



**Hardware, Supply, Forms &  
Contractors Equipment**

## MATERIAL HANDLING 2018

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## On-Site Tool Box

### Knaack® Jobmaster® Chest

#### STORAGEMASTER® Chest Standard Features:

- **Recessed Handles** - Ergonomic design allows for positive gripping even with a gloved hand. Eliminates damage to handles from transportation.
- **Heavy Gauge Steel** - 16-gauge steel body with fully arc-welded seams. 7-gauge cover tang provides maximum protection. The baked on enamel finish in our universally recognized TAN COLOR is your assurance for KNAACK® Equipment quality.
- **Protected gas springs** - Allow one-handed easy opening. Metal guards protect gas springs from damage during shifting loads.
- **Larger Shelves** - Larger shelves make it more convenient to store large power tools. Pre-punching holes make it easy to add accessory doors, which will protect valuable tools while the chest is open.
- **14-Gauge caster Ready Skids**



Knaack 69



Knaack 79



Knaack 89



Knaack 90

Model #	Depth	Width	Wt.	Cu. Ft.	Closed Height	Open Height
69	30"	60"	282 lbs.	35.3	37"	66"
79	30"	48"	287 lbs.	38.2	49"	78"
89	30"	60"	337 lbs.	47.8	49"	78"
90	30"	72"	380 lbs.	57.5	49"	78"

secured with the innovative WATCHMAN® IV Lock System

#### Knaack® Watchmen IV Lock Device

##### Features:

- Rotary style latch mechanism keeps the cover tight against the weather seal.
- Angled body design is ideal for use with fifth wheel and goose neck trailer applications.
- Back of the chest can be placed tight against the front of the pickup bed because zero clearance is needed for opening the cover.



**Fits JOBMMASTER® CHESTS Models: 32, 36, 42, 60, 69, 79, 89, 90 2472, 4824, 4830**

\*Note: Some welding required.



## On-Site Tool Box

KNAACK

### Knaack® Jobmaster® Chests

#### JOBMASTER® Chest Standard Features:

- **Recessed Handles** - Ergonomic design allows for positive gripping even with a gloved hand. Eliminates damage to handles from transportation.
- **Heavy Gauge Steel** - 16-gauge steel body with fully arc-welded seams provides extra strength and weather protection. Our universally recognized TAN COLOR is your assurance for KNAACK® Equipment quality.
- **Reinforced Deeper Cover** - Overlapping cover design for weather protection and resistance to forced entry.
- **14-Gauge caster Ready Skids**
- **Accessory Tool Tray**



Knaack 32



Knaack 36



Knaack 42



Knaack 60



Knaack 2048



Knaack 2472



Knaack 4824



Knaack 4830

\* Hand Held Tool Box features vary

Model #	Depth	Width	Wt.	Cu. Ft.	Closed Height	Open Height
32	19"	32"	84 lbs.	5	18 3/8"	34 3/8"
36	19"	36"	97 lbs.	7	21 3/8"	37 3/8"
42	19"	42"	114 lbs.	9	23 3/8"	39 3/8"
60	24"	60"	190 lbs.	20.25	28 1/4"	49 1/4"
2048	23"	24"	145 lbs.	16	28"	49"
2472	24"	72"	216 lbs.	24.5	28 1/4"	49 1/4"
4824	24"	48"	158 lbs.	16	28 1/4"	49 1/4"
4830	30"	48"	194 lbs.	25.25	34 1/4"	61 1/4"

secured with the innovative WATCHMAN® IV Lock System

## On-Site Tool Box

KNAACK

### Knaack® Monsterbox™ Series

The new **Monster Box™** series – piano box, chest and cabinet – is the product of an evolution and a revolution. Offering over-the-top durability, security and productivity, it's the most significant development in jobsite storage equipment in 25 years. From its revolutionary framing, to unparalleled lift system and integrated locking and three-point latching, this Monster is a different animal. One that's changing jobsite security forever.

#### Knaack® 1000 Monster Box - Piano Box

**Features:**

- Two recessed handles for safe closing, even with gloves on
- Gas spring guards
- Two shelves for extra storage and organization
- Interior storage grid-way
- Skids allow access from any side



Knaack 1000

Height	Width	Depth	Weight	Cu. Ft.
54 1/2"	66"	30"	405 lbs.	48



Knaack 1010

#### Knaack® 1010 Monster Box - Chest

**Features:**

- Deep cover design for strength and security
- Heavy-duty single cover support for easy closing
- Four-way skids allow access from any side

Height	Width	Depth	Weight	Cu. Ft.
36"	66"	30"	285 lbs.	31

#### Knaack® 1020 Monster Box - Cabinet

**Features:**

- Top shelf is 10 1/2
- Low center of gravity provides stability
- Open design, without center post
- Weather sealed doors for improved weather resistance
- Four-way skids allow access from any side

Height	Width	Depth	Weight	Cu. Ft.
54 1/2"	66"	30"	400 lbs.	52



Knaack 1020

## Work Benches / Tool Boxes

### Knaack® Jobmaster® Rolling Work Bench

The Knaack Model 40 Classic Rolling Work Bench provides a sturdy, mobile, efficient work center.

**Features:**

- INCLUDES:** (2) Drawers
- INCLUDES:** (1) Full-width shelf
- INCLUDES:** 4" Casters Set (2 swivel & 2 rigid)
  - Heavy Duty Drawers: Rated for 50 lbs.
  - Heavy Duty Drawers: Operate on ball-bearing slides.
- **WATCHMAN IV Lock System:** One-time install and two-point latching on each door provides extra security.
- Recessed lock housing to prevent theft from bolt-cutters, pry bars and hack saws.
- Heavy-duty steel construction with fully arc-welded seams.
- Full-length staked piano hinges resist pry-ins.
- Coated with **ARMOR-TUF** Powder Coat Finish.



Knaack 40

Height	Width	Depth	Weight	Load Capacity
37 1/2"	40 3/4"	25"	210 lbs.	800 lbs.

### Knaack® Hand Held Tool Boxes

The Knaack Model 28 and 30 Hand held Tool Boxes

#### Model 28

**Features:**

- Full arc welding for extreme support
- Hemmed edges for safe handling
- Optional model 51 accessory tray available



Knaack 28

#### Model 30 Welder's Tool Box

**Features:**

- Spot welded construction
- Powder Coat Finish
- Designed to hold: welders gloves, goggles, tools and rods.



Knaack 30

Model #	Depth	Width	Wt.	Cu. Ft.	Closed Height	Open Height
28 Tool Box	12"	28"	32 lbs.	2.3	12 3/8"	18 3/8"
30 Tool Box	16"	30"	38 lbs.	3.3	12 3/8"	18 3/8"



## Tool Box Accessories

**KNAACK**

### Knaack® Tool Tray Features:

- Designed to suspend across the top of the opening on your **JOBMASTER** Chest.
- Small tools will not get lost.
- Can be used to carry tools around jobsite.



Knaack 21



Knaack 31



Knaack 41



Knaack 51

Model #	Depth	Width	Height	Weight	Fits Model
21	4"	21 5/8"	8"	9 lbs.	2472, 4824, 60
31	8"	27 5/8"	4"	11 lbs.	4830
41	11"	27 5/8"	4"	11 lbs.	42, 36, 32
51	11"	27 5/8"	3"	11 lbs.	28

### Accessory Caster Sets

KNAACK Caster Sets include 2 rigid casters and 2 swivel casters. The 600 Heavy Duty Casters have a 3280 lbs. load capacity, brakes and fits most KNAACK job site storage boxes.



Knaack 404



Knaack 606

Model #	Size	Description	Load Rating	Ship Wt.	Fits
404	4"	Without Brakes	1060 lbs.	11 lbs.	ALL JOBMASTER & Classic Chest
505	5"	Without Brakes	1240 lbs.	18 lbs.	ALL JOBMASTER, STORAGE MASTER & Classic Chest
606	6"	Without Brakes	1360 lbs.	15 lbs.	All Models
600HD	6"	With Brakes	3280 lbs.	25 lbs.	All Models

### Knaack® 952 and 977 Replacement Gas Springs

**952** replacement Gas Spring for models **69** and **79**

**977** replacement Gas Spring for models

**80, 90, 91** and **119**

**Includes:** (2) gas springs



## Saddle Boxes

### WEATHER GUARD® ALUMINUM & STEEL SADDLE BOX

Our saddle box suspends from the side rails of your pickup truck, allowing for plenty of room underneath. All WEATHER GUARD Aluminum and Steel Cross Boxes are built with the same tough features to keep your tools safe.



#### Steel and Aluminum Features:

- **EXTREME PROTECTION®** Lock — Has tamper-resistant retracting lock.
- 90° cover opening for easy access.
- Crimp-free/drill-free install mounting brackets.
- Body channel for extra strength.
- Level storage secures 48" level.
- Full weather seal.
- 12V access for electrical up-fits.
- Automotive style latch with smooth "one touch" opening.
- Latch linkage protection.
- Reduced clearance cover.



Model 126-3-02  
Steel



Model 127-5-02  
Aluminum



Model 117-0-02  
Aluminum

color: yyy-X-zz, X = 3 = white, 0 = clear, 5 = black

#### Steel

Model #	Length	Width	Height	Base(L)	Base(W)	Base(H)	Cu. Ft.	Weight
116-3-02	71 1/2"	27 1/2"	18 1/2"	60"	27 1/4"	11 1/4"	15.3	157 lbs.
126-3-02	71 1/2"	20 1/4"	18 1/2"	60"	19 3/4"	11 1/4"	11.3	130 lbs.
156-3-01	62"	20 1/4"	13 1/4"	50-1/4"	19 3/4"	6 1/4"	6.5	100 lbs.

#### Aluminum

Model #	Length	Width	Height	Base(L)	Base(W)	Base(H)	Cu. Ft.	Weight
117-0-02	71 7/2"	27 1/2"	18 1/2"	60"	27 1/4"	11 1/4"	15.3	101 lbs.
117-5-02	71 1/2"	27 1/2"	18 1/2"	60"	27 1/2"	11 1/4"	15.3	101 lbs.
123-5-01	71 1/2"	20 1/4"	24"	60"	19 3/4"	17 1/4"	15.1	94 lbs.
127-0-02	71 1/2"	20 1/4"	18 1/2"	60"	19 3/4"	11 1/4"	11.3	84 lbs.
127-5-02	71 7/2"	20 1/4"	18 1/2"	60"	19 3/4"	11 1/4"	11.3	84 lbs.

## Chests / Cross Boxes

### All Purpose Chest

Whatever your storage need on your pickup truck, trailer or flatbed, **WEATHER GUARD®** All Purpose Chests are the answer! Designed for extra strength and durability, the unique, offset hinge design allows for zero clearance when opening the cover and allows for the chest back to be placed tightly against the front of the pickup bed.

#### Features:

- Rotary style latch mechanism keeps the cover tight against the weather seal.
- Angled body design is ideal for use with fifth wheel and goose neck trailer applications.



Model 664-0-01

Length	Width	Depth	Weight	Cu. Ft.
62"	20"	30"	57 lbs.	13.1

### Cross Boxes

With two independent covers, **WEATHER GUARD®** Cross Boxes offer easy access from either side of the truck and can be used separately or in combination with Lo-Side Boxes and Super-Lo Boxes. Cross boxes come in different sizes and styles to match both your truck and your trade.

#### Features:

- **ONE-TOUCH** latch mechanism and trademarked **RED PUSHBUTTON** on both ends of the box allows for one-handed opening of the box from either side of the truck.
- Suspends from the side of a pickup truck allowing plenty of room underneath.
- Twin, gull-wing type covers provide easy access from either side of truck. Each cover operates independently.
- Clear **ARMOR-TUF®** Powder Coat



Model 115-3-02



Model 114-0-01

color: yyy-X-zz, X = 3 = white, 0 = clear, 5 = black

#### Steel

Model #	Length	Width	Height	Base(L)	Base(W)	Base(H)	Cu. Ft.	Weight
115-3-02	71 1/2"	27 1/4"	17 7/8"	60"	27 1/4"	11 1/4"	17.5	175 lbs.

#### Aluminum

Model #	Length	Width	Height	Base(L)	Base(W)	Base(H)	Cu. Ft.	Weight
114-0-01	71 1/2"	27 1/4"	17 7/8"	60"	27 1/4"	11 1/4"	17.5	175 lbs.



## Hi Side Boxes

### STEEL AND ALUMINUM HI-SIDE/SUPER SIDE BOXES

Designed to carry more tools by freeing up the storage space in a cargo bed, **WEATHER GUARD®** Hi-Side Boxes come in both aluminum and steel with extensive reinforced design.

**Features:**

- Brushed stainless steel paddle handle, with rotary style latch mechanism features a two position latch that prevents the door from inadvertently opening.
- Aluminum doors swing down for easy access and a full view of the contents.
- Opened door is supported by aircraft-type cables with swaged fittings which can be removed to allow for a fully open swing down position.
- Rain gutter design is fully weather stripped and provides a positive seal.



Weather Guard



SUPERSIDE  
Model 290-3-02  
Steel



HI-SIDE  
Model 290-3-02  
Steel



HI-SIDE  
Model 396-3-02  
Aluminum

\* Indicates Super-Side Boxes

**Steel**

Model #	Length	Width	Height	Cu. Ft.	Weight
264-3-02	64 1/8"	12 3/8"	16"	7	96 lbs.
265-3-02*	64 1/8"	15 1/8"	18"	10	112 lbs.
290-3-02	90 1/8"	12 3/8"	16"	10	126 lbs.
291-3-02*	90 1/8"	15 1/8"	18"	14	145 lbs.
296-3-02	96 1/8"	12 3/8"	16"	11	133 lbs.

**Aluminum**

Model #	Length	Width	Height	Cu. Ft.	Weight
346-0-02	45 1/2"	13 1/2"	16"	5.6	45 lbs.
390-0-02	90 1/8"	13"	10"	11	72 lbs.
391-0-02*	90 1/8"	16"	18"	15	86 lbs.
396-3-02	96 1/8"	13"	16"	11.5	80 lbs.

## Low Side Boxes / Underbed Boxes

### STEEL AND ALUMINUM LO-SIDE BOXES

Designed to carry more tools by freeing up the storage space in a cargo bed, **WEATHER GUARD®** Lo-Side Boxes come in both aluminum and steel with extensive reinforced design.

**Features:**

- ONE-TOUCH latch mechanism and trade-marked RED PUSHBUTTON features a powder coated aluminum, automotive style latching system.
- Low profile box that mounts on the side rail of your pick up truck.
- Can be used separately or in combination with Cross or Saddle Boxes.
- J-hook mounting requires no drilling of holes in the rails.



Model 174-0-01  
Aluminum



Model 185-3-01  
Steel

**Aluminum**

Model #	Length	Width	Height	Cu. Ft.	Weight
174-0-01	56 1/4"	16 1/4"	13 1/4"	4.1	53 lbs.

**Steel**

Model #	Length	Width	Height	Cu. Ft.	Weight
175-3-01	60 3/8"	13 5/8"	12 7/8"	4.43	88 lbs.
185-3-01*	46 1/4"	13 1/2"	13"	3.2	63 lbs.

### STEEL UNDERBED BOX

**WEATHER GUARD®** Underbed Boxes are designed to take whatever you and the elements dish out. These rugged storage boxes keep larger heavy items and tools accessible when you need them, and safely out-of-sight when you don't.

**Features:**

- New Drill- and Weather-Resistant Lock Core helps protect against break-ins to keep tools and material secure.
- Heavy-duty Three-Point Latching System means valuable supplies will be safe and protected.
- New Box Gutter Design channels rain and snow off the box to keep contents dry.
- Quick-Release Tool-Less drop down doors adjust from 90° to 180° allowing full and easy access; No tools are required with QuickClips.
- Stainless Steel D-Handles are easy to grip, even with gloves on, and create a tight door seal.



Model 530-3-01



Model 548-5-01

Model #	Length	Width	Height	Cu Ft.	Weight
530-3-01	30 1/8"	18 1/8"	18 1/4"	5.6	70 lbs.
536-5-01	36 5/8"	18 1/4"	18"	6.7	89 lbs.
548-5-01	48 1/8"	18 1/4"	18 1/8"	9.1	100 lbs.
548-3-01	48 1/8"	18 1/4"	18 1/8"	9.1	100 lbs.



## Transfer Tanks

### Transfer Tanks

**WEATHER GUARD®** Fuel Transfer Tanks are designed specifically for transferring diesel fuel only, from the bed of a pickup truck to remote or heavy equipment. Constructed of heavy 14-gauge steel, the interior baffles prevent fuel sloshing and provide extra reinforcing, and the fill tube is reinforced with length that allows for tank expansion.

**Features:**

- Baffle design reduces fuel movement and provides extra reinforcement.
- Lockable and vented filler cap prevents excessive pressure build-up.
- Full arc-welded construction
- Plate steel flange for secure mounting
- May be used in combination with **WEATHER GUARD** cross and saddle boxes.
- Exterior of tanks are protected with Brite White powder coat finish.

\* Cross and Saddle Box combination not applicable for some vehicles.



Model 352-3



Model 354-3



Model 538-3

Model #	Application	Gallon Capacity	Weight
352-3	Full/Short Bed	70	165 lbs.
354-3	Full/Short Bed	88	186 lbs.
358-3*	Full Size Pickups	100	160 lbs.

### Weather Guard 355 Filler Caps

Replacement Filler Caps



**Transfer Tank, Pump and Saddle Box Combination**



## Ladder Racks / Roof Racks

Weather Guard

### Ladder Racks WEEKENDERS

**Weather Guard® WEEKENDER** Ladder Racks are available in an Angular and Horizontal design. Weather Guard WEEKENDER Ladder Racks are easy-on, easy-off, side-mounted ladder racks.

**Features:**

- Fits: '95 and newer pickups, Chevy, Dodge, Ford and Toyota
- Load Capacity: 250 lbs.
- Mounting Brackets can be installed on driver side or curb side
- Adjustable load bar
- Uprights remove easily from the truck
- Adjustable tubular steel pockets are fully arc-welded.
- Construction: 1 1/2" x 1 1/2", 14 gauge wall steel tubing
- Weight (lbs.): 56



Model 1450

Model 1475

### Steel Ladder Rack - Long Bed

The **WEATHER GUARD** Ladder Racks accommodate ladders and long material; all the oversized items you need to carry.

**Features:**

- Maximum load capacity 1,000 lbs.
- Tie-down bracket can be bolted wherever you wish.
- Has a removable rear cross member for loading large materials.



Model 1275

**Dimensions**

Height	Width	Weight	Load Capacity
149 1/2"	149 1/2"	171 lbs.	1,000 lbs.

### All Purpose Roof Rack

The **WEATHER GUARD**® Steel All-Purpose Racks for full size and mini vans are for vans with rain gutters. Gutter mount installs quickly and carries loads securely. Wide mounting bases prevent rocking.



Model 205-3

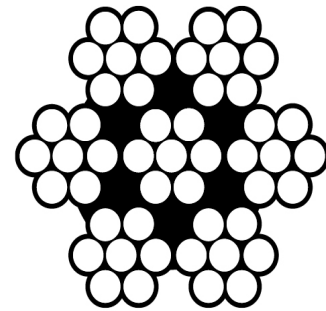
## Wire Rope

### Aircraft Cable



#### Galvanized Aircraft Cable

Size	Stock Number	Weight/1000' Construction	Weight/1000' (lbs.)	Breaking Strength (lbs.)
1/16*	GAC0627X7	7x7	7	480
3/32*	GAC0937X7	7x7	16	920
1/8*	GAC1257X7	7x7	28	1,700
3/16*	GAC1877X7	7x7	62	3,700
3/32*	GAC0937X19	7x19	17.4	1,050
1/8*	GAC1257X19	7x19	29	2,000
5/32*	GAC1567X19	7x19	45	2,800
3/16*	GAC1877X19	7x19	65	4,200
7/32*	GAC2187X19	7x19	86	5,600
1/4*	GAC2507X19	7x19	110	7,000
5/16*	GAC3127X19	7x19	173	9,800
3/8*	GAC3757X19	7x19	243	14,400

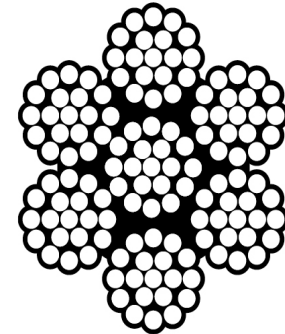


7x7

Standard Reel Lengths in Stock: 250', 500', 1,000' and 5,000'

#### Stainless Steel Aircraft Cable Type 304

Size	Stock Number	Construction	Weight/1000' (lbs.)	Breaking Strength (lbs.)
1/16*	SSAC0627X7	7x7	7.5	480
3/32*	SSAC0937X7	7x7	16	920
1/8*	SSAC1257X7	7x7	28	1,760
1/8*	SSAC1257X19	7x19	29	1,760
3/16*	SSAC1877X19	7x19	65	3,700
1/4*	SSAC2507X19	7x19	110	6,400
5/16*	SSAC3127X19	7x19	173	9,000
3/8*	SSAC3757X19	7x19	243	12,000



7x19

Standard Reel Lengths in Stock: 250' 500' 1,000' and 5,000'

#### Stainless Steel Aircraft Cable Type 316

Size	Stock Number	Construction	Weight/1 000' (lbs.)	Breaking Strength (lbs.)
1/16	SSAC062T316	7x7	7.5	360
3/32	SSAC093T316	7x7	16	700
1/8	SSAC125T316	7x19	29	1,300
3/16	SSAC187T316	7x19	65	2,900
1/4	SSAC250T316	7x19	110	4,900
5/16	SSAC312T316	7x19	173	7,600
3/8	SSAC375T316	7x19	243	11,000

Standard Reel Lengths in Stock: 250' 500' 1,000' and 5,000'

\*According to Federal Specification RR-W-410D

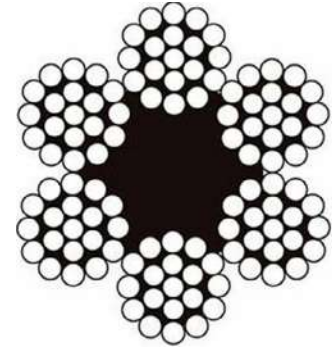
## Wire Rope

### Wire Rope



Bright – Wire Rope 6 x 19 Class

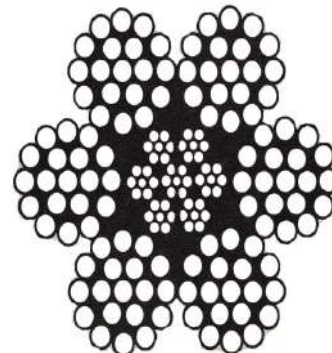
Size	Fiber Core			IWRC		
	Stock Number	Weight 1000' (lbs.)	Breaking Strength (lbs.)	Stock Number	Weight 1000' (lbs.)	Breaking Strength (lbs.)
1/4	BFC2506X19	110	5480	BIWRC2506X19	120	5890
5/16	BFC3126X19	160	8520	BIWRC3126X19	180	9160
3/8	BFC3756X19	230	12200	BIWRC3756X19	260	13100
7/16	BFC4376X19	320	16540	BIWRC4376X19	350	17780
1/2	BFC5006X19	420	21400	BIWRC5006X19	460	23000
9/16	BFC5626X19	530	27000	BIWRC5626X19	590	29000
5/8	BFC6256X19	660	33400	BIWRC6256X19	720	35400
3/4	BFC7506X19	950	47600	BIWRC7506X19	1040	51200
7/8	BFC8756X19	1290	64400	BIWRC8756X19	1420	69200
1	BFC1006X19	1680	83600	BIWRC1006X19	1850	89800



6x19 FC

Bright – Wire Rope 6 x 37 Class

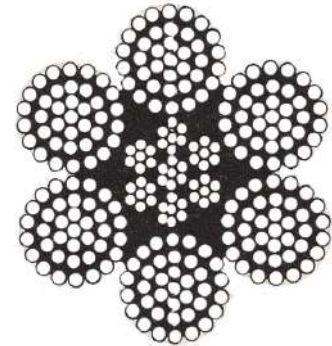
Size	Fiber Core			IWRC		
	Stock Number	Weight 1000' (lbs.)	Breaking Strength (lbs.)	Stock Number	Weight 1000' (lbs.)	Breaking Strength (lbs.)
1/4	BFC2506X37	110	5480	BIWRC2506X37	120	6890
5/16	BFC3126X37	160	8520	BIWRC3126X37	180	9160
3/8	BFC3756X37	240	12200	BIWRC3756X37	260	13100
7/16	BFC4376X37	320	16540	BIWRC4376X37	350	17780
1/2	BFC5006X37	420	21400	BIWRC5006X37	460	23000
9/16	BFC5626X37	530	27000	BIWRC5626X37	590	29000
5/8	BFC6256X37	660	33400	BIWRC6256X37	720	35800
3/4	BFC7506X37	950	47600	BIWRC7506X37	1040	51200



6x19 IWRC

Galvanized – Wire Rope 6 x 19 Class

Size	Fiber Core			IWRC		
	Stock Number	Weight 1000' (lbs.)	Breaking Strength (lbs.)	Stock Number	Weight 1000' (lbs.)	Breaking Strength (lbs.)
3/8	GFC3756X19	230	10980	GIWRC3756X19	260	11800
7/16	GFC4376X19	320	14880	GIWRC4376X19	350	16000
1/2	GFC5006X19	420	19260	GIWRC5006X19	460	20300
9/16	GFC5626X19	530	24200	GIWRC5626X19	590	26000
5/8	GFC6256X19	660	30000	GIWRC6256X19	720	32200
3/4	GFC7506X19	950	42800	GIWRC7506X19	1040	46000



6x37 IWRC



## Wire Rope

### Wire Rope

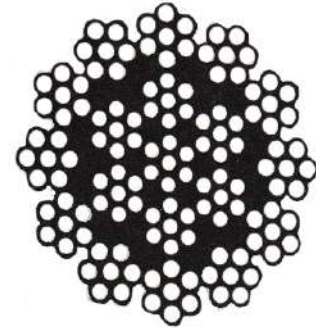


#### 19 x 7 Non-Rotating

Non-Rotating Wire Rope 19 x 7 Class

Size	Stock Number	Weight/1000' (lbs.)	Breaking Strength (lbs.)
3/8	BIWRC37519X7	250	11,200
7/16	BIWRC43719X7	350	16,000
1/2	BIWRC50019X7	450	19,700
9/16	BIWRC56219X7	570	26,000
5/8	BIWRC62519X7	710	30,600
3/4	BIWRC75019X7	1020	43,600

Available upon request: Spin Resistant Wire Rope 8 x 25 Class.

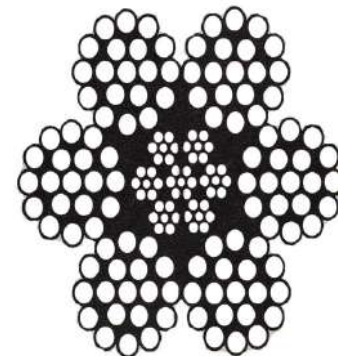


19x7  
NON-ROTATING

#### 6 x 25 Stainless Steel

Stainless Steel IWRC Wire Rope 6 x 25 Class

Size	Stock Number	Weight/1000' (lbs.)	Breaking Strength (lbs.)
7/16	SSIWRC437	356	16,300
1/2	SSIWRC500	460	22,800
9/16	SSIWRC562	590	28,500
5/8	SSIWRC625	720	35,000
3/4	SSIWRC750	1040	49,600
7/8	SSIWRC875	1420	58,000
1	SSIWRC100	1850	75,200



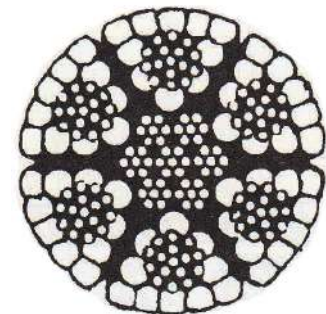
6 x 25  
Stainless Steel

#### 6 x 26 Super Swaged

Stainless Steel IWRC Wire Rope 6 x 37 Class

Size	Stock Number	Weight/1000' (lbs.)	Breaking Strength (lbs.)
3/8	SSIWRC3756X37	240	11,700
7/16	SSIWRC4376X37	330	15,800
1/2	SSIWRC5006X37	460	18,300
9/16	SSIWRC5626X37	540	25,600
5/8	SSIWRC6256X37	720	28,200

Available upon request: Stainless Steel Fiber Core Wire Rope and Stainless Steel 316 Wire Rope, 6 x 19 and 6 x 37.



6 x 26  
Super Swaged

#### Other Wire Ropes Available Upon Request

6x31 4x26 Scaffolding Ropes	All Crane Ropes
35x7 Non-Rotating Cable	Cable Laid 7x7x7
6x26 3x7 Super Swaged	Large Diameter
6x15 FC Lashing Rope	316 Stainless Steel 6x19 & 6x37

Note: Breaking strength ratings are listed for comparison purposes only. Actual operating loads may vary but should not exceed the recommended design factor of 20% of the product's breaking strength.

## Chain

### Chain



Grade 30  
Proof Coil Chain

**Grade 30 Proof Coil Chain Self Colored, Bright Zinc, Hot Galvanized**

Stock Number			Size	Feet/ Drum	Weight/ Foot (lbs.)	Working Load Limit (lbs.)
Self Colored	Bright Zinc	Hot Galvanized				
SCPC187	ZPPC187	HGPC187	3/16	750, 1500	0.41	750
SCPC250	ZPPC250	HGPC250	1/4	400, 800	0.68	1250
SCPC312	ZPPC312	HGPC312	5/16	275, 550	1.02	1900
SCPC375	ZPPC375	HGPC375	3/8	200, 400	1.47	2650
SCPC500	ZPPC500	HGPC500	1/2	100, 200	2.52	4500
SCPC625	ZPPC625	HGPC625	5/8	75, 150	4.06	6900
SCPC750	ZPPC750	HGPC750	3/4	50, 100	5.81	9750

**100# Dealer Pails:**

SCPC187X250	ZPPC187X250	HGPC187X250	3/16	250	0.41	750
SCPC250X141	ZPPC250X133/141	HGPC250X141	1/4	133, 141	0.68	1250
SCPC312X92	ZPPC312X92	HGPC312X92	5/16	92	1.02	1900
SCPC375X66	ZPPC375X66	HGPC375X66	3/8	66	1.47	2650
SCPC500X35	ZPPC500X35	HGPC500X35	1/2	35	2.52	4500

**Grade 43 High Test Chain Self Colored, Bright Zinc, Hot Galvanized**

Stock Number			Size	Feet/ Drum	Weight/ Foot (lbs.)	Working Load Limit (lbs.)
Self Colored	Bright Zinc	Hot Galvanized				
SCHT250	ZPHT250	HGHT250	1/4	400, 800	0.71	2600
SCHT312	ZPHT312	HGHT312	5/16	275, 550	1.04	3900
SCHT375	ZPHT375	HGHT375	3/8	200, 400	1.48	5400
SCHT500	ZPHT500	HGHT500	1/2	100, 200	2.51	9200
SCHT625	ZPHT625	HGHT625	5/8	75, 150	3.58	11500
SCHT750	ZPHT750	HGHT750	3/4	100	5.48	16200

**100# Dealer Pails:**

SCHT250X133	ZPHT250X133	HGHT250X133	1/4	133, 141	0.71	2600
SCHT312X92	ZPHT312X92	HGHT312X92	5/16	92	1.04	3900
SCHT375X66	ZPHT375X66	HGHT375X66	3/8	66	1.48	5400
SCHT500X33	ZPHT500X33	HGHT500X33	1/2	35	2.51	9200



Grade 43  
High Test Chain

**Grade 70 Transport Chain Yellow Chromate**

Stock Number	Size	Feet/Drum-Pail	Weight/ Foot (lbs.)	Working Load Limit (lbs.)
G70250	1/4	400, 800	0.63	3150
G70312	5/16	275, 550	0.93	4700
G70375	3/8	200, 400	1.41	6600
G70500	1/2	100, 200	2.4	11300
100# Dealer Pails:				
G70250X133	1/4	133	0.63	3150
G70312X92	5/16	92	0.93	4700
G70375X66	3/8	66	1.41	6600
G70500X33	1/2	33	2.4	11300



Grade 70  
Transport Chain

Note: Proof coil chain, high test grade 43 chain and grade 70 transport chain are not suitable for overhead lifting.

Advantage

## Chain

### Chain



Grade 80 Alloy Chain

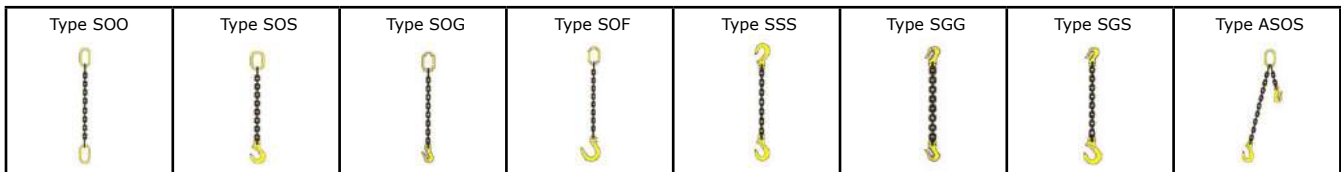
#### Grade 80 Alloy Chain

Stock Number	Size	Feet/Drum	Weight/ Foot (lbs.)	Working Load Limit (lbs.)
G80281	9/32	400, 800	3500	0.72
G80312	5/16	275, 550	4500	1.06
G80375	3/8	200, 400	7100	1.5
G80500	1/2	100, 200	12000	2.61
G80625	5/8	75, 150	18100	3.61
G80750	3/4	50, 100 2	8300	6.22

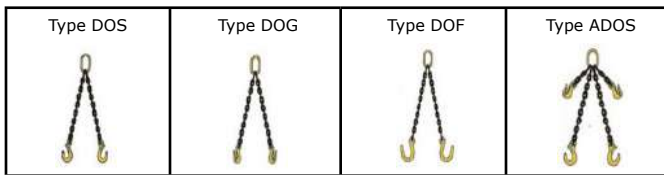
Note: Grade 80 alloy chain is approved by OSHA for overhead lifting.

### Alloy Chain, Slings

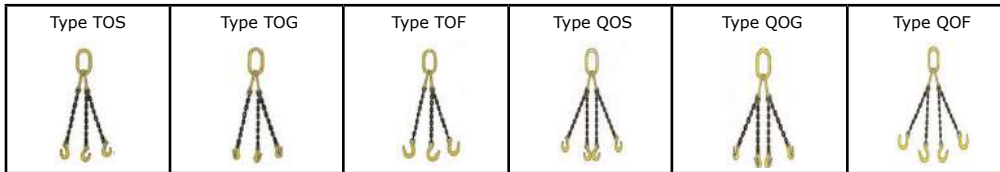
#### SINGLE



#### DOUBLE



#### TRIPLE/QUAD



**Note:**

1st Letter Indicates	2nd Letter Indicates	Top of Fitting	3rd Letter Indicates	Lower Fitting
S = Single Branch	O = Oblong Link	O = Oblong Link	S = Sling Hook	S = Sling Hook
D = Double Link	S = Sling Hook	G = Grab Hook	G = Grab Hook	G = Grab Hook
T = Triple Branch	G = Grab Hook	F = Foundry Hook	F = Foundry Hook	F = Foundry Hook
Q = Quadruple Branch	F = Foundry Hook			

#### Alloy Chain Sling Specifications

Chain Size Inches	Single Sling At 90° Angle	Double Sling At 60° Angle	Double Sling At 45° Angle	Double Sling At 30° Angle	Triple/Quadruple At 65° Angle	Triple/Quadruple At 45° Angle At 30° Angle	Triple/Quadruple Inches	Chain Size
1/4	4100	7100	5800	4100	10600	8700	6150	1/4
3/8	7300	12600	10300	7300	19000	15500	11000	3/8
1/2	13000	22500	18400	13000	33500	27500	19500	1/2
5/8	20300	35000	28500	20300	53000	43000	30500	5/8
3/4	29300	50500	41500	29300	76000	62000	44000	3/4
7/8	39900	69000	56500	39900	104000	85000	60000	7/8

## Chain Products

### Straight Link Machine Chain



- Uses: General utility; farm and animal.
- Standard Material: Low carbon steel.
- Standard Finish: Bright (BRT) and Blu-Krome (B.K.).
- Proof tested. Do not use for overhead lifting.

#### Carton - Straight Link Machine Chain (Order Unit is "Feet")

Trade Size	Nominal Dimensions (in. and mm)						Bright		Blu-Krome		Galvanized		Working Load Limit		Length		
	Material		Inside Dimensions				Cat. No.	UPC No. 20418	Cat. No.	UPC No. 20418	Cat. No.	UPC No. 20418			ft./ Ctn.	Lb./ 100'	Links/ ft.
	Dia.		Length		Width												
	in.	mm	in.	mm	in.	mm	lb.	kg									
4	0.12	3	0.55	14	0.21	5	--	--	310424	60908	--	--	215	98	100	11	21.8
3	0.14	3	0.59	15	0.24	6	--	--	310324	60878	--	--	270	122	100	15	20.3
2	0.15	4	0.61	15	0.26	7	--	--	310224	60847	--	--	325	147	100	19	19.7
1	0.16	4	0.63	16	0.28	7	--	--	310124	60816	--	--	390	177	100	23	19
1/0	0.18	4	0.74	19	0.31	8	--	--	311024	60946	--	--	465	211	100	27	16.2
2/0	0.19	5	0.78	20	0.34	9	312014	60977	312024	60984	--	--	545	247	100	33	15.4
3/0	0.21	5	1.01	26	0.36	9	--	--	313024	61011	--	--	635	288	100	37	11.9
4/0	0.23	6	1.03	26	0.38	10	314014	61035	314024	61042	--	--	700	318	100	47	11.7
5/0	0.25	6	1.07	27	0.44	11	315014	61073	315024	61080	--	--	925	420	100	52	11.2

### Twist Link Machine Chain



- Uses: General utility; farm and animal.
- Standard Material: Low carbon steel.
- Standard Finish: Bright (BRT) and Blu-Krome (B.K.).
- Proof tested. Do not use for overhead lifting.

