS-7	Cast Steel	$17\frac{3}{8}$	4.723	$2\frac{1}{4}$	$2\frac{1}{16}$	2.7545	$14\frac{3}{4}$	$\frac{7}{8}-1$	60.0
20	20-2	Cast Steel	$19\frac{3}{8}$	4.248	$2\frac{1}{4}$	$2\frac{1}{16}$	1.9985	$17\frac{3}{8}$	$\frac{7}{8}-1$	45.0
20	20-5	Cast Steel	20	4.248	$1\frac{3}{8}$	$2\frac{1}{16}$	1.9985	$18\frac{1}{4}$	$\frac{1}{4}-\frac{3}{8}-\frac{1}{2}$	26.0
20	20-6	Cast Steel	$19\frac{3}{4}$	4.723	$2\frac{1}{4}$	$2\frac{1}{16}$	2.7545	$16\frac{3}{8}$	$\frac{7}{8}-1$	60.0
20	20-TS-8	Cast Steel	$19\frac{3}{8}$	6.498	$3\frac{1}{4}$	$3\frac{1}{2}$	4.2485	$16\frac{3}{8}$	$\frac{7}{8}-1-1\frac{1}{8}$	75.0
22	22-1	Cast Steel	$21\frac{1}{8}$	6.498	$2\frac{1}{2}$	$3\frac{1}{2}$	4.2485	$18\frac{3}{8}$	$\frac{3}{4}-\frac{7}{8}-1$	75.0
22	22-2	Cast Steel	$21\frac{1}{8}$	4.248	$2\frac{1}{4}$	$2\frac{1}{16}$	1.9985	$18\frac{3}{8}$	$\frac{3}{4}-\frac{7}{8}-1$	80.0
24	24-5	Cast Steel	$23\frac{3}{8}$	4.723	$1\frac{1}{2}$	$2\frac{1}{16}$	2.7545	$22\frac{1}{4}$	$\frac{3}{8}-\frac{1}{2}-\frac{3}{4}$	50.0
24	24-10	Cast Steel	$23\frac{3}{8}$	6.498	$3\frac{1}{4}$	$3\frac{1}{2}$	4.2485	$20\frac{3}{16}$	$1\frac{1}{4}-1\frac{1}{2}-1\frac{3}{4}$	125.0
24	24-TS-8	Cast Steel	24	6.498	$3\frac{1}{4}$	$3\frac{1}{2}$	4.2485	$20\frac{1}{2}$	$1-1\frac{1}{8}$	80.0
24	42-HS-8	Cast Steel	$23\frac{3}{4}$	8.873	$3\frac{1}{2}$	$3\frac{3}{4}$	6.4985	$20\frac{3}{8}$	$1-1\frac{1}{8}-1\frac{1}{4}$	105.0
24	42-TS-8-2	Cast Steel	24	4.723	$2\frac{1}{4}$	$2\frac{1}{16}$	2.7545	$20\frac{3}{8}$	$\frac{7}{8}-1-1\frac{1}{8}$	80.0
26	26-1	Cast Steel	26	4.723	$2\frac{1}{4}$	$2\frac{1}{16}$	2.7545	$22\frac{3}{8}$	$\frac{7}{8}-1-1\frac{1}{8}$	90.0
26	26-2	Cast Steel	26	6.498	$2\frac{1}{4}$	$3\frac{1}{2}$	4.2485	$23\frac{1}{2}$	$1-1\frac{1}{4}-1\frac{1}{2}$	200.0
27	27-1	Cast Steel	$26\frac{3}{8}$	4.723	$2\frac{1}{4}$	$2\frac{1}{16}$	2.7545	$23\frac{1}{4}$	$\frac{7}{8}-1-1\frac{1}{8}$	135.0
27	27-2	Cast Steel	27	6.498	$2\frac{1}{4}$	$3\frac{1}{2}$	4.2485	$23\frac{1}{2}$	$1-1\frac{1}{8}-1\frac{1}{4}$	160.0
30	30-3	Cast Steel	$29\frac{3}{8}$	4.723	2	$2\frac{1}{16}$	2.7545	$26\frac{3}{4}$	$\frac{1}{2}-\frac{5}{8}-\frac{3}{4}$	74

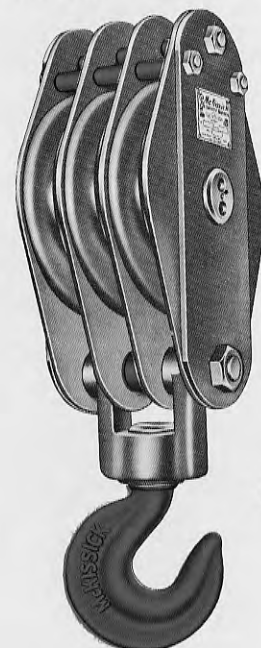
500-OVAL PATTERN • SWIVEL HOOKS
800-DIAMOND PATTERN • SWIVEL HOOKS



501
(Single)



502
(Double)



503
(Triple)

- Same quality incorporated as in blocks with shackles, all steel construction, alloy steel flame hardened sheaves, extra large center pins, Alemite lubrication, high speed bronze bushings, or Hi-load roller bearings.
- Series 800 (not illustrated) furnished with rope guards, diamond pattern shell.

