Chain & Chain Hardware

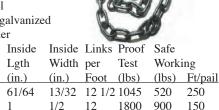
Steel Proof Coil Chain

- Grade 30
- · Made of open hearth steel
- Self-colored is standard, galvanized available as a special order

(in.)

3/16

1/4



10 3/4 2720

9 3/4 3720

1360 90

1860 60

High Test Proof Coil Chain

Size

Size Mat. Lgth

(in.)

7/32

9/32

• Grade 43

Cat #

HR510316

HR51014

HR51038

HR510516

- Made of open hearth steel
- · Self-colored is standard, galvanized available as a special order

(in.)

1

13/32 1 15/64 5/8

5/16 11/32 1 7/64 1/2

• Working Load Limit - 2600 lbs

Cat. #	Size	Length
HRHTC14150	1/4"	pail - 150'
HRHTC14800	1/4"	drum - 800

Sash Chain

- Folded steel that's looped together tradionally used in windows
- Safe working Load 131 lbs.

Cat. #	Size	Length
HR2515		100'/box

Fixture Chain

• 1/8" bent wire chain tradionally used to hang floruescent fixtures Cat. # Chain Length Quantity HR2510 36" 100'/box



• Packed 100' per box

		Tensile	Links	Length
Cat #	Size	Strength	per ft	of Link
HR25056	#6	435 lbs	10	1 9/16
HR25058	#8	268 lbs	11	1 5/16
HR25058250)#8	268 lbs	11	1 5/16 -250' box
HR250510	#10	195 lbs	12	1 1/4
HR250512	#12	145 lbs	16	1
HR250514	#14	66 lbs	19	13/16
HR250516	#16	55 lbs	25	11/16
HR250518	#18	50 lbs	31	1/2

Studio

Chain

- Constructed of #1026 Alloy between Grade 30 and Grade 43
- The links are elongated allowing you to put the shackle in the middle of the link as opposed to Grade 30 and Grade 43 where you have to install the shackle at the dead end link.
- •Safe working Load 2,000 lbs.

Cat. #	Size	Length
HR2524C	6/0	100'/box
HR2524M	6/0	1000'/drum

Locking Connecting Link

· Locks and unlocks easily and quickly

Cat #	Size, chain	Length, ove
HR3678316	3/16"	2"
HR367814	1/4"	2 1/8"
HR3678516	5/16"	3"
HR367838	3/8"	3 3/8"
HR367812	1/2"	4"



Lap Link

- Made of wrought steel
- Used to fasten chains onto beam clamps and nine battens

and pipe batt	CIIS		
Cat #	Size (in)	Width (in)	Length (in)
HR3660316	3/16	1/2	1 1/4
HR366014	1/4	1/2	1 1/4
HR3660516	5/16	3/4	1 1/2
HR366038	3/8	1 3/8	1 3/4

Screw Pin Shackles

• Made of weldless drop forged steel with a heavy galvanized coating

	, 501.0111200			
		Length	Betwee	n Pin
Cat #	Size	Inside	Eye	Diameter
H32903/16	3/16"	7/8"	7/16"	1/4"
H32901/4	1/4"	1 1/16"	7/16"	5/16"
H32905/16	5/16"	1 1/4"	9/16"	3/8"
H32903/8	3/8"	1 1/2"	5/8"	7/16"
H32901/2	1/2"	2"	7/8"	5/8"

Hand Operated Cutters Better known as "Bolt Cutters"



• Maximum hardness of material to be cut - Brinell 400, Rockwell C42

Weight	Handle	Cutting	
lbs	Length	Capacity*	Capacity**
2 3/4	14"	5/16"	3/16"
3 1/2	18"	3/8"	1/4"
5 1/4	24"	7/16"	5/16"
8 1/2	30"	1/2"	3/8"
12 7/7	36"	9/16"	7/16"
17 1/8	42"	11/16"	1/2"
	lbs 2 3/4 3 1/2 5 1/4 8 1/2 12 7/7	lbs Length 2 3/4 14" 3 1/2 18" 5 1/4 24" 8 1/2 30" 12 7/7 36"	Ibs Length Capacity* 2 3/4 14" 5/16" 3 1/2 18" 3/8" 5 1/4 24" 7/16" 8 1/2 30" 1/2" 12 7/7 36" 9/16"

Cutting Capacity* - Soft, medium & hard materials (up to Brinell 300, Rockwell C31)

Cutting Capacity** -Hard materials

(up tp Brinell 400, Rockwell C31)