#### Carton - Twist Link Machine Chain (Order Unit is "Feet")

Trade Size	Nominal Dimensions (in. and mm)						Bright		Blu-Krome		Galvanized		Working Load Limit		Length		
	Material		Inside Dimensions				Cat. No.	UPC No. 20418	Cat. No.	UPC No. 20418	Cat. No.	UPC No. 20418			ft./ Ctn.	Lb./ 100'	Links/ ft.
	Dia.		Length		Width												
	in.	mm	in.	mm	in.	mm	lb.	kg									
3	0.14	3	0.56	14	0.2	5	320314	61158	320324	61165	--	--	255	116	100	16	21.4
2	0.15	4	0.58	15	0.21	5	320214	61127	320224	61134	--	--	310	141	100	20	20.7
1/0	0.18	4	0.68	17	0.26	7	--	--	321024	61219	--	--	440	200	100	28	17.6
2/0	0.19	5	0.73	19	0.28	7	322014	61233	--	--	--	--	520	236	100	34	16.4
4/0	0.23	6	0.89	23	0.32	8	--	--	324024	61301	--	--	670	304	100	48	13.5
5/0	0.25	6	1	25	0.37	9	--	--	--	--	325034	61349	880	399	100	56	12

### Lock Link, Single Loop Chain



- Uses: Ideal for sprocket wheel, overhead door chains, general utility use.
- Standard Material: Low carbon steel, also available in stainless and brass.
- Standard Finish: Blu-Krome (B.K.) and Galvanized (GALV).
- Do not use for overhead lifting.

Trade Size	Nominal Dimensions (in. and mm)						Bright		Blu-Krome		Standard End Types		Working Load Limit		Length		
	Material		Inside Dimensions				Cat. No.	UPC No. 20418	Cat. No.	UPC No. 20418					ft./ Ctn.	Lb./ 100'	Links/ ft.
	Dia.		Length		Width												
	in.	mm	in.	mm	in.	mm	Wrapped	Shearded	lb.	kg							
2	0.09	2	1.08	27	--	--	740224	66238	740234	66252	--	x	155	70	100	9	11.1
1/0	0.12	3	1.29	33	--	--	741024	66290	741034	66320	x	--	265	120	100	16	9.3
2/0	0.14	3	1.48	38	--	--	742024	66375	742034	66399	x	--	340	154	100	23	8.1
3/0	0.15	4	1.63	41	--	--	743024	66412	--	--	x	--	405	184	100	26	7.4
4/0	0.16	4	1.8	46	--	--	744024	66481	744034	66511	x	--	485	220	100	29	6.7
5/0	0.18	4	2.15	55	--	--	745024	66566	745034	66597	x	--	580	263	100	34	5.6



## Chain Hoist

### HAND CHAIN HOIST MA SERIES

#### 1/2 to 30 Metric tonne capacity

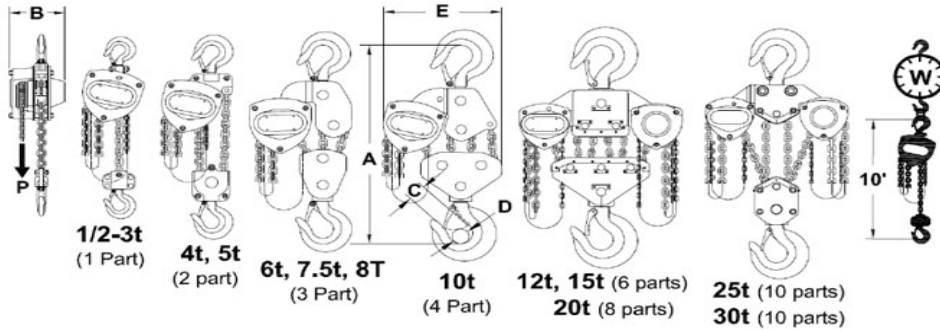
#### FEATURES

- Increased efficiency by additional pinion shaft bearing and close tolerances
- Hook blocks are bolted allowing complete hook inspection
- Lightweight and durable all steel construction with powder coated finish and plated frame components to resist corrosion
- Premium Grade 80 Zinc plated alloy load chain manufactured in Germany, Austria or Japan
- Hand chain opening is formed with a radius for smooth operation
- Sealed ball bearings on the chain wheel maximize efficiency and serviceability
- Self adjusting double pawl disc type mechanical load brake insures positive load control
- Double roller guide insures load chain tracking
- Optional Overload Protection is new design one directional clutch that will only slip in the lift direction
- Meets: ASME/ANSI B30.16, OSHA, NASA-STD-8719.9 and EU Directives: 98/37/EC
- ATEX rated II 3 GD c IIB 50° C X for limited use in Hazardous Environment

Standard lift is 10, 15 and 20 Ft. and standard hand chain drop is 2 Ft. less than lift. Custom lifts are available.

Order by descriptive model number, example: Model MA050-20-18V

Base Model	-Lift	-Drop	Option
MA050	-20	-18	V
V = Overload Protection			



#### MA SERIES SPECIFICATIONS and DIMENSIONS (inches and pounds unless noted)

Base Model	Working Load Limit (WLL)	Fall	Chain (mm)	A" Min.	B"	C"	D"	E"	P (lbs) Max.	W (lbs) /Ft. lift	W(1) (lbs) 10 Lift
MA005	1/2t (1100 lbs)	1	5 x 15	13.8	5.4	0.95	0.84	5.7	56	0.74	20
MA010	1t (2200 lbs)	1	6 x 18	15.1	6.1	1.13	1.04	6.3	64	0.92	26
MA015	1.5t (3300 lbs)	1	7.1 x 21	17.4	6.9	1.3	1.15	7.2	69	1.12	36
MA020	2t (4400 lbs)	1	8 x 24	19.1	7.0	1.46	1.35	8	77	1.30	44
MA030	3t (6600 lbs)	1	10 x 28	21.8	8.1	1.65	1.41	10	84	1.88	72
MA040	4t (8800 lbs)	2	9 x 27	27.1	7.4	1.81	1.74	9.8	67	2.88	93
MA050	5t (11000 lbs)	2	9 x 27	27.1	7.4	1.81	1.74	9.8	84	2.88	93
MA060	6t (13200 lbs)	3	9 x 27	27.2	7.4	1.81	1.74	16.9	66	4.13	136
MA075	7.5t (16500 lbs)	3	9 x 27	27.2	7.4	2.06	2.24	16.9	83	4.13	136
MA080	8t (16000 lbs)	3	9 x 27	27.2	7.4	2.06	2.24	16.9	80	4.13	136
MA100	10t (22000 lbs)	4	9 x 27	30.1	7.4	2.06	2.24	18.1	86	5.38	165
MA120	12t (26400 lbs)	6	9 x 27	35.4	7.9	3.21	2.66	28.3	2x68	8.26	332
MA150	15t (33000 lbs)	6	9 x 27	35.4	7.9	3.21	2.66	28.3	2x85	8.26	332
MA200	20t (44000 lbs)	8	9 x 27	37.4	7.9	3.21	2.66	33.5	2x86	10.76	422
MA250	25t (55000 lbs)	10	9 x 27	45.3	14.5	3.21	2.66	27.5	2x89	13.26	509
MA300	30t (66000 lbs)	10	10 x 28	45.3	15.3	3.21	2.66	29.5	2x87	15.76	546

(1) Shipping weight can be estimated by adding approx, 25% to "W" hanging weight



HARDWARE & SUPPLY CO. Inc. ....NJ (856) 662-6935 • PA (215) 925-8800  
 Supply Inc. of Virginia .....Metro (703) 569-6660 • VA (703) 455-6700  
 Form Rentals .....Clinton MD (301) 877-8640



## Chain Hoist

### LEVER CHAIN HOIST LA SERIES

#### FEATURES

- Dual rated with more choices of capacity
- Hook blocks are bolted allowing easy disassembly for complete hook inspection
- Lightweight and durable all steel construction with powder coated finish and plated external components to resist corrosion
- Premium Grade 80 Zinc plated alloy load chain manufactured in Germany, Austria or Japan
- Self adjusting double pawl disk type mechanical load brake insures control
- Horseshoe chain guard allows operation in any orientation
- Optional Overload Protection is new design one directional clutch that will only slip in the lift direction
- Meets: ASME/ANSI B30.16, OSHA, NASA-STD-8719.9 and EU Directives: 98/37/EC
- ATEX rated LEVER CHAIN HOIST II 3 GD c IIB 50° C X for limited use in Hazardous Environments

Standard lift is 5, 10, 15 and 20 Ft. Custom lifts are available.

Order by descriptive model number, example: Model LA030-20V

Model	-Lift	Option
LA030	-20	V

V = With Overload protection

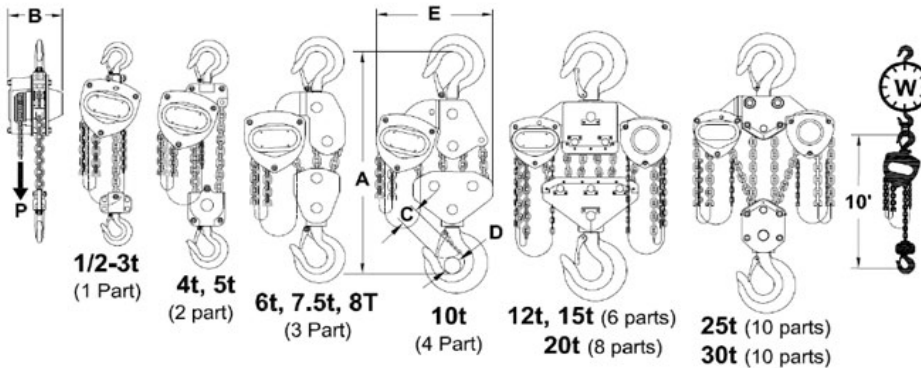
S = With Shipyard hooks includes top and bottom (1.5 & 3t only)

#### SHIPYARD HOOK OPTION



#### DUAL RATED

US Ton	Metric Tonne
3/4T	0.8t
1T	1.0t
1 3/4T	1.6t
2 1/4T	2.0t
2 3/4T	2.5t
3 1/2T	3.2t
7T	6.3t
10T	9.0t



#### LA SERIES SPECIFICATIONS and DIMENSIONS (inches and pounds, unless noted)

Base Model	(WLL) Working Load Limit			Load Kg	Chain	Parts	A" Min.	B"	C"	D"	E"	F"	G"	P (lbs)	W /Ft.Lift	W(1) (lbs) 5' Lift
	US Ton	Metric Tonne	* Min Lbs													
LA008	3/4+	0.8	44	20	C6X18Z	1	13.4	3.9	5.2	10.5	1.02	0.98	6.2	47	0.54	14.9
LA010	1+	1.0	44	20	C6X18Z	1	13.4	3.9	5.2	12.1	1.02	0.98	6.2	51	0.54	15.3
LA016	1 3/4	1.6	70	32	C7X21Z	1	15.7	4.4	5.7	14.0	1.14	1.18	7.2	66	0.74	24.1
LA020	2 1/4	2.0	88	40	C8X24Z	1	18.1	4.6	7.6	14.0	1.38	1.30	8.1	66	0.92	36.2
LA025	2 3/4	2.5	110	50	C9X27Z	1	19.1	4.6	7.6	14.0	1.38	1.30	8.1	74	1.25	37.9
LA032	3 1/2	3.2	141	64	C10X28Z	1	20.5	4.8	7.8	16.5	1.46	1.42	8.3	72	1.50	44.8
LA063	7	6.3	278	126	C10X28Z	2	25.2	4.8	9.1	16.5	1.69	1.69	8.3	74	3.00	66.3
LA090	10	9.0	396	180	C10X28Z	3	28.7	4.8	13.3	1.85	1.69	1.73	8.3	76	4.50	110.6

\*Minimum Load is the load required to activate the automatic load brake.

(1) Shipping weight can be estimated by adding approx, 15% to "W" hanging weight

## Chain Hoist

### HAND CHAIN HOIST CB SERIES

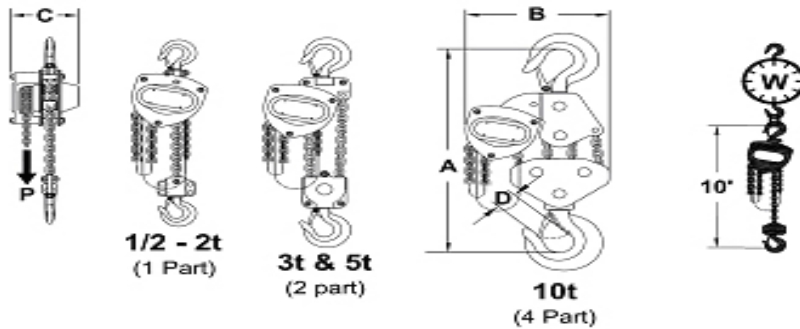
#### 1/2 to 10 Metric tonne capacity

#### FEATURES & BENEFITS

- Low Headroom, Light weight and durable formed steel enclosure protects from contamination and can be quickly disassembled for fast and easy maintenance. Powder coating and plated finishes, on exposed components, are used for resistance to corrosion allowing the hoist to stay in service longer.
- Hand chain opening is formed with radius allowing operation from side or even above permitting use for lifting or pulling.
- Internal parts are heat treated for strength and reliability with fully enclosed gearing to protect from contamination. All gears and shafts run on caged roller bearings including the lift wheel which is machined for smooth operation and long life.
- Wesson style mechanical load brake is self adjusting with double pawls, asbestos-free brake discs and is surrounded by an enclosure to limit contamination.
- Drop forged Alloy hooks are designed to stretch when overloaded before chain failure and are equipped with heavy duty cast steel safety latch attached by a bolt and lock nut. The top hook mounting articulates to aid in rigging and help insure straight line loading between hooks.
- Grade 80 Alloy load chain in black oil finish. Hand Chains are zinc plated.
- Each hoist is proof tested at 1.5 times the WLL and shipped with a certification of test matching the individualized serial number stamped in the nameplate. An operation and spare parts manual is also supplied in English, French and Spanish.
- Meets ASME B30.16 and NASA-STD-8719.9
- Available in lifts of 10, 20 and 30 feet and parts are stocked in USA. Unchained units and bulk chain are also available for customers to make their own custom lifts if assembled and tested per ASME B30,16 before being placed into service.



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#### SPECIFICATIONS and DIMENSIONS (inches and pounds unless noted)

Base Model	Working Load Limit (WLL)	Falls	Chain Part # & Size (mm)	A" Min.	B"	C"	D" w/ Latch	P (lbs) Max.	Load Chain Lb. /Ft.	Hand Chain Lb/ Ft.	W(1) (lbs) 10 Lift
CB005	1/2t (1100 lbs)	1	C6X18B	10.6	5.4	5.4	0.94	49	0.54	0.48	22
CB010	1t (2200 lbs)	1	C6X18B	12.5	6.4	5.8	0.94	72	0.54	0.48	26
CB015	1.5t (3300 lbs)	1	C8X24B	15.7	7.2	6.7	1.14	81	0.92	0.48	42
CB020	2t (4400 lbs)	1	C8X24B	16.3	7.6	6.7	1.14	82	0.92	0.48	44
CB030	3t (6600 lbs)	2	C8X24B	18.3	8.7	6.7	1.42	87	1.84	0.48	59
CB050	5t (11000 lbs)	2	C10X30B	24.3	11.3	7.5	1.81	98	2.96	0.48	101
CB100	10t (22000 lbs)	4	C10X30B	31.4	15.1	7.5	1.97	98	5.92	0.48	183

(1) Shipping weight can be estimated by adding approx, 15% to "W" hanging weight

Available unchained or with lifts of 10, 20 and 30 Ft. Hand chain drop is 2 Ft. less than lift.

Order by descriptive model number, example: Model CB050-20-18B

Base Model	-Lift	-Drop	Option
CB050	-20	-18	B
B = G80 Black Chain			

## Chain Hoist

### LEVER CHAIN HOIST LC SERIES

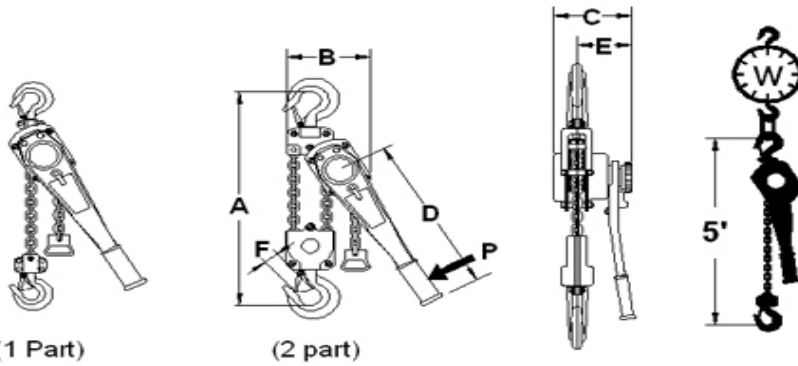
#### 3/4 to 6 Metric tonne capacity

##### FEATURES & BENEFITS

- Easy One Hand Operation and Set Up – When the selector is in neutral and no load is present then free chain mode is entered. The chain can be pulled through the hoist by a pull handle for easy set up and load attachment before engaging the selector for pulling. The pull handle also acts as a chain stop. Short ratchet strokes of a non slip rubber grip lever and 360 degree rotation requires minimal space for operation.
- The pull force to operate may be 20 to 30 % less than others.
- Operation in any orientation is assured by a fully enclosed horseshoe shape chain guard keeping the load chain in contact with the lift wheel.
- Light weight and durable formed steel enclosure protects from contamination and can be quickly disassembled for fast and easy maintenance. Powder coating and plated finishes on exposed components are used for resistance to corrosion.
- Internal parts are heat treated for strength and reliability with fully enclosed gearing to protect from contamination. All gears and shafts run on caged roller bearings including the lift wheel which is machined for smooth operation and long life.
- Automatic Wesson style mechanical load brake is self adjusting with double pawls, asbestos-free brake discs and is surrounded by enclosure to limit contamination. The brake will react to inertia of a descending load regardless of the operator setting. (For details see AMH Service Bulletin SB002)
- Drop forged Alloy hooks are designed to stretch when overloaded before chain failure and are equipped with heavy duty cast steel safety latch attached by a bolt and lock nut. The top hook mounting articulates to aid in rigging and help insure straight line loading between hooks.
- Grade 80 Alloy load chain in black oil finish.
- Each hoist is proof tested at 1.5 times the WLL and shipped with a certification of test matching the individualized serial number stamped in the nameplate. An operation and spare parts manual is also supplied in English, French and Spanish.
- Meets ASME B30.21 and NASA-STD-8719.9
- Available in lifts of 5, 10 and 20 feet and spare parts are stocked in USA. Unchained units and bulk chain are also available for customers to make their own custom lifts if assembled and tested per ASME B30.21 before being placed into service.



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##### SPECIFICATIONS (inches and pounds, unless noted)

Base Model	(WLL) Metric Tonne	Chain Part# & Size (mm)	Falls	A"	B"	C"	D"	E"	F" w/Latch	P (lbs)	W (lbs) /Ft.Lift	W(1) (lbs) 5' Lift
LC008	0.75t (1,650 lbs)	C6X18B	1	12.6	5.3	5.8	11.4	3.5	0.94	31	0.54	17
LC015	1.5t (3,300 Lbs)	C8X24B	1	15.0	6.4	6.9	16.5	4.0	1.14	54	0.92	26
LC030	3.0t (6,600 Lbs)	C10X30B	1	18.9	8.3	7.7	16.5	4.3	1.42	72	1.48	46
LC060	6.0t (13,200 lbs)	C10X30B	2	24.4	10.0	7.7	16.5	4.3	1.81	76	2.96	70

(1) Shipping weight can be estimated by adding approx, 15% to "W" hanging weight

Available unchained or in lifts of 5, 10 and 20 feet

Order by descriptive model number, example: Model LC030-10B

Model	-Lift	Option
LC030	-10	B
B = G80 Black Chain		



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## Chain Hoist

### MINI CHAIN HOIST

#### 1/4 & 1/2 Metric Ton Capacity

#### FEATURES

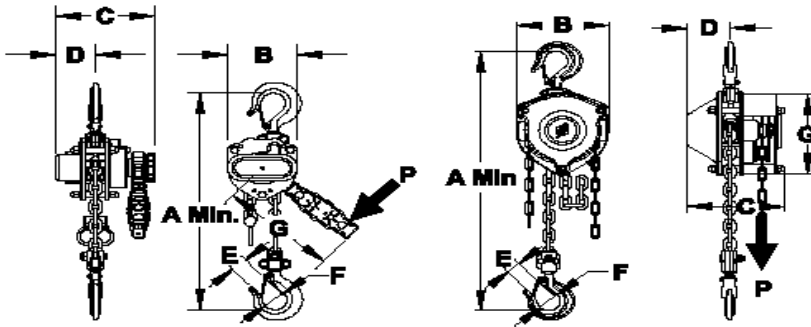
- Planetary gearing is used to minimize operator effort and to reduce stress on the brake components
- Small size allows operation and storage in tight places
- Lightweight and durable all steel construction with plated frame components and durable chrome exterior finish to resist corrosion
- Grade 80 Zinc plated alloy load chain is manufactured in Germany, Austria or Japan
- Sleeve bearings used to maximize serviceability and provide good efficiency
- Self adjusting pawl and disc type mechanical load brake insures positive load control
- Meets: ASME/ANSI B30, OSHA, NASA-STD-8719.9 and EU Directives: 98/37/EC
- ATEX rated MINI CHAIN HOIST II 3 GD c IIB 50° C X for limited use in Hazardous Environments

#### OPTIONS

Extended lifts



AMH



#### MM MINI MANUAL & ML MINI LEVER SERIES SPECIFICATION and DIMENSIONS (inches and pounds unless noted)

Model	Working Load Limit (WLL)		Falls	Chain (mm)	A" Min.	B"	C"	D"	E"	F"	G"	P (lbs) Max	Weight (lbs/Ft) Lift	Weight (lbs) 5 Ft Lift
	Maximum	* Min.												
MM003-08-06	1/4t (550 lbs)	0 lbs	1	4 x 12	9.1	3.9	4.3	1.9	0.6	1.0	4.3	26	0.44	7.7
ML003-05	1/4t (550 lbs)	33 lbs	1	4 x 12	8.5	3.0	4.6	1.6	0.6	1.0	6.2	28	0.25	4.4
ML005-05	1/2t (1100 lbs)	40 lbs	1	5 x 15	10.0	3.5	5.3	2.0	0.8	1.3	7.1	40	0.36	7.7

\* Lever Min. capacity is the load required to set the automatic safety brake. The brake will stop a load even if the operator leaves the unit in free chain mode and in neutral, in a similar way as a seat belt reacts.

Standard lift is 5 ft for Lever and 8 ft for Hand Chain models. All hoists are load tested at 125% Capacity.

How to specify Lever Model:

Example ML005-20 (1/2t Capacity, 20 Ft lift)

Model	-Lift
ML005	-20

How to specify Hand Chain Model:

Example MM003-20-18 (1/4t Capacity, 20 Ft lift and 18 Ft. hand chain drop)

Model	-Lift	-Drop
MM003	-20	-18

## Cable Pullers

### CABLE PULLERS

#### 1000 LBS - 3400 LBS Capacity

##### FEATURES

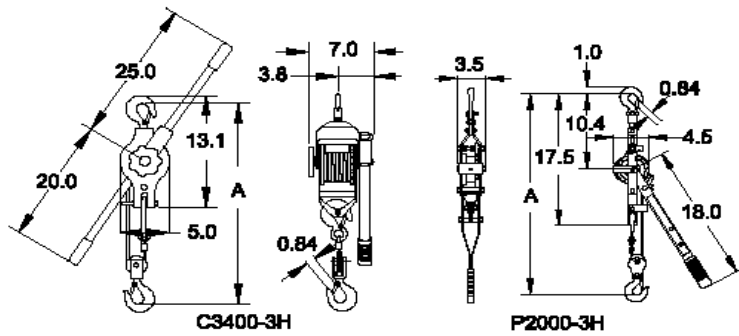
- 3 Hook design allows 1 or 2 part rigging for a choice of capacity and lift
- Galvanized aircraft quality wire rope, stainless springs and plated external parts for corrosion resistance
- C3400 has a lightweight aluminum frame. P2000 has a formed steel frame. Both have a one piece cast aluminum drum
- C3400 has an overload indicating reversible handle that changes position easily, so pull is always possible in the right direction against the load. The handle on the C3400 bends noticeably when overloaded
- Safety Latches on alloy steel load hooks
- "One notch at a time" ratchet and pawl lowering for precise load control
- Buttress tooth with solid steel drive and holding dog, not laminated plates
- Spring steel drum shield helps protect and spool cable evenly on drum
- Meets: ASME/ANSI B30.21, OSHA and NASA-STD-8719.9
- ATEX rated CABLE PULLERS II 3 GD c IIB 50° C X for limited use in Hazardous Environments

##### OPTIONS

Models with single line or double line only can be quoted.



AMH



#### SPECIFICATION AND DIMENSIONS (inches and pounds unless noted)

3 Hook Models	ASME B30.21 (4:1 Design Factor) Working Load Limit @ Falls & Lift	A Min. Between Hooks	Av. Pull @ Max. Load	Cable Size (in)	Hook Opening w/Latch	Lever Length	Weight
P2000-3H	WLL 1000 lbs @ 1 falls & 15 ft lift	21.0"	60 lbs	3/16"	0.84"	18"	10 lbs
	WLL 2000 lbs @ 2 falls & 7.5 ft lift	27.5"					
C3400-3H	WLL 1700 lbs @ 1 falls & 20 ft lift	17.0"	80 lbs	1/4"	0.84"	25"	16 lbs
	WLL 3400 lbs @ 2 falls & 10 ft lift	22.0"					

## Beam Trolley

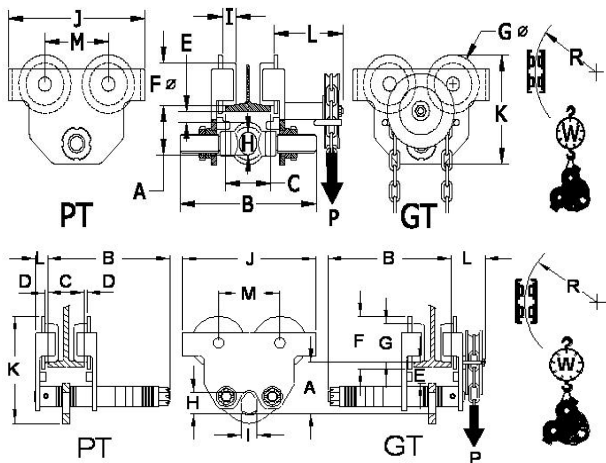
### PUSH AND GEARED TROLLEY

The easiest trolley installation ever

- 1/2 to 5t installation and adjustment by rotating the threaded hanger shaft.
- 10-30t installation is by turning nuts from one side for geared and both sides for push type.
- Machined cast iron wheels with universal tread design to fit flat or tapered beam flanges.
- Low headroom design with precision sealed "lubed for life" bearings assure smooth operation.
- Durable all steel construction with standard safety lugs
- Geared trolley hand chain drop is standard with 10 feet
- Meets: ASME/ANSI B30, OSHA, NASA-STD-8719.9, EU Directives: 98/37/EC
- ATEX rated PUSH AND GEARED TROLLEY II 3 GD c IIB 50° C X for limited use in Hazardous Environments

#### OPTIONS

- Extended hand chain drop (standard with 10 ft.)
- Wide Flange Kits for 1/2-5t with 12" Flange adjustment (may be ordered separately)



Standard hand chain drop is 10 ft.

How to specify Model:  
Example GT050-20 hand geared trolley  
(5t Capacity with 20 Ft hand chain drop)

Model	-Drop
GT050	-20



#### 1/2 - 5t PT & GT SERIES SPECIFICATIONS and DIMENSIONS (inches and pounds) 5:1 Design For Use with Manual or Powered Hoist

Model	(5:1) WLL	A"	B"	C"	D"	E"	F"	G"	H"	I"	J"	K"	L"	M"	P (lbs)	Min R"	W (lbs)
PT005	1/2t	3.3	11.5	2.52-8.66	0-0.12	1.5	2.3	3.4	1.2	0.9	8.9	6.8	----	4.0	----	36	18
PT010	1t	3.7	11.8														
GT010	4.5	18	35	3.46-8.66	0-0.12	1.7	2.4	3.7	1.4	0.9	9.9	7.4	----	4.8	----	40	24
PT020	2t	4.4	12.2														
GT020	4.5	34	52	4.02-8.66	0-0.12	1.6	3.2	4.6	1.9	1.0	11.8	8.9	----	5.5	----	48	40
PT030	3t	5.8	12.8														
GT030	5.3	27	83	4.49-8.66	0-0.12	2.5	3.9	5.5	2.3	1.3	14.2	11.4	----	6.3	----	52	69
PT050	5t	6.3	13.0														
GT050	5.4	36	108			2.2	4.3	5.9	2.8	1.5	15.4	12.3	----	6.7	----	56	94

#### 10 - 30t PT & GT SERIES SPECIFICATIONS and DIMENSIONS (inches and pounds)

4:1 Design For Use with Manual Hoist. For Powered hoist reduce WLL by 20%

Model	(4:1) WLL	A"	B"	C"	D"	E"	F"	G"	H"	I"	J"	K"	L"	M"	P (lbs)	Min R"	W (lbs)
PT100	10t	7.5	15.5	4.9-12.0	0.8-0.13	1.8	7.0	5.4	4.4	2.8	18.1	15.5	1.8	7.9	----	79	198
GT100	4.3	54	207														
PT160	16t	9.3	17.1	5.4-12.0	0.8-0.13	2.4	8.9	6.6	5.4	3.7	22.6	19.6	3.0	10.7	----	138	427
GT160	6.0	54	447														
GT200	20t	9.2	17.1	5.4-12.0	0.8-0.13	2.3	8.9	6.9	5.4	3.7	22.6	19.6	6.0	10.7	56	138	458
GT300	30t	11.2	17.8	6.9-12.0	0.8-0.13	2.7	11.2	9.1	6.1	4.1	28.7	24.4	6.2	13.5	56	236	733

## Beam Trolley

### ARMY STYLE LOW HEADROOM TROLLEY KITS

#### 1/2 to 10 Metric Ton Capacity

##### FEATURES

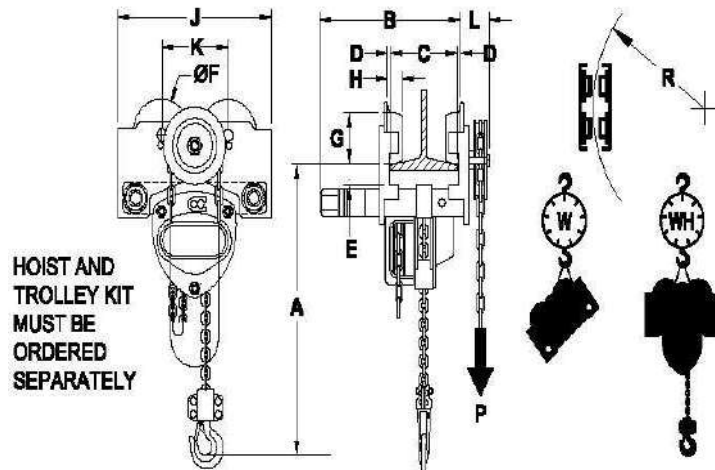
- Low headroom design increases lift height in low ceiling areas
- Direct mount to any standard AMH hoist by replacing the top hook assembly with the trolley assembly
- Durable all steel construction
- Machined cast iron wheels with precision sealed "lubed for life" bearings and universal tread design to fit flat or tapered beam flanges
- Hand chain drop is 10 feet
- Meets: ASME/ANSI B30.16, OSHA, NASA-STD-8719.9, EU Directives: 98/37/EC
- ATEX rated ARMY STYLE LOW HEADROOM TROLLEY II 3 GD c IIB 50° C X for limited use in Hazardous Environments

##### OPTIONS

- Extended hand chain drop



AMH



#### PTL & GTL SERIES SPECIFICATIONS and DIMENSIONS (inches and pounds)

Model	WLL	A"	B"	C"	D"	E"	F"	G"	H"	J"	K"	L"	P	R" Min.	W (lbs)	WH (lbs)
PTL005	1/2t	11.8	9.7	1.97- 7.99	0.06-0.12	1.2	3.1	2.2	0.75	10.2	3.9	3.0	---	33	12	37
GTL005-10														6	22	46
PTL010	1t	13.0	14.1	2.52-12.01	0.06-0.12	1.4	3.8	2.7	0.79	11.5	4.9	3.1	---	39	26	55
GTL010-10														11	35	64
PTL020	2t	16.2	14.4	3.46-12.01	0.06-0.12	1.5	4.3	3.2	0.94	14.1	5.3	3.2	---	43	59	104
GTL020-10														20	68	113
PTL030	3t	18.1	14.7	3.94-12.01	0.06-0.12	1.6	5.2	3.9	1.06	17.1	6.2	3.4	---	51	62	143
GTL030-10														21	71	152
PTL050	5t	25.1	15.1	4.49-12.01	0.06-0.12	1.7	5.7	4.3	1.42	17.6	6.7	3.6	---	55	103	199
GTL050-10														31	114	210
PTL075	7.5t	29.3	16.4	4.88-12.01	0.08-0.14	1.8	6.9	5.4	1.65	17.4	7.9	4.3	---	78	----	333
GTL075-10														41	----	344
PTL100	10t	29.3	16.4	4.88-12.01	0.08-0.14	1.8	6.9	5.4	1.65	17.4	7.9	4.3	---	78	----	363
GTL100-10														54	----	374



## Beam Clamps / Load Chain

### BEAM CLAMPS

#### 1 to 10 Metric Tonne

##### FEATURES

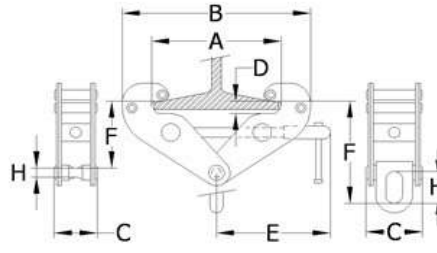
- The easy way to install a fixed hoist mount or rigging point
- Simple installation by hand, no tools required
- Compact and portable low headroom design
- Meets OSHA, ASME B30, NASA-STD-8719.9 and EU Directives: 98/37/EC



Type BC



Type BCD  
With shackle



BC-

BCD-

SPECIFICATION (Inches and Lbs.)		(WLL) Capacity from Vertical				A'' Adjustment	B'' Max	C''	D''	E''	F'' Max	H''	Weight Lbs.
		@ 0°	@ 15°	@ 30°	@ 45°								
1t	BC-01	2,200	0	0	0	3.1 - 9.4	14.6	3.7	0.75	7.8	5.7	0.8	7.7
	BCD-01	2,200	1,800	1,500	1,100		1,800	1,500	1,100	8.6	7.8	1.7	9.0
2t	BC-02	4,400	0	0	0	3.1 - 9.4	14.6	4.0	0.75	7.8	5.7	0.8	9.9
	BCD-02	4,400	3,700	2,900	2,200					8.7	7.8	1.7	11.0
3t	BC-03	6,600	0	0	0	3.5 - 12.2	19.7	5.2	1.12	10.4	8.2	0.9	20.9
	BCD-03	6,600	5,500	4,400	3,300					10.2	11.0	2.4	22.4
5t	BC-05	11,000	0	0	0	3.5 - 12.2	19.7	5.6	1.41	10.4	8.2	0.9	24.2
	BCD-05	11,000	9,100	7,300	5,500					10.2	11.0	2.4	26.4
10t	BC-10	22,000	0	0	0	3.5 - 2.6	20.5	7.1	1.50	11.2	8.7	1.5	35.2
	BCD-10	22,000	18,300	14,500	11,000					12.0	13.0	3.6	40.5

### ZINC PLATED GRADE 80 LOAD CHAIN



#### CHAIN SPECIFICATIONS and DIMENSIONS (Inches and Pounds unless noted)

(Inches) Dia x Pitch mm	Pitch in.	Working Load Limit 4:1 (WLL) lbs	Bulk Length	Weight Lbs/Ft	AMH PART NO	Models used on
(0.157") 4 x 12 mm	0.472	1100	328 FT	0.25	C4X12Z	L, M, ML & MM003
(0.197") 5 x 15 mm	0.591	1750	328 FT	0.36	C5X15Z	L, M, MA & M005
(0.236") 6 x 18 mm	0.709	2540	328 FT	0.54	C6X18Z	L, LA008-010, M & MA010
(0.276") 7.1 x 21 mm	0.827	3550	328 FT	0.74	C7X21Z	L, LA, M & MA015
(0.315") 8 x 24 mm	0.945	4500	328 FT	0.92	C8X24Z	L, LA, M & MA020
(0.354") 9 x 27 mm	1.063	5720	328 FT	1.25	C9X27Z	LA025, M & MA050-250
(0.394") 10 x 28 mm	1.102	7050	328 FT	1.5	C10X28Z	LA030-060-090, M & MA030 & 300
(0.394") 10 x 30 mm	1.181	7050	328 FT	1.48	C10X30Z	L030-060-090
(0.197") 5 x 23.7 mm	0.933	Zinc Plated Hand Chain		0.19	C5X24Z	MA, M & Trolley
(0.106") 2.7 x 14.5 mm	0.571	Zinc Plated Hand Chain		0.10	C3X15Z	MM003

We supply quality replacement chains in bulk for most brands of hoists.