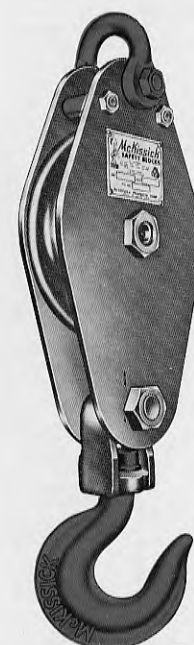
- In ordering, please specify: Size and block number, number of sheaves, proper wire rope size, and bronze bushed or roller bearing.
- Blocks listed below carried in stock, other sizes available, prices upon request.

SPECIFICATIONS

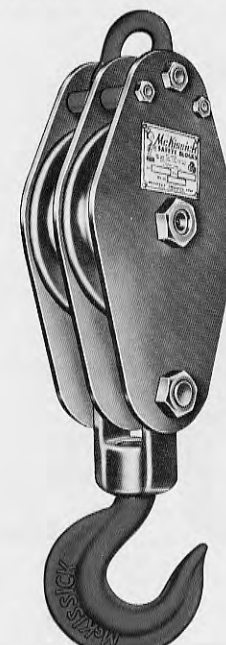
Size Block	Block Number	Sheave Diameter Inches	Center Pin Diameter Inches	Wire Rope Diameter Inches	Weight Pounds Each	Working Load Tons
18x10" Single	501	10	2	5/8	75	5
18x10" Double	502	10	2	5/8	110	8
18x10" Triple	503	10	2	5/8	150	12
22x12" Single	501	12	2 1/4	5/8-3/4	130	7
22x12" Double	502	12	2 1/4	5/8-3/4	130	12
22x12" Triple	503	12	2 1/4	5/8-3/4	235	18
24x14" Single	501	14	2 3/4	3/4	175	12
24x14" Double	502	14	2 3/4	3/4	250	18
24x14" Triple	503	14	2 3/4	3/4	300	25
28x17" Single	501	17	3 1/2	1	220	20
28x17" Double	502	17	3 1/2	1	350	25
28x17" Triple	503	17	3 1/2	1	420	32
31x18" Single	501	18	4	1	275	25
31x18" Double	502	18	4	1	370	32
31x18" Triple	503	18	4	1	525	40
36x20" Single	501	20	4	1	450	30
36x20" Double	502	20	4	1	600	40
36x20" Triple	503	20	4	1	750	50

• All working loads for McKissick Construction Blocks have a minimum 3 to 1 safety factor, based on tensile strengths of materials. Blocks of any size for any required working loads are available.

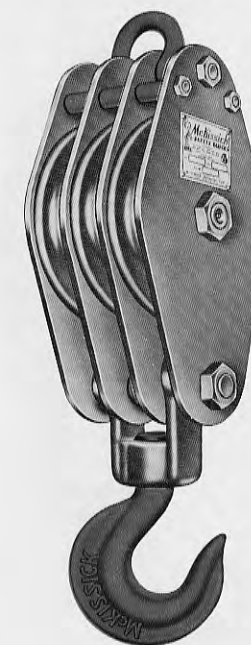
510-OVAL PATTERN • SWIVEL HOOKS
810-DIAMOND PATTERN • SWIVEL HOOKS



511
(Single)



512
(Double)



513
(Triple)

All Steel Construction, Steel Sheaves, Forged Steel Swivel Hooks.
Large Center Pins, Bronze Bushings or Roller Bearings.

- In ordering, please specify: Size and block number, number of sheaves, proper wire rope size, and bronze bushed or roller bearing.

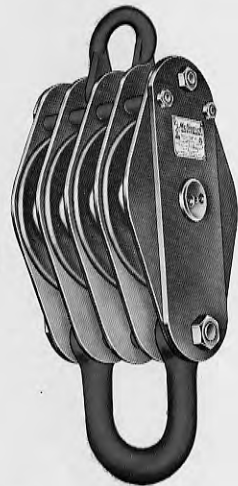
- Series 810 (not illustrated) furnished with rope guards, diamond pattern shell.