Aircraft Cable & Accessories

Galvanized Aircraft Cable

- Used where extreme strength and flexibility is desired
- Steel cable is made of 7 strands with 19 wires in each strand

• Available in 500' reels only



	Approximate
Diameter (in)	Breaking Stress (lbs)
1/32	185
1/16	480
1/8	1700
3/16	3700
1/4	7000

Black Aircraft Cable

- · Used where extreme strength and flexibility is desired
- Steel cable is made of 7 strands with 19 wires in each strand
- · Black in color

Cat #

HR5215132

HR5215116

HR521518

HR5215316

HR521514

• Available in 500' reels only

45	

		Approximate
Cat #	Diameter (in)	Breaking Stress (lbs)
HR5214116	1/16	400
HR521418	1/8	1500
HR5214316	3/16	3200
HR521514	1/4	6000

PVC Coated Cable

• Clear coated - 250'/ reel

Cat. #	Cable Dia.	PVC Coat
HR5216116	1/16" - 7 x 7	1/8"
HR521618	1/8" - 7 x 19	3/16"
HR5216316	3/16" - 7 x 19	1/4"
HR521614	1/4" - 7 x 19	5/16"

Nylon Coated Cable

• Clear coated - 250'/ reel

Cat. #	Cable Dia.	Nylon Coat
HR5217116	1/16" - 7 x 7	1/8"
HR521718	1/8" - 7 x 19	3/16"
HR5217316	3/16" - 7 x 19	1/4"
HR521714	1/4" - 7 x 19	5/16"

Nicopress Hand Tool

• Used to press on a #H2058 Nicopress Sleeve

• Fach size cable requires the proper tool size

Lacii Size Ca	able requires the pr
Cat #	For Size(s)
H2059116	1/16" (only)
H2059A	1/16" to 3/16"
H205914	1/4"
H205938	3/8"

Nicopress Bench Tool

- Used to press on a #H2058 Nicopress Sleeve
- Very efficient on large jobs Cat # For Size(s) 1/16" to 3/16" H2059B



Cable Cutters

• The unique triangular jaw design of these cutters does not leave a frayed end.

#HRC7

- Capacity: up to 3/16" diameter
- Length: 8" Weight: 10 oz.

#HRC9

- Capacity: up to 1/4" diameter
- Length: 13" Weight: 1.5 lbs.

#HRC12

- Capacity: up to 3/8" diameter
- Length: 19" Weight: 3 1bs.

#HRC16

- Capacity: up to 5/8" diameter
- Length: 23" Weight: 5 lbs.

Nicopress Sleeves

- Used to form loops or thimble eyes on cables
- During destruction tests, the cable failed while the eye and sleeve remained intact
- · OSHA approved
- Sold 100 per pack



Aluminum (economical)

Copper (expensive, but recommended for safety)

Cat #	Diameter	Cat #	Diameter
H2058C116	1/16"	H2058A116	1/16"
H2058C18	1/8"	H2058A18	1/8"
H2058C316	3/16"	H2058A316	3/16"
H2058C14	1/4"	H2058A14	1/4"
H2058C516	5/16"	H2058A516	5/16"
H2058C38	3/8"	H2058A38	3/8"

Aluminum Stop Sleeve

- Used as end stop on winches.
- Install with a Nicropress tool that is one size smaller

Cat #	Diameter	Cat #	Diameter
H2058SA18	1/8"	H2058SA516	5/16"
H2058SA316	3/16"	H2058SA38	3/8"
H2058SA14	1/4"		1

Copper Stop Sleeve

- Used as end stop on winches.
- Install with a Nicropress tool that is one size smaller

Cat #	Diameter	Cat #	Diameter
H2058SC18	1/8"	H2058SC516	5/16"
H2058SC316	3/16"	H2058SC38	3/8"
H2058SC14	1/4"		

Haven Grip #HT1604L

- Used to pull cable tight. Very handy.
- Made of forged steel with latch. Latch keeps grip from falling off cable.
- Cable capacity: 1/8" 1/2"



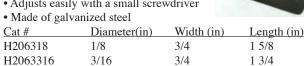
Wire Rope Clips & Turnbuckles

1 3/4

Flat Wire Rope Clamp

- Used to fasten the ends of small lines
- Adjusts easily with a small screwdriver