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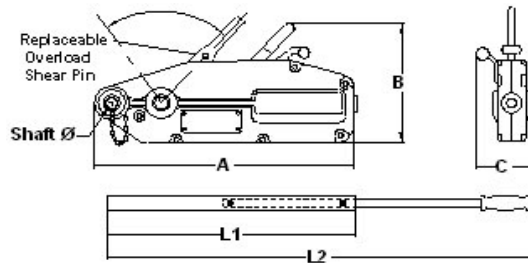
## Grip Hoist

### Walk-e-Dog

#### Long Pull Wire Rope Grip Hoist 2000, 4000 & 8000 Lb WLL

##### FEATURES

- Portable lightweight aluminum construction is durable and resist corrosion
- Any length of commercially available wire rope can be used for unlimited reach. (See SB022 for wire rope specification)
- Smooth operation with precise control
- Telescoping handle allows the operator to optimize pull and stroke
- Long service life and low maintenance requiring only periodic cleaning, lubrication and inspection
- Overload protection is provided by a shear pin that is easily replaced. 4 extra shear pins are supplied in the lever grip or carrying handle compartments
- Meets ASME/ANSI B30.21, OSHA and NASA-STD-8719.9 for manually lifting with a 4:1 SF
- 66 Ft. wire rope and rear hook assemblies may be ordered separately



Walk-e-Dog 2000, 4000 & 8000 Lb WLL  
(Inches and pounds)

Walk-e-Dog Model	Wire Rope Ø"	ANSI\ASME B30.21, OSHA & NASA Working Load Limit (WLL) @ 4:1 SF	Weight Lbs.	A"	B"	C"	Shaft Ø"	L1"	L2"	Advance /Stroke"	Hand Pull (lbs) @ WLL
WD05	5/16	1T (2000 lbs)	13.2	17.4	9.6	2.6	0.88	-----	32.7	2.1	88
WD07	7/16	2T (4000 lbs)	24.2	22.2	11.4	4.0	1.00	32.7	49.0	2.3	113
WD10	5/8	4T (8000 lbs)	48.4	26.9	13.3	4.7	1.20	32.7	49.0	1.1	113

#### 6X19S IWRC WIRE ROPE ASSEMBLY (Must be ordered separately)

Wire rope

Part#	Size	Weight	Length
WD05RA66	5/16"	15 Lbs	66 FT
WD07RA66	7/16"	28 Lbs	66 FT
WD10RA66	5/8"	41 Lbs	66 FT

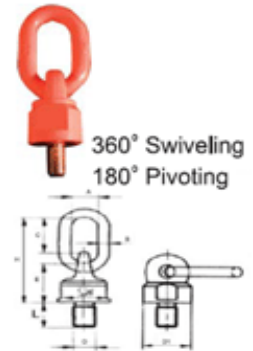


## Hoist Rings

### CARTEC HOIST RINGS AND WELD-ON RINGS

#### Swivel Eye Bolt With Ring, Grade 100 / Grade 80

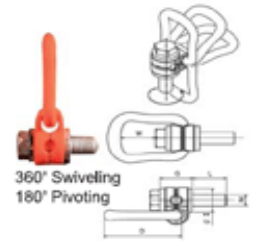
Part #	Rated Load (metric tons)	Metric Thread (DxL)	Dimensions (mm)							Weight (kg)
			A	B	C	E	H	SW	D1	
<b>Grade 100</b>										
C800X0141620	1.4	M16X20	30	13	46	50	105	30	38	0.53
C800X0252030	2.5	M20X30	34	16	57	50	105	30	38	1.05
C800X0402430	4	M24X30	40	19	70	50	105	30	38	1.63
C800X0673654	6.7	M36X54	40	20	65	50	105	30	38	2.23
<b>Grade 80</b>										
C8000031018	0.3	M10X18	30	13	46	50	105	30	38	0.48
C800005128	0.5	M12X18	30	13	46	50	105	30	38	0.50
C8000101620	1.12	M16X20	30	13	46	50	105	30	38	0.53
C8000202030	2	M20X30	34	16	57	61	131	40	50	1.05
C8000302430	3.15	M24X30	40	19	70	68	153	48	58	1.63
C8000503035	5.3	M30X35	40	20	65	80	165	65	75	2.23
C8000803654	8	M36X54	50	22	90	95	205	75	85	5.50
C8001004263	10	M42X63	50	22	90	95	205	75	85	10.00
C8001505678	15	M56X78	70	30	120	130	280	95	120	10.00



AMH

#### Swivel Eye Bolt With Bracket, Grade 100

Part #	Rated Load (metric tons)	Metric Thread (MxL)	Dimensions (mm)												Weight (kg)	
			A	B	C	D	E	F	G	H	I	W	J	K		CH
C806X08	0.3	M8X5	57	34	10	78	24	41	30	26.5	25	43	51	35	13	0.28
C806X10	0.63	M10X15	57	34	10	78	24	41	30	26.5	25	42	51	35	17	0.29
C806X12	1	M12X23	66	38	13.5	85	30	50	36	33	32	40	52	28	19	0.50
C806X16	1.5	M16X24	66	38	13.5	85	30	50	36	33	32	38	52	28	24	0.51
C806X20	2.5	M20X31	87	55	16	111	48	68	44	42.5	45	54	71	36	30	1.25
C806X24	4	M24X37	87	55	16	111	48	68	44	42.5	45	51	71	36	36	1.30
C806X30	5	M30X45	109	66	22.5	145	54	91	65	58.5	60	62	86	47	46	3.25
C806X36	8	M36X59	136	78	28	190	62	108	81	72.5	70	88	115	74	55	5.90
C806X42	15	M42X61	169	97	36	242	68	131	89	87.5	85	121	151	97	65	11.20
C806X48	20	M48X71	169	97	36	242	68	131	89	87.5	95	117	151	93	75	11.60



#### Swivel Eye Bolt With Key, Grade 100

Part #	Rated Load (metric tons)	Metric Thread (MxL)	Dimensions (mm)						Weight (kg)
			A	B	C	D	E	K	
C807XC10	0.4	M10X16	44.5	8	10	29	32	45	0.30
C807XC12	0.75	M12X18	53.5	11	11	34	44	56	0.46
C807XC16	1.5	M16X24	56.5	13	14.5	39	56	65	0.90
C807XC20	2.5	M20X30	67	14	17	42	58	70	1.15
C807XC24	3.2	M24X36	80	18	19	52	73	88	2.05
C807XC30	4.5	M30X43	101	22	27	62	80	106	4.00
C807XC36*	7	M36X54	125	37	38	80	95	154	6.70
C807XC42*	9	M42X64	148	40	41	90	105	170	9.50
C807XC48*	12	M48X72	165	45	47	95	120	185	13.40



\*M36-M42-M48 dimensions might vary

## Hoist Rings / Chain Fittings

### CARTEC HOIST RINGS AND WELD-ON RINGS

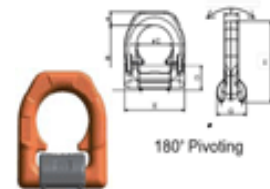
Lifting Ring Weld-On Type Double Base, Grade 100

Part #	Rated Load (metric tons)	Dimensions (mm)								Weight (kg)
		A	B	C	D	E	F	G	H	
C820X04	4	14	65	48	29	134	14	60	79	0.73
C820X067	6.7	20	83	60	39	169	16	88	103	1.80
C820X10	10	22	96	65	48	196	19.5	98	118	3.00
C820X16	16	31	126	90	55	264	29	127	155	5.75
C820X30	30	42	175	130	79	371	45	157	217	16.00



Lifting Ring Weld-On Type Single Base, Grade 100

Part #	Rated Load (metric tons)	Dimensions (mm)								Weight (kg)
		A	B	C	D	E	F	G	H	
C830X015M	1.5	14	65	38	25	66	16	31	79	0.39
C830X025M	2.5	16	75	45	27	77	18	34.5	91	0.59
C830X040M	4	18	84	51	32	87	20	40	102	0.87
C830X067M	6.7	24	117	67.3	44	115	26	58.5	141	2.23
C830X010M	10	31	126	67	55	129	28.5	70.5	157	3.33
C830X016M	16	45	174	100	69	180	42	87	219	9.28



### CARTEC ALLOY CHAIN FITTINGS, GRADE 80

Welded Master Link Grade 80

Part #	Trade Size	WLL 4:1 (lbs)	WLL 5:1 (lbs)	Weight (lbs)	Inside Dimensions (in)			Chain Size	
					i-length	i-width	dia	1 leg	2 leg
A13	1/2	5,000	4,000	0.75	4.33	2.36	0.51	9/32"+5/16"	7/32"
A16W	5/8	7,100	5,680	1.47	5.51	3.15	0.63	5/16"	9/32"
A18W	3/4 (11/16)	10,500	8,400	2.02	5.91	3.54	0.71	3/8"	5/16"
A22	7/8	15,900	12,720	3.30	6.30	3.54	0.87	1/2"	3/8"
A26	1	24,000	19,200	5.06	7.09	3.94	1.02	5/8"	1/2"
A32	1-1/4	36,000	28,800	8.58	7.87	4.33	1.26	3/4"	5/8"
A36	1-1/2	49,000	39,200	13.97	10.24	5.51	1.42	7/8"	3/4"
A40	1-5/8	59,200	47,360	19.80	11.81	6.30	1.57	1"	7/8"



Welded Master Link Assemblies Grade 80

Part #	Trade Size	WLL 4:1 (lbs)	WLL 5:1 (lbs)	Weight (lbs)	Inside Dim masters (in)			Inside Dim Subs (in)			For Chain
					i-length	i-width	dia	i-length	i-width	dia	
AK1813W	3/4(11/16)	9,100	7,280	2.90	5.91	3.54	0.71	2.13	0.98	0.51	9/32"
AK2216	7/8	13,800	11,040	4.88	6.30	3.54	0.87	2.76	1.34	0.63	9/32"+5/16"
AK2618	1	20,800	16,640	7.39	7.09	3.94	1.02	3.35	1.57	0.71	3/8"
AK3222	1-1/4	31,200	24,960	13.24	7.87	4.33	1.26	4.53	1.97	0.87	1/2"
AK3626	1-1/2	47,000	37,600	21.98	10.24	5.51	1.57	5.51	2.56	1.02	5/8"



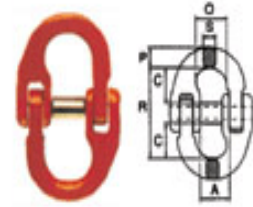


## Chain Fittings

### CARTEC ALLOY CHAIN FITTINGS, GRADE 80

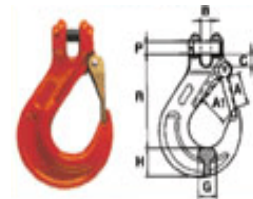
Connecting Link, Grade 80

For Chain Size	Code	WLL (Lbs.)	Dimensions (in)						Weight (lbs.)
			A	C	O	R	P	S	
7/32"	CL06	2,500	0.63	0.71	0.65	1.69	0.28	0.27	0.15
9/32"	CL07	3,500	0.70	0.79	0.79	1.99	0.40	0.30	0.22
5/16"	CL08	4,500	0.75	1.00	0.98	2.44	0.45	0.35	0.55
3/8"	CL10	7,100	0.94	1.18	1.06	2.83	0.50	0.43	0.77
1/2"	CL13	12,000	1.10	1.42	1.26	3.44	0.75	0.61	1.50
5/8"	CL16	18,100	1.35	1.59	1.54	4.06	0.81	0.83	2.42
3/4"	CL20	28,300	1.73	1.89	1.85	4.57	0.91	0.91	3.74
7/8"	CL22	34,200	1.93	2.00	2.17	5.24	1.04	1.04	4.84
1"	CL26	47,700	2.36	2.36	2.60	5.82	1.24	1.24	9.24
1-1/4"	CL32	72,300	2.64	2.72	3.39	7.48	1.46	1.26	15.85



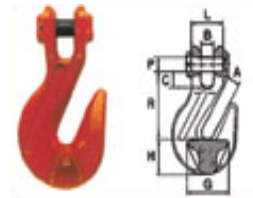
Clevis Sling Hook, Grade 80 with forged latch

For Chain Size	Code	WLL (lbs.)	Dimensions (in)								Weight (lbs.)
			A	A1	B	C	G	H	P	R	
7/32"	CB06SF	2,500	0.98	0.75	0.26	0.33	0.57	0.79	0.28	2.87	0.53
9/32+5/16"	CB08SF	4,500	1.16	0.96	0.34	0.39	0.75	1.06	0.35	3.40	1.17
3/8"	CB10SF	7,100	1.40	1.14	0.48	0.53	0.93	1.30	0.51	4.13	2.09
1/2"	CB13SF	12,000	1.71	1.38	0.60	0.67	1.12	1.57	0.63	5.06	3.68
5/8"	CB16SF	18,100	2.20	1.77	0.71	0.87	1.46	1.89	0.79	6.10	6.61
3/4"	CB20SF	28,300	2.40	2.09	0.91	1.02	2.01	2.05	0.94	7.20	12.57
7/8"	CB22SF	34,200	2.83	2.44	0.96	1.14	1.97	2.44	1.06	8.38	19.40
1"	CB26SF	47,700	3.03	2.87	1.18	1.34	2.36	2.95	1.18	9.06	29.76



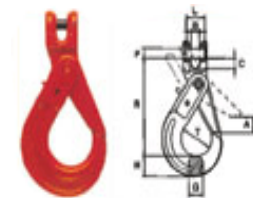
Clevis Grab Hook with saddle, Grade 80

For Chain Size	Code	WLL (lbs.)	Dimensions (in)							Weight (Lbs)
			A	B	C	G	H	R	PxL	
9/32+5/16"	CF08	4,500	0.39	0.35	0.39	1.18	0.94	1.97	0.35x0.89	0.60
3/8"	CF10	7,100	0.51	0.51	0.55	1.73	1.22	2.83	0.51x1.24	1.65
1/2"	CF13	12,000	0.67	0.67	0.67	2.09	1.50	3.46	0.63x1.65	2.97
5/8"	CF16	18,100	0.79	0.83	0.79	2.52	2.36	4.37	0.83x2.03	6.16
3/4"	CF20	28,300	0.94	0.94	0.94	3.35	2.56	5.12	0.94x2.42	10.58
7/8"	CF22	34,200	1.02	1.02	1.02	3.43	2.68	5.47	1.02x2.83	12.46
1"	CF26	47,700	1.20	1.18	1.38	3.94	3.54	7.5	1.18x3.15	29.76



Clevis Self Locking Hook, Grade 80

For Chain Size	Code	WLL (lbs.)	Dimensions (in)							Weight (lbs.)	
			A	B	C	G	H	R	T		PxL
7/32"	CRF06	2,500	1.10	0.28	0.31	0.63	0.83	3.70	1.38	0.30x0.69	1.09
9/32+5/16"	CRF08	4,500	1.34	0.35	0.39	0.79	1.02	4.84	1.69	0.35x0.89	2.05
3/8"	CRF10	7,100	1.77	0.47	0.55	0.98	1.18	5.63	2.20	0.54x1.24	3.48
1/2"	CRF13	12,000	2.01	0.59	0.67	1.38	1.57	7.08	2.72	0.63x1.65	7.04
5/8"	CRF16	18,100	2.36	0.75	0.75	1.42	1.97	8.46	3.15	0.83x2.03	13.09
3/4"	CRF20	28,300	2.76	0.91	1.02	2.36	2.64	9.96	3.54	0.94x2.87	21.61
7/8"	CRF22	34,200	3.15	1.02	1.26	2.44	2.76	11.3	3.94	1.02x2.83	31.75

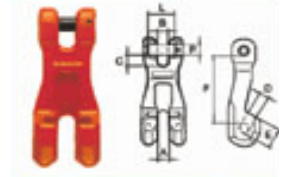


## Chain Fittings

### CARTEC ALLOY CHAIN FITTINGS, GRADE 80

#### Shortening Clutch, Grade 80

For Chain Size	Code	WLL (lbs)	Dimensions (in)							PxL	Weight (lbs)
			A	B	C	D	E	F			
7/32"	CX06	2,500	0.31	0.31	0.39	0.31	0.75	1.77	0.30x0.69	0.46	
9/32"	CX07	3,500	0.37	0.37	0.39	0.37	0.93	2.2	0.4x0.89	1.06	
5/16"	CX08	4,500	0.37	0.37	0.39	0.37	0.93	2.20	0.35x0.89	1.06	
3/8"	CX10	7,100	0.47	0.47	0.57	0.47	1.28	3.07	0.51x1.24	2.47	
1/2"	CX13	12,000	0.61	0.61	0.71	0.61	1.73	3.54	0.63x1.65	4.03	
5/8"	CX16	18,100	0.75	0.83	0.83	0.75	1.97	4.17	0.83x2.03	6.24	



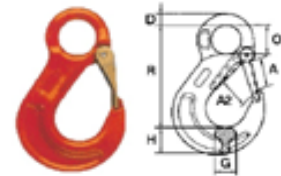
#### Eye Foundry Hook, Grade 80

For Chain Size	Code	WLL (lbs)	Dimensions (in)						Weight (lbs)
			A	D	G	H	O	R	
9/32+5/16"	CY08	4,500	2.52	0.53	0.98	1.14	0.71	4.92	2.03
3/8"	CY10	7,100	2.99	0.55	0.91	1.18	1.26	5.91	3.89
1/2"	CY13	12,000	3.50	0.75	1.50	1.57	1.06	6.81	6.22
5/8"	CY16	18,100	4.02	0.94	1.77	1.89	1.85	8.27	11.09
3/4"	CY20	28,300	4.49	1.1	2.13	2.36	2.2	10.24	16.76



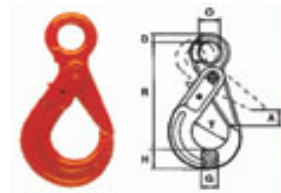
#### Eye Sling Hook with Forged Latch, Grade 80

For Chain Size	Code	WLL (lbs)	Dimensions (in)							Weight (lbs)
			A	A2	D	G	H	O	R	
7/32"	CA06SF	2,500	0.98	0.81	0.33	0.57	0.79	0.81	3.17	0.60
9/32+5/16"	CA08SF	4,500	1.16	0.96	0.43	0.75	1.06	0.98	3.76	1.10
3/8"	CA10SF	7,100	1.41	1.14	0.55	0.93	1.30	1.34	4.74	1.98
1/2"	CA13SF	12,000	1.71	1.39	0.69	1.14	1.57	1.67	5.90	3.31
5/8"	CA16SF	18,100	2.07	1.73	0.87	1.40	1.93	2.05	7.20	6.06
3/4"	CA20SF	28,300	2.36	2.05	1.06	1.89	2.09	2.17	7.99	9.92
7/8"	CA22SF	34,200	2.76	2.44	1.18	2.03	2.36	2.36	8.82	15.65
1"	CA26SF	47,700	3.03	2.87	1.38	2.36	2.95	2.76	9.33	26.46



#### Eye Self Locking Hook, Grade 80

For Chain Size	Code	WLL (lbs)	Dimensions (in)							Weight (lbs)
			A	D	G	H	O	R	T	
7/32"	CRO06	2,500	1.10	0.43	0.63	0.83	0.83	4.29	1.38	1.12
9/32+5/16"	CRO08	4,500	1.34	0.47	0.79	1.02	0.98	5.31	1.69	2.06
3/8"	CRO10	7,100	1.77	0.63	0.98	1.18	1.30	6.61	2.20	3.58
1/2"	CRO13	12,000	2.01	0.79	1.38	1.57	1.57	8.07	2.72	7.16
5/8"	CRO16	18,100	2.36	1.06	1.42	1.97	1.97	9.88	3.15	13.34
3/4"	CR020	28,300	2.76	1.18	2.36	2.64	2.36	11.42	3.54	21.61
7/8"	CR022	34,200	3.15	1.26	2.44	2.76	2.76	12.68	3.94	31.75



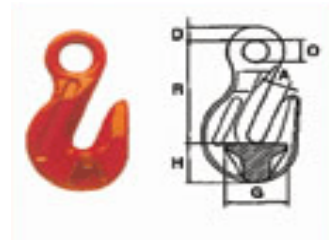
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## Chain Fittings

### CARTEC ALLOY CHAIN FITTINGS, GRADE 80

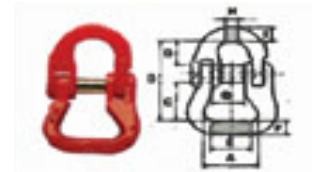
#### Eye Grab Hook with Saddle, Grade 80

For Chain Size	Code	WLL (lbs)	Dimensions (in)						Weight (lbs)
			A	D	G	H	O	R	
9/32"+5/16"	CD08	4,500	1.10	0.39	1.18	0.94	0.63	2.36	0.51
3/8"	CD10	7,100	0.51	0.43	1.73	1.22	0.83	3.15	1.30
1/2"	CD13	12,000	0.67	0.63	2.09	1.50	1.02	4.09	2.73
5/8"	CD16	18,100	0.79	0.75	2.52	2.36	1.18	5.08	5.73
3/4"	CD20	28,300	0.91	0.87	3.35	2.56	1.42	6.02	9.26
7/8"	CD22	34,200	1.06	0.98	3.43	2.68	1.50	7.09	11.79
1"	CD26	47,700	30.5	36	100	90	55	213	13



#### Webbing Coupling Link, Grade 80

For Chain Size	Code	WLL (lbs)	Dimensions (in)									Weight (lbs)
			A	B	C	D	E	F	G	H	I	
9/32"+5/16"	CLS08	4,500	1.57	2.28	0.94	0.79	0.94	0.55	0.67	0.35	0.39	0.62
3/8"	CLS10	7,100	1.57	3.19	1.38	1.18	1.18	0.55	0.91	0.43	0.51	1.03
1/2"	CLS13	12,000	2.17	4.09	1.89	1.42	1.42	0.71	1.10	0.63	0.63	2.18



### CARTEC ALLOY CHAIN FITTINGS, GRADE 100

#### Welded Master Link Grade 100

Part #	Trade Size	WLL 4:1 (lbs)	WLL 5:1 (lbs)	Weight (lbs)	Inside Dimensions (in)			Chain Size	
					i-length	i-width	dia	1 leg	2 leg
AX13	1/2	6,000	4,800	0.75	4.33	2.36	0.51	9/32"+5/16"	7/32"
AX16W	5/8	8,600	6,880	1.47	5.51	3.15	0.63	5/16"	9/32"
AX18W	3/4(11/16)	12,900	10,320	2.02	5.91	3.54	0.71	3/8"	5/16"
AX22	7/8	17,600	14,080	3.30	6.30	3.54	0.87	1/2"	3/8"
AX26	1	30,000	24,000	5.06	7.09	3.94	1.02	5/8"	1/2"
AX32	1-1/4	39,100	31,280	8.58	7.87	4.33	1.26	3/4"	5/8"
AX36	1-1/2	61,100	48,880	13.97	10.24	5.51	1.42	7/8"	3/4"
AX45	1-3/4	74,000	59,200	28.16	13.39	7.09	1.77	1"	7/8"
AX51	2	103,400	82,720	37.84	13.78	7.48	2.01	1 1/4"	1"
AX57	2-1/4	178,900	143,120	53.24	15.75	7.87	2.24	---	1 1/4"



#### Welded Master Link Assemblies Grade 100

Part #	Trade Size	WLL 4:1 (lbs)	WLL 5:1 (lbs)	Weight (lbs)	Inside Dim. Masters (in)			Inside Dim. Subs (in)			For Chain
					i-length	i-width	dia	i-length	i-width	dia	
AKX1813W	3/4(11/16)	11,200	8,960	2.90	5.91	3.54	0.71	2.13	0.98	0.51	9/32"
AKX2216	7/8	15,200	12,160	4.88	6.30	3.54	0.87	2.76	1.34	0.63	9/32"+5/16"
AKX2618	1	26,000	20,800	7.39	7.09	3.94	1.02	3.35	1.57	0.71	3/8"
AKX3222	1-1/4	39,000	31,200	13.24	7.87	4.33	1.26	4.53	1.97	0.87	1/2"
AKX3626	1-1/2	58,700	46,960	21.98	10.24	5.51	1.42	5.51	2.56	1.02	5/8"
AKX5132	2	91,700	73,360	51.26	13.78	7.48	2.01	5.91	2.76	1.26	3/4"
AKX5136	2	110,900	88,720	56.76	13.78	7.48	2.01	6.69	2.95	1.42	7/8"
AKX5740	2-1/4	155,100	124,080	77.44	15.75	7.87	2.24	6.69	3.15	1.57	1"

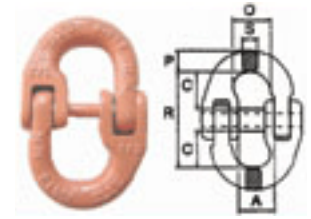


## Chain Fittings

### CARTEC ALLOY CHAIN FITTINGS, GRADE100

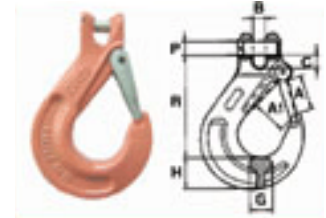
Connecting Link, Grade 100

For Chain	Part #	Dimensions (in)						Weight/ea (lbs)	Work Load Limit (lbs)
		A	C	O	R	P	S		
7/32	CLX06	0.55	0.71	0.71	1.77	0.31	0.30	0.15	3,000
9/32	CLX07	0.70	0.79	0.81	1.99	0.40	0.35	0.31	4,300
5/16	CLX08	0.75	1.00	0.93	2.44	0.45	0.39	0.44	5,700
3/8	CLX10	0.94	1.18	1.08	2.83	0.50	0.50	0.77	8,800
1/2	CLX13	1.10	1.42	1.31	3.44	0.75	0.66	1.63	15,000
5/8	CLX16	1.35	1.59	1.56	4.06	0.81	0.81	2.56	22,600
3/4	CLX20	1.65	1.81	1.81	4.45	1.14	0.98	4.52	35,300
7/8	CLX22	1.93	2.17	2.28	5.24	1.18	1.10	6.83	42,700
1	CLX26	2.24	3.35	3.25	7.56	1.57	1.18	14.99	59,700



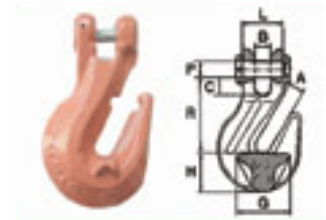
Clevis Sling Hook, Grade 100 with forged latch

For Chain	Part #	Dimensions (in)								Weight/ea (lbs)	Work Load Limit (lbs)
		A	A1	B	C	G	H	R	PxL		
7/32	CBX06SF	1.02	0.75	0.28	0.31	0.59	0.79	2.72	0.30x0.69	0.55	3,000
9/32	CBX07SF	1.34	1.02	0.37	0.39	0.75	1.10	3.74	0.35x0.89	1.21	4,300
5/16	CBX08SF	1.34	1.02	0.37	0.39	0.75	1.10	3.74	0.39x0.89	1.10	5,700
3/8	CBX10SF	1.57	1.22	0.47	0.53	0.98	1.30	4.33	0.51x1.16	2.20	8,800
1/2	CBX13SF	2.01	1.57	0.59	0.67	1.18	1.57	5.35	0.63x1.46	3.75	15,000
5/8	CBX16SF	2.20	1.77	0.71	0.87	1.46	1.89	6.10	0.79x2.05	7.05	22,600
3/4	CBX20SF	2.36	2.09	0.91	1.02	2.01	2.05	7.28	0.94x2.87	11.02	35,300
7/8	CBX22SF	2.76	2.44	0.98	1.14	1.97	2.48	8.27	1.02x2.83	27.12	42,700



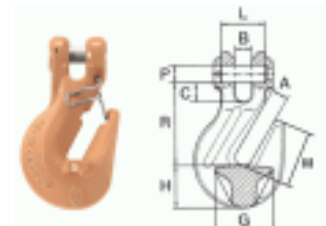
Clevis Grab Hook with Saddle, and Space for Latch, Grade 100

For Chain	Part #	Dimension (in)								Weight/ea (lbs)	Work Load Limit (lbs)
		A	B	C	G	H	R	M	PxL		
7/32	CFX06	0.31	0.31	0.35	0.87	0.87	1.99	1.40	0.30x0.69	0.44	3000
9/32	CFX07	0.39	0.39	0.45	1.18	1.10	2.58	1.85	0.35x0.89	0.97	4,300
5/16	CFX08	0.39	0.39	0.43	1.18	1.10	2.56	1.85	0.39x0.89	0.97	5,700
3/8	CFX10	0.51	0.51	0.59	1.73	1.34	3.15	2.17	0.51x1.24	2.12	8,800
1/2	CFX13	0.67	0.67	0.69	2.09	1.85	4.15	3.19	0.63x1.65	4.63	15,000
5/8	CFX16	0.75	0.75	0.72	2.52	2.36	4.40	3.62	0.83x2.03	7.50	22,600
3/4	CFX20	0.93	0.91	0.87	3.35	2.56	4.65	3.94	0.94x2.42	11.46	35,300
7/8	CFX22	1.02	1.02	0.98	3.62	2.68	6.06	4.72	1.02x2.83	17.20	42,700



Clevis Grab Hook with Saddle, and Latch, Grade 100

For Chain	Part #	Dimensions (in)								Weight/ea (lbs)	Work Load Limit (lbs)
		A	B	C	G	H	R	M	PxL		
9/32	CFX07S	0.39	0.39	0.45	1.18	1.10	2.58	1.85	0.35x0.89	0.97	4,300
5/16	CFX08S	0.39	0.39	0.43	1.18	1.10	2.56	1.85	0.39x0.89	0.97	5,700
3/8	CFX10S	0.51	0.51	0.59	1.73	1.34	3.15	2.17	0.51x1.24	2.12	8,800
1/2	CFX13S	0.67	0.67	0.69	2.09	1.85	4.15	3.19	0.63x1.65	4.63	15,000
5/8	CFX16S	0.75	0.75	0.72	2.52	2.36	4.40	3.62	0.83x2.03	7.50	22,600



## Chain Fittings

### CARTEC ALLOY CHAIN FITTINGS, GRADE100

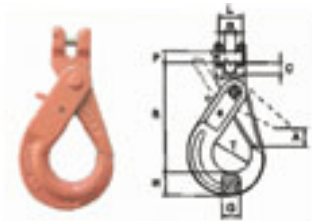
#### Clevis Foundry Hook, Grade 100

For Chain	Part #	Dimensions (in)							PxL	Weight/ea (lbs)	Work Load Limit (lbs)
		A	B	C	G	H	R				
7/32	CYFX06	2.11	0.33	0.26	0.87	1.02	3.58	0.30x0.69	1.54	3,000	
9/32	CYFX07	2.52	0.39	0.45	1.02	1.22	4.74	0.35x0.89	2.43	4,300	
5/16	CYFX08	2.52	0.39	0.45	1.02	1.22	4.74	0.39x0.89	2.43	5,700	
3/8	CYFX10	2.99	0.51	0.59	1.18	1.34	5.16	0.51x1.25	3.75	8,800	
1/2	CYFX13	3.50	0.67	0.69	1.57	1.75	5.83	0.63x1.65	7.94	15,000	
5/8	CYFX16	3.98	0.75	0.85	1.77	1.99	7.81	0.83x2.03	12.35	22,600	



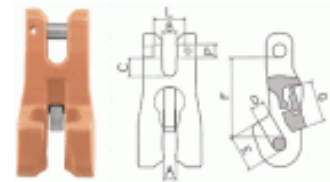
#### Clevis Self Locking Hook, Grade 100

For Chain	Part #	Dimensions (in)								Weight/ea (lbs)	Work Load Limit (lbs)
		A	B	C	G	H	R	T	PxL		
7/32	CRFX06	1.10	0.28	0.31	0.63	0.83	3.70	1.38	0.30x0.69	1.10	3,000
9/32	CRFX07	1.34	0.35	0.39	0.79	1.02	4.84	1.69	0.35x0.89	2.09	4,300
5/16	CRFX08	1.34	0.35	0.39	0.79	1.02	4.84	1.69	0.39x0.89	2.09	5,700
3/8	CRFX10	1.77	0.47	0.55	0.98	1.18	5.63	2.20	0.51x1.24	3.53	8,800
1/2	CRFX13	2.01	0.59	0.67	1.38	1.57	7.09	2.72	0.63x1.65	7.05	15,000
5/8	CRFX16	2.36	0.75	0.75	1.42	1.97	8.46	3.15	0.82x2.03	13.23	22,600
3/4	CRFX20	2.76	0.91	1.02	2.36	2.64	9.96	3.54	0.94x2.87	21.61	35,300
7/8	CRFX22	3.23	1.02	1.26	2.44	2.76	11.30	3.94	1.02x2.83	31.75	42,700



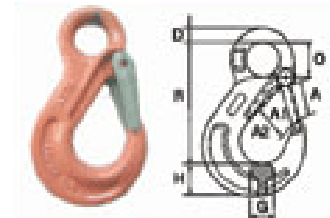
#### Shortening Clutch, Grade 100

For Chain	Part #	Dimensions (in)								Weight/ea (lbs)	Work Load Limit (lbs)
		A	B	C	D	E	F	G	PxL		
7/32	CXX06	0.31	0.31	0.39	0.31	0.75	1.77	0.91	0.30x0.69	0.46	3,000
9/32	CXX07	0.37	0.37	0.39	0.37	0.93	2.20	1.14	0.35x0.89	1.06	4,300
5/16	CXX08	0.37	0.37	0.39	0.37	0.93	2.20	1.14	0.39x0.89	1.06	5,700
3/8	CXX10	0.47	0.47	0.57	0.47	1.28	3.07	1.42	0.51x1.24	2.47	8,800
1/2	CXX13	0.61	0.61	0.71	0.61	1.73	3.54	1.38	0.63x1.65	4.03	15,000
5/8	CXX16	0.75	0.83	0.83	0.75	1.97	4.17	1.50	0.83x2.03	6.24	22,600



#### Eye Sling Hook with Forged Latch, Grade 100

For Chain	Part #	Dimensions (in)							Weight/ea (lbs)	Work Load Limit (lbs)
		A	A1	D	G	H	O	R		
7/32	CAX06SF	1.02	0.75	0.39	0.63	0.79	0.81	3.19	0.55	3,000
9/32+5/16	CAX08SF	1.30	1.02	0.43	0.75	1.14	0.98	3.98	1.10	5,700
3/8	CAX10SF	1.57	1.22	0.63	1.02	1.30	1.34	5.16	2.14	8,800
1/2	CAX13SF	2.01	1.57	0.75	1.30	1.65	1.69	6.26	4.19	15,000
5/8	CAX16SF	2.20	1.77	0.96	1.57	1.97	1.97	7.20	7.28	22,600
3/4	CAX20SF	2.36	2.05	1.06	1.89	2.09	2.17	7.99	9.92	35,300
7/8	CAX22SF	2.76	2.44	1.14	1.97	2.36	2.36	8.82	15.65	42,700
1	CAX26SF	3.03	2.87	1.38	2.36	2.95	2.76	10.12	26.46	59,700



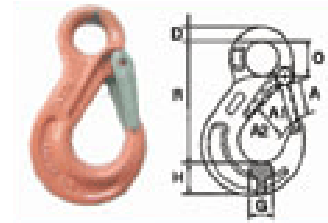


## Chain Fittings

### CARTEC ALLOY CHAIN FITTINGS, GRADE100

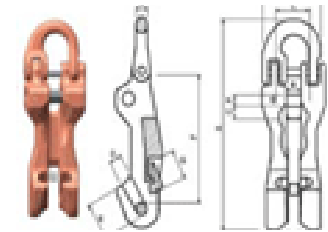
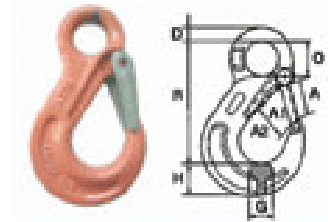
#### Eye Grab Hook with Saddle, Grade 100