SPECIFICATIONS

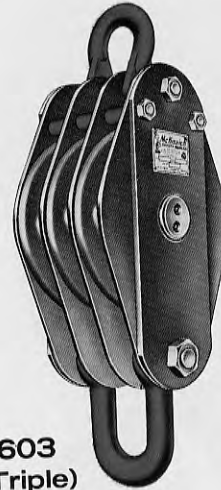
Size Block	Block Number	Sheave Diameter Inches	Center Pin Diameter Inches	Wire Rope Diameter Inches	Weight Pounds Each	Working Load Tons
6" Single	511	6	1 1/2	5/8-3/4	40	3
6" Double	512	6	1 1/2	5/8-3/4	60	5
6" Triple	513	6	1 1/2	5/8-3/4	80	8
8" Single	511	8	1 1/2	5/8-3/4	45	4
8" Double	512	8	1 1/2	5/8-3/4	68	8
8" Triple	513	8	1 1/2	5/8-3/4	85	12
10" Single	511	10	1 1/2	5/8-3/4	57	5
10" Double	512	10	1 1/2	5/8-3/4	78	10
10" Triple	513	10	1 1/2	5/8-3/4	103	15
12" Single	511	12	1 1/2	5/8-3/4	66	7
12" Double	512	12	1 1/2	5/8-3/4	90	12
12" Triple	513	12	1 1/2	5/8-3/4	110	17
14" Single	511	14	1 1/2	5/8-3/4	75	8
14" Double	512	14	1 1/2	5/8-3/4	110	14
14" Triple	513	14	1 1/2	5/8-3/4	130	18

• McKissick Construction Blocks are available with all types of special connections. Swivels of all types, hangers to fit any type fitting, (Page 44.)

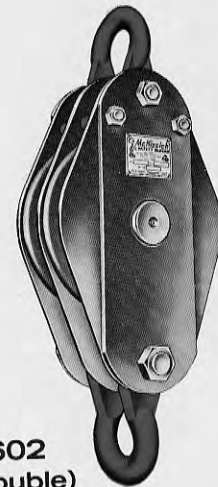
604
(Quadruple)



603
(Triple)



602
(Double)



601
(Single)



605
(Quintuple)



- All Steel Construction, heavy steel plates and bars, steel sheaves, cold finished steel pins.
- High speed bronze bushings, or high load roller bearings in sheaves.
- Alloy Cast steel sheaves, flame hardened, machine grooved to proper line size.
- Can be furnished for any size wire rope, but unless otherwise specified, will be furnished as shown.
- Extra large center pins, drilled and countersunk for Alemite lubrication.

606
(Sextuple)



607
(Septuple)



608
(Octuple)



Bronze bushed blocks have ample capacity for medium speed operations, but for continued high speed operations we recommend roller bearing blocks. Roller bearing blocks also reduce the friction loss in a multiple sheave string-up.

NOTE: In ordering, please specify: Size and figure number, number of sheaves, proper wire rope size, and bronze bushed or roller bearing.

- All working loads for McKissick Construction Blocks have a minimum 3 to 1 safety factor, based on tensile strengths of materials. Blocks of any size for any required working loads are available.