1/4



1

Wire Rope Clips

H206314

• Used in conjunction with wire rope thimbles to fasten cable around battens



		Thread	Overall	Center to
Cat #	Diameter	Diameter	Length	Center
H2062G116	1/16"	7/32"	7/8"	3/8"
H2062G18	1/8"	3/16"	1"	1/2"
H2062G316	3/16"	1/4"	1 1/16"	9/16"
H2062G14	1/4"	5/16"	1 1/2"	11/16"
H2062G516	5/16"	3/8"	1 11/16"	7/8"
H2062G38	3/8"	7/16"	2"	7/8"



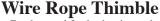
(expensive, but recommended for safety)

		Torque	Nut Drive	Minimum
Cat #	Diameter	Ft/lbs	Size	Clips
H2062DF18	1/8"	4.5	7/16"	2
H2062DF316	3/16"	7.5	1/2"	2
H2062DF14	1/4"	15	9/16"	2
H2062DF516	5/16"	30	11/16"	2
H2062DF38	3/8"	45	3/4"	3
H2062DF12	1/2"	65	7/8"	3

Fist Grip

- Clips cannot be installed incorrectly
- Drop Forged
- Minimum use: two for each loop

Cat. #	For Cable Size
H2246316	3/16", 1/4"
H2246516	5/16"
H224638	3/8"



• Can be used for both wire and manila rope			
Cat #	Diameter(in)	Width (in)	Length (in)
H2061116	1/16	1/2	1
H206118	1/8	3/4	1 5/8
H2061316	3/16	3/4	1 3/4
H206114	1/4	1	1 3/4
H2061516	5/16	13/16	2 1/8
H206138	3/8	15/16	2 1/4
H206112	1/2	1 5/32	2 5/8
H206158	5/8	2 3/8	3 1/2
H206134	3/4	2 5/8	3 3/4
H20611	1	3 3/8	5 3/4

Open Turnbuckles

• Made of drop forged steel with a heavy galvanized coating

			Bolt	Length
	Cat. #	Size	Takeup	Closed W.L.L
Hook and Eye	H330114	1/4"	4"	7 1/2" 500
	H3301516	5/16"	4 1/2"	8 1/2" 800
	H330138	3/8"	6"	11" 1,200
	H330112	1/2"	6"	11" 2,200
			Bolt	Length
	Cat. #	Size	Takeup	Closed W.L.L
Hook and Hook	H330214	1/4"	4"	7 1/2" 500
~	H3302516	5/16"	4 1/2"	8 1/2" 800
	H330238	3/8"	6"	11" 1,200
	H330212	1/2"	6"	11" 2,200
			Bolt	Length
	Cat. #	Size	Takeup	Closed W.L.L
Eye and Eye	H330314	1/4"	4"	7 1/2" 500
	H3303516	5/16"	4 1/2"	8 1/2" 800
	H330338	3/8"	6"	11" 1,200
	H330312	1/2"	6"	11" 2,200
			Bolt	Length
	Cat. #	Size	Takeup	Closed W.L.L
Eye and Jaw	H330414	1/4"	4"	7 1/2" 500
	H3304516	5/16"	4 1/2"	8 1/2" 800
	H330438	3/8"	6"	11" 1,200
	H330412	1/2"	6"	11" 2,200
	G . "	a.	Bolt	Length
	Cat. #	Size	<u>Takeup</u>	Closed W.L.L
Jaw and Jaw	H330514	1/4"	4"	7 1/2" 500
	H3305516	5/16"	4 1/2"	8 1/2" 800
-	H330538	3/8"	6"	11" 1,200
	H330512	1/2"	6"	11" 2,200

Eye & Eye Swivel

		Inside	
Cat #	Size	Length	W.L.L.
H367614	1/4"	3 1/4"	850
H3676516	5/16"	4 1/8"	1,250
H367638	3/8"	4 7/8"	2,250
H367612	1/2"	6 1/4"	3,600



0	-j		
Cat #	Size	Length	W.L.L.
H367714	1/4"	3"	850
H3677516	5/16"	3 3/4"	1,250
H367738	3/8"	4 3/4"	2,250
H367712	1/2"	6 1/4"	3,600



• Eyes are the same size



• Jaw end has a removable pin

Screw Pin Shackles

• Made of weldless drop forged steel with a heavy galvanized coating

Size	W.L.L.
3/16"	1/3 Ton
1/4"	1/2 Ton
5/16"	3/4 Ton
3/8"	1 ton
1/2"	2 Tons
5/8"	3 1/4 Tons
3/4"	4 3/4 Tons
7/8	6 1/2 Tons
1"	8 1/2 Tons
	3/16" 1/4" 5/16" 3/8" 1/2" 5/8" 3/4" 7/8