For Chain	Part #	Dimensions (in)							Weight/ea (lbs)	Work Load Limit (lbs)
		A	D	G	H	O	R	M		
7/32	CDX06	0.31	0.33	0.87	0.87	0.47	2.03	1.4	0.40	3,000
9/32 + 5/16	CDX08	0.39	0.43	1.18	1.10	0.67	2.72	1.85	0.88	5,700
3/8	CDX10	0.51	0.59	1.73	1.34	0.87	3.41	2.17	1.94	8,800
1/2	CDX13	0.67	0.71	2.09	1.85	1.02	4.35	3.19	4.30	15,000
5/8	CDX16	0.75	0.83	2.52	2.36	1.26	5.08	3.62	7.05	22,600
3/4	CDX20	0.93	0.91	3.35	2.52	1.50	6.02	3.94	10.80	35,300
7/8	CDX22	1.02	1.02	3.62	2.56	1.61	7.09	4.76	16.53	42,700
1	CDX26	1.20	1.42	3.94	3.54	2.17	8.39	5.00	28.66	59,700



#### Swivel Self Locking Hook, Grade 100

For Chain	Part #	Dimensions (in)							Weight/ea (lbs)	Work Load Limit (lbs)
		A	B	O	D	G	H	R		
7/32	CRGX06	1.10	0.91	1.42	0.51	0.63	0.83	6.22	1.32	3,000
9/32 + 5/16	CRGX08	1.34	1.06	1.42	0.51	0.79	1.02	7.17	2.43	5,700
3/8	CRGX10	1.77	1.38	1.65	0.63	0.98	1.18	8.54	4.41	8,800
1/2	CRGX13	2.13	1.69	1.97	0.83	1.38	1.57	10.67	8.82	15,000
5/8	CRGX16	2.44	2.28	2.44	0.94	1.50	1.97	12.60	14.99	22,600



#### Clevis Shortening Clutch, Grade 100

For Chain	Part #	Dimensions (in)											Weight/ea (lbs)	WLL (lbs)
		A	B	C	D	E	F	G	H	I	M	PxL		
9/32	CXXL07S	0.37	0.37	0.39	0.37	0.93	2.2	1.14	6.22	0.33	1.75	0.35x1.34	1.81	4,300
5/16	CXXL08S	0.37	0.37	0.39	0.37	0.93	2.2	1.14	6.46	0.39	1.97	0.39x1.34	1.87	5,700
3/8	CXXL10S	0.47	0.47	0.57	0.47	1.28	3.07	1.42	7.60	0.49	2.38	0.51x1.54	3.55	8,800
1/2	CXXL13S	0.61	0.61	0.71	0.61	1.73	3.54	1.38	9.82	0.63	2.99	0.63x2.09	7.21	15,000
5/8	CXXL16S	0.75	0.83	0.83	0.75	1.97	4.17	1.50	11.93	0.79	3.82	0.83x2.76	12.68	22,600

#### ALLOY CHAIN FITTINGS, GRADE 100, Spare Kit for Self Locking Hook G80 or G100

For Hook	Part#
7/32	CKSL06
9/32	CKSL08
3/8	CKSL10
1/2	CKSL13
5/8	CKSL16
3/4	CKSL20
7/8	CKSL22



#### ALLOY CHAIN FITTINGS, GRADE 100, Spare Latch Kit, Forged

For Sling Hook	G80 Code	G100 Code
7/32	CKS06	CKSX06
9/32+5/16	CKS08	CKSX08
3/8	CKS10	CKSX10
1/2	CKS13	CKSX13
5/8	CKS16	CKSX16
3/4	CKS20	CKSX20
7/8	CKS22	CKSX22
1	CKS26	CKSX26



## Master Links

### MASTER LINK AND SUB ASSEMBLIES

#### Welded Master Link Grade 100

Part #	Trade Size	WLL 4:1 (lbs)	WLL 5:1 (lbs)	Weight (lbs)	Inside Dimensions (in)			Chain Size	
					i-length	i-width	dia	1 leg	2 leg
AX13	1/2	6,000	4,800	0.75	4.33	2.36	0.51	9/32"+5/16"	7/32"
AX16W	5/8	8,600	6,880	1.47	5.51	3.15	0.63	5/16"	9/32"
AX18W	3/4(11/16)	12,900	10,320	2.02	5.91	3.54	0.71	3/8"	5/16"
AX22	7/8	17,600	14,080	3.30	6.30	3.54	0.87	1/2"	3/8"
AX26	1	30,000	24,000	5.06	7.09	3.94	1.02	5/8"	1/2"
AX32	1-1/4	39,100	31,280	8.58	7.87	4.33	1.26	3/4"	5/8"
AX36	1-1/2	61,100	48,880	13.97	10.24	5.51	1.42	7/8"	3/4"
AX45	1-3/4	74,000	59,200	28.16	13.39	7.09	1.77	1"	7/8"
AX51	2	103,400	82,720	37.84	13.78	7.48	2.01	1 1/4"	1"
AX57	2-1/4	178,900	143,120	53.24	15.75	7.87	2.24	---	1 1/4"



AMH

#### Welded Master Link Assemblies Grade 100

Part #	Trade Size	WLL 4:1 (lbs)	WLL 5:1 (lbs)	Weight (lbs)	Inside Dim Masters (in)			Inside Dim Subs (in)			For Chain
					i-length	i-width	dia	i-length	i-width	dia	
AKX1813W	3/4(11/16)	11,200	8,960	2.90	5.91	3.54	0.71	2.13	0.98	0.51	9/32"
AKX2216	7/8	15,200	12,160	4.88	6.30	3.54	0.87	2.76	1.34	0.63	9/32"+5/16"
AKX2618	1	26,000	20,800	7.39	7.09	3.94	1.02	3.35	1.57	0.71	3/8"
AKX3222	1-1/4	39,000	31,200	13.24	7.87	4.33	1.26	4.53	1.97	0.87	1/2"
AKX3626	1-1/2	58,700	46,960	21.98	10.24	5.51	1.42	5.51	2.56	1.02	5/8"
AKX5132	2	91,700	73,360	51.26	13.78	7.48	2.01	5.91	2.76	1.26	3/4"
AKX5136	2	110,900	88,720	56.76	13.78	7.48	2.01	6.69	2.95	1.42	7/8"
AKX5740	2-1/4	155,100	124,080	77.44	15.75	7.87	2.24	6.69	3.15	1.57	1"



#### Welded Master Link Assemblies For Large Crane Hooks With Large Sub Links Grade 100

Part #	For Chain Size	WLL (lbs), 4:1 SF			Weight (lbs)	Inside Dim Masters (in)			Inside Dim Subs (in)		
		1 Leg 90	2 Leg 60	3+4 Leg 60		i-length	i-width	dia	i-length	i-width	dia
AWXO3016	9/32-5/16	5,700	9,900	14,800	14.37	13.40	7.10	1.18	4.33	2.36	0.63
AWXO3018	3/8	8,800	15,200	22,900	15.55	13.40	7.10	1.18	5.31	2.95	0.71
AWXO4022	1/2	15,000	26,000	39,000	28.60	13.40	7.10	1.57	6.30	3.54	0.87
AWXO4026	5/8	22,600	39,100	58,700	32.10	13.40	7.10	1.57	7.09	3.94	1.02



#### Welded Master Link Assemblies With Extra Large Sub Links Grade 100

Part #	Trade Size	WLL 4:1 (lbs)	WLL 5:1 (lbs)	Weight (lbs)	Inside Dim Masters (in)			Inside Dim Subs (in)			For Chain
					i-length	i-width	dia	i-length	i-width	dia	
AWX1813	3/4(11/16)	11,200	8,960	3.52	5.91	3.54	0.71	4.33	2.36	0.51	9/32"
AWX2216	7/8	15,200	12,160	5.63	6.30	3.54	0.87	4.33	2.36	0.63	9/32"+5/16"
AWX2618	1	26,000	20,800	8.58	7.09	3.94	1.02	5.31	2.95	0.71	3/8"
AWX3222	1-1/4	39,000	31,200	15.18	7.87	4.33	1.26	6.30	3.55	0.87	1/2"
AWX3626	1-1/2	58,000	46,960	24.09	10.24	5.51	1.42	7.09	3.94	1.02	5/8"



## Master Links / Chain Fittings

### MASTER LINK AND SUB ASSEMBLIES

#### Welded Master Link Grade 80

Part #	Trade Size	WLL 4:1 (lbs)	WLL 5:1 (lbs)	Weight (lbs)	Inside Dimensions (in)			Chain Size	
					i-length	i-width	dia	1 Leg	2 Leg
A13	1/2	5,000	4,000	0.75	4.33	2.36	0.51	9/32"+5/16"	7/32"
A16W	5/8	7,100	5,680	1.47	5.51	3.15	0.63	5/16"	9/32"
A18W	3/4(11/16)	10,500	8,400	2.02	5.91	3.54	0.71	3/8"	5/16"
A22	7/8	15,900	12,720	3.30	6.30	3.54	0.87	1/2"	3/8"
A26	1	24,000	19,200	5.06	7.09	3.94	1.02	5/8"	1/2"
A32	1-1/4	36,000	28,800	8.58	7.87	4.33	1.26	3/4"	5/8"
A36	1-1/2	49,000	39,200	13.97	10.24	5.51	1.42	7/8"	3/4"
A40	1-5/8	59,200	47,360	19.80	11.81	6.30	1.57	1"	7/8"



#### Welded Master Link Assemblies Grade 80

Part #	Trade Size	WLL 4:1 (lbs)	WLL 5:1 (lbs)	Weight (lbs)	Inside Dim Masters (in)			Inside Dim Subs (in)			For Chain
					i-length	i-width	dia	i-length	i-width	dia	
AK1813W	3/4(11/16)	9,100	7,280	2.90	5.91	3.54	0.71	2.13	0.98	0.51	9/32"
AK2216	7/8	13,800	11,040	4.88	6.30	3.54	0.87	2.76	1.34	0.63	9/32"+5/16"
AK2618	1	20,800	16,640	7.39	7.09	3.94	1.02	3.35	1.57	0.71	3/8"
AK3222	1-1/4	31,200	24,960	13.24	7.87	4.33	1.26	4.53	1.97	0.87	1/2"
AK3626	1-1/2	47,000	37,600	21.98	10.24	5.51	1.57	5.51	2.56	1.02	5/8"



### YELLOW CLASSIC CHAIN FITTINGS

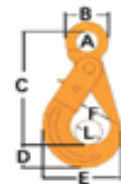
#### Connecting Link, Grade 80

Part #	Trade Size	WLL (lbs)	Weight (lbs)	Dimensions (in)					Box Qty.
				A	B	C	D	E	
CLM08	9/32 - 5/16	4,500	0.40	0.39	2.24	2.01	0.98	0.79	125
CLM10	3/8	7,100	0.73	0.51	2.68	2.40	1.18	0.98	60
CLM13	1/2	12,000	1.43	0.67	3.23	2.99	1.42	1.18	30
CLM16	5/8	18,100	2.71	0.87	4.09	3.74	1.81	1.42	20
CLM20	3/4	28,300	4.85	1.02	4.92	4.29	2.17	1.73	10



#### Eye Self-Locking Hooks, Grade 80

Part #	Trade Size	WLL (lbs)	Weight (lbs)	Dimensions (in)						Box Qty.	
				A	B	C	D	E	F		L
ESLH08	9/32 - 5/16	4,500	1.85	0.94	1.81	5.24	0.98	3.39	1.73	1.30	25
ESLH10	3/8	7,100	3.48	1.26	2.48	6.57	1.38	4.37	2.20	1.77	12
ESLH13	1/2	12,000	6.88	1.54	3.15	8.19	1.57	5.35	2.76	2.13	6
ESLH16	5/8	18,100	12.96	1.93	3.86	10.00	2.05	6.81	3.27	2.60	4
ESLH20	3/4	28,300	18.74	2.32	4.53	10.83	2.48	7.76	3.94	3.46	3

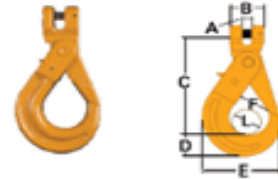


## Chain Fittings

### MASTER LINK AND SUB ASSEMBLIES

#### Clevis Self-Locking Hook, Grade 80

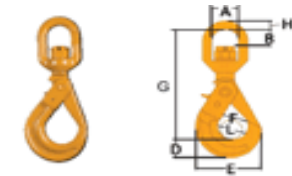
Part #	Trade Size	WLL (lbs)	Weight (lbs)	Dimensions (in)							Box Qty.
				A	B	C	D	E	F	L	
CSLH08	9/32-5/16	4,500	2.01	0.39	1.46	4.69	0.98	3.39	1.73	1.30	25
CSLH10	3/8	7,100	3.70	0.51	1.81	5.91	1.38	4.37	2.20	1.77	12
CSLH13	1/2	12,000	7.34	0.59	2.20	7.24	1.57	5.35	2.76	2.13	6
CSLH16	5/8	18,100	13.23	0.71	2.83	8.46	2.05	6.81	3.27	2.60	4
CSLH20	3/4	28,300	18.96	0.98	3.19	9.25	2.48	7.76	3.94	3.46	3



#### Swivel Self-Locking Hook with Bronze Bushings, Grade 80

Disclaimer: This hook rotates for positioning only and is not intended to swivel under load

Part #	Trade Size	WLL (lbs)	Weight (lbs)	Dimensions (lbs)								Box Qty.
				A	B	D	E	F	G	H	L	
SSLH08	9/32-5/16	4,500	2.65	1.42	1.22	0.98	3.39	1.73	6.07	0.51	1.30	15
SSLH10	3/8	7,100	4.96	1.65	1.93	1.38	4.37	2.20	7.08	0.63	1.77	8
SSLH13	1/2	12,000	9.11	2.09	2.36	1.57	5.35	2.76	9.06	0.79	2.13	6
SSLH16	5/8	18,100	16.87	2.36	2.36	2.05	6.81	3.27	10.82	0.91	2.60	3
SSLH20	3/4	28,300	26.24	2.95	2.87	2.48	7.76	3.94	12.09	1.06	3.46	2



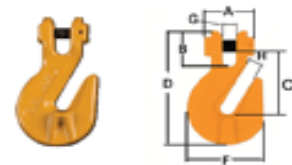
#### Clevis Sling Hook with Latch, Grade 80

Part #	Trade Size	WLL (lbs)	Weight (lbs)	Dimensions (lbs)				Box Qty.
				A	B	C	R	
CSH08L	9/32 - 5/16	4,500	1.34	5.31	3.35	1.46	0.98	30
CSH10L	3/8	7,100	2.25	6.38	4.06	1.89	1.14	20
CSH13L	1/2	12,000	3.92	7.68	4.96	2.24	1.46	10
CSH16L	5/8	18,100	9.74	10.08	6.81	2.56	2.17	5
CSH20L	3/4	28,300	17.97	12.64	8.70	3.39	2.64	3



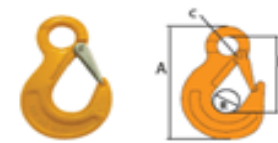
#### Clevis Grab Hook, Grade 80

Part #	Trade Size	WLL (lbs)	Weight (lbs)	Dimensions (lbs)							Box Qty
				A	B	C	D	F	G	H	
CGH08	9/32 - 5/16	4,500	0.86	1.54	1.06	2.01	3.70	2.17	0.35	0.35	50
CGH10	3/8	7,100	1.98	1.81	1.42	2.76	5.04	2.83	0.47	0.47	25
CGH13	1/2	12,000	3.75	2.24	1.73	3.39	6.10	3.62	0.43	0.59	12
CGH16	5/8	18,100	5.64	2.60	2.20	3.94	7.13	4.21	0.67	0.83	9
CGH20	3/4	28,300	9.26	2.99	2.72	4.80	8.46	4.84	0.91	0.98	4



#### Eye Sling Hook with Latch, Grade 80

Part #	Trade Size	WLL (lbs)	Weight (lbs)	Dimensions (in)				Box Qty
				A	B	C	R	
ESH08L	9/32 - 5/16	4,500	1.32	5.43	3.70	0.94	0.98	30
ESH10L	3/8	7,100	2.38	6.77	4.96	1.26	1.14	20
ESH13L	1/2	12,000	4.06	8.50	5.98	1.57	1.46	10
ESH16L	5/8	18,100	9.17	10.83	7.99	1.97	2.17	5
ESH20L	3/4	28,300	17.64	13.07	9.49	2.44	2.64	3

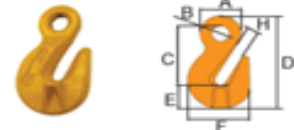


## Chain Fittings

### MASTER LINK AND SUB ASSEMBLIES

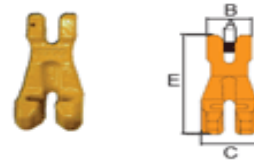
#### Eye Grab Hook, Grade 80

Part #	Trade Size	WLL (lbs)	Weight (lbs)	Dimensions (in)							Box Qty
				A	B	C	D	E	F	H	
EGH08	9/32 - 5/16	4,500	0.68	1.42	0.59	2.28	3.70	1.02	2.17	0.39	60
EGH10	3/8	7,100	1.63	1.77	0.75	2.99	4.92	1.42	2.83	0.47	30
EGH13	1/2	12,000	3.04	2.36	0.94	4.02	6.34	1.65	3.58	0.59	12



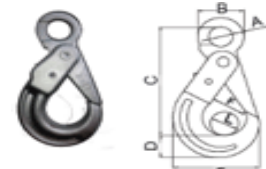
#### Clevis Shortening Clutch, Grade 80

Part #	Trade Size	WLL (lbs)	Weight (lbs)	Dimensions (in)				Box Qty
				A	B	C	E	
CSC08	9/32 - 5/16	4,500	0.90	0.35	1.42	1.81	3.94	50
CSC10	3/8	7,100	2.14	0.55	1.85	2.17	5.39	20
CSC13	1/2	12,000	4.19	0.63	2.28	2.91	6.97	14
CSC16	5/8	18,100	7.45	0.83	2.76	3.31	8.50	4



#### Alloy Eye Hooks with Latch, Grade 100 Dacromet

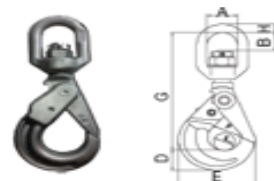
Part #	Trade Size	WLL (lbs)	Weight (lbs)	Dimensions (lbs)							Box Qty
				A	B	C	D	E	F	L	
10ESLH08	9/32 - 5/16	5,700	1.89	0.94	1.81	5.24	0.98	3.39	1.73	1.30	25
10ESLH10	3/8	8,800	3.57	1.26	2.48	6.57	1.38	4.37	2.20	1.77	12
10ESLH13	1/2	15,000	6.90	1.54	3.15	8.19	1.57	5.35	2.76	2.13	6
10ESLH16	5/8	22,600	13.65	1.93	3.86	10.00	2.05	6.81	3.27	2.60	4



#### Swivel Self-Locking Hook with Bronze Bushing, Grade 100 Dacromet

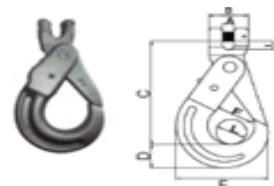
Disclaimer: This hook rotates for positioning only and is not intended to swivel under load

Part #	Trade Size	WLL (lbs)	Weight (lbs)	Dimensions (in)								Box Qty
				A	B	D	E	F	G	H	L	
10SSLH08	9/32 - 5/16	5,700	2.85	1.42	1.22	0.98	3.39	1.73	5.56	0.51	1.30	15
10SSLH10	3/8	8,800	5.00	1.65	1.93	1.38	4.37	2.20	6.65	0.63	1.77	8
10SSLH13	1/2	15,000	9.41	2.09	2.36	1.57	5.35	2.76	8.39	0.79	2.13	6
10SSLH16	5/8	22,600	17.63	2.36	2.36	2.05	6.81	3.27	9.32	0.91	2.60	3



#### Clevis Self-Locking Hook, Grade 100 Dacromet

Part #	Trade Size	WLL (lbs)	Weight (lbs)	Dimensions (in)								Box Qty
				A	B	C	D	E	F	I	L	
10CSLH08	9/32 - 5/16	5,700	2.03	0.39	1.46	4.69	0.98	3.39	1.73	0.35	1.30	25
10CSLH10	3/8	8,800	3.80	0.51	1.81	5.91	1.38	4.37	2.20	0.47	1.77	12
10CSLH13	1/2	15,000	7.48	0.59	2.20	7.24	1.57	5.35	2.76	0.55	2.13	6
10CSLH16	5/8	22,600	13.93	0.71	2.83	8.46	2.05	6.81	3.27	0.71	2.60	4



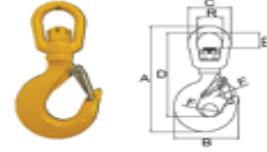


## Chain Fittings / Parts

### MASTER LINK AND SUB ASSEMBLIES

#### Alloy Swivel Hooks with Latch

Part #	WLL (lbs)	Weight (lbs)	Dimensions (in)							Box Qty
			A	B	C	D	E	F	R	
ASH0100	1t	0.99	5.81	2.86	2.02	4.57	0.85	0.63	1.24	40
ASH0150	1 1/2t	1.48	6.81	3.06	2.52	5.43	1.26	0.79	1.46	30
ASH0200	2t	2.95	8.58	3.84	3.27	6.81	1.69	0.91	1.97	12
ASH0300	3t	3.66	8.84	4.23	3.27	7.01	1.50	0.98	1.97	10
ASH0500	5t	6.74	10.98	5.20	4.21	8.74	2.05	1.34	2.71	6



### MASTER LINK AND SUB ASSEMBLIES PARTS

#### Grade 80 Trigger Kits for Self Locking Hooks

Part#	Trade size
STK7/8	9/32 - 5/16
STK10	3/8
STK13	1/2
STK16	5/8
STK20	3/4



#### Grade 80 Latch Kits for Sling Hooks

Part#	Trade size
SLK7/8	9/32 - 5/16
SLK10	3/8
SLK13	1/2
SLK16	5/8
SLK20	3/4



#### Latch Kits for Alloy Swivel Hooks

Part #	Trade Size
ALK010	1t
ALK015	1 1/2t
ALK020	2t
ALK030	3t
ALK050	5t



#### Grade 80 Coupling Pin & Collar

Part #	Trade Size
SCP7/8	9/32 - 5/16
SCP10	3/8
SCP13	1/2
SCP16	5/8
SCP20	3/4



#### G100 DACROMET® Trigger Kits

Part #	Trade Size
10STK7/8	9/32 - 5/16
10STK10	3/8
10STK13	1/2
10STK16	5/8



#### Load Pin Kits



Please specify hook model and size when ordering Load Pin Kits

## Web Slings

### WEB SLINGS: EYE & EYE AND ENDLESS SLINGS

#### FEATURES

- Heavy Duty Polyester Web Slings available in 1 or 2 ply
- Lengths are measured from bearing point to bearing point
- Eyes are reinforced with Polyester wear pads
- Work load limits are rated at 5:1 design factor

#### Eye and Eye Slings, 1-Ply Heavy Duty (Class 7)

Part #	Sling Width (in)	Eye Length (in)	Work Load Limit (lbs)			Base Length (ft)	Weight (lbs)	Add Weight / (ft)
			vertical	choker	basket			
EE 1901	1	10	1,600	1,280	3,200	3	0.40	0.06
EE 1902	2	12	3,200	2,500	6,400	3	0.80	0.12
EE 1903	3	12	4,800	3,840	9,600	3	1.40	0.18
EE 1904	4	12	6,400	5,000	12,800	3	1.90	0.24

Note: 1" and 2" slings have flat eyes. 3" and 4" slings have tapered eyes (folded in half)



#### Eye and Eye Slings, 2-Ply Heavy Duty (Class 7)

Part #	Sling Width (in)	Eye Length (in)	Work Load Limit (lbs)			Base length (ft)	Weight (lbs)	Add Weight / (ft)
			vertical	choker	basket			
EE 2901	1	10	3,200	2,500	6,400	3	0.50	0.13
EE 2902	2	12	6,400	5,000	12,800	3	0.90	0.25
EE 2903	3	12	8,800	7,040	17,600	3	1.70	0.38
EE 2904	4	12	12,000	9,600	24,000	3	2.30	0.50

Note: 1" and 2" slings have flat eyes. 3" and 4" slings have tapered eyes (folded in half)



#### Endless Web Sling, 1 Ply Heavy Duty (Class 7)

Part #	Sling Length (in)	Work load Limit (lbs)			Base Length (ft)	Weight (lbs)	Add Weight / (ft)
		vertical	choker	basket			
EN 1901	1	3,200	2,560	6,400	3	0.40	0.12
EN 1902	2	6,400	5,000	12,800	3	0.80	0.24
EN 1903	3	9,400	7,520	18,800	3	1.30	0.36
EN 1904	4	12,400	9,920	24,800	3	1.70	0.48

#### Endless Web Sling, 2 Ply Heavy Duty

Part #	Sling Width (in)	Work Load Limit (lbs)			Base Length (ft)	Weight (lbs)	Add Weight / (ft)
		vertical	choker	basket			
EN 2901	1	6,400	5,000	12,800	3	0.80	0.25
EN 2902	2	12,400	9,920	24,800	3	1.60	0.50
EN 2903	3	17,600	14,080	35,200	3	2.60	0.76
EN 2904	4	22,000	17,600	44,000	3	3.40	1.00

#### High Density Felt Wear Pads. 5/16" thick.

Part No.	Sleeve Width (in)	Sleeve Length (in)	For Round Slings:	For Web Slings:
WP4X12	4	12	DR1, DR2, DR3	EE & EN 1" & 2"
WP6X12	6	12	DR4, DR5, DR6, DR7	EE & EN 3" & 4"



## Ratchet Straps

### LASHING STRAPS - TIE DOWNS

FEATURES

- 2 Part Heavy Duty Wide Handle 2" Ratchet Style Webbing assemblies.
- For load securing.
- Meet D.O.T. regulations.



Part No.	Work Load	Strength	Style	Width	Length/Ft	Unit Weight
TD 0227	3300 lbs	10.000 lbs	Flat Hook	2"	27	6 lbs
TD 0230	3300 lbs	10.000 lbs	Flat Hook	2"	30	6.05 lbs

FEATURES

- 4" Winch Strap Assembly.
- For Load Securing.
- Meet D.O.T. and California Highway Patrol regulations.



Part No.	Work Load	Strength	Style	Width	Length/Ft	Unit Weight
WS 0427	5000 lbs	15.000 lbs	Flat Hook	4"	27	4,3 lbs
WS 0430	5000 lbs	15.000 lbs	Flat Hook	4"	30	4,6 lbs

## Standard Series Cable Hoist

Lincoln Hoist has been designing and manufacturing portable ratchet lever hoists in the USA for over 60 years. Our hoists are made with unmatched quality and durability. With a variety of models and features to choose from, we make the right tool for the job.

**Standard Hoist Features:**

- Made in the USA.
- Models from 1000 to 6000 lb capacity.
- Load tested to 125% of rated capacity.
- Handle bends to alert operator of overload.
- Interlocking pawl mechanism - no brakes to slip.
- Quick release allows cable to be pulled out freely when rigging.
- Maintenance free bearings are lubed for life.
- Reversible handle allows pulling in optimum position.
- Open frame construction for easy inspection and cleaning.
- Four hook styles designed to meet application requirements and work practice standards.
- USA made 360° swivel hooks are drop forged, heat treated steel.
- Hydraulically crimped copper sleeve for uniform hold.
- All cable stores on drum.



Lincoln Hoist

### Standard Model

Model #	Cable Dia.	Handle Length (inches)	----Single Line----				----Double Line----				Hoist Weight lbs.
			Capacity		Lift Dist. (ft)	Hook to Hook Min. (in)	Capacity		Lift Dist. Feet	Hook to Hook Min. (in)	
			Lbs.	Tons			Lbs.	Tons			
LH 1000-15	3/16	17-1/2	1000	1/2	15	18	--	--	--	--	7
LH 1500-25	5/32	15	750	3/8	25	20	1500	3/4	12-1/2	23	8-1/2
LH 2250-15	3/16	17-1/2	1125	9/16	15	20	2250	1-1/8	7-1/2	23	8-3/4
LH 2250-20	3/16	17-1/2	1125	9/16	20	20	2250	1-1/8	10	23	9-1/4
LH 2250-38	3/16	22	1125	9/16	38	22	2250	1-1/8	19	29	13-3/4
LH 3000-10	7/32	20	1500	3/4	10	20	3000	1-1/2	5	23	9
LH 3000-30	7/32	25	1500	3/4	30	22	3000	1-1/2	15	29	13-3/4
LH 4000-20	1/4	30	2000	1	20	22	4000	2	10	29	15-1/2
LH 6000-15	5/16	36/55	3000	1-1/2	15	26-1/2	6000	3	7-1/2	34	34

### Rapid Lowering Model

Model #	Cable Dia.	Handle Length (inches)	----Single Line----				----Double Line----				Hoist Weight lbs.
			Capacity		Lift Dist. (ft)	Hook to Hook Min. (in)	Capacity		Lift Dist. Feet	Hook to Hook Min. (in)	
			Lbs.	Tons			Lbs.	Tons			
LH 115R	3/16	17-1/2	1000	1/2	15	18	--	--	--	--	7
LH 125R	5/32	15	750	3/8	25	20	1500	3/4	12-1/2	23	8-1/2
LH 215R	3/16	17-1/2	1125	9/16	15	20	2250	1-1/8	7-1/2	23	8-3/4
LH 238R	3/16	22	1125	9/16	38	22	2250	1-1/8	19	29	13-3/4
LH 310R	7/32	20	1500	3/4	10	20	3000	1-1/2	5	23	9
LH 330R	7/32	25	1500	3/4	30	22	3000	1-1/2	15	29	13-3/4
LH 420R	1/4	30	2000	1	20	22	4000	2	10	29	15-1/2

**Lincoln Hoist**

## Pallet Trucks

### JET® W Series

#### FEATURES & BENEFITS

- **6000** pound capacity
- 200° turning radius
- Articulating 7" poly-over-aluminum steer wheels
- One-piece cast pump features high quality seals, hardened and chrome plated ram and piston, top-of-stroke and over-load safety bypass valves.
- Pump also features smooth, special lowering valve for controlled descent.
- Single point valve replacement for quick and easy rebuild.
- Rounded fork tips with nylon guide rollers for trouble-free pallet entry and exit.
- Solid steel push rods never need adjustment.
- Wheel bearings are double sealed and lifetime lubricated.

JET Mechanical



Model PT-2748W

MODEL #	Width (truck)	Width (fork)	Length (fork)	Length (truck)	Height (raised)	Height (down)	Ship Weight	Carton Pack
PT-2048W	20 1/2"	6 1/4"	48	64 1/2"	7 3/4"	2 7/8"	187	1
PT-2748W	27"	6 1/4"	48	64 1/2"	7 3/4"	2 7/8"	200	1





## SMH Series Hand Chain Hoist

### JET SMH Series Hand Chain Hoists

JET® SMH Series hand chain hoists were designed with reliability and durability to perform in light-duty industrial applications. Easily maintained and serviced, the JET SMH is available in capacities from ½ ton to 10 ton and standard lifts of 10, 15, 20, and 30 feet (custom lifts available). The JET SMH is the ideal contractor grade hoist.

**JET Mechanical**

### Dimensions

STOCK NUMBER	MODEL #	CAPACITY (LBS.)	STANDARD LIFT (FT.)	HEAD-ROOM (IN.)	NUMBER OF FALLS	LOAD CHAIN (DIA./MM)	REQ. HAND CHAIN (FT.) TO LIFT LOAD 1'	POUNDS PULL TO LIFT CAPACITY	SHIP WEIGHT EACH (LBS.)	CARTON PACK
<b>1/2 TON</b>										
101700	SMH-1/2T-10	1100	10	13	1	5	32	49	20	1
101701	SMH-1/2T-15	1100	15	13	1	5	32	49	25	1
101702	SMH-1/2T-20	1100	20	13	1	5	32	49	29	1
101703	SMH-1/2T-30	1100	30	13	1	5	32	49	40	1
<b>1 TON</b>										
101704	SMH-1T-10	2200	10	15	1	6.3	37	80	27	1
101705	SMH-1T-15	2200	15	15	1	6.3	37	80	33	1
101706	SMH-1T-20	2200	20	15	1	6.3	37	80	38	1
101707	SMH-1T-30	2200	30	15	1	6.3	37	80	51	1
<b>1 1/2 TON</b>										
101708	SMH-1-1/2T-10	3520	10	17-1/2	1	7	58	82	41	1
101709	SMH-1-1/2T-15	3520	15	17-1/2	1	7	58	82	49	1
101710	SMH-1-1/2T-20	3520	20	17-1/2	1	7	58	82	56	1
101711	SMH-1-1/2T-30	3520	30	17-1/2	1	7	58	82	69	1
<b>2 TON</b>										
101712	SMH-2T-10	4400	10	18-1/2	1	8	70	91	46	1
101713	SMH-2T-15	4400	15	18-1/2	1	8	70	91	53	1
101714	SMH-2T-20	4400	20	18-1/2	1	8	70	91	60	1
101715	SMH-2T-30	4400	30	18-1/2	1	8	70	91	75	1
<b>3 TON</b>										
101716	SMH-3T-10	6820	10	23-1/2	2	7	116	86	60	1
101717	SMH-3T-15	6820	15	23-1/2	2	7	116	86	71	1
101718	SMH-3T-20	6820	20	23-1/2	2	7	116	86	80	1
101719	SMH-3T-30	6820	30	23-1/2	2	7	116	86	102	1
<b>5 TON</b>										
101720	SMH-5T-10	11000	10	28	2	9	172	97	91	1
101721	SMH-5T-15	11000	15	28	2	9	172	97	106	1
101722	SMH-5T-20	11000	20	28	2	9	172	97	122	1
101723	SMH-5T-30	11000	30	28	2	9	172	97	153	1
<b>10 TON</b>										
101724	SMH-10T-10	22000	10	35	4	9	344	104	177	1
101725	SMH-10T-15	22000	15	35	4	9	344	104	205	1
101726	SMH-10T-20	22000	20	35	4	9	344	104	232	1
101727	SMH-10T-30	22000	30	35	4	9	344	104	287	1

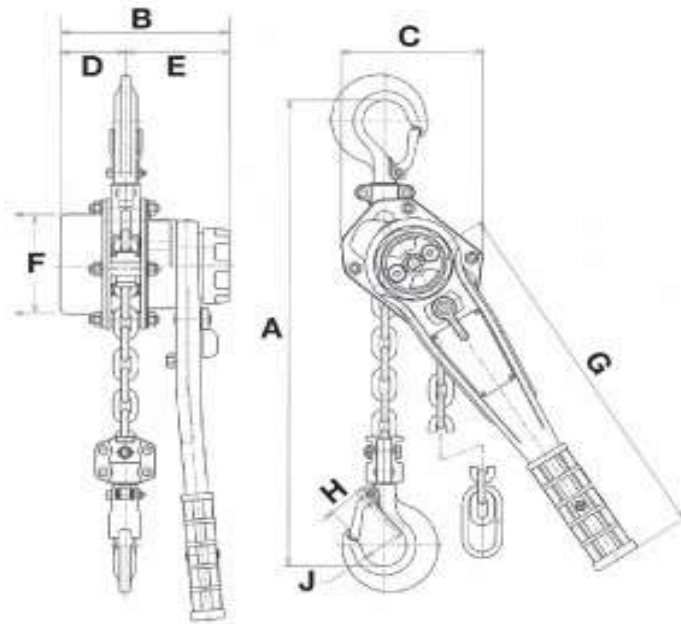


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## Mini-Mite Series Lever Hoist

### MM Series Lever Hoists

Heavy-duty lever hoist features impact resistant steel construction with durable powder coat finish. Easy-to-use one hand operation and control. Free-wheeling feature without load for quick positioning of slack chain. Lever hoist will not freewheel when under load. Completely enclosed Weston type automatic brake system holds load in any position. Premium grade 100 low wear chain.



MM Series

JET Mechanical

### Dimensions

STOCK NUMBER	MODEL #	LOAD CHAIN (DIA./MM)	NO. OF FALLS	RATED CAP'Y (TONS)	LIFT PER FULL TURN OF LEVER (IN.)	MIN DIST BETWEEN HOOKS (IN.)	STANDARD LIFT (FT.)	LBS. PULL TO LIFT CAP'Y	LEVER LENGTH (IN.)	SHIP WEIGHT (LBS.)
187625	MM-25	4.3	1	1/4	2	9 1/4	3	61	6 3/32	4 1/2
187626	MM-26	4.3	1	1/4	2	9 1/4	10	61	6 3/32	9
187575	MM-75	6.3	1	3/4	1 3/16	9-3/4	5	48 1/2	10 5/64	13 1/2
187510	MM-751	6.3	1	3/4	1 3/16	9-3/4	10	48 1/2	10 5/64	17
187520	MM-752	6.3	1	3/4	1 3/16	9-3/4	20	48 1/2	10 5/64	23
187515	MM-150	7.1	1	1 1/2	1	13	5	51	17 5/16	23 1/2
187511	MM-151	7.1	1	1 1/2	1	13	10	51	17 5/16	28
187525	MM-155	7.1	1	1 1/2	1	13	15	51	17 5/16	33 1/2
187521	MM-152	7.1	1	1 1/2	1	16 3/4	20	51	17 5/16	35 1/2
187531	MM-310	9.5	1	3	1/2	16 3/4	10	75	17 5/16	53
187532	MM-320	9.5	1	3	1/2	16 3/4	20	75	17 5/16	67 1/2
187560	MM-600	9.5	2	6	3/8	24 1/2	5	79	17 5/16	82
187562	MM-620	9.5	2	6	3/8	24 1/2	20	79	17 5/16	121

## Beam Clamps / Beam Trolleys

### JBC SERIES INDUSTRIAL DUTY BEAM CLAMPS

**Features:**

- For construction, commercial and industrial, vertical or horizontal rigging operations.
- 1-ton to 5-ton capacities.
- Mount hoists or lift beams with portable lightweight clamp.
- Adjusts with ease to fit a broad range of wide-flange H or standard I-beams.
- Clamp jaw designed to distribute the load away from beam flange edge.
- Low headroom with built-in suspension rod.
- Proof tested with test certificate.
- Compliance: ANSI/ASME B30.17 and B30.20 standards.