SPECIFICATIONS

SERIES 600

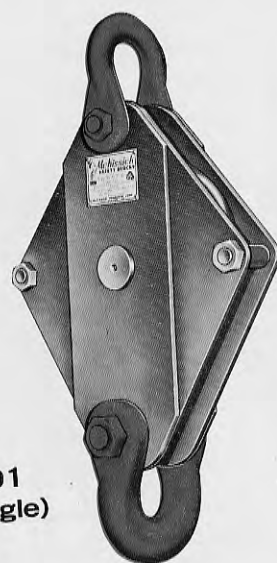
Block Number	Safe Working Load, Tons	Sheave Size Inches	Number of Sheaves	Center Pin Dia. Inches	Wire Rope Size Inches	Wt. Pounds Each
10" 601 Single	5	10	1	2	5/8-3/4	95
10" 602 Double	8	10	2	2	5/8-3/4	110
10" 603 Triple	12	10	3	2	5/8-3/4	150
10" 604 Quadruple	16	10	4	2	5/8-3/4	190
10" 605 Quintuple	24	10	5	2	5/8-3/4	250
12" 601 Single	7	12	1	2 1/4	5/8-3/4	120
12" 602 Double	12	12	2	2 1/4	5/8-3/4	160
12" 603 Triple	18	12	3	2 1/4	5/8-3/4	200
12" 604 Quadruple	24	12	4	2 1/4	5/8-3/4	275
12" 605 Quintuple	35	12	5	2 1/4	5/8-3/4	305
14" 601 Single	10	14	1	2 3/4	3/4	130
14" 602 Double	20	14	2	2 3/4	3/4	200
14" 603 Triple	30	14	3	2 3/4	3/4	235
14" 604 Quadruple	40	14	4	2 3/4	3/4	350
14" 605 Quintuple	50	14	5	2 3/4	3/4	425
14" 606 Sextuple	60	14	6	2 3/4	3/4	505
14" 607 Septuple	70	14	7	2 3/4	3/4	580
14" 608 Octuple	80	14	8	2 3/4	3/4	650
17" 601 Single	15	17	1	3 1/2	1	215
17" 602 Double	25	17	2	3 1/2	1	325
17" 603 Triple	35	17	3	3 1/2	1	400
17" 604 Quadruple	50	17	4	3 1/2	1	550
17" 605 Quintuple	65	17	5	3 1/2	1	700
17" 606 Sextuple	85	17	6	3 1/2	1	825
17" 607 Septuple	100	17	7	3 1/2	1	935
17" 608 Octuple	120	17	8	3 1/2	1	1040
18" 601 Single	18	18	1	4	1	270
18" 602 Double	30	18	2	4	1	400
18" 603 Triple	45	18	3	4	1	500
18" 604 Quadruple	65	18	4	4	1	675
18" 605 Quintuple	80	18	5	4	1	850
18" 606 Sextuple	95	18	6	4	1	950
18" 607 Septuple	110	18	7	4	1	1040
18" 608 Octuple	125	18	8	4	1	1125
20" 601 Single	20	20	1	4	1	415
20" 602 Double	35	20	2	4	1	575
20" 603 Triple	55	20	3	4	1	675
20" 604 Quadruple	75	20	4	4	1	750
20" 605 Quintuple	100	20	5	4	1	900
20" 606 Sextuple	120	20	6	4	1	1000
20" 607 Septuple	140	20	7	4	1	1075
20" 608 Octuple	160	20	8	4	1	1200
24" 601 Single	25	24	1	4	1-1/8	550
24" 602 Double	45	24	2	4	1-1/8	825
24" 603 Triple	65	24	3	4	1-1/8	1200
24" 604 Quadruple	90	24	4	4	1-1/8	1500
24" 605 Quintuple	120	24	5	4	1-1/8	1675
24" 606 Sextuple	140	24	6	4	1-1/8	1900
24" 607 Septuple	160	24	7	4	1-1/8	2250
24" 608 Octuple	180	24	8	4	1-1/8	2600

- McKissick Construction Blocks are available with all types of special connections. Swivels of all types, hangers to fit any type fitting, (Page 44.)

DIAMOND PATTERN CONSTRUCTION BLOCKS EXTRA HEAVY

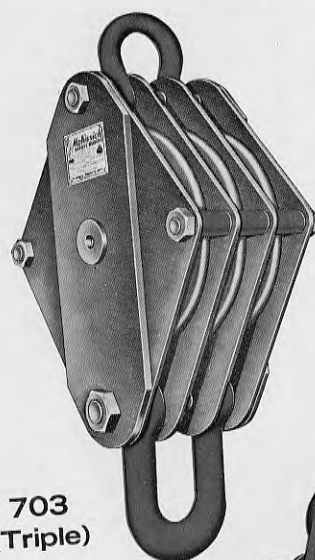


702
(Double)

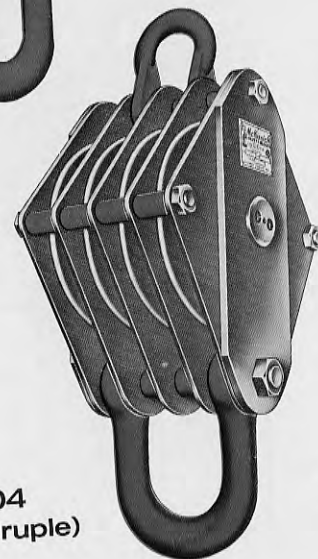


701
(Single)

NOTE: In ordering, please specify: Size and block number, number of sheaves, proper wire rope size, and bronze bushed or roller bearing.



703
(Triple)



704
(Quadruple)



705
(Quintuple)



706
(Sextuple)

- Same specifications and quality as our series 600 Construction blocks, Page 52, but in Diamond Pattern, preferred by some operators.
- Sheave sizes from 6" to 50", with one to any number of sheaves available in any desired capacity, prices upon request.

• All working loads for McKissick Construction Blocks have a minimum 3 to 1 safety factor, based on tensile strengths of materials. Blocks of any size for any required working loads are available.

SPECIFICATIONS

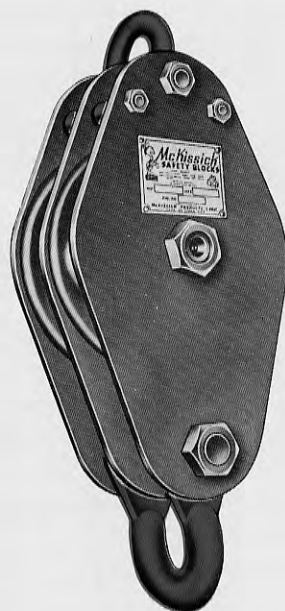
SERIES 700

Block Number	Safe Working Load, Tons	Sheave Size Inches	Number of Sheaves	Center Pin Dia. Inches	Wire Rope Size Inches	Wt. Pounds Each
10" 701 Single	5	10	1	2	5/8-3/4	95
10" 702 Double	8	10	2	2	5/8-3/4	110
10" 703 Triple	12	10	3	2	5/8-3/4	150
10" 704 Quadruple	16	10	4	2	5/8-3/4	190
10" 705 Quintuple	24	10	5	2	5/8-3/4	250
12" 701 Single	7	12	1	2 1/4	5/8-3/4	120
12" 702 Double	12	12	2	2 1/4	5/8-3/4	160
12" 703 Triple	18	12	3	2 1/4	5/8-3/4	200
12" 704 Quadruple	24	12	4	2 1/4	5/8-3/4	275
12" 705 Quintuple	35	12	5	2 1/4	5/8-3/4	305
14" 701 Single	10	14	1	2 3/4	3/4	130
14" 702 Double	20	14	2	2 3/4	3/4	200
14" 703 Triple	30	14	3	2 3/4	3/4	235
14" 704 Quadruple	40	14	4	2 3/4	3/4	350
14" 705 Quintuple	50	14	5	2 3/4	3/4	425
14" 706 Sextuple	60	14	6	2 3/4	3/4	505
14" 707 Septuple	70	14	7	2 3/4	3/4	580
14" 708 Octuple	80	14	8	2 3/4	3/4	650
17" 701 Single	15	17	1	3 1/2	1	215
17" 702 Double	25	17	2	3 1/2	1	325
17" 703 Triple	35	17	3	3 1/2	1	400
17" 704 Quadruple	50	17	4	3 1/2	1	550
17" 705 Quintuple	65	17	5	3 1/2	1	700
17" 706 Sextuple	85	17	6	3 1/2	1	825
17" 707 Septuple	100	17	7	3 1/2	1	935
17" 708 Octuple	120	17	8	3 1/2	1	1040
18" 701 Single	18	18	1	4	1	270
18" 702 Double	30	18	2	4	1	400
18" 703 Triple	45	18	3	4	1	500
18" 704 Quadruple	65	18	4	4	1	675
18" 705 Quintuple	80	18	5	4	1	850
18" 706 Sextuple	95	18	6	4	1	950
18" 707 Septuple	110	18	7	4	1	1040
18" 708 Octuple	125	18	8	4	1	1125
20" 701 Single	20	20	1	4	1	415
20" 702 Double	35	20	2	4	1	575
20" 703 Triple	55	20	3	4	1	675
20" 704 Quadruple	75	20	4	4	1	750
20" 705 Quintuple	100	20	5	4	1	900
20" 706 Sextuple	120	20	6	4	1	1000
20" 707 Septuple	140	20	7	4	1	1075
20" 708 Octuple	160	20	8	4	1	1200
24" 701 Single	25	24	1	4	1-1/8	550
24" 702 Double	45	24	2	4	1-1/8	825
24" 703 Triple	65	24	3	4	1-1/8	1200
24" 704 Quadruple	90	24	4	4	1-1/8	1500
24" 705 Quintuple	120	24	5	4	1-1/8	1675
24" 706 Sextuple	140	24	6	4	1-1/8	1900
24" 707 Septuple	160	24	7	4	1-1/8	2250
24" 708 Octuple	180	24	8	4	1-1/8	2600

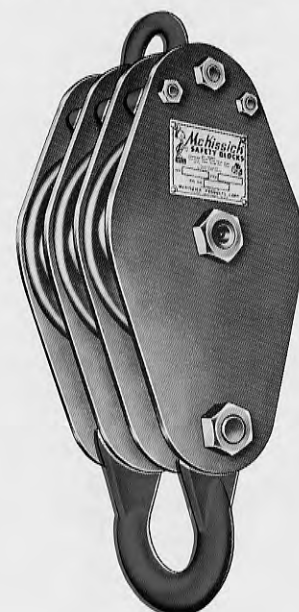
• McKissick Construction Blocks are available with all types of special connections. Swivels of all types, hangers to fit any type fitting, (Page 44.)



611
(Single)



612
(Double)



613
(Triple)

- All steel construction, steel sheaves, machine grooved to proper wire rope size.
- Generous pins and bearings, Alenite lubrication.
- High speed bronze bushings or needle bearings in sheaves.

NOTE: In ordering, please specify: Size and Block number, number of sheaves, proper size wire rope, and bronze bushed or roller bearing.