JBC Series

**Dimensions**

STOCK NO.	MODEL	RATED CAP'Y (LBS.)	BEAM FLANGE WIDTH (IN.)	DIM. (IN.) MAX. A	MIN. B	MAX. B	C	D	E	MAX. F	MIN. F	MIN. G	H	SHIP WT. EACH (LBS.)
252710	JBC-1	2000	2 31/32 - 8 21/32	9 21/32	7 3/32	14 11/64	2 3/4	13/64	9 9/32	5 5/16	3 35/64	1 3/16	13/16	12
252720	JBC-2	4000	2 31/32 - 8 21/32	9 21/32	7 3/32	14 11/64	2 29/32	1/4	9 9/32	5 5/16	3 35/64	1 3/16	13/16	14
252730	JBC-3	6000	3 15/16 - 9 27/32	11 5/8	9 27/32	17 17/32	4 21/32	5/16	10 1/4	6 11/16	4 11/32	2 11/64	1	27
252750	JBC-5	10000	4-15/16 - 10 5/8	11 7/32	10 7/16	19 3/32	5 1/2	25/64	10 1/4	6 15/16	4 15/16	2 3/64	1 7/64	34

### PT SERIES INDUSTRIAL DUTY BEAM TROLLEYS

**Features:**

- Designed for low maintenance and trouble-free operation through a wide range of beams.
- 1/2-ton to 10-ton capacities.
- For use with wide-flange H-beams, standard I-beams, or curved track.
- Multiple spacer washers make beam flange width adjustment quick and easy.
- Rugged steel side plates feature built-in bumper guards.
- Hardened wheels with lubricated for life, double sealed ball bearings.
- Proof tested with test certificate.
- Compliance: OSHA, ANSI/ASME B30.11 and B30.17 standards.



PT Series

**Dimensions**

STOCK NUMBER	MODEL #	CAP'Y (TON)	BEAM FLANGE WIDTH (IN.)	BEAM HEIGHT (FT.)	MIN. RADIUS CURVE (IN.)	SHIP WEIGHT (LBS.)
252005	1/2 PT	1/2	2 1/2 - 8	4 - 19	39	20
252010	1 PT	1	3 - 8	4 - 19	39	34
252015	1-1/2 PT	1-1/2	3 1/4 - 8	4 - 19	43	43
252020	2 PT	2	3 1/4 - 8	4 - 19	43	52
252030	3 PT	3	4 - 8	5 - 19	51	88
252050	5 PT	5	4 5/8 - 8	5 - 19	55	129
252060	10 PT	10	4 3/4 - 8	5 - 19	67	213

## Ferrules / Stop Clips / Thimbles

**Warning; To prevent injury:**

- Do Not use on coated cable. If used on coated cable, remove the coating from the assembly area
- Follow assembly instructions

### Ferrules and Stops



Cable Ferrule and Stop

Description	Material	Dimensions For Cable		Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight	
		in	mm					lb	kg
Cable Ferrules (2) and Stops (2)	Aluminum	1/16	1	B7675304	157134	10	100	4	2
Cable Ferrules (2) and Stops (2)	Aluminum	3/32	2	B7675314	157141	10	100	5	2
Cable Ferrules (2) and Stops (2)	Aluminum	1/8	3	B7675324	157158	10	100	6	3
Cable Ferrules (2) and Stops (2)	Aluminum	3/16	5	B7675344	157165	10	100	8	4
Cable Ferrules (2) and Stops (2)	Aluminum	1/4	6	B7675354	157172	10	100	14	6
Cable Ferrules	Aluminum	1/16	1	7670704	166464	50	250	2 1/2	1
Cable Ferrules	Aluminum	3/32	2	7670714	166471	50	250	2 1/2	1
Cable Ferrules	Aluminum	1/8	3	7670724	166488	50	250	2 1/2	1
Cable Ferrules	Aluminum	3/16	5	7670744	166501	50	250	5	2

### Wire Rope Clips and Thimbles

**Warning; To prevent injury:**

- Do Not use on coated cable. If used on coated cable, remove the coating from the assembly area
- Follow assembly instructions

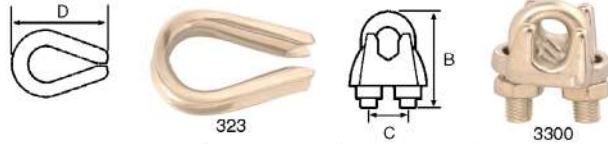


Figure No.	Size		Description	Finish	Dimensions								Bagged		Tagged		Case			
	in	mm			A (Cable Size)		B		C		D		Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Weight lb	kg
3300	1/16	1	Wire Rope Clips	Galv	1/16	1	1	25	1 1/2	13	-	-	-	-	T7670409	192586	10	100	4	2
3300	3/32-1/8	2-3	Wire Rope Clips	Galv.	3/32-1/8	2-3	1	25	1 1/2	13	-	-	-	-	T7670419	201691	10	100	4	2
3300	3/16	5	Wire Rope Clips	Galv	3/16	5	1 1/16	27	9/16	14	-	-	-	-	T7670429	201707	10	100	8	4
3300	1/4	6	Wire Rope Clips	Galv	1/4	6	1 1/2	38	1 1/16	17	-	-	-	-	T7670439	201714	10	100	14	6
3300	5/16	8	Wire Rope Clips	Galv	5/16	8	1 1/2	38	1 1/16	17	-	-	-	-	T7670449	201721	10	100	20	9
3300	3/8	10	Wire Rope Clips	Galv	3/8	10	2	51	7/8	22	-	-	-	-	T7670459	201738	10	100	20	9
3300	1/2	13	Wire Rope Clips	Galv	1/2	13	2 1/2	64	1	25	-	-	-	-	T7670479	201745	5	50	16	7
3300	5/8	16	Wire Rope Clips	Galv	5/8	16	2 3/4	70	1 3/16	30	-	-	-	-	T7670489	201752	5	50	13	6
3300	3/4	19	Wire Rope Clips	Galv	3/4	19	3 1/16	78	1 11/32	34	-	-	-	-	T7670499	180460	5	50	30	14
323	3/32-1/8	2-3	Wire Rope Thimbles	Galv.	3/32-1/8	2-3	-	-	-	1 3/4	44	-	-	-	T7670609	201769	10	100	3	1
323	3/16	5	Wire Rope Thimbles	Galv	3/16	5	-	-	-	1 3/4	44	-	-	-	T7670619	201776	10	100	3	1
323	1/4	6	Wire Rope Thimbles	Galv	1/4	6	-	-	-	1 7/8	48	-	-	-	T7670629	201783	10	100	3	1
323	5/16	8	Wire Rope Thimbles	Galv	5/16	8	-	-	-	2 3/32	53	-	-	-	T7670639	201790	10	100	7	3
323	3/8	10	Wire Rope Thimbles	Galv	3/8	10	-	-	-	2 1/4	57	-	-	-	T7670649	201806	10	100	8	4
323	1/2	13	Wire Rope Thimbles	Galv	1/2	13	-	-	-	2 1/2	64	-	-	-	T7670659	201813	5	50	6	3
323	5/8	16	Wire Rope Thimbles	Galv	5/8	16	-	-	-	2 7/8	73	-	-	-	T7670669	201820	5	50	17	8
3300	1/8	3	Wire Rope Clips (2) w/Thimble (1)	Galv	1/8	3	1 1/2	38	1/2	13	1 3/4	44	B7675109	166846	-	-	10	100	18	8
3300	3/16	5	Wire Rope Clips (2) w/Thimble (1)	Galv	3/16	5	1 1/16	27	9/16	14	1 3/4	44	B7675119	166853	-	-	10	100	19	9
3300	1/4	6	Wire Rope Clips (2) w/Thimble (1)	Galv	1/4	6	1 1/2	38	1 1/16	17	1 7/8	48	B7675129	166860	-	-	10	100	20	9

Note: All bagged items have one product per bag, except where noted.

## Wire Rope Clips / Thimbles

### Stainless Steel Wire Rope Clips & Light Duty Thimbles



**Warning: To prevent injury:**

- **Do Not** use on coated cable. If used on coated cable, remove the coating from the assembly area
- Follow assembly instructions
- Standard Material: Cast Stainless Steel
- Order unit is "Each"

Size	Description	Finish	Tagged		Shelf Pack	Case Pack	Case Weight	
			Cat. No.	UPC No. 020418			lb	kg
1/8	Wire Rope Clips	Polished	T7633002	204692	10	100	7	3
3/16	Wire Rope Clips	Polished	T7633003	204715	10	100	8	4
1/4	Wire Rope Clips	Polished	T7633004	204722	10	100	14	6
1/16 - 1/8	Thimbles	Polished	T7637502	204739	10	100	2	1
3/16	Thimbles	Polished	T7637503	204746	10	100	3	1
1/4	Thimbles	Polished	T7637504	204753	10	100	3	1

### Cable Pullers



6312035



6312036

- Campbell's cable pullers feature double drive ratchet wheels, easy let-down releases and aircraft-type, 3/16" galvanized cables
- Built-in safety handle is designed to bend if recommended working load limit is exceeded
- All cable pullers packaged one per carton in attractive full color box that gives full operating instructions
- **Caution: Do not use cable pullers to lift people or to lift loads over people.**

Cat. No.	UPC No. 020418	Description	Draw		Weight	
			ft	m	lb	kg
6312035	162701	1/2 Ton Lift, 1 Ton Pull Cable Puller, Imported	10 1/2	3.2	8	4
6312036	162718	1 Ton Lift, 2 Ton Pull Cable Puller, Imported	6	1.8	9	4



## Srew Pin Anchor Shackles

### Anchor Shackles, Screw Pin (Import)

- Consumer grade
- Standard Material: Shackle bodies forged steel
- Standard Finish: Zinc plated
- Design Factor: 5 to 1
- UPC tagged



Size		Description	Finish	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight		Working Load Limit	
in	mm							lb	kg	lb	kg
3/16	6	Shackle, Screw Pin	Zinc	T9600335	201509	10	100	10	5	100	45
1/4	7	Shackle, Screw Pin	Zinc	T9600435	201516	10	100	10	5	400	179
5/16	8	Shackle, Screw Pin	Zinc	T9600535	201523	10	100	20	9	700	314
3/8	10	Shackle, Screw Pin	Zinc	T9600635	201530	10	100	30	13	1,000	448
1/2	13	Shackle, Screw Pin	Zinc	T9600835	201547	5	50	35	16	2,000	896
5/8	16	Shackle, Screw Pin	Zinc	T9601035	201554	5	20	28	13	3,000	1,344
3/4	20	Shackle, Screw Pin	Zinc	T9601235	201561	5	20	48	22	4,000	1,792
1	25	Shackle, Screw Pin	Zinc	T9601635	201578	2	10	50	22	5,000	2,240

### Anchor Shackles, Screw Pin (Import)

- Industrial grade
- Forged steel
- Galvanized
- Design Factor: 5 to 1
- Working Load Limit shown on every shackle
- UPC tagged



Size		Description	Finish	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight		Working Load Limit	
in	mm							lb	kg	Tons	kg
3/16	6	Shackle, Screw Pin	Galvanized	T9640335	211706	10	100	6	3	1/8	302
1/4	7	Shackle, Screw Pin	Galvanized	T9640435	211683	10	100	11	5	1/2	454
5/16	8	Shackle, Screw Pin	Galvanized	T9640535	211676	10	100	18	8	3/4	680
3/8	10	Shackle, Screw Pin	Galvanized	T9640635	211689	10	100	32	14	1	907
1/2	13	Shackle, Screw Pin	Galvanized	T9640835	211652	5	50	35	16	2	1,814
5/8	16	Shackle, Screw Pin	Galvanized	T9641035	211645	1	25	38	17	3 1/4	2,948
3/4	20	Shackle, Screw Pin	Galvanized	T9641235	211621	1	15	35	16	4 3/4	4,309
7/8	22	Shackle, Screw Pin	Galvanized	T9641435	211638	1	10	34	15	6 1/2	5,897
1	25	Shackle, Screw Pin	Galvanized	T9641635	211614	1	5	26	12	8 1/2	7,711

## Screw Pin Anchor Shackles / Swivels

### Stainless Anchor Shackles, Screw Pin (Import)



- Type 316 Stainless Steel
- Cast bodies
- UPC tagged

Size		Description	Finish	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight		Working Load Limit	
in	mm							lb	kg	lb	kg
1/4	7	Shackle, Screw Pin	Polished	T7632104	204661	10	100	20	9	800	363
5/16	8	Shackle, Screw Pin	Polished	T7632105	204678	10	100	27	13	1,400	627
3/8	10	Shackle, Screw Pin	Polished	T7632106	204685	10	100	42	19	2,000	896

### Eye & Eye Swivels (Import)



- Industrial grade
- Forged steel
- Galvanized
- Design factor: 5 to 1
- UPC tagged

Size		Description	Finish	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight		Working Load Limit	
in	mm							lb	kg	lb	kg
3/16	6	Swivel, Eye & Eye	Galvanized	T9630335	211560	5	50	6	3	700	318
1/4	7	Swivel, Eye & Eye	Galvanized	T9630435	211577	5	50	10	5	850	386
5/16	8	Swivel, Eye & Eye	Galvanized	T9630535	211584	5	50	19	9	1,250	567
3/8	10	Swivel, Eye & Eye	Galvanized	T9630635	211591	5	25	17	8	2,250	1,021
1/2	13	Swivel, Eye & Eye	Galvanized	T9630835	211607	5	25	35	16	3,600	1,633

## Grab Hooks

### Grab Hooks, Grade 30, (Import)

- Forged steel
- Zinc plated
- UPC tagged



Eye Grab Hook



Clevis Grab Hook

Size in	mm	Description	Finish	Hook Style	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight		Working Load Limit	
									lb	kg	lb	kg
¼	6	Grab Hook, Grade 30	Zinc Plated	Eye	T9000424	201837	10	100	30	13	1,300	580
				Clevis	T9500424	201936	10	100	30	13		
⅝	8	Grab Hook, Grade 30	Zinc Plated	Eye	T9000524	201844	10	100	50	22	1,900	860
				Clevis	T9500524	201943	10	100	60	27		
¾	10	Grab Hook, Grade 30	Zinc Plated	Eye	T9000624	201851	10	50	35	16	2,650	1,200
				Clevis	T9500624	201950	10	50	45	20		
½	13	Grab Hook, Grade 30	Zinc Plated	Eye	T9000824	180576	5	20	36	16	4,500	2,030
				Clevis	T9500824	201967	5	20	40	18		

### Grab Hooks, Grade 43, (Import)

- Forged steel
- Grade 43
- Zinc plated
- UPC tagged



Eye Grab Hook



Clevis Grab Hook

Size in	mm	Description	Finish	Hook Style	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight		Working Load Limit	
									lb	kg	lb	kg
¼	6	Grab Hook, Grade 43	Zinc Plated	Eye	T9001424	222139	10	100	40	18	2,600	1,179
				Clevis	T9501424	192678	10	100	43	19		
⅝	8	Grab Hook, Grade 43	Zinc Plated	Eye	T9001524	222146	10	50	30	13	3,900	1,769
				Clevis	T9501524	192685	10	50	36	16		
¾	10	Grab Hook, Grade 43	Zinc Plated	Eye	T9001624	222153	10	50	45	20	5,400	2,449
				Clevis	T9501624	192692	10	50	56	25		
½	13	Grab Hook, Grade 43	Zinc Plated	Eye	T9001824	222122	5	20	36	16	9,200	4,173
				Clevis	T9501824	220661	5	20	37	17		

## Slip Hooks

### Slip Hooks, Grade 30, (Import)



Eye Slip Hook



Clevis Slip Hook

- Forged steel
- Zinc plated
- UPC tagged

Size	Description	Finish	Hook Style	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight	Working Load Limit			
in	mm							lb	kg			
¼	6	Slip Hook, Grade 30	Zinc Plated	Eye	T9100424	201868	10	100	40	18	1,300	580
				Clevis	T9400424	201905	5	100	80	36		
⅝	8	Slip Hook, Grade 30	Zinc Plated	Eye	T9100524	201875	10	100	60	27	1,900	860
				Clevis	T9400524	201912	5	50	50	22		
¾	10	Slip Hook, Grade 30	Zinc Plated	Eye	T9100624	201882	10	50	50	22	2,650	1,200
				Clevis	T9400624	201929	5	50	70	31		
½	13	Slip Hook, Grade 30	Zinc Plated	Eye	T9100824	201899	5	20	52	23	4,500	2,030
				Clevis	T9400824	180851	5	20	78	35		

### Slip Hooks, Grade 43, (Import)



Eye Slip Hook



Clevis Slip Hook



Clevis Slip Hook with Latch

- Forged steel
- Grade 43
- Zinc plated
- UPC tagged

Size	Description	Finish	Hook Style	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight	Working Load Limit			
in	mm							lb	kg			
¼	6	Slip Hook, Grade 43	Zinc Plated	Eye	T9101424	222177	10	100	40	18	2,600	1,179
				Clevis	T9401424	192647	5	100	58	26		
				Clevis w/Latch	T9700424	192081	5	50	33	15		
⅝	8	Slip Hook, Grade 43	Zinc Plated	Eye	T9101524	222184	10	50	30	13	3,900	1,769
				Clevis	T9401524	192654	5	50	39	18		
				Clevis w/Latch	T9700524	192098	5	50	47	21		
¾	10	Slip Hook, Grade 43	Zinc Plated	Eye	T9101624	222191	10	50	50	22	5,400	2,449
				Clevis	T9401624	192661	5	50	72	33		
				Clevis w/Latch	T9700624	192104	5	30	42	19		
½	13	Slip Hook, Grade 43	Zinc Plated	Eye	T9101824	222160	5	20	52	23	9,200	4,173
				Clevis	T9401824	220854	5	15	43	20		
				Clevis w/Latch	T9700824	220647	5	15	43	20		

**S Hooks**

**CAMPBELL CHAIN**

**“S” Hooks**



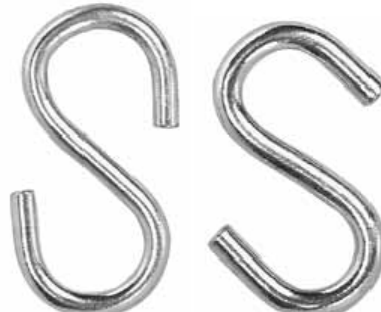
Proper closure



No. 20



No. 40



No. 60

No. 61



No. 72



No. 80



No. 81



No. 62



No. 70



No. 100



No. 84



No. 120



## Forged Wire Rope Clips

### Forged Wire Rope Clips

1000-G Forged      Stainless Steel  
3300 Malleable Iron

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING THESE WIRE ROPE CLIPS.



FORGED WIRE ROPE CLIP

**WARNING**

- Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.
- Prepare wire rope end termination only as instructed.
- Do not use on plastic coated wire rope.
- Periodically inspect assembly for wear and abuse, and tighten nuts to recommended torque. If worn, distorted or damaged, discard and replace.
- Always stand clear of loads being lifted.

Campbell forged carbon steel wire rope clips meet the design requirements of Federal Specification FF-C-450, Type 1, Class 1. The base is drop-forged. All parts are galvanized to ASTM A-153 specification. The U-bolt is dyed blue for identification.

Campbell stainless wire rope clips are all drop-forged and made of Type 316 Stainless Steel, and have an electro-polished finish.

Wire rope clips are used for making eye termination assemblies.

**IMPORTANT: Instructions For Use**



1. Turn back specified amount of rope per clip size (shown in the table below) from the thimble. Install clip on base width from dead end of rope (U-bolt over dead end). Tighten nuts evenly to recommended torque.



2. Assemble the next clip as close to the loop as possible. Turn nuts alternately and firmly until the ropes make contact.

3. If any additional clips are required, they should be equally spaced between the first two. Tighten all nuts evenly on all clips to recommended torque (see table).

**4. IMPORTANT!**

Apply the initial load to test the assembly. This load should be equal or greater weight than loads expected in use. Retighten nuts to recommended torque. Periodically, inspect assembly and tighten nuts to recommended torque.

The efficiency rating of a properly installed clip is based upon the catalog breaking strength of wire rope. The efficiency rating for clip sizes 1/8" through 7/8" is 80% and for sizes 1" through 2" is 90%. When a pulley is used in place of thimble for turning back the rope, one additional clip should be added.

The minimum number of clips shown in the table is based on using right or lang lay wire rope, 6x19 class, or 6x37 class, IWRC or fiber core, IPS or EIPS. If Seale construction or similar large outer wire type construction in the 6x19 class is being used for 1" and larger wire rope, one additional clip should be added.

The minimum number of clips shown in the table can be used with right regular lay wire rope, 8x19 class, fiber core IPS or IPS for 1-1/2" and smaller wire rope. The number of clips shown also applies to right regular lay wire rope 18x7 class, fiber core IPS or XIPS for 1-3/4" and smaller wire rope.

For classes of wire rope not mentioned, additional clips may be necessary to make a proper termination. Do not use on plastic coated wire rope.

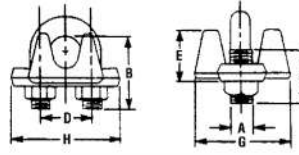
Clip Size		Minimum No. of Clips	L Amount of Rope to Turn Back		Torque Foot Weight	
in.	mm		in.	mm	lb	kg
1/8	3	2	3 1/2	89	5	2
3/16	5	2	4	102	8	4
1/4	6	2	5	127	15	7
5/16	8	2	5 1/2	140	30	14
3/8	10	2	6 1/2	165	45	20
7/16	11	2	7	178	65	30
1/2	13	3	11 1/2	292	65	30
9/16	14	3	12	305	95	43
5/8	16	3	12	305	95	43
3/4	19	4	18	457	130	59
7/8	22	4	19	483	225	102
1	25	5	26	660	225	102
1 1/8	29	6	34	864	225	102
1 1/4	32	7	44	1118	360	163
1 1/2	38	8	54	1372	360	163
1 3/4	44	8	61	1549	590	268
2	51	8	71	1803	750	341

**NOTE:** If more clips are used than specified in the table above, the amount of rope turnback should be increased accordingly. The data above based on use of Brewer-Titchener forged wire rope clips on new rope.

## Forged Wire Rope Clips

### 1000-G, Wire Rope Clips (Forged Carbon Steel, Galvanized)

- Standard Material: Base is drop-forged carbon steel, with heavy hex nuts
- Standard Finish: Galvanized to ASTM A-153 specification
- Other Features: Meets specification FF-C-450, Type 1, Class 1
- Note: See application and warning information



For Rope Dia.	Cat. No.	UPC No. 020418	Min. No. of Clips Req.	Dimensions												Clips Per Box	Weight/100				
				A UNC-2A		B		C		D		E		F			G		lb	kg	
in.	mm			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm				
* 1/8	3	6990234	099908	2	7/32	6	3/4	19	7/16	11	9/16	14	7/16	11	29/32	737	1 1/16	27	100	6	3
* 3/16	5	6990334	099915	2	1/4	6	15/16	24	9/16	14	5/8	16	1/2	13	15/16	813	1 1/8	29	100	10	5
* 1/4	6	6990434	099922	2	5/16	8	1 1/32	26	5/8	16	23/32	18	2 1/32	17	1 1/8	29	1 7/16	37	100	18	8
* 5/16	8	6990534	099939	2	3/8	10	1 5/16	33	13/16	21	7/8	22	3/4	19	1 5/16	29	1 11/16	43	100	32	15
3/8	10	6990634	099946	2	7/16	11	1 1/2	38	15/16	24	1	25	29/32	23	1 9/16	33	1 15/16	49	75	48	22
7/16	11	6990734	099953	2	1/2	13	2	51	1 1/8	29	1 1/8	29	1	25	1 11/16	40	2 1/4	57	50	72	33
1/2	13	6990834	099960	3	1/2	13	2	51	1 1/8	29	1 1/8	29	1 1/16	27	1 13/16	43	2 1/4	57	50	76	35
9/16	14	6990934	099967	3	9/16	14	2 3/8	60	1 3/8	35	1 1/4	32	1 9/32	33	1 15/16	46	2 7/16	62	50	96	44
5/8	16	6991034	099984	3	9/16	14	2 3/8	60	1 1/2	38	1 1/4	32	1 9/32	33	2 1/16	52	2 7/16	62	25	105	48
3/4	19	6991234	099991	4	5/8	11	2 3/4	70	1 1/2	38	1 1/2	38	1 1/2	38	2 5/16	59	2 13/16	71	25	160	73
7/8	22	6991434	100000	4	3/4	10	3 1/8	79	1 7/8	48	1 3/4	44	1 17/32	39	2 1/2	64	3 1/4	83	25	240	109
1	25	6991634	100017	5	3/4	10	3 1/2	89	2 1/2	52	1 7/8	48	1 3/4	44	2 3/4	70	3 3/8	86	25	270	123
1 1/8	29	6991834	100024	6	3/4	10	3 7/8	98	2 7/8	54	2 1/2	52	1 29/32	48	3	76	3 5/8	92	10	340	154
1 1/4	32	6992034	100031	7	7/8	9	4 1/4	108	2 3/8	60	2 1/4	57	2 7/32	56	3 1/4	83	4	102	10	468	212
1 1/2	38	6992434	100048	8	7/8	9	4 15/16	125	2 1/4	57	2 9/16	65	2 9/16	65	3 1/2	89	4 3/8	111	10	600	272
1 3/4	44	6992835	100055	8	1 1/8	29	5 13/16	148	2 3/4	70	3 1/16	78	2 3/4	70	3 3/4	95	5 5/16	135	Bulk	900	409
2	51	6993235	100062	8	1 1/4	32	6 1/2	165	3	76	3 3/8	86	3 1/8	79	4 1/4	108	5 7/8	149	Bulk	1,230	558

\* Bagged, unassembled

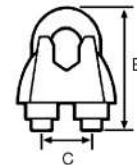
### 3300, Wire Rope Clips (Malleable Iron, Zinc Plated) (Imported)

- Standard Material: Base is cast malleable iron with regular hex nuts
- Note: See application and warning information.

Figure No.	Size		Dimensions						Tagged		Case		Case Weight	
	in	mm	A in	A mm	B in	B mm	C in	C mm	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	lb	kg
3300	1/16	1	1/16	1	7/8	9	7/16	11	T7670409	192586	10	100	2	1
3300	1/8	3	1/8	3	1	25	1/2	13	T7670419	201691	10	100	4	2
3300	3/16	5	3/16	5	1 1/4	27	9/16	14	T7670429	201707	10	100	7	3
3300	1/4	6	1/4	6	1 1/2	38	1 1/16	17	T7670439	201714	10	100	12	5
3300	5/16	8	5/16	8	1 1/2	38	1 1/16	17	T7670449	201721	10	100	14	6
3300	3/8	9	3/8	10	2	51	7/8	22	T7670459	201738	10	100	22	10
3300	1/2	13	1/2	13	2 1/2	64	1	25	T7670479	201745	10	50	18	8
3300	5/8	16	5/8	16	2 3/4	70	1 3/16	30	T7670489	201752	10	50	28	13
3300	3/4	19	3/4	19	3 1/16	78	1 11/32	34	T7670499	180460	5	50	38	17



3300



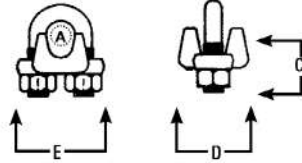


## Wire Rope Clips / Shackles

### M-43-ST, Wire Rope Clips (Stainless Steel)



- Standard Material: Forged Type 316 Stainless Steel
- Standard Finish: Electro-polish

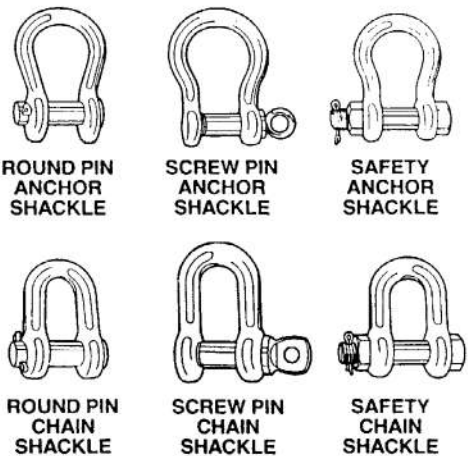


For Rope Diameter		Cat. No.	UPC No. 020418	Dimensions					Clips Per Fastening	Weight/100				
A	B			C	D	E	lb	kg						
1/8	3	6403002	094101	5/32	4	9/16	14	3/4	19	3/4	19	2	4	2
3/16	5	6403003	094118	1/4	6	3/4	19	7/8	22	1 1/8	29	2	10	5
1/4	6	6403004	094125	5/16	8	1	25	1 1/8	29	1 3/8	35	2	18	8
3/8	9	6403006	094132	1/2	13	1 3/8	35	1 1/2	38	2	51	2	52	23
1/2	13	6403008	094149	9/16	14	2	51	1 7/8	48	2 5/16	59	3	89	40

### Shackles

- |                           |                            |                            |
|---------------------------|----------------------------|----------------------------|
| 416-S Round Pin Chain     | 999-G, A Safety Anchor     | Stainless Screw Pin Anchor |
| 419-S, G Screw Pin Anchor | 998-G Safety Chain         | Stainless Safety Anchor    |
| 422-G Screw Pin Chain     | Stainless Round Pin Anchor |                            |

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING SHACKLES.



**⚠ WARNING**

- Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.
- Use shackles only as indicated.
- Shackles must always be inspected for wear, distortion and damage before use. If the pin or bow is worn, distorted or damaged, discard the entire shackle and replace.
- Do not use round pin shackles in rigging applications.
- Screw pin shackles should not be used if there will be movement on the pin. Movement could cause the pin to unscrew and drop the load.
- Always stand clear of loads being lifted.

## Shackles

### Shackles (continued)

Campbell carbon and alloy shackles are all drop-forged. The pins and bolts are made of alloy steel. The shackles all meet the design requirements of Federal Specification RR-C-271, Type IV. Galvanizing is to ASTM A-153 specification.

Campbell Stainless shackles are all drop-forged and made of Type 316 Stainless Steel, and have an electro-polished finish.

**IMPORTANT: Instructions For Use**

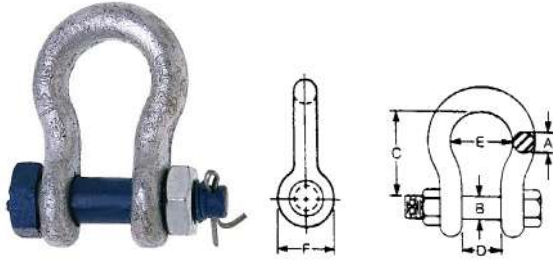
1. Do not exceed working load limit (WLL). See tables below.
2. The standard WLL given applies to in-line loading (perpendicular to the pin). When the loading is at an angle, the WLL is reduced as shown in the table below.
3. Any angular loads must be on the bow. All straight loading should be on the pin.

Shackle Size, in.	mm	In-Line Load WLL		45° Load WLL		90° Load WLL	
		ton	kg	ton	kg	ton	kg
3/16	5	1/8	302	1/8	181	1/8	151
1/4	6	1/2	454	1/8	302	1/4	227
5/16	8	3/4	680	1/2	454	1/8	302
3/8	10	1	907	2/8	605	1/2	454
3/8 Alloy	10	2	1814	1 1/8	1210	1	907
7/16	11	1 1/2	1361	1	907	3/4	680
1/2	13	2	1814	1 1/8	1210	1	907
1/2 Alloy	13	3 1/4	2948	2 1/8	2117	1 1/2	1361
5/8	16	3 1/4	2948	2 1/4	2041	1 1/2	1361
3/4	19	4 3/4	4309	3 1/8	3024	2 1/8	2117
3/4 Alloy	19	7	6350	5	4536	3 1/2	3175
7/8	22	6 1/2	5897	4 1/2	4082	3 1/4	2948
1	25	8 1/2	7711	6	5443	4 1/4	3856
1 Alloy	25	12 1/2	11338	8 3/4	7936	6 1/4	5668
1 1/8	29	9 1/2	8618	6 2/8	6048	4 3/4	4309
1 1/4	32	12	10886	8 1/8	7560	6	5443
1 1/4 Alloy	32	18	16326	12 1/2	11338	9	8163
1 3/8	35	13 1/2	12247	9 1/2	8618	6 3/4	6123
1 1/2	38	17	15422	11 1/8	10773	8 1/2	7711
1 1/2 Alloy	38	30	27215	21	19051	15	13608
1 5/8	41	20	18144	14	12700	10	9072
1 3/4 Alloy	44	40	36287	28	25401	12 1/2	11340
2	51	35	31751	24 1/2	22226	17 1/2	15876
2 Alloy	51	50	45359	35	31751	25	22679
2 1/2	64	55	49895	38 1/2	34926	27 1/2	24947
3	76	75	68038	52 1/2	47627	37 1/2	34019
3 1/2	89	100	90718	70	63502	50	45359

Shackle Size, in.	mm	In-Line Load WLL		45° Load WLL		90° Load WLL	
		lb	kg	lb	kg	lb	kg
1/4	6	1000	454	700	318	500	227
5/16	8	1500	681	1050	476	750	363
3/8	10	2000	907	1400	635	1000	454
7/16	11	3000	1362	2100	953	1500	681
1/2	13	4000	1814	2800	1270	2000	907
5/8	16	6000	2722	4200	1905	3000	1362
3/4	19	8000	3629	5600	2540	4000	1814
7/8	22	10000	4540	7000	3175	5000	2268
1	25	12000	5443	8400	3810	6000	2722

## Anchor Shackles

### Anchor Shackles - Bolt Type Forged Carbon Steel



- Standard Material: Shackle bodies are drop-forged carbon steel. Alloy shackles are all alloy steel
- Standard Finish self-colored or galvanized to meet ASTM A-153 specifications
- Working load limit permanently shown on every shackle
- Design Factor: 6 to 1
- 999-G, safety meets the design requirements of Federal Specification RR-C-271, Type IVA, Grade A, Class 3

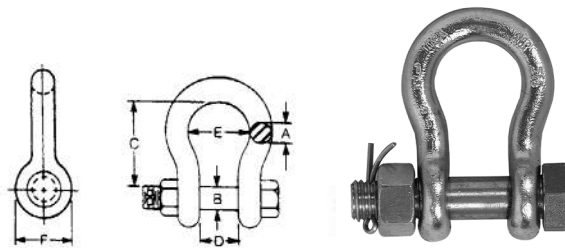
### 999-G, Drop-Forged Carbon Steel - Galvanized

Size in. mm	Cat. No.	UPC No. 020418	Working Load Limit		Tolerances				Dimensions												Weight/ 100	
			ton	kg	Length ±in. ±mm	Width ±in. ±mm	B		C		D		E		F		lb	kg				
1/4	6	5390435	193156	1/2	454	1/16	2	1/16	2	5/16	8	1 1/8	29	15 1/32	12	25 25/32	20	1 1/16	17	10	5	
3/8	10	5390635	193170	1	907	1/8	3	1/16	2	7/16	11	1 7/16	37	21 1/32	17	31 1/32	25	1 5/16	24	30	14	
1/2	13	5390835	075520	2	1814	1/8	3	1/16	2	5/8	16	1 15/16	49	13 1/16	21	1 1/4	32	1 1/4	32	70	32	
5/8	16	5391035	075544	3 1/4	2948	1/8	3	1/16	2	3/4	19	2 1/16	62	1 1/16	27	1 9/16	40	1 7/16	37	130	59	
3/4	19	5391235	075568	4 3/4	4309	1/4	6	1/16	2	7/8	22	2 13/16	71	1 1/4	32	1 13/16	46	1 3/4	44	200	91	
7/8	22	5391435	075582	6 1/2	5897	1/4	6	1/16	2	1	25	3 1/8	79	1 7/16	37	2 1/16	52	2	51	330	150	
1	25	5391635	075605	8 1/2	7711	1/4	6	1/16	2	1 1/8	29	3 3/4	95	1 11/16	43	2 1/2	64	2 3/8	60	500	227	
1 1/8	29	5391835	*075629	9 1/2	8618	1/4	6	1/16	2	1 1/4	32	4 1/4	108	1 13/16	46	2 15/16	75	2 5/8	67	710	322	
1 1/4	32	5392035	075643	12	10886	1/4	6	1/16	2	1 3/8	35	4 1/2	114	2	51	3 1/4	83	3	76	1000	454	
1 3/8	35	5392235	075667	13 1/2	12247	1/4	6	1/8	3	1 1/2	38	5 1/4	133	2 1/4	57	3 1/2	89	3 1/4	83	1300	590	
1 1/2	38	5392435	075681	17	15422	1/4	6	1/8	3	1 5/8	41	5 3/4	146	2 3/8	60	3 3/8	98	3 1/2	89	1600	726	
1 3/4	44	5392835	075735	25	22680	1/4	6	1/8	3	2	51	7	178	2 7/8	73	4 3/4	121	4	102	2850	1294	
2	51	5393235	075766	35	31752	1/2	13	1/8	3	2 1/4	57	7 3/4	197	3 1/4	83	5 3/4	146	4 7/8	124	4000	1816	
2 1/2	64	5394035	075797	55	49896	1/2	13	1/8	3	2 3/4	70	10 9/16	268	4 1/8	105	7 1/4	184	5 1/2	140	9000	4086	