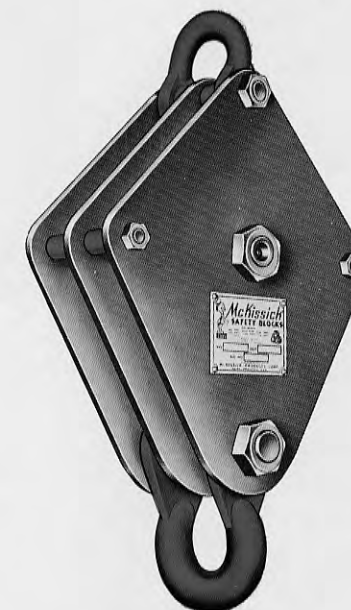
SPECIFICATIONS

Block Figure Number	Safe Working Load, Tons	Sheave Size Inches	Number of Sheaves	Center Pin Diameter Inches	Wire Rope Size Inches	Weight Pounds Each
6" 611 Single	3	6	1	1 1/2	5/8-3/4	25
6" 612 Double	5	6	2	1 1/2	5/8-3/4	40
6" 613 Triple	7	6	3	1 1/2	5/8-3/4	60
6" 614 Quadruple	9	6	4	1 1/2	5/8-3/4	75
8" 611 Single	4	8	1	1 1/2	5/8-3/4	35
8" 612 Double	6	8	2	1 1/2	5/8-3/4	50
8" 613 Triple	9	8	3	1 1/2	5/8-3/4	65
8" 614 Quadruple	12	8	4	1 1/2	5/8-3/4	85
10" 611 Single	4	10	1	1 1/2	5/8-3/4	42
10" 612 Double	6	10	2	1 1/2	5/8-3/4	65
10" 613 Triple	9	10	3	1 1/2	5/8-3/4	85
10" 614 Quadruple	12	10	4	1 1/2	5/8-3/4	100
12" 611 Single	5	12	1	1 1/2	5/8-3/4	50
12" 612 Double	8	12	2	1 1/2	5/8-3/4	75
12" 613 Triple	12	12	3	1 1/2	5/8-3/4	100
12" 614 Quadruple	15	12	4	1 1/2	5/8-3/4	125
14" 611 Single	6	14	1	1 1/2	5/8-3/4	70
14" 612 Double	9	14	2	1 1/2	5/8-3/4	110
14" 613 Triple	12	14	3	1 1/2	5/8-3/4	150
14" 614 Quadruple	15	14	4	1 1/2	5/8-3/4	175

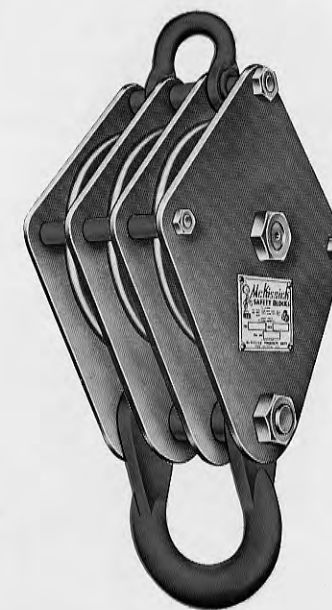
• All working loads for McKissick Construction Blocks have a minimum 3 to 1 safety factor, based on tensile strengths of materials. Blocks of any size for any required working loads are available.



711
(Single)



712
(Double)



713
(Triple)

- Same general construction as series 610 blocks shown on opposite page, but diamond pattern with rope guards.
- Medium weight blocks can be grooved for wire rope from 1/2" to 7/8" diameter, but unless otherwise specified, will be furnished for sizes as shown below.

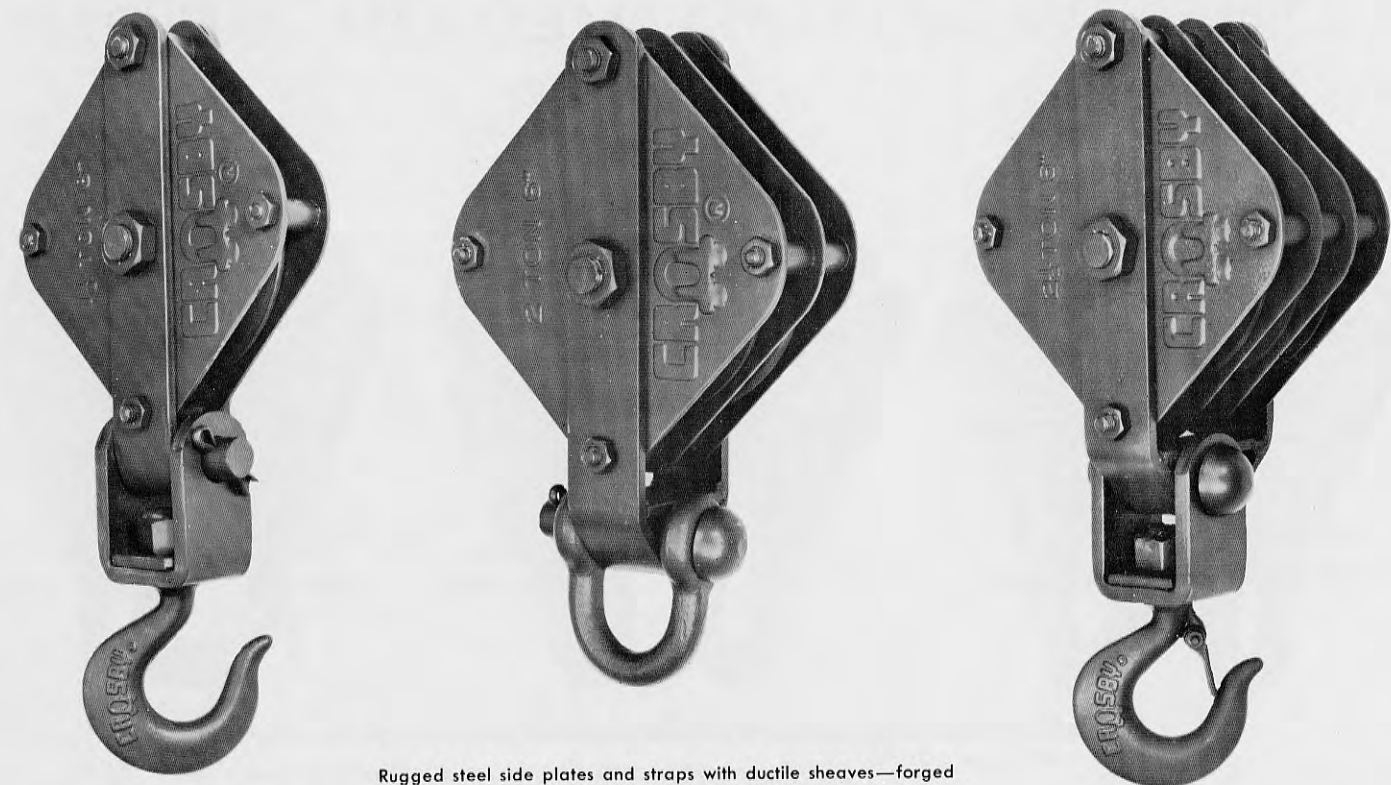
NOTE: In ordering, please specify: Size and Block number, number of sheaves, proper size wire rope, and bronze bushed or roller bearing.

SPECIFICATIONS

Block Figure Number	Safe Working Load, Tons	Sheave Size Inches	Number of Sheaves	Center Pin Diameter Inches	Wire Rope Size Inches	Weight Pounds Each
6" 711 Single	3	6	1	1 1/2	5/8-3/4	25
6" 712 Double	5	6	2	1 1/2	5/8-3/4	40
6" 713 Triple	7	6	3	1 1/2	5/8-3/4	60
6" 714 Quadruple	9	6	4	1 1/2	5/8-3/4	75
8" 711 Single	4	8	1	1 1/2	5/8-3/4	35
8" 712 Double	6	8	2	1 1/2	5/8-3/4	50
8" 713 Triple	9	8	3	1 1/2	5/8-3/4	65
8" 714 Quadruple	12	8	4	1 1/2	5/8-3/4	85
10" 711 Single	4	10	1	1 1/2	5/8-3/4	42
10" 712 Double	6	10	2	1 1/2	5/8-3/4	65
10" 713 Triple	9	10	3	1 1/2	5/8-3/4	85
10" 714 Quadruple	12	10	4	1 1/2	5/8-3/4	100
12" 711 Single	5	12	1	1 1/2	5/8-3/4	50
12" 712 Double	8	12	2	1 1/2	5/8-3/4	75
12" 713 Triple	12	12	3	1 1/2	5/8-3/4	100
12" 714 Quadruple	15	12	4	1 1/2	5/8-3/4	125
14" 711 Single	6	14	1	1 1/2	5/8-3/4	70
14" 712 Double	9	14	2	1 1/2	5/8-3/4	110
14" 713 Triple	12	14	3	1 1/2	5/8-3/4	150
14" 714 Quadruple	15	14	4	1 1/2	5/8-3/4	175

• McKissick Construction Blocks are available with all types of special connections. Swivels of all types, hangers to fit any type fitting. Page 44.

CROSBY *Load Rated*[®] WIRE ROPE BLOCKS



Rugged steel side plates and straps with ductile sheaves—forged heat treated hook. Capacity permanently embossed on side plate.