\* These items are made to order

### Anchor Shackles - Bolt Type, Type 316 Stainless Steel

- Standard Material: Forged Type 316 Stainless Steel
- Standard Finish: Electro-polish
- Imported



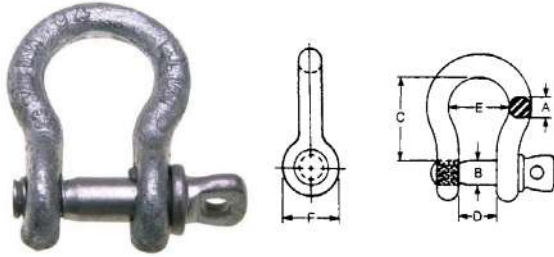
Size in. mm	Cat. No.	UPC No. 020418	Working Load Limit		Tolerances				Dimensions												Weight Each	
			lb	kg	Length ±in. ±mm	Width ±in. ±mm	B		C		D		E		F		lb	kg				
5/16	8	6402405	093852	1300	590	1/16	2	1/16	2	3/8	10	1 1/4	32	17 1/32	13	27 1/32	21	3/4	19	0.16	0.07	
3/8	9	6402406	093869	1500	681	1/8	3	1/16	2	7/16	11	1 7/16	37	21 1/32	17	31 1/32	25	1 5/16	24	0.20	0.09	
7/16	11	6402407	093876	2000	907	1/8	3	1/16	2	1 1/2	13	1 3/4	44	23 1/32	18	1 5/32	29	1 1/8	29	0.50	0.23	
1/2	13	6402408	093883	3000	1362	1/8	3	1/16	2	5/8	16	1 15/16	49	13 1/16	21	1 1/4	32	1 1/4	32	0.72	0.33	
5/8	16	6402410	093890	4000	1814	1/8	3	1/16	2	3/4	19	2 1/16	62	1 1/16	27	1 9/16	40	1 7/16	37	1.38	0.63	
3/4	19	6402412	093906	6000	2722	1/4	6	1/16	2	7/8	22	2 13/16	71	1 1/4	32	1 13/16	46	1 3/4	44	2.22	1.01	
7/8	22	6402414	093913	8000	3629	1/4	6	1/16	2	1	25	3 1/4	63	1 7/16	37	1 13/16	46	1 3/4	44	2.22	1.01	
1	25	6402416	093920	10000	4540	1/4	6	1/16	2	1 1/8	29	3 3/4	95	1 11/16	43	2 1/8	54	2	51	3.28	1.49	

Campbell®



## Screw Pin Anchor Shackles

### 419, Anchor Shackles – Screw Pin Drop-Forged Carbon Steel and Alloy Steel



- Standard Material: Shackle bodies are drop-forged carbon steel. Alloy shackles are all alloy steel
- Standard Finish self-colored or galvanized to meet ASTM A-153 specifications
- Working load limit permanently shown on every shackle
- Design Factor: 6 to 1
- 419-S, 419-G Screw Pin meets the design requirements of Federal Specification RR-C-271, Type IVA, Grade A, Class 2

### 419-S, Drop-Forged Carbon Steel – Self Colored

Size in. mm	Cat. No.	UPC No. 020418	Working Load Limit		Tolerances				Dimensions								Weight/ 100			
			ton	kg	Length ±in. ±mm	Width ±in. ±mm		B		C		D		E		F		lb	kg	
¼ 6	5410405	076145	½	454	¼	2	¼	2	5/16	8	1 ½	29	1 5/32	12	2 5/32	20	1 1/16	17	10	5
5/16 8	5410505	076176	¾	680	¼	2	¼	2	¾	10	1 ¼	32	1 7/32	13	2 7/32	21	¾	19	18	8
¾ 10	5410605	076206	1	907	¼	3	¼	2	7/16	11	1 1/16	37	2 1/32	17	3 1/32	25	1 5/16	24	30	14
7/16 11	5410705	076237	1 ½	1361	¼	3	¼	2	½	13	1 ¾	44	2 3/32	18	1 5/32	29	1 ½	29	52	24
½ 13	5410805	076268	2	1814	¼	3	¼	2	5/8	16	1 15/16	49	1 3/16	21	1 ¼	32	1 ¼	32	70	32
5/8 16	5411005	076282	3 ¼	2948	¼	3	¼	2	¾	19	2 7/16	62	1 1/16	27	1 9/16	40	1 1/16	37	130	59
¾ 19	5411205	076305	4 ¾	4309	¼	6	¼	2	1	22	2 13/16	71	1 ¼	32	1 13/16	46	1 ¾	44	200	91
7/8 22	5411405	076329	6 ½	5897	¼	6	¼	2	1	25	3 1/8	79	1 7/16	37	2 1/16	52	2	51	330	150
1 25	5411605	076343	8 ½	7711	¼	6	¼	2	1 1/8	29	3 3/4	95	1 11/16	43	2 1/2	64	2 3/8	60	500	227
1 1/8 29	5411805	076367	9 ½	8618	¼	6	¼	2	1 ¼	32	4 ¼	108	1 13/16	46	2 15/16	75	2 5/8	67	710	322
1 ¼ 32	5412005	076381	12	10886	¼	6	¼	2	1 3/8	35	4 1/2	114	2	51	3 ¼	83	3	76	1000	454
1 3/8 35	5412205	076404	13 ½	12247	¼	6	1/8	3	1 ½	38	5 ¼	133	2 ¼	57	3 ½	89	3 ¼	83	1300	590
1 ½ 38	5412405	076428	17	15422	¼	6	1/8	3	1 5/8	41	5 ¾	146	2 5/8	60	3 7/8	98	3 ½	89	1600	726
1 ¾ 44	5412805	076459	25	22680	¼	6	1/8	3	2	51	7	178	2 7/8	73	4 ¾	121	4	102	2850	1294
2 51	5413205	076473	35	31752	½	13	1/8	3	2 ¼	57	7 ¾	197	3 ¼	83	5 ¾	146	4 7/8	124	4000	1816
2 ½ 64	5414005	076510	55	49896	½	13	1/8	3	2 ¾	70	10 9/16	268	4 1/8	105	7 ¼	184	5 ½	140	9000	4086



Screw Pin Anchor Shackles

CAMPBELL CHAIN

**419, Anchor Shackles - Screw Pin continued  
Drop-Forged Carbon Steel - Galvanized**

Size in. mm	Cat. No.	UPC No. 020418	Working Load Limit		Tolerances				Dimensions								Weight/ 100					
			ton	kg	Length		Width		B		C		D		E		F		lb	kg		
					±in.	±mm	±in.	±mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
3/16	5	5410335	076138	1/2	302	1/16	2	1/16	2	1/4	6	7/8	22	3/8	10	19/32	15	9/16	14	5	2	
1/4	6	5410435	076169	1/2	454	1/16	2	1/16	2	5/16	8	1 1/8	29	15/32	12	25/32	20	1 1/16	17	10	5	
5/16	8	5410535	076190	3/4	680	1/16	2	1/16	2	3/8	10	1 1/4	32	17/32	13	27/32	21	3/4	19	18	8	
3/8	10	5410635	076220	1	907	1/8	3	1/16	2	7/16	11	1 7/16	37	21/32	17	31/32	25	15/16	24	30	14	
7/16	11	5410735	076251	1 1/2	1361	1/8	3	1/16	2	1/2	13	1 3/4	44	23/32	18	1 5/32	29	1 1/8	29	52	24	
1/2	13	5410835	076275	2	1814	1/8	3	1/16	2	5/8	16	1 15/16	49	13/16	21	1 1/4	32	1 1/4	32	70	32	
5/8	16	5411035	076299	3 1/4	2948	1/8	3	1/16	2	3/4	19	2 7/16	62	1 1/16	27	1 9/16	40	1 7/16	37	130	59	
3/4	19	5411235	076312	4 3/4	4309	1/4	6	1/16	2	7/8	22	2 13/16	71	1 1/4	32	1 13/16	46	1 3/4	44	200	91	
7/8	22	5411435	076336	6 1/2	5897	1/4	6	1/16	2	1	25	3 1/8	79	1 7/16	37	2 1/16	52	2	51	330	150	
1	25	5411635	076350	8 1/2	7711	1/4	6	1/16	2	1 1/8	29	3 3/4	95	1 11/16	43	2 1/2	64	2 3/8	60	500	227	
1 1/8	29	5411835	076374	9 1/2	8618	1/4	6	1/16	2	1 1/4	32	4 1/4	108	1 13/16	46	2 15/16	75	2 5/8	67	710	322	
1 1/4	32	5412035	076398	12	10886	1/4	6	1/16	2	1 3/8	35	4 1/2	114	2	51	3 1/4	83	3	76	1000	454	
1 3/8	35	5412235	076411	13 1/2	12247	1/4	6	1/8	3	1 1/2	38	5 1/4	133	2 1/4	57	3 1/2	89	3 1/4	83	1300	590	
1 1/2	38	5412435	076435	17	15422	1/4	6	1/8	3	1 5/8	41	5 3/4	146	2 3/8	60	3 7/8	98	3 1/2	89	1600	726	
1 3/4	44	5412835	076466	25	22680	1/4	6	1/8	3	2	51	7	178	2 7/8	73	4 3/4	121	4	102	2850	1294	
2	51	5413235	076480	35	31752	1/2	13	1/8	3	2 1/4	57	7 3/4	197	3 1/4	83	5 3/4	146	4 7/8	124	4000	1816	
2 1/2	64	5414035	076527	55	49896	1/2	13	1/8	3	2 3/4	70	10 9/16	268	4 1/8	105	7 1/4	184	5 1/2	140	9000	4086	

**Anchor Shackles - Screw Pin Drop-Forged Carbon Steel  
Galvanized - Bagged, 1 per Bag, 10 Bags per Carton**

Size in. mm	Cat. No.	UPC No. 020418	Working Load Limit		Tolerances				Dimensions								Weight/ Shelf Pack					
			ton	kg	Length		Width		B		C		D		E		F		lb	kg		
					±in.	±mm	±in.	±mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
1/4	6	B5960435	154928	1/2	454	1/16	2	1/16	2	5/16	8	1 1/8	29	15/32	12	25/32	20	1 1/16	17	2	0.9	
5/16	8	B5960535	156687	3/4	680	1/16	2	1/16	2	3/8	10	1 1/4	32	17/32	13	27/32	21	3/4	19	2.7	1.2	
3/8	10	B5960635	154942	1	907	1/8	3	1/16	2	7/16	11	1 7/16	37	21/32	17	31/32	25	15/16	24	4.2	1.9	

**419, Anchor Shackles - Screw Pin  
419-A, Alloy Steel - Galvanized**

Size in. mm	Cat. No.	UPC No. 020418	Working Load Limit		Tolerances				Dimensions								Weight/ 100					
			ton	kg	Length		Width		B		C		D		E		F		lb	kg		
					±in.	±mm	±in.	±mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
3/8	10	5410695	182136	2	1814	1/8	3	1/16	2	7/16	11	1 7/16	37	21/32	17	31/32	25	15/16	24	30	14	
1/2	13	5410895	182143	3 1/2	3024	1/8	3	1/16	2	5/8	16	1 15/16	49	13/16	21	1 1/4	32	1 1/4	32	70	32	
3/4	19	5411295	182150	7	6350	1/4	6	1/16	2	7/8	22	2 13/16	71	1 1/4	32	1 13/16	46	1 3/4	44	200	91	
1	25	5411695	182167	12 1/2	11340	1/4	6	1/16	2	1 1/8	29	3 3/4	95	1 11/16	43	2 1/2	64	2 3/8	60	500	227	
1 1/4	32	5412095	182174	18	16330	1/4	6	1/16	2	1 3/8	35	4 1/2	114	2	51	3 1/4	83	3	76	1000	454	



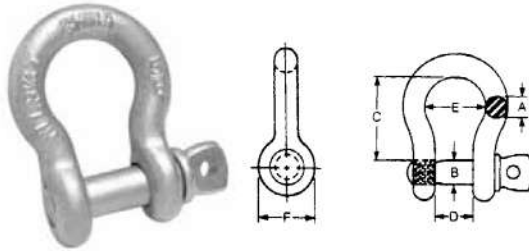
HARDWARE & SUPPLY CO. Inc.  
Supply Inc. of Virginia  
Form Rentals

.....NJ (856) 662-6935 • PA (215) 925-8800  
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## Screw Pin Anchor Shackles

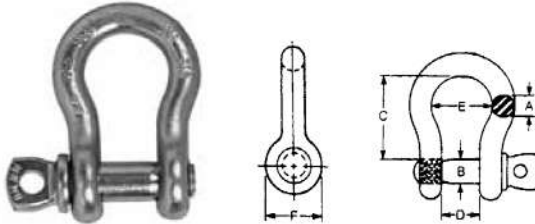
### Anchor Shackles – Screw Pin (Imported)



- Industrial grade
- Forged steel
- Galvanized
- Design factor: 5 to 1
- Working Load Limit shown on every shackle
- UPC tagged

Size in. mm	Cat. No.	UPC No. 020418	Working Load Limit ton kg	Dimensions												Shelf Pack	Case Pack	Case Weight	
				A		B		C		D		E		F				lb	kg
3/16 6	T9640335	211706	1/3 302	0.19 5	0.25 6	0.87 22	0.37 9	0.63 16	0.56 14	10	100	6	3						
1/4 7	T9640435	211683	1/2 454	0.25 6	0.31 8	1.12 28	0.50 13	0.78 20	0.69 18	10	100	11	5						
5/16 8	T9640535	211676	3/4 680	0.32 8	0.37 9	1.20 30	0.54 14	0.83 21	0.86 22	10	100	18	8						
3/8 10	T9640635	211669	1 907	0.38 10	0.43 11	1.44 37	0.67 17	1.00 25	1.05 27	10	100	32	14						
1/2 13	T9640835	211652	2 1814	0.50 13	0.62 16	1.86 47	0.86 22	1.30 33	1.20 30	5	50	35	16						
5/8 16	T9641035	211645	3 1/4 2948	0.62 16	0.75 19	2.44 62	1.06 27	1.56 40	1.44 37	1	25	38	17						
3/4 20	T9641235	211621	4 3/4 4309	0.75 19	0.87 22	2.80 71	1.30 33	2.00 51	1.85 47	1	15	35	16						
7/8 22	T9641435	211638	6 1/2 5897	0.87 22	1.00 25	3.20 81	1.43 36	2.15 55	2.00 51	1	10	34	15						
1 26	T9641635	211614	8 1/2 7711	1.00 25	1.12 28	3.75 95	1.68 43	2.55 65	2.37 60	1	5	26	12						

### Anchor Shackles – Screw Pin Type 316 Stainless Steel



- Forged Type 316 Stainless Steel
- Electro-polished finish
- Imported

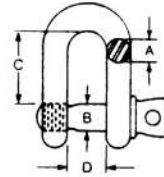
Size in. mm	Cat. No.	UPC No. 020418	Working Load Limit lb kg	Tolerances				Dimensions												Weight Each	
				Length		Width		B		C		D		E		F		lb	kg		
1/4 6	6402104	093654	1000 454	±1/16	±2	±1/16	±2	5/16	8	1 1/8	29	1/2	13	3/4	19	1 1/16	17	0.10	0		
5/16 8	6402105	093661	1300 590	±1/16	±2	±1/16	±2	3/8	10	1 1/4	32	17/32	13	27/32	21	3/4	19	0.16	0		
3/8 10	6402106	093678	1500 681	±1/8	±3	±1/16	±2	7/16	11	1 7/16	37	21/32	17	31/32	25	15/16	24	0.20	0		
7/16 11	6402107	093685	2000 907	±1/8	±3	±1/16	±2	1/2	13	1 3/4	44	23/32	18	1 5/32	29	1 1/8	29	0.50	0		
1/2 13	6402108	093692	3000 1362	±1/8	±3	±1/16	±2	5/8	16	1 15/16	49	13/16	21	1 1/4	32	1 1/4	32	0.72	0		
5/8 16	6402110	093708	4000 1814	±1/8	±3	±1/16	±2	3/4	19	2 7/16	62	1 1/16	27	1 9/16	40	1 7/16	37	1.30	1		
3/4 19	6402112	093715	6000 2722	±1/4	±6	±1/16	±2	7/8	22	2 13/16	71	1 1/4	32	1 13/16	46	1 3/4	44	2.22	1		
7/8 22	6402114	093722	8000 3629	±1/4	±6	±1/16	±2	1	25	3 1/8	79	1 1/16	37	2 1/8	54	2	51	3.28	1		



## Screw Pin Chain Shackles

### 422, Chain Shackles-Screw Pin Drop-Forged Carbon Steel

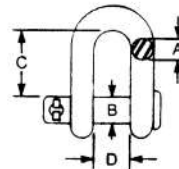
- Standard Material: All shackle bodies are drop forged carbon steel. All pins are alloy steel
- Standard Finish: Galvanized to ASTM A-153 specification
- Working load limit permanently shown on every shackle
- Design Factor: 6 to 1
- Other Features: Meets Federal Specification TR-C-271 Type VII, Class
- 422-G Screw Pin meets the design requirements of Federal Specification RR-C-271, Type IVB, Grade A, Class 2



Size in. mm	Cat. No.	UPC No. 020418	Working Load Limit		Tolerances				Dimensions								Weight/ 100			
			ton	kg	Length		Width		B		C		D		F		lb	kg		
					±in.	±mm	±in.	±mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
1/4 6	5430435	076909	1/2	454	1/16	2	1/16	2	5/16	8	7/8	22	15/32	12	11/16	17	11	5		
5/16 8	5430535	076923	3/4	680	1/16	2	1/16	2	3/8	10	1	25	17/32	13	13/16	21	17	8		
3/8 10	5430635	076947	1	907	1/8	3	1/16	2	7/16	11	1 1/4	32	21/32	17	15/16	24	30	14		
1/2 13	5430835	076985	2	1814	1/8	3	1/16	2	5/8	16	1 11/16	43	13/16	21	1 1/4	32	75	34		
5/8 16	5431035	077005	3 1/4	2948	1/8	3	1/16	2	3/4	19	2	51	1 1/16	27	1 1/8	37	130	59		

### 416, Chain Shackles-Round Pin Drop-Forged Carbon Steel

- Standard Material: All shackle bodies are drop-forged carbon steel. All pins are alloy steel
- Standard Finish: Self-colored
- Working load limit permanently shown on every shackle
- Design Factor: 6 to 1
- Other Features: Meets Federal Specification RR-C-271 Type VII, Class
- 416-S Round Pin meets the design requirements of Federal Specification RR-C-271, Type IVB, Grade A, Class 1



Size in. mm	Cat. No.	UPC No. 020418	Working Load Limit		Tolerances				Dimensions								Weight/ 100			
			ton	kg	Length		Width		B		C		D		F		lb	kg		
					±in.	±mm	±in.	±mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
5/16 8	5420505	076558	3/4	680	1/16	2	1/16	2	3/8	10	1	25	17/32	13	13/16	21	17	8		
3/8 10	5420605	076572	1	907	1/8	3	1/16	2	7/16	11	1 1/4	32	21/32	17	15/16	24	30	14		
7/16 11	5420705	076596	1 1/2	1361	1/8	3	1/16	2	1/2	13	1 1/2	38	23/32	18	1 1/8	29	46	21		
1/2 13	5420805	076619	2	1814	1/8	3	1/16	2	5/8	16	1 11/16	43	13/16	21	1 1/4	32	75	34		

CAMPBELL CHAIN

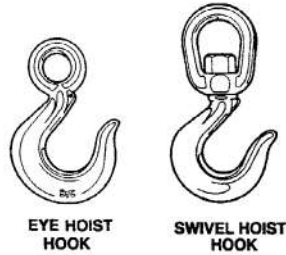
## Hoist Hooks

### Hoist Hooks

1010, 1015-S, G, A Eye Hoist

1013, 1014-S, G, A Swivel Hoist

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING HOIST HOOKS.



Campbell hoist hooks are all drop-forged and heat treated. All hooks are drilled for latch assembly. Galvanizing is to ASTM A153 specification.

**IMPORTANT: Instructions For Use**

1. For hooks with latches, the latch is only designed to retain slings and rigging attachments. The latch must not support the load.
2. Swivel hoist hooks are *not* designed to swivel under load.
3. Do not exceed working load limit (WLL). See table below.

**⚠ WARNING**

- Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.
- Use hoist hooks only as indicated.
- **Never** point load a hook.
- Do not use hooks for lifting personnel.
- Hooks must always be inspected for wear, distortion and damage before use. If worn, distorted or damaged, discard and replace.
- **Do not weld on hooks.** If a hook is exposed to weld spatter, discard that hook.
- Always stand clear of loads being lifted.

**Working Load Limits — Swivels**

Size	Carbon Steel WLL		Alloy WLL	
	Ton	kg	Ton	kg
2/22	¾	680	1	907
3/23	1	907	1½	1361
4/24	1½	1361	2	1814
5/25	2	1814	3	2722
6/26	2½	2268	4	3629
7/27	3	2722	4½	4082
8/28	4	3629	5½	4989
9/29	5	4536	7	6350
11/31	7½	6804	11	9979
12	9	8165	15	13608
32	10	9072	15	13608
34	15	13608	22	19958

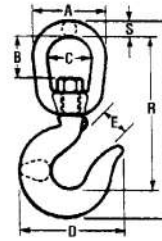
\*Item not manufactured



## Swivel Hoist Hooks

### 1013, Swivel Hoist Hooks

- Standard Material: Drop-forged carbon steel or alloy and heat treated
- Standard Finish: Self-colored or galvanized to ASTM A-153 specification. Alloy hooks are painted orange
- Design Factor: 5 to 1 for carbon steel; 4 to 1 for alloy steel
- Other Features: All hooks are drilled for latch kits



CAMPBELL CHAIN

Size No.	Self Colored		Carbon Steel Galvanized		Working Load Limit		Alloy Steel - Painted Orange		Working Load Limit		Weight Each	
	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	ton	kg	Cat. No.	UPC No. 020418	ton	kg	lb	kg
2	3940205	071812	--	--	3/4	680	3950215	072253	1	907	0.67	3
4	3940405	071850	--	--	1 1/2	1361	3950415	072277	2	1814	1.56	.7
5	3940505	071874	--	--	2	1814	3950515	072284	3	2722	2.73	1.2
7	3940705	071911	--	--	3	2722	3950715	072291	4 1/2	4082	4.85	2.2
9	3940905	071959	--	--	5	4536	--	--	7	6350	9.63	4.4
11	3941105	071997	--	--	7 1/2	6804	3951115	072307	11	9979	13.76	6.2
12	3941205	*072017	--	--	10	9072	3951215	072314	15	13636	19.76	9.0

\*These items are made to order

Size No.	A		B		C		D		E		F		S		L		R	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
2	2	51	1	25	1 1/4	32	3	76	1	25	7/8	22	3/8	10	5 1/2	140	4 3/8	111
4	2 1/2	64	1 1/4	32	1 1/2	38	3 9/16	90	1 1/8	29	1	25	1/2	13	7 1/8	181	5 5/8	143
5	3	76	1 5/8	41	1 3/4	44	4	102	1 1/4	32	1 1/8	29	5/8	16	8 9/32	210	6 9/16	167
7	3 1/2	89	1 3/4	44	2	51	4 15/16	125	1 17/32	39	1 5/16	33	3/4	19	9 7/16	240	8	203
9	4 1/2	114	2 1/4	57	2 1/2	64	6 15/32	164	1 15/16	49	1 5/8	41	1	25	12 1/2	318	9 11/16	246
11	5 5/8	143	2 3/4	70	3 1/8	79	7 23/32	196	2 5/16	59	2	51	1 1/4	32	15	381	11 1/2	292
12	5 5/8	143	2 5/8	67	3 1/8	79	7 13/16	198	2 5/16	59	2 1/8	54	1 1/4	32	16 1/32	407	12 1/4	311

Campbell®

## Swivel Hoist Hooks

### 1014, Swivel Hoist Hooks — Latched



- Standard Material: Drop-forged carbon steel or alloy and heat treated
- Standard Finish: Self-colored or galvanized to ASTM A-153 specification. Alloy hooks are painted orange
- Design Factor: 5 to 1 for carbon steel; 4 to 1 for alloy steel
- Other Features: All hooks are drilled for latch kits

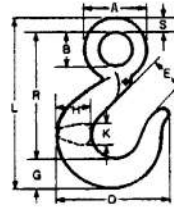
Size No.	Self Colored		Carbon Steel Galvanized		Working Load Limit		Alloy Steel - Painted Orange		Working Load Limit		Weight Each	
	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	ton	kg	Cat. No.	UPC No. 020418	ton	kg	lb	kg
2	3942205	072031	3942235	072048	3/4	680	3952215	072321	1	907	0.67	.3
3	3942305	072055	3942335	072062	1	907	3952315	072338	1 1/2	1361	0.67	.3
4	3942405	072079	3942435	072086	1 1/2	1361	3952415	072345	2	1814	1.56	.7
5	3942505	072093	3942535	072109	2	1814	3952515	072352	3	2722	2.73	1.2
7	3942705	072130	3942735	072147	3	2722	3952715	072369	4 1/2	4082	4.85	2.2
9	3942905	072178	3942935	072185	5	4536	--	--	7	6350	9.63	4.4
11	--	--	--	--	--	--	3953115	072376	11	9979	13.76	6.2
12	3943205	072239	--	--	10	9072	3953215	072383	15	13636	19.76	9.0

Size No.	A		B		C		D		E		F		S		L		R	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
2	2	51	1	25	1/4	32	3	76	1	25	7/8	22	3/8	10	5 1/2	140	4 3/8	111
3	2 1/2	64	1 1/4	32	1 1/2	38	3 3/16	81	1 1/16	27	3 1/32	25	1/2	13	6 5/8	168	5 1/4	133
4	2 1/2	64	1 1/4	32	1 1/2	38	3 9/16	90	1 1/8	29	1	25	1/2	13	7 1/8	181	5 5/8	143
5	3	76	1 5/8	41	1 3/4	44	4	102	1 1/4	32	1 1/8	29	5/8	16	8 9/32	210	6 9/16	167
7	3 1/2	89	1 3/4	44	2	51	4 15/16	125	1 17/32	39	1 5/16	33	3/4	19	9 7/16	240	8	203
9	4 1/2	114	2 1/4	57	2 1/2	64	6 15/32	164	1 15/16	49	1 5/8	41	1	25	12 1/2	318	9 1 1/16	246
11	5 5/8	143	2 3/4	70	3 1/8	79	7 23/32	196	2 5/16	59	2	51	1 1/4	32	15	381	11 1/2	292
12	5 5/8	143	2 5/8	67	3 1/8	79	7 13/16	198	2 5/16	59	2 1/8	54	1 1/4	32	16 1/32	407	12 1/4	311

## Eye Hoist Hooks

### 1010, Eye Hoist Hooks-Regular

- Standard Material: Drop-forged carbon steel or alloy and heat treated
- Standard Finish: Self-colored. Alloy hooks are painted orange
- Design Factor: 5 to 1 for carbon steel; 4 to 1 for alloy steel
- Other Features: All hooks are drilled for latch kits



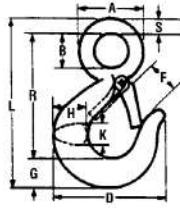
CAMPBELL CHAIN

Size No.	Carbon Steel – Self Colored				Alloy Steel – Painted Orange				Weight Each	
	Cat. No.	UPC No. 020418	Working Load Limit		Cat. No.	UPC No. 020418	Working Load Limit		lb	kg
27	--	--	3	2722	3922715	071676	4½	4082	3.50	1.59
29	3912905	071256	5	4536	3922915	071683	7	6350	7.30	3.31
31	3913105	071294	7½	6804	3923115	071690	11	9979	12.00	5.45
32	3913205	071317	10	9072	3923215	071706	15	13608	17.60	7.99
34	--	--	--	--	3923415	071713	22	19958	35.10	15.94

Size No.	A		B		D		E		F		G		H		K		L		R		S	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
27	2 <sup>15</sup> / <sub>16</sub>	75	1 <sup>9</sup> / <sub>16</sub>	40	4 <sup>15</sup> / <sub>16</sub>	125	1 <sup>17</sup> / <sub>32</sub>	39	1 <sup>5</sup> / <sub>16</sub>	33	1 <sup>7</sup> / <sub>16</sub>	37	1 <sup>5</sup> / <sub>8</sub>	41	1 <sup>1</sup> / <sub>16</sub>	27	7 <sup>25</sup> / <sub>32</sub>	198	5 <sup>21</sup> / <sub>32</sub>	144	1 <sup>11</sup> / <sub>16</sub>	17
29	3 <sup>3</sup> / <sub>4</sub>	95	2	51	6 <sup>15</sup> / <sub>32</sub>	164	1 <sup>15</sup> / <sub>16</sub>	49	1 <sup>21</sup> / <sub>32</sub>	42	1 <sup>13</sup> / <sub>16</sub>	46	2 <sup>1</sup> / <sub>8</sub>	54	1 <sup>11</sup> / <sub>32</sub>	34	9 <sup>7</sup> / <sub>16</sub>	251	7 <sup>3</sup> / <sub>16</sub>	183	7 <sup>7</sup> / <sub>8</sub>	22
31	4 <sup>1</sup> / <sub>4</sub>	108	1 <sup>25</sup> / <sub>32</sub>	45	7 <sup>3</sup> / <sub>16</sub>	183	2 <sup>1</sup> / <sub>8</sub>	54	1 <sup>7</sup> / <sub>8</sub>	48	2	51	2 <sup>3</sup> / <sub>8</sub>	60	1 <sup>1</sup> / <sub>2</sub>	38	10 <sup>1</sup> / <sub>2</sub>	267	7 <sup>1</sup> / <sub>2</sub>	191	1	25
32	4 <sup>7</sup> / <sub>8</sub>	124	2 <sup>13</sup> / <sub>32</sub>	61	8 <sup>9</sup> / <sub>16</sub>	217	2 <sup>9</sup> / <sub>16</sub>	65	2 <sup>1</sup> / <sub>8</sub>	54	2 <sup>9</sup> / <sub>16</sub>	65	2 <sup>15</sup> / <sub>16</sub>	75	1 <sup>13</sup> / <sub>16</sub>	46	13	330	9 <sup>3</sup> / <sub>16</sub>	233	1 <sup>1</sup> / <sub>4</sub>	32
34	6 <sup>3</sup> / <sub>8</sub>	162	3 <sup>5</sup> / <sub>32</sub>	80	11 <sup>7</sup> / <sub>16</sub>	291	3 <sup>7</sup> / <sub>16</sub>	87	3 <sup>5</sup> / <sub>32</sub>	80	3 <sup>7</sup> / <sub>32</sub>	82	3 <sup>25</sup> / <sub>32</sub>	96	2 <sup>7</sup> / <sub>32</sub>	56	16 <sup>29</sup> / <sub>32</sub>	429	12 <sup>1</sup> / <sub>16</sub>	306	1 <sup>5</sup> / <sub>8</sub>	41

## Eye Hoist Hooks

### 1015, Eye Hoist Hooks — Latched



- Standard Material: Drop-forged carbon steel or alloy and heat treated
- Standard Finish: Self-colored or galvanized to ASTM A-153 specification
- Alloy hooks are painted orange
- Design Factor: 5 to 1 for carbon steel; 4 to 1 for alloy steel
- Other Features: All hooks are drilled for latch kits

Size No.	Self Colored		Carbon Steel Galvanized		Working Load Limit		Alloy Steel - Painted Orange		Working Load Limit		Weight Each	
	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	ton	kg	Cat. No.	UPC No. 020418	ton	kg	lb	kg
22	3914205	071379	3914235	071386	3/4	680	3924215	071720	1	907	.54	.25
23	3914305	071393	3914335	071409	1	907	3924315	071737	1 1/2	1361	.72	.33
24	3914405	071416	3914435	071423	1 1/2	1361	3924415	071744	2	1814	1.04	.47
25	3914505	071430	3914535	071447	2	1814	3924515	071751	3	2722	1.45	.66
26	3914605	071454	3914635	071461	2 1/2	2268	--	--	--	--	2.24	1.02
27	3914705	071478	3914735	071485	3	2722	3924715	071768	4 1/2	4082	3.50	1.59
28	3914805	071492	--	--	4	3629	--	--	--	--	4.90	2.22
29	3914905	071515	--	--	5	4536	3924915	071775	7	6350	7.30	3.31
31	3915105	071553	--	--	7 1/2	6804	3925115	071782	11	9979	12.00	5.45
32	3915205	071577	--	--	10	9072	3925215	071799	15	13608	17.60	7.99
34	--	--	--	--	--	--	3925415	071805	22	19958	35.10	15.94

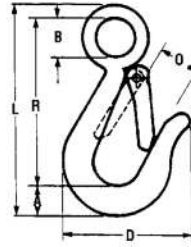
Size No.	A		B		D		E		F		G		H		K		L		R		S	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
22	1 11/16	43	15/16	24	2 31/32	75	1 1/32	26	29/32	23	25/32	20	29/32	23	9/16	14	4 7/16	113	3 9/32	83	3/8	10
23	1 13/16	46	15/16	24	3 3/16	81	1 1/16	27	31/32	25	27/32	21	31/32	25	5/8	16	4 21/32	118	3 3/8	86	7/16	11
24	2 1/8	54	1 1/8	29	3 9/16	90	1 1/8	29	1 1/32	26	1 1/32	26	1 1/8	29	1 1/16	17	5 9/32	134	3 3/4	95	1/2	13
25	2 3/8	60	1 1/4	32	4	102	1 1/4	32	1 1/8	29	1 5/32	29	1 5/16	33	1 3/16	21	5 7/8	149	4 5/32	106	9/16	14
26	2 11/16	68	1 3/8	35	4 1/2	114	1 13/32	36	1 7/8	31	1 5/16	33	1 1/2	38	1 5/16	24	6 11/16	170	4 23/32	120	2 1/32	17
27	2 15/16	75	1 9/16	40	4 15/16	125	1 17/32	39	1 5/16	33	1 7/16	37	1 5/8	41	1 1/16	27	7 25/32	198	5 21/32	144	1 1/16	17
28	3 1/8	79	1 11/32	39	5 27/32	148	1 5/32	45	1 1/2	38	1 5/8	41	1 15/16	49	1 3/16	30	8 5/8	219	6 3/16	157	1 3/16	21
29	3 3/4	95	2	51	6 15/32	164	1 15/16	49	1 21/32	42	1 13/16	46	2 1/8	54	1 11/32	34	9 7/8	251	7 3/16	183	7/8	22
31	4 1/4	108	1 25/32	45	7 3/16	183	2 1/8	54	1 7/8	48	2	51	2 3/8	60	1 1/2	38	10 1/2	267	7 1/2	191	1	25
32	4 7/8	124	2 13/32	61	8 9/16	217	2 9/16	65	2 1/8	54	2 9/16	65	2 15/16	75	1 13/16	46	13	330	9 3/16	233	1 1/4	32
34	6 3/8	162	3 5/32	80	11 1/16	291	3 7/16	87	3 5/32	80	3 7/32	82	3 25/32	96	2 1/32	56	16 29/32	429	12 1/16	306	1 5/8	41



## Snap Hooks

### 478-G Snap Hooks

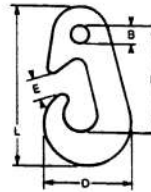
- Standard Material: Drop-forged carbon steel heat treated
- Standard Finish: Galvanized to ASTM A-153 specification
- Design Factor: 5 to 1



Hook Size A	Packed Each		Box of 10		Working Load Limit		Dimensions								Weight Each				
	in.	mm	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	lb	kg	B in.	B mm	D in.	D mm	L in.	L mm	O in.	O mm	R in.	R mm	lb
7/16	11	4530735	074196	4530734	176722	750	340	3/4	19	2 7/16	62	4 1/16	103	2 1/32	17	3 1/4	83	28	12
9/16	14	4530935	074202	--	--	1000	454	1 1/8	29	2 31/32	75	5 1/32	128	1	25	4 1/32	102	45	20

### Cargo Hooks, 481-S, (Portland Pattern)

- Standard Material: Drop-forged carbon steel
- Standard Finish: Blue Paint Finish
- Design Factor: 5 to 1
- Other Features: Proof tested and certified

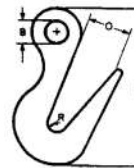


Size	Cat. No.	UPC No. 020418	Working Load Limit		Dimensions												Weight Each	
			ton	kg	B in.	B mm	D in.	D mm	E in.	E mm	L in.	L mm	R in.	R mm	lb	kg		
23	TF3899523	155963*	10	9072	1 17/32	39	7	178	1 3/4	44	12 1/8	327	8 5/8	219	14.5	7		

\*These items are made to order.