C-710

SPECIFICATIONS

Block Number	Safe Working Load Tons	Sheave Size Inches	Number of Sheaves	Fitting	Wire Rope Size Inches	Weight Pounds Each
20611	1½	6	1	Swivel Hook	¾ or ½	15
20613	1½	6	1	Shackle	¾ or ½	14
20621	2	6	2	Swivel Hook	¾ or ½	23
20623	2	6	2	Shackle	¾ or ½	19
20631	2½	6	3	Swivel Hook	¾ or ½	31
20633	2½	6	3	Shackle	¾ or ½	27
20811	2	8	1	Swivel Hook	½ or ⅝	24
20813	2	8	1	Shackle	½ or ⅝	22
20821	2½	8	2	Swivel Hook	½ or ⅝	37
20823	2½	8	2	Shackle	½ or ⅝	34.5
20831	3	8	3	Swivel Hook	½ or ⅝	51
20833	3	8	3	Shackle	½ or ⅝	49.5
21011	2½	10	1	Swivel Hook	½ or ⅝	35
21013	2½	10	1	Shackle	½ or ⅝	32
21021	3	10	2	Swivel Hook	½ or ⅝	50
21023	3	10	2	Shackle	½ or ⅝	46
21031	3½	10	3	Swivel Hook	½ or ⅝	68
21033	3½	10	3	Shackle	½ or ⅝	61

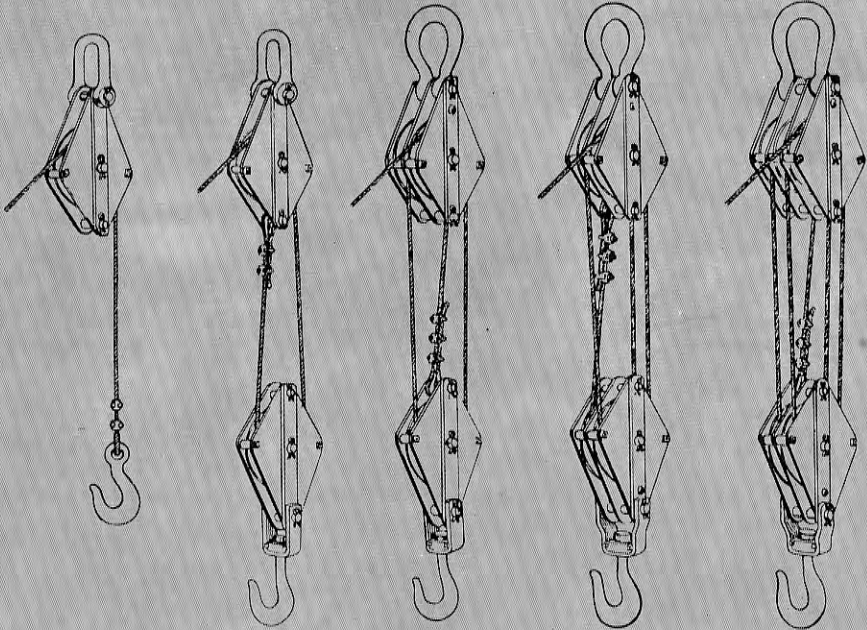
ORDERING BLOCKS WITH SAFETY SWIVEL HOOKS

When ordering the Crosby Standard Block with safety swivel hook, add the letter "S" following the block number. As an example, Block No. 20611 is the 1½ ton six inch single block with swivel hook. Block No. 20611-S is the same block but with the safety swivel hook.

HOW TO
FIGURE
LINE PARTS...

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, the following ratio table is provided with examples of how to use it.

Number of Parts of Line	Ratio for Bronze Bushed Sheaves	Ratio for Anti-Friction Bearing Sheaves
1	0.96	.98
2	1.87	1.94
3	2.75	2.88
4	3.59	3.81
5	4.39	4.71
6	5.16	5.60
7	5.90	6.47
8	6.60	7.32
9	7.27	8.16
10	7.91	8.98
11	8.52	9.79
12	9.11	10.6
13	9.68	11.4
14	10.2	12.1
15	10.7	12.9
16	11.2	13.6
17	11.7	14.3
18	12.2	15.0
19	12.6	15.7
20	13.0	16.4
21	13.4	17.0
22	13.8	17.7
23	14.2	18.3
24	14.5	18.9



1 PART OF LINE 2 PARTS OF LINE 3 PARTS OF LINE 4 PARTS OF LINE 5 PARTS OF LINE

USING THE
RATIO TABLE
RATIO FORMULA

TOTAL LOAD TO BE LIFTED
SINGLE LINE PULL IN POUNDS = RATIO

Example:
To find the *number of parts of line* needed when weight of load and single line pull is established.
Sample Problem:
72,480 lbs. (load to be lifted) = 9.06 RATIO
8,000 lbs. (single line pull)
Refer to ratio 9.06 in table or number nearest to it, then check column under heading "Number of Parts of Line"... 12 parts of line to be used for this load.

Example:
To find *single line pull* needed when weight of load and number of parts of line are established.
Sample Problem:
68,000 lbs. (load to be lifted) = 10,300 lbs. (single line pull)
6.60 (ratio of 8 part line)
10,300 lbs. single line pull required to lift this load on 8 parts of line.

Examples