### Sorting Hooks, 479-S

- Standard Material: Drop-forged alloy steel heat treated
- Standard Finish: Painted orange
- Design Factor: 5 to 1
- Sorting hook available with handle for better control
- **Handle not to be used for supporting load**



3899501

3899500

Cat. No.	UPC No. 020418	Working Load Limit				Dimensions								Weight/100	
		ton	kg	ton	kg	B in.	B mm	L in.	L mm	R in.	R mm	O in.	O mm	lb	kg
3899500	070723	2	1814	7 1/2	6804	1 3/8	35	9 3/4	248	5/8	16	2 13/16	71	600	272
3899501	193040	2	1814	7 1/2	6804	1 3/8	35	9 3/4	248	5/8	16	2 13/16	71	612	277



## Latch Kits

### Latch Kits For Hooks

916-G Campbell Latch Kit  
916-U Universal Latch Kit

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING HOOK AND LATCH.



#### IMPORTANT: Instructions For Use

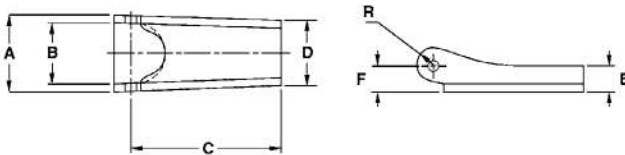
1. Always inspect the hook and latch before using.
2. Always make sure the spring forces the latch against the point of the hook.
3. Check the load before lifting to make sure the hook (not the latch) is supporting the load.
4. To assemble latches on hooks, follow instructions supplied with latch kit.

**⚠ WARNING**

- Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.
- Loads may disengage from hook if proper procedures are not followed.
- A falling load may cause serious injury or death.
- The load must never be supported by the latch.
- Latches must always be inspected for wear or damage before use. If worn, distorted or damaged, discard and replace.
- Always stand clear of loads being lifted.

Campbell offers latches already assembled to the hook as well as kits for field installation.

- Universal kits fit Campbell as well as competitive hooks, including Crosby and Midland, that are drilled for latches
- Spring spacer adapts latch to hooks with narrow cam
- Bolt and nut permit fast, easy installation



Size in.	mm	Size No.	916-G Kit		Universal Kit		Dimensions										Weight/ 100					
			Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	A	B	C		D		E		F		R	lb	kg			
1/4	6	2-22	3990101	072727	3991401	177088	23/32	18	9/16	14	1 1/4	32	5/8	16	1/4	6	1/4	6	5/32	4	3.3	1
5/16	8	3-23	3990201	072734	3991402	177095	23/32	18	9/16	14	1 3/8	39	39/64	16	1/4	6	1/4	6	5/32	4	3.7	2
--	--	4-24	3990301	072741	3991403	177101	15/16	24	25/32	20	1 17/32	43	15/16	24	9/32	7	9/32	7	3/16	5	5	2
3/8	10	5-25	3990401	072758	3991404	177118	15/16	24	25/32	20	1 11/16	43	15/16	24	9/32	7	9/32	7	3/16	5	5.6	3
--	--	6-26	3990501	072765	--	--	15/16	24	25/32	20	1 31/32	50	15/16	24	9/32	7	9/32	7	3/16	5	6.2	3
7/16	11	7-27	3990601	072772	3991405	177125	15/16	24	25/32	20	1 7/8	48	15/16	24	9/32	7	9/32	7	3/16	5	6.5	3
--	--	8-28	3990701	072789	--	--	1 9/32	32	1	25	2 3/8	60	1 9/32	32	3/8	10	9/16	14	17/64	7	12	5
1/2	13	9-29	3990801	072796	3991406	177132	1 9/32	32	1	25	2 11/16	68	1 9/32	32	3/8	10	9/16	14	17/64	7	16.5	7
--	--	10-30	3990901	072802	--	--	1 9/32	32	1	25	2 31/32	75	1 9/32	32	3/8	10	9/16	14	17/64	7	18.2	8
5/8	16	11-31	3991001	072819	3991407	177149	1 9/32	32	1	25	3 7/32	82	1 9/32	32	3/8	10	9/16	14	17/64	7	36	16
--	--	12-32	3991101	072826	3991408	177156	2	51	1 17/32	39	3 7/16	87	1 5/8	41	9/16	14	23/32	18	3/8	10	52	24
--	--	34	--	--	3991409	177163	2 3/16	56	1 3/4	45	4 11/32	110	1 3/4	45	9/16	14	1 1/16	18	13/32	10	70.7	32

CAMPBELL CHAIN

## Swivels

## Swivels

272-G  
275-G

Eye & Eye  
Jaw & Eye

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING SWIVELS.

**IMPORTANT: Instructions For Use**

1. These swivels are designed for a straight line pull only.
2. These swivels are *not* designed to swivel under load.
3. Do not exceed working load limit (WLL). See table below.

Working Load Limits - Swivels			
Size		Carbon WLL	
in.	mm	lb	kg
1/4	6	850	386
5/16	8	1250	568
3/8	10	2250	1022
1/2	13	3600	1634
5/8	16	5200	2361
3/4	19	7200	3269
7/8	22	10,000	4540
1	25	12,500	5675
1 1/4	32	18,000	8172



EYE AND EYE SWIVEL



JAW AND EYE SWIVEL

**⚠ WARNING**

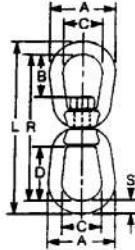
- Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.
- Use swivels only as indicated.
- Swivels must always be inspected for wear, distortion and damage before use. If worn, distorted or damaged, discard and replace.
- Always stand clear of loads being lifted.
- Do not angle load.

Campbell carbon swivels are all drop-forged and normalized. They meet the design requirements of Federal Specification RR-C-271. Galvanizing is to ASTM A153 specification.

CAMPBELL CHAIN

## Eye & Eye Swivels

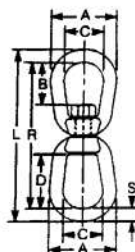
### 272-G, Eye & Eye Swivels Drop-Forged Carbon Steel



- Standard Material: Drop-forged carbon steel
- Standard Finish: Galvanized to ASTM A-153 specification
- Design Factor: 5 to 1
- Other Features: Meets Federal Specification RR-C-271 Type VII, Class 2

Size in. mm	Cat. No.	UPC No. 020418	Working Load Limit		Dimensions										Weight/ 100			
			lb	kg	A		B		C		D		L		R		lb	kg
1/4 6	3630435	069901	850	386	1 1/4	32	3/4	19	3/4	19	1 1/16	27	3 3/8	86	2 7/8	73	15.5	7.0
5/16 8	3630535	069918	1250	567	1 5/8	41	3/4	19	1	25	1 1/4	32	4 1/8	105	3 5/8	92	28.5	12.9
3/8 10	3630635	069925	2250	1021	2	51	1	25	1 1/4	32	1 1/2	38	5	127	4 1/4	108	59	26.8
1/2 13	3630835	069932	3600	1633	2 1/2	64	1 1/4	32	1 1/2	38	1 15/16	49	6 3/4	171	5 3/4	146	124	56.3
5/8 16	3631035	069949	5200	2359	3	76	1 5/8	41	1 3/4	44	2 3/8	60	8	203	6 3/4	171	238	108.1
3/4 19	3631235	069956	7200	3266	3 1/2	89	1 3/4	44	2	51	2 1/2	64	8 3/4	222	7 1/4	184	365	165.7
7/8 22	3631435	069963	10000	4536	4	102	2 1/8	54	2 1/4	57	3 1/16	78	10 3/8	264	8 3/4	222	568	257.9
1 25	3631635	069970	12500	5670	4 1/2	114	2 1/4	57	2 1/2	64	3 1/2	89	11 3/4	298	9 3/4	248	891	404.5
1 1/4 32	3632035	069987	18000	8165	5 5/8	143	3 1/4	83	3 1/8	79	3 7/8	98	13 15/16	354	11 1/2	292	1627	738.7

### Eye & Eye Swivels (Imported)



- Industrial grade
- Forged steel
- Galvanized
- Design factor: 5 to 1
- UPC tagged

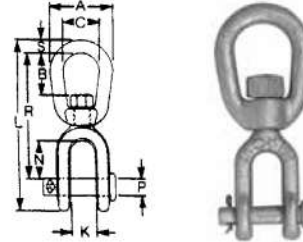
Size in. mm	Cat. No.	UPC No. 020418	Working Load Limit		Dimensions										Shelf Pack	Case Pack	Weight/ 100	
			lb	kg	S		C		D		R		lb	kg				
3/16 6	T9630335	211560	700	318	0.20	5	0.71	18	0.81	21	2.50	64	5	50	6	3		
1/4 7	T9630435	211577	850	386	0.25	6	0.73	19	1.00	25	3.00	76	5	50	10	5		
5/16 8	T9630535	211584	1,250	567	0.32	8	0.97	25	1.22	31	3.50	89	5	50	19	9		
3/8 10	T9630635	211591	2,250	1,021	0.44	11	1.20	30	1.34	34	4.20	107	5	25	17	8		
1/2 13	T9630835	211607	3,600	1,633	0.55	14	1.45	37	1.88	48	5.44	138	5	25	35	16		



## Jaw & Eye Swivels / Twin Clevis Link

### 275-G, Jaw & Eye Swivels Drop-Forged Carbon Steel - Galvanized

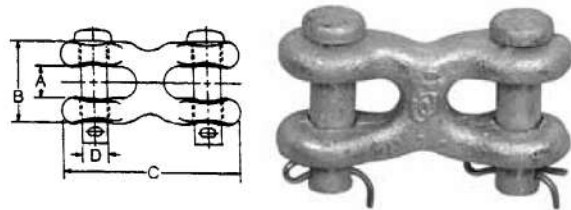
- Standard Material: Drop-forged carbon steel
- Standard Finish: Galvanized to ASTM A-153 specification
- Design Factor: 5 to 1
- Other Features: Meets Federal Specification RR-C-271 Type VII, Class 3



Size in. mm	Cat. No.	UPC No. 020418	Working Load Limit		Dimensions												Weight/ 100	
			lb	kg	A in. mm	B in. mm	C in. mm	K in. mm	L in. mm	N in. mm	P in. mm	R in. mm	lb	kg				
1/4 6	3640435	069994	850	386	1 1/4 32	3/4 19	3/4 19	1/2 13	3 5/32 80	3/4 19	1/4 6	2 7/16 62	21	10				
5/16 8	3640535	070006	1250	567	1 5/8 41	3/4 19	1 25	1/2 13	3 3/4 95	1 3/16 21	5/16 8	2 7/8 73	32	15				
3/8 10	3640635	070013	2250	1021	2 51	1 25	1 1/4 32	1 1/8 17	4 5/8 117	1 1/8 27	3/8 10	3 1/2 89	71	32				
1/2 13	3640835	070020	3600	1633	2 1/2 64	1 1/4 32	1 1/2 38	3/4 19	6 1/8 156	1 3/8 35	1/2 13	4 1 1/16 119	122	55				
5/8 16	3641035	070037	5200	2359	3 76	1 5/8 41	1 3/4 44	1 5/16 24	7 3/8 187	1 1/2 38	5/8 16	5 1/2 140	228	104				
3/4 19	3641235	070044	7200	3266	3 1/2 89	1 3/4 44	2 51	1 1/8 29	8 203	1 3/4 44	3/4 19	5 7/8 149	345	157				
7/8 22	3641435	070051	10000	4536	4 102	2 1/8 54	2 1/4 57	1 3/16 30	9 3/8 238	2 1/8 52	7/8 22	7 178	564	256				
1 25	3641635	070068	12500	5670	4 1/2 114	2 1/4 57	2 1/2 64	1 3/4 44	11 7/16 291	2 7/16 62	1 1/8 29	8 5/8 219	933	424				
1 1/4 32	3642035	070075	18000	8165	5 5/8 143	3 1/4 83	3 1/8 79	2 1/16 52	12 305	2 13/16 71	1 3/8 35	8 7/16 214	1651	750				

### Twin Clevis Link, 489-G Drop-forged Carbon Steel, Heat Treated

- Standard Material: Drop-forged carbon steel heat treated
- Standard Finish: Clevis and bolts are galvanized to ASTM A-153 specification cotter keys are stainless steel
- Design Factor: 3 to 1



Size in. mm	Cat. No.	UPC No. 020418	Working Load Limit		Dimensions				Pieces Per Box	Weight/ 100	
			lb	kg	A in. mm	B in. mm	C in. mm	D in. mm		lb	kg
1/4 7 5/16 8	3643300	175978	3900	1769	7/16 11	1 1/16 27	2 1/2 64	3/8 10	10	3.6	2
3/8 10 - -	3643301	175985	5400	2449	1/2 13	1 5/16 33	2 27/32 72	7/16 11	10	6.0	3
7/16 11 1/2 13	3643302	175992	9200	4173	5/8 16	1 5/8 41	3 5/8 92	9/16 14	5	5.7	3

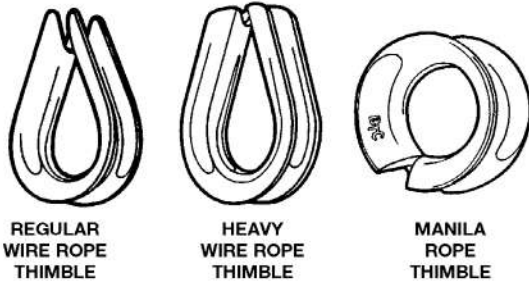
## Thimbles

### Thimbles

765-G Heavy Wire Rope  
83-G Manila Rope

Stainless Regular Wire Rope  
Stainless Heavy Wire Rope

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING THIMBLES.



Campbell® thimbles are all made of hot rolled, mild steel. They are all galvanized to ASTM A-153 Specification.

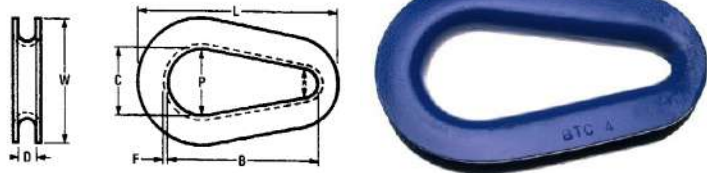
Campbell stainless regular thimbles are made of type 304 stainless steel, while the stainless heavy thimbles are made of type 316 stainless.

**IMPORTANT: Instructions For Use**

1. A thimble is a wear pad that protects the rope from cuts and kinking. Always use an appropriate thimble when making an eye in a rope.
2. When it is necessary to open a thimble to insert a fitting, make sure the points are properly aligned when the thimble is closed. Inspect carefully for cracks.
3. *Thimbles are not designed for load carrying purposes; therefore working load limits have not been established.*

### Slip-Thru Thimbles, 745-S Hot Rolled, Mild Steel

- Standard Material: Hot rolled, mild steel
- Standard Finish: Painted blue



Size No.	For Rope Dia.				Cat. No.	UPC No. 020418	Weight/100	
	in.	mm	in.	mm			lb	kg
3	7/16	11	1/2-9/16	13-14	6265402	092176	125	57
4	5/8	16	3/4	19	6265403	092183	235	107
4-Spec	5/8	16	3/4	19	6265404	092190	295	134

Style	Dimensions															
	B		C		D		F		L		P (max pin dia.)		R		W	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
3	4 7/8	124	2 1/4	57	1 1/16	17	5/32	4	6 1/2	165	2 3/16	56	1	25	4 1/2	114
4	5 7/8	149	2 9/16	65	1 3/16	21	11/64	4	8 3/16	208	2 1/2	64	1 3/16	30	5 1/8	130
4-Spec	7 5/8	194	3 5/8	92	1 3/16	21	3/16	5	9 15/16	252	3 3/16	90	1 3/16	30	6 3/8	162

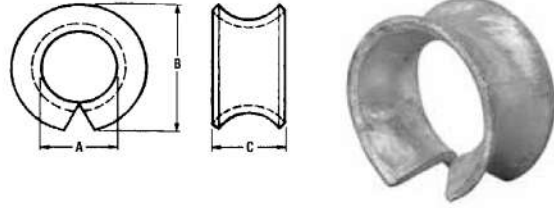
CAMPBELL CHAIN



## Thimbles

### Manila Rope Thimbles, 83-G Hot Rolled, Mild Steel

- Standard Material: Hot rolled, mild steel
- Standard Finish: Galvanized to ASTM A-153 specification
- Other Features: Meets design requirements of Federal Specifications FF-T-276B, Type 1



For Rope Dia.		Cat. No.	UPC No. 020418	Maximum Pin Dia.		Dimensions						Weight/100	
in.	mm			in.	mm	A		B		C		lb	kg
3/8	10	6260301	091827	7/16	11	1/2	13	1	25	1/2	13	3	1
1/2	13	6260302	091834	11/16	17	3/4	19	1 5/16	33	23/32	18	8	4
5/8	16	6260303	091841	13/16	21	7/8	22	1 1/2	38	3/4	19	11	5
3/4	19	6260304	091858	1 1/16	27	1 1/8	29	1 13/16	46	31/32	25	16	7
7/8	22	6260305	091865	1 1/8	29	1 3/8	30	2	51	1 1/32	26	21	10

### Regular Wire Rope Thimbles, Type 304 Stainless Steel

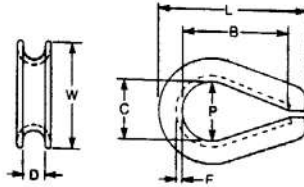
- Standard Material: Forged Type 304 Stainless Steel
- Standard Finish: Electro-polish



For Rope Dia.		Cat. No.	UPC No. 020418	Thickness		Overall Length		Inside Width		Weight/100	
in.	mm			in.	mm	in.	mm	in.	mm	lb	kg
1/8	3	6407502	095375	9/32	7	1 3/4	44	23/32	18	3	1
3/16	5	6407503	095382	11/32	9	1 3/4	44	23/32	18	3	1
1/4	6	6407504	095399	3/8	10	1 7/8	48	23/32	18	5	2
5/16	8	6407505	095405	7/16	11	2 3/32	53	27/32	21	5	2
3/8	9	6407506	095412	9/16	14	2 1/4	57	31/32	25	8	4
1/2	12	6407508	095429	21/32	17	2 1/2	64	1 5/32	29	14	6

## Thimbles

### Heavy Wire Rope Thimbles, 765-G Hot Rolled, Mild Steel



- Standard Material: Hot rolled, mild steel
- Galvanized

For Rope Dia.				Cat. No.	UPC No. 020418	Dimensions												Weight/100			
in.	mm	in.	mm			B		C		D		F		L		P (pin)		W		lb	kg
1/4	6	-	-	6260201	091711	1 5/8	41	7/8	22	9/32	7	1/16	2	2 1/8	54	1 3/16	21	1 1/2	38	7	3
5/16	8	-	-	6260202	091728	1 7/8	48	1 1/16	27	3/8	10	5/64	2	2 1/2	64	1 5/16	24	1 13/16	46	12	5
3/8	10	-	-	6260203	091735	2 1/8	54	1 1/8	29	7/16	11	7/64	3	3	76	1 1/16	27	2 1/8	54	23	10
7/16	11	-	-	6260204	091742	2 1/4	57	1 1/4	32	1/2	13	1/8	3	3 1/16	78	1 3/16	30	2 3/8	60	27	12
1/2	13	9/16	14	6260205	091759	2 3/4	70	1 1/2	38	5/8	16	9/64	4	3 5/8	92	1 7/16	37	2 11/16	68	49	22
5/8	16	-	-	6260206	091766	3 1/4	83	1 3/4	44	1 1/16	17	5/32	4	4 1/4	108	1 5/8	41	3 1/8	79	72	33
3/4	19	-	-	6260207	091773	3 3/4	95	2	51	1 3/16	21	7/32	6	5	127	1 7/8	48	3 13/16	97	141	64
7/8	22	-	-	6260208	091780	4 1/4	108	2 1/4	57	1 5/16	24	7/32	6	5 1/2	140	2 1/8	54	4 1/4	108	185	84
1	25	-	-	6260209	091797	4 1/2	114	2 1/2	64	1 1/16	27	1/4	6	6 1/8	156	2 3/8	60	4 15/16	125	300	136
1 1/8	29	1 1/4	29	6260210	091803	5 1/8	130	2 7/8	73	1 5/16	33	1/4	6	7	178	2 3/4	70	5 3/8	149	368	167
1 3/8	35	1 1/2	38	6260211	091810	6 1/4	159	3 1/2	89	1 9/16	40	1/2	13	9	229	3 3/8	86	7 1/8	181	1214	551

### Heavy Wire Rope Thimbles, Type 316 Stainless Steel



- Standard Material: Type 316 Stainless Steel
- Standard Finish: Electro-polish

For Rope Dia.		Cat. No.	UPC No. 020418	Overall						Weight/100	
in.	mm			Thickness		Length		Inside Width		lb	kg
1/4	6	6407604	095436	13/32	10	2 3/16	56	7/8	22	7.5	3
5/16	8	6407605	095443	1/2	13	2 1/2	64	1 1/16	27	14	6
3/8	9	6407606	095450	21/32	17	2 7/8	73	1 1/8	29	25	11
1/2	12	6407608	095467	27/32	21	3 5/8	92	1 1/2	38	51	23
5/8	15	6407610	095474	1	25	4 1/4	108	1 3/4	44	75	34
3/4	19	6407612	095481	1 1/4	32	5	127	2	51	147	67

**Note:** Thimbles are not designed for load carrying purposes; therefore, working load limits have not been established.

## Weldless Sling Links

### 821-S, G, A Weldless Sling Links

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING THESE LINKS.



SLING LINK

**IMPORTANT: Instructions For Use**

1. Make sure the link has a working load limit compatible with that of the chain or wire rope with which it is used.
2. Do not exceed WLL See table below.
3. The WLL can be significantly reduced under the following conditions:

- Wear and/or Distortion
- Extreme Heat
- Weld Spatter

If link is exposed to any of these conditions, discard it.

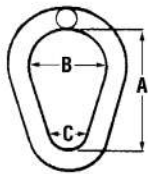
**⚠ WARNING**

- Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.
- Use links only as indicated.
- Links must always be inspected for wear and distortion before use. If worn, distorted or damaged, discard and replace.
- Do not weld on these links.
- Always stand clear of loads being lifted.

Campbell® links are all drop-forged and heat treated. Galvanizing is to ASTM A-153 specification.

Working Load Limits (lb and kg) - Links						
Size	Sling Link					
	in.	mm	Carbon WLL		Alloy WLL	
			lb	kg	lb	kg
3/8	10		1600	726	2600	1180
1/2	13		2900	1317	4000	1816
5/8	16		4200	1907	5800	2633
3/4	19		6000	2724	8200	3723
7/8	22		8300	3768	--	--
1	25		10800	4903	--	--

### 821-S, 821-G, 821-A Weldless Sling Links



- Standard Material: Drop-forged steel, heat treated
- Design Factor: 6 to 1

Size	Carbon Steel, Heat Treated														
	Blue Painted		Galvanized		Working Load Limit		Dimensions						Weight Each		
	in.	mm	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	lb	kg	A		B		C		lb
3/8	10	3625115	069703	3625135	069710	1600	726	2 1/4	57	1 1/2	38	3/4	19	.3	.14
1/2	13	3625215	069727	3625235	069734	2900	1315	3	76	2	51	1	25	.6	.27
5/8	16	3625315	069741	3625335	069758	4200	1905	3 3/4	95	2 1/2	64	1 1/4	32	1.1	.50
3/4	19	3625415	069765	3625435	069772	6000	2722	4 1/2	114	3	76	1 1/2	38	1.9	.86
7/8	22	3625515	069789	3625535	069796	8300	3765	5 1/4	133	3 1/2	89	1 3/4	44	2.9	1.32
1	25	3625615	069802	3625635	069819	10800	4899	6	152	4	102	2	51	4.4	2.00



## Eyebolts

### Eyebolts, 436-G Regular Nut

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS AND FOLLOW ALL EYEBOLT SAFETY INFORMATION PRESENTED HERE BEFORE USING EYEBOLT ASSEMBLIES.



**WARNING**

- Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.
- Loads may slip or fail if proper eyebolt assembly and lifting procedures are not used.
- A falling load can seriously injure or kill.
- Eyebolts must always be inspected for wear and distortion before use. If worn, distorted or damaged, discard and replace.
- Do not use regular nut eyebolts for angular lifting.
- Never machine, cut or grind an eyebolt.
- Always stand clear of loads being lifted.

Campbell carbon steel eyebolts are all drop-forged and normalized. Galvanizing is to ASTM A-153 specification.

**IMPORTANT: Instructions For Use**

1. Make sure the eyebolt is properly seated by screwing it down completely and tightening the nut securely against the load.
2. An eyebolt must be installed into a tapped hole with a minimum depth of two times the shank diameter.
3. Make sure the threads on the shank and in the hole are clean and undamaged.
4. Loads must always be applied parallel to the plane of the eye and never across the plane of the eye.

5. Always lift the load with a steady, even pull. Do not shock load.

6. Do not exceed working load limit (WLL). See table below. The standard WLL's are established for a vertical pull.

7. When using lifting slings having two or more legs, make sure the load on each leg is calculated based on the angular loading. The shoulder nut eyebolt with the correct WLL under those conditions must be used. For angular loading, a shoulder nut eyebolt must be used.

8. Use only the heavy hex nuts supplied with the eyebolts.

**Effect of Angular Loading on WLL of Carbon Steel, Shoulder Nut Eyebolts**

Shank Dia.	Vertical Pull WLL		75° Pull WLL		60° Pull WLL		45° Pull WLL		Less Than 45° Pull
	in.	mm	lb	kg	lb	kg	lb	kg	
3/8	10	1250	568	685	311	435	197	310	141
1/2	13	2250	568	1235	561	785	356	560	254
5/8	16	3600	1634	1980	899	1260	572	900	409
3/4	19	5200	2361	2860	1298	1820	826	1300	590

NOT RECOMMENDED

## Eyebolts

### 436-G Nut Eyebolts, Galvanized

- Standard Material: Drop-forged carbon steel
- Working load limits apply only to eyebolts in lifting or pulling applications
- Galvanizing to ASTM A-153 specification
- Note: If angular loading is necessary, eyebolts are to be used at reduced loads (see illustration)



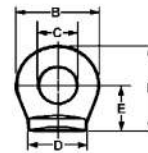
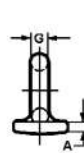
436-G Regular Nut



Shank Dimensions				Regular		Working Load Limit		Dimensions				Thread Length		Weight/100	
Dia.	Length	Cat. No.	UPC No. 020418	lb	kg	A	B	Thread Length	Weight/100	lb	kg				
in.	mm					in.	mm	in.	mm	in.	mm	lb	kg		
3/8	10	4 1/2	114	7150106	100789	1250	567	3/4	19	1 1/2	38	2 1/2	64	27 1/2	12
3/8	10	6	152	7150107	100796	1250	567	3/4	19	1 1/2	38	3	76	32	15
1/2	13	3 1/4	83	7150108	100802	2250	1021	1	25	2	51	1 1/2	38	54	25
1/2	13	6	152	7150109	100819	2250	1021	1	25	2	51	3	76	68 3/4	31
1/2	13	10	254	7150111	100833	2250	1021	1	25	2	51	3	76	88	40
1/2	13	12	305	7150112	100840	2250	1021	1	25	2	51	4	102	100	45
5/8	16	6	152	7150114	100864	3600	1633	1 1/4	32	2 1/2	64	3	76	120	54
5/8	16	8	203	7150115	100871	3600	1633	1 1/4	32	2 1/2	64	3	76	131	59
5/8	16	10	254	7150116	100888	3600	1633	1 1/4	32	2 1/2	64	3	76	152	69
5/8	16	12	305	7150117	100895	3600	1633	1 1/4	32	2 1/2	64	4	102	168	76
3/4	19	6	152	7150119	100918	5200	2359	1 1/2	38	3	76	3	76	190	86
3/4	19	8	203	7150120	100925	5200	2359	1 1/2	38	3	76	3	76	208	94
3/4	19	10	254	7150121	100932	5200	2359	1 1/2	38	3	76	3	76	230	104
3/4	19	12	305	7150122	100949	5200	2359	1 1/2	38	3	76	4	102	255	116
3/4	19	15	381	7150123	100956	5200	2359	1 1/2	38	3	76	5	127	290	132

### 20-S, Pad Eyes, Carbon Steel

- Uses: Widely used on farm machinery, trucks, steel hulled marine vessels and material handling equipment
- Standard Material: Drop-forged C-1038 carbon steel
- Standard Finish: Self-colored



Size	Cat. No.	UPC No. 020418	Dimensions												Weight/100					
			A	B	C	D	E	F	G	H	I	J	K	L	M	N	lb	kg		
in.	mm		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
1 1/2	38	7105301	100697	5/32	4	1 1/8	29	5/8	16	1	25	3/4	19	1 5/16	33	1/4	6	8	8	4
2	51	7105302	100703	3/16	5	1 1/2	38	3/4	19	1 1/16	27	7/8	22	1 5/8	41	3/8	10	17	8	8
4	102	7105303	100710	1/4	6	2 1/8	54	1	25	1 1/16	37	1 1/4	32	2 5/16	59	9/16	14	50	23	23
5	127	7105304	100727	15/16	24	2 5/8	67	1 1/4	32	1 3/4	44	1 9/16	40	2 7/8	73	1 1/16	17	93	42	42



## Eye & Eye Nuts

### Lifting Eyes & Eye Nuts

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING LIFTING EYES AND NUTS.



STAINLESS LIFTING EYE



EYE NUT

Campbell carbon eye nuts are all drop-forged and normalized. Galvanizing is to ASTM A-153 specification.

**IMPORTANT: Instructions For Use**

1. Do not exceed working load limit (WLL) as shown in the table below. The standard WLL's are established for a vertical pull. The WLL is significantly reduced when angular loading is involved as shown in the table below.
2. When using lifting slings having two or more legs, make sure the load on each leg is calculated based on the angular loading. The eye nut with the correct WLL under those conditions must be used.
3. Make sure the eye nuts are properly seated by screwing them down completely.
4. Make sure the threads in the hole are clean and undamaged.
5. Loads must always be applied parallel to the plane of the eye and never across the plane.
6. Always stand clear of the load and lift the load with a steady, even pull. Do not shock load.

**WARNING**

- Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.
- Loads may slip or fail if proper assembly and lifting procedures are not used.
- Use lifting eyes and eye nuts only as indicated.
- Lifting eyes and eye nuts must always be inspected for wear, distortion and damage before use. If worn, distorted or damaged, discard and replace.
- Always stand clear of loads being lifted.

**WLL (lb and kg) of Carbon Eye Nuts**

Size No.	Eye Nut Tap Size		Vertical Pull WLL		75° Pull WLL		60° Pull WLL		45° Pull WLL		Less Than 45° Pull
	in.	mm	lb	kg	lb	kg	lb	kg	lb	kg	
1, 1A	5/16	8	850	386	465	211	295	134	210	95	
2	3/8	10	1250	567	685	311	435	197	310	141	
3	7/16	11	1650	748	905	411	575	261	410	186	
3, 3A	1/2	13	2250	1021	1235	561	785	356	560	254	NOT RECOMMENDED
6	7/8	22	7200	3266	3960	1798	2520	1144	1800	817	
8	1 1/4	32	15200	6895	8360	3795	5320	2415	3800	1725	
10	1 1/2	38	21400	9707	11770	5344	7490	3400	5350	2429	

**WLL (lb and kg) of Stainless Steel Lifting Eyes**

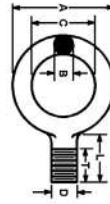
Size No.	Eye Nut Tap Size		Vertical Pull WLL		75° Pull WLL		60° Pull WLL		45° Pull WLL		Less Than 45° Pull
	in.	mm	lb	kg	lb	kg	lb	kg	lb	kg	
5	1/2	13	2150	976	1180	536	750	341	535	243	
6	5/8	16	3440	1562	1890	858	1200	545	860	390	NOT RECOMMENDED
7	3/4	19	5140	2334	2825	1283	1795	815	1285	583	
9	1	25	9370	4254	5150	2338	3275	1487	2340	1062	

## Lifting Eyes

### Lifting Eyes, M-41-ST Drop-forged Type 316 Stainless Steel

- Standard Material: Forged Type 316 Stainless Steel
- Standard Finish: Electro-polish

Size No.	Cat. No.	UPC No. 020418	Working Load Limit		Weight Each	
			lb	kg	lb	kg
5	6407104	095320	2150	975	.25	.11
6	6407105	095337	3440	1560	.66	.30
7	6407106	095344	5140	2332	.86	.39
9	6407107	095351	9370	4250	1.82	.83

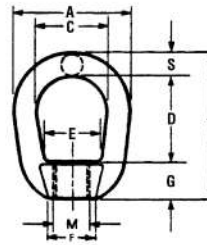


Size No.	D		L		A		C		B		T	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
5	1/2	13	3/4	19	2	50	1	25	1/2	13	5/8	16
6	5/8	16	1	25	2 1/2	64	1 1/4	32	5/8	16	3/4	19
7	3/4	19	1	25	2 13/16	71	1 1/2	38	21/32	17	7/8	22
9	1	25	1 1/16	37	3 9/16	90	1 13/16	46	7/8	22	1 1/16	27

### Eye Nuts, 776-G Drop-forged Carbon Steel, Normalized

- Standard Material: Drop-forged carbon steel normalized
- Standard Finish: Galvanized to ASTM A-153 specification
- Design Factor: 5 to 1

Size No.	Cat. No.	UPC No. 020418	Working Load Limit		Tap Size M UNC-2B		Weight/100	
			lb	kg	in.	mm	lb	kg
1A	7100102	100413	850	386	5/16	8	8	4
2	7100103	100420	1250	567	3/8	10	13	6
3	7100104	100437	1650	748	7/16	11	25	11
3A	7100105	100444	2250	1021	1/2	13	25	11
4	7100106	100451	3600	1633	5/8	16	55	25
5	7100107	100468	5200	2359	3/4	19	113	51
6	7100108	100475	7200	3266	7/8	22	153	69
7	7100109	100482	10000	4536	1	25	275	125
8	7100111	100505	15200	6895	1 1/4	32	363	165
10	7100112	100512	21400	9707	1 1/2	38	656	298



Size No.	A		C		D		E		F		G		S		T	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
1A	1 1/4	32	3/4	19	1 1/16	27	1 9/32	15	1/2	13	1 1/32	9	1/4	6	1 21/32	42
2	1 5/8	41	1	25	1 17/64	32	3/4	19	9/16	14	1 5/32	12	5/16	8	2 3/64	52
3	2	51	1 1/4	32	1 1/2	38	1	25	1 3/16	21	1 9/32	15	3/8	10	2 15/32	63
3A	2	51	1 1/4	32	1 1/2	38	1	25	1 3/16	21	1 9/32	15	3/8	10	2 15/32	63
4	2 1/2	64	1 1/2	38	2 1/32	51	1 3/16	30	1	25	3/4	19	1/2	13	3 9/32	83
5	3	76	1 3/4	44	2 7/16	62	1 7/16	36	1 1/4	32	7/8	22	5/8	16	3 15/16	100
6	3 1/2	89	2	51	2 9/16	65	1 5/8	41	1 3/8	35	1	25	3/4	19	4 5/16	110
7	4	100	2 1/4	56	3 1/16	75	1 15/16	48	1 5/8	41	1 1/4	32	7/8	22	5 3/16	130
8	4 1/2	114	2 1/2	64	3 1/2	89	2 1/8	54	1 13/16	46	1 5/16	33	1	25	5 13/16	148
10	5 5/8	143	3 1/8	79	4 1/16	103	2 1/2	64	2 1/4	57	1 1/2	38	1 1/4	32	6 13/16	173

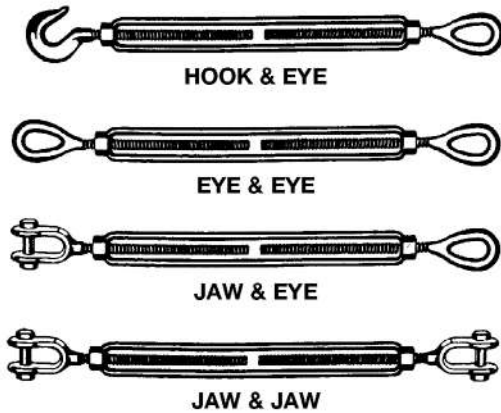
## Turnbuckles

### Turnbuckles

- 778-G Hook & Eye
- 780-G Eye & Eye
- 786-G Jaw & Eye
- M-16-ST Stainless Jaw & Jaw

- 788-G Jaw & Jaw

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING TURNBUCKLES.



#### IMPORTANT: Instructions For Use

1. Turnbuckles are designed for a static load and are typically used with guy wires.
2. Do not exceed working load limit (WLL). See table below.

#### Working Load Limits (lb and kg) of Turnbuckles

Turnbuckle Size in.	Carbon Eye & Eye Jaw & Eye Jaw & Jaw		Stainless Eye & Eye Jaw & Eye Jaw & Jaw		Carbon Hook & Hook Hook & Eye	
	lb	kg	lb	kg	lb	kg
1/4 x 4	500	227	500	227	400	182
5/16 x 4 1/2	800	363	800	363	700	318
3/8 x 6	1200	545	1200	545	1000	454
1/2 x 6, 9, 12	2200	999	2200	999	1500	681
5/8 x 6, 9, 12, 18	3500	1589	3500	1589	2300	1044
3/4 x 6, 9, 12, 18, 24	5200	2361	5200	2361	3000	1362
7/8 x 12, 18	7200	3269	*	*	3600	1634
1 x 6, 12, 18, 24	10000	4540	10000	4540	4200	1907
1 1/4 x 12, 18, 24	15200	6901	*	*	5000	2270

\*Item not manufactured

**⚠ WARNING**

- Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.
- Use turnbuckles only as indicated.
- Turnbuckles must always be inspected for wear, distortion, cracks and damage before use. If worn, distorted or damaged, discard and replace.
- Turnbuckles are not designed for angular loading, so the loading must be applied in a straight line.

Campbell carbon turnbuckles are all drop-forged and meet the design requirements of Federal Specification ASTM F-1145, Type 1, Grade 1. All types, except stub-end, are galvanized to ASTM A153 specifications.

Campbell stainless turnbuckles are all drop-forged, made of type 316 stainless steel, and have an electro-polished finish.

3. Stub End Turnbuckles are not rated. The rating is only as good as the weld or connection method.



LOCK NUT

4. In loads where there is vibration, lock nuts (jam nuts) should be used to prevent the connection from turning or loosening.

5. The jaw ends come with different hardware depending on their size. Jaws from 1/4" through 5/8" have a hex head bolt and nut. Jaws from 3/4" through 1 1/2" have cotter key and bolt.



## Turnbuckles

### Hook & Eye Turnbuckles, 778-G Drop-forged Carbon Steel



- Standard Material: Drop-forged carbon steel
- Standard Finish: Galvanized to ASTM A-153 specification
- Design Factor: 5 to 1
- Other Features: Meets design requirements of ASTM F1145, Type 1, Grade 1, Class F

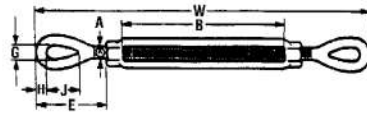


Cat. No.	UPC No. 020418	Working Load Limit		Dimensions				(Closed Position) W (Length)		Weight/100	
		lb	kg	A (Thread Dia.)		B (Take Up)		in.	mm	lb	kg
				in.	mm	in.	mm	in.	mm		
6250101	086564	400	181	1/4	6	4	102	7 13/16	198	29	13
6250102	086571	700	318	5/16	8	4 1/2	114	9 3/8	238	47	21
6250103	086588	1000	454	3/8	10	6	152	11 5/8	295	85	39
6250105	086595	1500	680	1/2	13	6	152	13 1/4	333	160	73
6250106	086601	1500	680	1/2	13	9	229	16 1/4	410	226	103
6250107	086618	1500	680	1/2	13	12	305	19 1/8	486	245	111
6250111	086649	2300	1043	5/8	16	12	305	20 9/16	522	371	168

### Eye & Eye Turnbuckles, 780-G Drop-forged Carbon Steel



- Standard Material: Drop-forged carbon steel
- Standard Finish: Galvanized to ASTM A-153 specification
- Design Factor: 5 to 1
- Other Features: Meets design requirements of ASTM F1145, Type 1, Grade 1, Class D

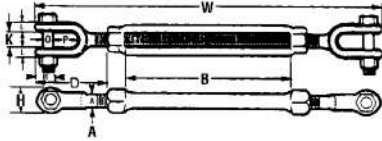


Cat. No.	UPC No. 020418	Working Load Limit		Dimensions				(Closed Pos.) W (Length)				Weight/100							
		lb	kg	A (Dia.)		B (Take Up)		E		G		H		J					
				in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg		
6250302	087059	800	363	5/16	8	4 1/2	114	9 7/16	240	2	51	15 1/32	12	3/32	7	15/16	24	45	20
6250303	087066	1200	544	3/8	10	6	152	11 13/16	300	2 11/32	60	9/16	14	11/32	9	1 1/8	29	84	38
6250305	087073	2200	998	1/2	13	6	152	13 7/16	341	2 31/32	75	3/4	19	1/16	11	1 1/16	37	156	71
6250306	087080	2200	998	1/2	13	9	229	16 7/16	418	2 31/32	75	3/4	19	7/16	11	1 1/16	37	198	90
6250307	087097	2200	998	1/2	13	12	305	19 7/16	494	2 31/32	75	3/4	19	7/16	11	1 1/16	37	246	112
6250309	087103	3500	1588	5/8	16	6	152	14 7/8	378	3 1/2	89	29 3/32	23	1/2	13	1 3/4	44	256	116
6250310	087110	3500	1588	5/8	16	9	229	17 7/8	454	3 1/2	89	29 3/32	23	1/2	13	1 3/4	44	310	141
6250311	087127	3500	1588	5/8	16	12	305	20 7/8	530	3 1/2	89	29 3/32	23	1/2	13	1 3/4	44	350	159
6250313	087141	5200	2359	3/4	19	6	152	16 3/4	425	4 1/4	108	1 1/32	26	5/8	16	2 1/8	54	380	173
6250314	087158	5200	2359	3/4	19	9	229	19 3/4	502	4 1/4	108	1 1/32	26	5/8	16	2 1/8	54	458	208
6250315	087165	5200	2359	3/4	19	12	305	22 3/4	578	4 1/4	108	1 1/32	26	5/8	16	2 1/8	54	574	261
6250316	087172	5200	2359	3/4	19	18	457	28 3/4	730	4 1/4	108	1 1/32	26	5/8	16	2 1/8	54	700	318
6250324	087240	10000	4536	1	25	24	610	38 1/2	978	5 3/4	146	1 15/32	37	7/8	22	3	76	1600	726
6250328	087264	15200	6895	1 1/4	32	18	457	35 3/8	899	7	178	1 27/32	47	1 1/8	29	3 3/16	90	2500	1135

CAMPBELL CHAIN

## Turnbuckles

### Jaw & Jaw Turnbuckles, 788-G Drop-forged Carbon Steel



- Standard Material: Drop-forged carbon steel
- Standard Finish: Galvanized to ASTM A-153 specification
- Design Factor: 5 to 1
- Other Features: Meets design requirements of Federal Specification ASTM F1145, Type 1, Grade 1, Class G
- Jaws on sizes 1/4 through 5/8 have hex head bolt and nut.
- Jaws on sizes 3/4 through 1-1/2 have cotter key and bolt

Cat. No.	UPC No. 020418	Working Load Limit		Dimensions				(Closed Position) Length		Weight/100	
		lb	kg	Thread Dia. (A)	Take Up (B)		in.	mm	lb	kg	
				in.	mm	in.	mm	in.	mm		
6250501	087646	500	227	1/4	6	4	102	7 15/16	202	35	16
6250502	087653	800	363	5/16	8	4 1/2	114	9 5/16	237	51	23
6250503	087660	1200	544	3/8	10	6	152	11 3/16	284	94	43
6250505	087677	2200	998	1/2	13	6	152	12 3/4	324	170	77
6250506	087684	2200	998	1/2	13	9	229	15 3/4	400	215	98
6250507	087691	2200	998	1/2	13	12	305	18 3/4	476	265	120
6250510	087714	3500	1588	5/8	16	9	229	17 3/4	451	349	158
6250511	087721	3500	1588	5/8	16	12	305	20 3/4	527	400	182
6250513	087745	5200	2359	3/4	19	6	152	15 3/4	400	443	201
6250514	087752	5200	2359	3/4	19	9	229	18 3/4	476	518	235
6250515	087769	5200	2359	3/4	19	12	305	21 3/4	552	633	287
6250516	087776	5200	2359	3/4	19	18	457	27 3/4	705	760	345
6250519	087790	7200	3266	7/8	22	12	305	23 3/8	594	837	380
6250520	087806	7200	3266	7/8	22	18	457	29 3/8	746	1208	548
6250521	087813	10000	4536	1	25	6	152	19 7/16	494	947	430
6250522	087820	10000	4536	1	25	12	305	25 7/16	646	1290	586
6250523	087837	10000	4536	1	25	18	457	31 7/16	799	1560	708
6250524	087844	10000	4536	1	25	24	610	37 7/16	951	1785	810
6250527	087851	15200	6895	1 1/4	32	12	305	27 1/2	699	2140	972
6250528	087868	15200	6895	1 1/4	32	18	457	33 1/2	851	2560	1162
6250529	087875	15200	6895	1 1/4	32	24	610	39 1/2	1003	3100	1407
6250533	087899	21400	9707	1 1/2	38	18	457	37 1/4	946	3700	1680
6250534	163890	21400	9707	1 1/2	38	24	610	43 1/4	1099	4100	1861





Turnbuckles

Jaw & Jaw Turnbuckles, 788-G Drop-forged Carbon Steel

CAMPBELL CHAIN

Cat. No.	D		H		K		L		M		Q		P	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
6250501	1 <sup>19</sup> / <sub>32</sub>	40	5 <sup>1</sup> / <sub>8</sub>	16	1 <sup>13</sup> / <sub>32</sub>	10	3 <sup>1</sup> / <sub>16</sub>	5	1 <sup>15</sup> / <sub>32</sub>	12	1 <sup>1</sup> / <sub>4</sub>	6	3 <sup>1</sup> / <sub>4</sub>	16
6250502	1 <sup>15</sup> / <sub>16</sub>	49	1 <sup>11</sup> / <sub>16</sub>	17	1 <sup>1</sup> / <sub>2</sub>	13	3 <sup>1</sup> / <sub>16</sub>	5	1 <sup>1</sup> / <sub>2</sub>	13	1 <sup>1</sup> / <sub>4</sub>	6	3 <sup>1</sup> / <sub>4</sub>	19
6250503	2 <sup>1</sup> / <sub>32</sub>	52	7 <sup>1</sup> / <sub>8</sub>	22	1 <sup>1</sup> / <sub>2</sub>	13	1 <sup>1</sup> / <sub>4</sub>	6	9 <sup>1</sup> / <sub>16</sub>	14	5 <sup>1</sup> / <sub>16</sub>	8	1 <sup>13</sup> / <sub>16</sub>	21
6250505	2 <sup>5</sup> / <sub>8</sub>	67	1 <sup>3</sup> / <sub>16</sub>	30	5 <sup>1</sup> / <sub>8</sub>	16	5 <sup>1</sup> / <sub>16</sub>	8	3 <sup>1</sup> / <sub>4</sub>	19	3 <sup>1</sup> / <sub>8</sub>	10	1 <sup>1</sup> / <sub>16</sub>	27
6250506	2 <sup>5</sup> / <sub>8</sub>	67	1 <sup>3</sup> / <sub>16</sub>	30	5 <sup>1</sup> / <sub>8</sub>	16	5 <sup>1</sup> / <sub>16</sub>	8	3 <sup>1</sup> / <sub>4</sub>	19	3 <sup>1</sup> / <sub>8</sub>	10	1 <sup>1</sup> / <sub>16</sub>	27
6250507	2 <sup>5</sup> / <sub>8</sub>	67	1 <sup>3</sup> / <sub>16</sub>	30	5 <sup>1</sup> / <sub>8</sub>	16	5 <sup>1</sup> / <sub>16</sub>	8	3 <sup>1</sup> / <sub>4</sub>	19	3 <sup>1</sup> / <sub>8</sub>	10	1 <sup>1</sup> / <sub>16</sub>	27
6250510	3 <sup>1</sup> / <sub>8</sub>	86	1 <sup>3</sup> / <sub>8</sub>	35	3 <sup>1</sup> / <sub>4</sub>	19	7 <sup>1</sup> / <sub>16</sub>	11	1 <sup>15</sup> / <sub>16</sub>	24	1 <sup>1</sup> / <sub>2</sub>	13	1 <sup>3</sup> / <sub>8</sub>	35
6250511	3 <sup>1</sup> / <sub>8</sub>	86	1 <sup>3</sup> / <sub>8</sub>	35	3 <sup>1</sup> / <sub>4</sub>	19	7 <sup>1</sup> / <sub>16</sub>	11	1 <sup>15</sup> / <sub>16</sub>	24	1 <sup>1</sup> / <sub>2</sub>	13	1 <sup>3</sup> / <sub>8</sub>	35
6250513	3 <sup>1</sup> / <sub>4</sub>	95	1 <sup>13</sup> / <sub>16</sub>	46	1 <sup>15</sup> / <sub>16</sub>	24	1 <sup>15</sup> / <sub>32</sub>	12	1 <sup>3</sup> / <sub>16</sub>	30	5 <sup>1</sup> / <sub>8</sub>	16	1 <sup>1</sup> / <sub>2</sub>	38
6250514	3 <sup>1</sup> / <sub>4</sub>	95	1 <sup>13</sup> / <sub>16</sub>	46	1 <sup>15</sup> / <sub>16</sub>	24	1 <sup>15</sup> / <sub>32</sub>	12	1 <sup>3</sup> / <sub>16</sub>	30	5 <sup>1</sup> / <sub>8</sub>	16	1 <sup>1</sup> / <sub>2</sub>	38
6250515	3 <sup>1</sup> / <sub>4</sub>	95	1 <sup>13</sup> / <sub>16</sub>	46	1 <sup>15</sup> / <sub>16</sub>	24	1 <sup>15</sup> / <sub>32</sub>	12	1 <sup>3</sup> / <sub>16</sub>	30	5 <sup>1</sup> / <sub>8</sub>	16	1 <sup>1</sup> / <sub>2</sub>	38
6250516	3 <sup>1</sup> / <sub>4</sub>	95	1 <sup>13</sup> / <sub>16</sub>	46	1 <sup>15</sup> / <sub>16</sub>	24	1 <sup>15</sup> / <sub>32</sub>	12	1 <sup>3</sup> / <sub>16</sub>	30	5 <sup>1</sup> / <sub>8</sub>	16	1 <sup>1</sup> / <sub>2</sub>	38
6250519	4 <sup>1</sup> / <sub>8</sub>	111	2	51	1 <sup>1</sup> / <sub>8</sub>	29	1 <sup>19</sup> / <sub>32</sub>	15	1 <sup>3</sup> / <sub>8</sub>	35	3 <sup>1</sup> / <sub>4</sub>	19	1 <sup>3</sup> / <sub>4</sub>	44
6250520	4 <sup>1</sup> / <sub>8</sub>	111	2	51	1 <sup>1</sup> / <sub>8</sub>	29	1 <sup>19</sup> / <sub>32</sub>	15	1 <sup>3</sup> / <sub>8</sub>	35	3 <sup>1</sup> / <sub>4</sub>	19	1 <sup>3</sup> / <sub>4</sub>	44
6250521	5 <sup>1</sup> / <sub>32</sub>	133	2 <sup>3</sup> / <sub>16</sub>	56	1 <sup>3</sup> / <sub>16</sub>	30	3 <sup>1</sup> / <sub>4</sub>	19	1 <sup>9</sup> / <sub>16</sub>	40	7 <sup>1</sup> / <sub>8</sub>	22	2 <sup>1</sup> / <sub>16</sub>	52
6250522	5 <sup>1</sup> / <sub>32</sub>	133	2 <sup>3</sup> / <sub>16</sub>	56	1 <sup>3</sup> / <sub>16</sub>	30	3 <sup>1</sup> / <sub>4</sub>	19	1 <sup>9</sup> / <sub>16</sub>	40	7 <sup>1</sup> / <sub>8</sub>	22	2 <sup>1</sup> / <sub>16</sub>	52
6250523	5 <sup>1</sup> / <sub>32</sub>	133	2 <sup>3</sup> / <sub>16</sub>	56	1 <sup>3</sup> / <sub>16</sub>	30	3 <sup>1</sup> / <sub>4</sub>	19	1 <sup>9</sup> / <sub>16</sub>	40	7 <sup>1</sup> / <sub>8</sub>	22	2 <sup>1</sup> / <sub>16</sub>	52
6250524	5 <sup>1</sup> / <sub>32</sub>	133	2 <sup>3</sup> / <sub>16</sub>	56	1 <sup>3</sup> / <sub>16</sub>	30	3 <sup>1</sup> / <sub>4</sub>	19	1 <sup>9</sup> / <sub>16</sub>	40	7 <sup>1</sup> / <sub>8</sub>	22	2 <sup>1</sup> / <sub>16</sub>	52
6250527	6 <sup>1</sup> / <sub>16</sub>	154	2 <sup>1</sup> / <sub>8</sub>	73	1 <sup>3</sup> / <sub>4</sub>	44	7 <sup>1</sup> / <sub>8</sub>	22	2	51	1 <sup>1</sup> / <sub>8</sub>	29	2 <sup>1</sup> / <sub>16</sub>	62
6250528	6 <sup>1</sup> / <sub>16</sub>	154	2 <sup>1</sup> / <sub>8</sub>	73	1 <sup>3</sup> / <sub>4</sub>	44	7 <sup>1</sup> / <sub>8</sub>	22	2	51	1 <sup>1</sup> / <sub>8</sub>	29	2 <sup>1</sup> / <sub>16</sub>	62
6250529	6 <sup>1</sup> / <sub>16</sub>	154	2 <sup>1</sup> / <sub>8</sub>	73	1 <sup>3</sup> / <sub>4</sub>	44	7 <sup>1</sup> / <sub>8</sub>	22	2	51	1 <sup>1</sup> / <sub>8</sub>	29	2 <sup>1</sup> / <sub>16</sub>	62
6250533	8 <sup>1</sup> / <sub>2</sub>	216	3 <sup>1</sup> / <sub>4</sub>	83	2 <sup>1</sup> / <sub>16</sub>	52	1 <sup>1</sup> / <sub>2</sub>	28	2 <sup>5</sup> / <sub>16</sub>	59	1 <sup>3</sup> / <sub>8</sub>	35	2 <sup>13</sup> / <sub>16</sub>	71
6250534	8 <sup>1</sup> / <sub>2</sub>	216	3 <sup>1</sup> / <sub>4</sub>	83	2 <sup>1</sup> / <sub>16</sub>	52	1 <sup>1</sup> / <sub>2</sub>	28	2 <sup>5</sup> / <sub>16</sub>	59	1 <sup>3</sup> / <sub>8</sub>	35	2 <sup>13</sup> / <sub>16</sub>	71

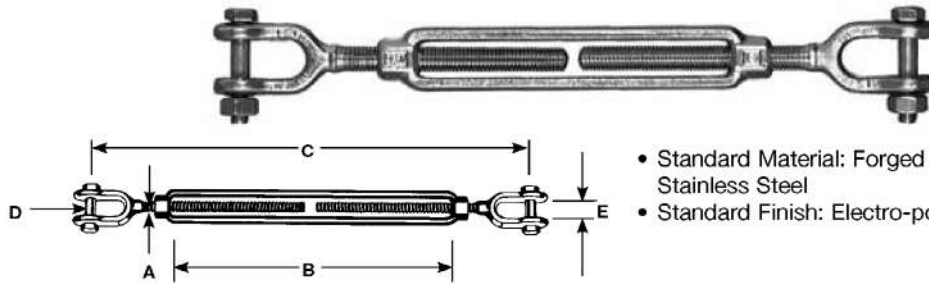


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## Turnbuckles

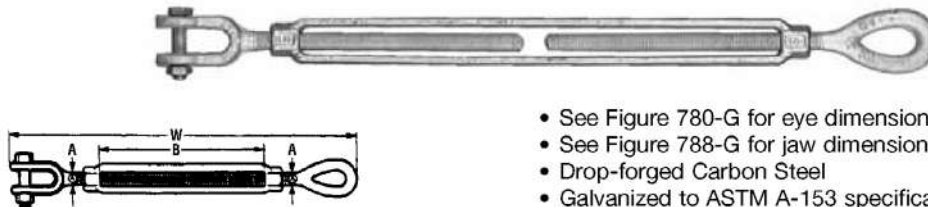
### Jaw & Jaw Turnbuckles, M-16-ST Drop-forged Type 316 Stainless Steel



- Standard Material: Forged Type 316 Stainless Steel
- Standard Finish: Electro-polish

Cat. No.	UPC No. 020418	Dimensions		Take Up (B)		Length (C)		Pin Dia. (D)		Jaw Opening (E)		Weight Each		Working Load Limit	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg	lb	kg
6401203	093456	3/8	10	6	152	10 3/4	273	5/16	8	9/16	14	3/4	0.3	1200	545
6401204	093463	1/2	13	6	152	12	305	3/8	9	5/8	16	1 1/2	0.7	2200	999
6401210	093487	3/4	19	6	152	15 1/2	394	9/16	16	1	25	5	2.2	5200	2361

### Jaw & Eye Turnbuckles, 786-G Drop-forged Carbon Steel



- See Figure 780-G for eye dimensions
- See Figure 788-G for jaw dimensions
- Drop-forged Carbon Steel
- Galvanized to ASTM A-153 specifications
- Design factor 5 to 1

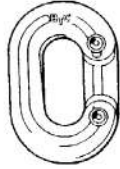
Cat. No.	UPC No. 020418	Working Load Limit		Dimensions		Take Up (B)		(Closed Position) Length (W)		Weight/100	
		lb	kg	Thread Dia. (A) in.	mm	in.	mm	in.	mm	lb	kg
6250401	087387	500	227	1/4	6	4	102	7 7/8	200	33	15
6250402	087394	800	363	5/16	8	4 1/2	114	9 3/8	238	48	22
6250403	087400	1200	544	3/8	10	6	152	11 1/16	294	90	41
6250405	087417	2200	998	1/2	13	6	152	13 1/8	333	164	74
6250406	087424	2200	998	1/2	13	9	229	16 1/8	410	208	94
6250407	087431	2200	998	1/2	13	12	305	19 1/8	486	257	117
6250409	087448	3500	1588	5/8	16	6	152	14 1/8	378	265	120
6250411	087462	3500	1588	5/8	16	12	305	20 13/16	529	380	173
6250422	087561	10000	4536	1	25	12	305	26	660	1206	548
6250427	087592	15200	6895	1 1/4	32	12	305	28 3/16	725	1980	899

## Connecting Links

## Connecting Links

**752-S, G, A Regular**  
**753-S Pear Shaped**  
**Stainless Regular**

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING CONNECTED LINKS.



**REGULAR CONNECTING LINK**



**PEAR SHAPED CONNECTING LINK**

Campbell carbon and alloy steel connecting links are all drop-forged and heat treated. Galvanizing is to ASTM A-153 specification.

Campbell stainless connecting links are all drop-forged and made of 316 Stainless Steel, and have an electro-polished finish.

Connecting links are used to connect two pieces of chain or to connect a fitting to a chain.

**⚠ WARNING**

- Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.
- Use connecting links only as indicated.
- Do not use connecting links for overhead lifting.
- Never re-use connecting links.
- Connecting links must always be inspected for wear, distortion and tightness before use. If worn, distorted or damaged, discard and replace.

**IMPORTANT: Instructions For Use**

1. Make sure the connecting link used is the same size as the components being joined, e.g., a 3/8 in. connecting link is used with 3/8 in. chain.
2. To effectively close the connecting link,peen the prongs (using a ball peen hammer) to fill the hole of the mating half as much as possible.
3. Any assembly made using connecting links should be rated at the working load limit (WLL) of the weakest component.
4. Do not exceed WLL. See table below.
5. The WLL of connecting links is based on a straight line pull. Any side or shock loading will significantly reduce the actual WLL.

Working Load Limits (lbs and kg) - Connecting Links							
Size		Regular				Pear Shaped Carbon Steel	
		Carbon Steel WLL		Alloy WLL		WLL	
in.	mm	lb	kg	lb	kg	lb	kg
1/4	6	1400	636	*		*	
5/16	8	2000	908	3000	1362	*	
3/8	10	2800	1271	4200	1907	1850	840
1/2	13	4750	2157	7000	3178	3300	1498
5/8	16	7250	3292	10800	4903	5000	2270
3/4	19	10250	4654	15000	6810	7100	3223
7/8	22	--	--	--	--	9600	4358
1	25	15500	7037	--	--	*	

\*Item not manufactured.

## Connecting Links

### 752-S, 752-G, 752-A Connecting Links, Carbon Steel and Alloy Steel



- Standard Material: Forged carbon and alloy steel - Heat Treated
- Standard Finish: Self-colored or galvanized
- Design Factor: 4 to 1
- For effective closurepeen to fill eye of mating half as much as possible
- Meets design requirements of Federal Specification RR-C-271D, Type II

CAMPBELL CHAIN

Carbon Steel, Heat Treated																	
Size in. mm	Self Colored		Galvanized		Working Load Limit		Dimensions								Links Per Box	Weight/ 100	
	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	lb	kg	A		B		C		D			lb	kg
1/4 6	5200404	074677	5200434	074684	1400	635	1	25	1 1/2	38	7/16	11	1/8	22	10	6	3
5/16 8	5200504	074691	5200534	074707	2000	907	1 3/16	30	1 3/4	44	1/2	13	1	25	10	10	5
3/8 10	5200604	074714	5200634	074721	2800	1270	1 3/8	35	2 1/8	54	9/16	14	1 1/8	29	10	18	8
1/2 13	5200804	074752	5200834	074769	4750	2155	1 23/32	44	2 11/16	68	2 1/32	17	1 7/16	37	10	38	17
5/8 16	5201004	074790	5201034	074806	7250	3289	2 1/8	54	3 3/8	86	1 3/16	21	1 7/8	48	10	72	33
3/4 19	-	-	5201234	074820	10250	4649	2 1/2	64	3 7/8	98	3 1/32	25	2 1/8	54	5	112	51

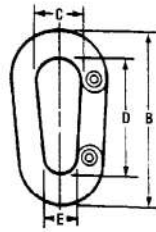
Alloy Steel, Heat Treated																	
Size in. mm	Self Colored		Working Load Limit		Dimensions								Links Per Box	Weight/ 100			
	Cat. No.	UPC No. 020418	lb	kg	A		B		C		D			lb	kg		
3/8 10	5208605	075018	4200	1905	1 3/8	35	2 1/8	54	9/16	14	1 1/8	29	10	18	8		
1/2 13	5208805	075032	7000	3175	1 23/32	44	2 11/16	68	2 1/32	17	1 7/16	37	10	38	17		
5/8 16	5209005	075049	10800	4899	2 1/8	54	3 3/8	86	1 3/16	21	1 7/8	48	10	72	33		
3/4 19	5209205	075056	15000	6804	2 1/2	64	3 7/8	98	3 1/32	25	2 1/8	54	5	112	51		



## Connecting Links

### 753-S, 753-G Pear Shaped Connecting Links

- Standard Material: Forged carbon and alloy steel - Heat Treated
- Standard Finish: Self-colored or galvanized
- Design Factor: 4 to 1
- For effective closure,peen to fill mating half as much as possible



CAMPBELL CHAIN

Carbon Steel, Heat Treated														
Size in. mm	Galvanized		Working Load Limit		Dimensions								Weight/100	
	Cat. No.	UPC No. 020418	lb	kg	B		C		D		E		lb	kg
3/8 10	5205634	074912	1850	839	2 15/16	75	1 3/16	21	2	51	9/16	14	25	11
1/2 13	5205834	074936	3300	1497	3 5/8	92	1	25	2 1/2	64	1 1/16	17	45	20
5/8 16	5206035	074950	5000	2268	4 1/4	108	1 1/8	29	2 3/4	70	1 3/16	21	91	41
3/4 19	5206235	074974	7100	3221	4 7/8	124	1 1/4	32	3 1/8	79	1	25	130	59
7/8 22	5206435	074998	9600	4355	5 1 1/16	144	1 1/2	38	3 1 1/16	94	1 1/4	32	220	100

Alloy Steel, Heat Treated														
Size in. mm	Galvanized		Working Load Limit		Dimensions								Weight/100	
	Cat. No.	UPC No. 020418	lb	kg	B		C		D		E		lb	kg
3/8 10	5203635	074899	3000	1361	2 15/16	75	1 3/16	21	2	51	9/16	14	25	11
1/2 13	5203835	179822	5000	2268	3 5/8	92	1	25	2 1/2	64	1 1/16	17	45	20

## Grab/Slip Hooks

### Grab/Slip Hooks

477-A Eye Grab; 473-A Clevis Grab; 474-A Eye Slip; 476-A Clevis Slip

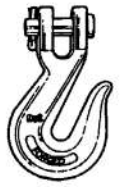
READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING GRAB AND SLIP HOOKS.



**EYE GRAB HOOK**



**EYE SLIP HOOK**



**CLEVIS GRAB HOOK**



**CLEVIS SLIP HOOK**

Campbell grab and slip hooks are all drop-forged and heat treated. The alloy eye grab hooks meet the design requirements of Federal Specification RR-C-271.

**IMPORTANT: Instructions For Use**

1. These hooks are designed to engage chain and are sized by the material diameter of the chain that they engage. Make sure hook size and chain diameter are compatible before lifting load.
2. Grab hooks are designed to grab a chain link and hold it in place.
3. Slip hooks are designed to allow chain to slip through the hook.
4. Only use genuine Campbell parts when replacing clevis pins and cotter keys.
5. Do not exceed working load limit (WLL). See table below.

**⚠ WARNING**

- Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.
- Use these hooks only as indicated.
- **Never** point load a hook.
- Do not use hooks for lifting personnel.
- Hooks must always be inspected for wear, distortion and damage before use. If worn, distorted or damaged, discard and replace.
- Always stand clear of loads being lifted.

Working Load Limits (lb and kg) – Hooks									
System 4 Heat Treated				Alloy					
Size		Eye & Clevis Grab, Clevis Slip		Eye & Clevis Grab		Clevis Slip			
		WLL		WLL		WLL			
in.	mm	lb	kg	lb	kg	lb	kg		
1/4	6	2600	1180	4100	1861	4100	1861		
5/16	8	3900	1771	5100	2315	5100	2315		
3/8	10	5400	2452	7100	3223	7300	3314		
7/16	11	7200	3269	10000	4540	10000	4540		
1/2	13	9200	4177	12000	5448	13000	5902		
5/8	16	11500	5221	18100	8217	20300	9216		
3/4	19	16200	7355	28300	12848	-	-		

CAMPBELL CHAIN

## Grab/Slip Hooks

### Eye Grab Hooks, Grade 43, (Import)

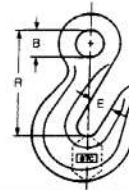
- Forged steel
- Grade 43
- Zinc plated
- UPC tagged



Size		Description	Finish	Hook Style	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight		Working Load Limit	
in	mm								lb	kg	lb	kg
1/4	6	Eye Grab Hook, Grade 43	Zinc Plated	Eye	T9001424	222139	10	100	40	18	2,600	1,179
5/16	8	Eye Grab Hook, Grade 43	Zinc Plated	Eye	T9001524	222146	10	50	30	13	3,900	1,769
3/8	10	Eye Grab Hook, Grade 43	Zinc Plated	Eye	T9001624	222153	10	50	45	20	5,400	2,449
1/2	13	Eye Grab Hook, Grade 43	Zinc Plated	Eye	T9001824	222122	5	20	36	16	9,200	4,173

### 477-A Eye Grab Hooks

- Drop-forged alloy steel
- Standard Finish: Alloy hooks are heat treated, and self-colored
- Alloy hooks meet the design requirements of Federal Specification RR-C-271
- Order unit is "Each"



Chain Size		Alloy, Self-colored (Bulk)		Working Load Limit		Dimensions						Weight Each	
in	mm	Cat. No.	UPC No. 020418	lb	kg	B		E		R		lb	kg
						in	mm	in	mm	in	mm		
1/4	6	4110415	073175	4100	1860	17/32	13	11/32	9	1 7/8	48	.27	.12
5/16	8	4110515	073182	5100	2312	19/32	15	7/16	11	2 3/16	56	.47	.21
3/8	10	4110615	073199	7100	3221	3/4	19	1/2	13	2 13/32	61	.71	.32
1/2	13	4110815	073212	12000	5443	1 1/8	29	2 1/32	17	3 3/8	86	1.73	.79

### Eye Slip Hooks, Grade 43, (Import)

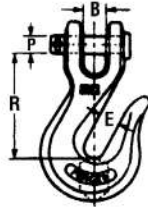
- Forged steel
- Grade 43
- Zinc plated
- UPC tagged



Size		Description	Finish	Hook Style	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight		Working Load Limit	
in	mm								lb	kg	lb	kg
1/4	6	Eye Slip Hook, Grade 43	Zinc Plated	Eye	T9101424	222177	10	100	40	18	2,600	1,179
5/16	8	Eye Slip Hook, Grade 43	Zinc Plated	Eye	T9101524	222184	10	50	30	13	3,900	1,769
3/8	10	Eye Slip Hook, Grade 43	Zinc Plated	Eye	T9101624	222191	10	50	50	22	5,400	2,449
1/2	13	Eye Slip Hook, Grade 43	Zinc Plated	Eye	T9101824	222160	5	20	52	23	9,200	4,173

## Grab Hooks

### Clevis Grab Hooks 473, 473-A



- Standard Material: Drop-forged carbon steel steel (system 3 & 4) or alloy steel
- Standard Finish: System 3 & 4 hooks available with blu-krome or self-colored finish. Alloy hooks are heat treated, and painted orange and stamped "Alloy"
- S/C finish hooks are bulk packed, blu-krome hooks are available packed 10 per box
- Order unit is "Each"

473, System 3 & 4																	
Chain Size in	mm	Self-colored (Bulk)		Blu-Krome (10/Box)		Working Load Limit		Dimensions						Weight Each			
		Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	lb	kg	B		E		P		R		lb	kg
1/4	6	4500405	073885	4500424	073892	2600	1179	3/8	10	1 1/2	9	5/16	8	1 23/32	44	0.32	0.15
5/16	8	4500505	073922	4500524	073939	3900	1769	15/32	12	7/16	11	3/8	10	1 31/32	50	0.59	0.27
3/8	10	4500605	073960	4500624	073977	5400	2449	17/32	13	1/2	13	7/16	11	2 1/4	57	0.92	0.42
1/2	13	4500805	074042	--	--	9200	4173	2 1/32	17	2 1/4	17	9/16	13	3 1/64	77	2.00	0.91
5/8	16	4501005	074073	--	--	11500	5216	1 3/16	21	2 5/8	20	3/4	19	3 25/32	96	3.90	1.77

473-A, Alloy Steel - Heat Treated															
Chain Size in	mm	Alloy, Orange (Bulk)		Working Load Limit		Dimensions						Weight Each			
		Cat. No.	UPC No. 020418	lb	kg	B		E		P		R		lb	kg
*1/4	6	4503315	074103	4100	1860	3/8	10	1 1/2	9	5/16	8	1 23/32	44	0.32	0.15
*5/16	8	4503415	074110	5100	2313	15/32	12	7/16	11	3/8	10	1 31/32	50	0.59	0.27
*3/8	10	4503515	074127	7100	3221	17/32	13	1/2	13	7/16	11	2 1/4	57	0.92	0.42
7/16	11	4503615	074134	10000	4536	19/32	15	19/32	15	1/2	13	2 5/8	67	1.32	0.60
1/2	13	4503715	074141	12000	5443	2 1/32	17	2 1/4	17	9/16	13	3 1/64	77	2.00	0.91
5/8	16	4503815	074158	18100	8210	1 3/16	21	2 5/8	20	3/4	19	3 25/32	96	3.90	1.77
3/4	19	4503915	074165	28300	12837	1 5/16	24	1 5/8	24	13/16	21	4 25/32	121	6.12	2.78

\*Supplied individually bagged and unassembled.

### Clevis Grab Hooks, Grade 43, (Import)



- Forged steel
- Grade 43
- Zinc plated
- UPC tagged

Size in	mm	Description	Finish	Hook Style	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight		Working Load Limit	
									lb	kg	lb	kg
1/4	6	Clevis Grab Hook, Grade 43	Zinc Plated	Clevis	T9501424	192678	10	100	43	19	2,600	1,179
5/16	8	Clevis Grab Hook, Grade 43	Zinc Plated	Clevis	T9501524	192685	10	50	36	16	3,900	1,769
3/8	10	Clevis Grab Hook, Grade 43	Zinc Plated	Clevis	T9501624	192692	10	50	56	25	5,400	2,449
1/2	13	Clevis Grab Hook, Grade 43	Zinc Plated	Clevis	T9501824	220661	5	20	37	17	9,200	4,173



## Slip Hooks

### Clevis Slip Hooks, Grade 43, (Import)

- Forged steel
- Grade 43
- Zinc plated
- UPC tagged



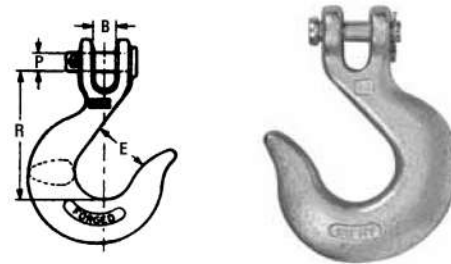
Clevis Slip Hook with Latch

Clevis Slip Hook

Size in	mm	Description	Finish	Hook Style	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight		Working Load Limit	
									lb	kg	lb	kg
1/4	6	Clevis Slip Hook, Grade 43	Zinc Plated	Clevis	<b>T9401424</b>	192647	5	100	58	26	<b>2,600</b>	<b>1,179</b>
				Clevis w/Latch	<b>T9700424</b>	192081	5	50	33	15		
5/16	8	Clevis Slip Hook, Grade 43	Zinc Plated	Clevis	<b>T9401524</b>	192654	5	50	39	18	<b>3,900</b>	<b>1,769</b>
				Clevis w/Latch	<b>T9700524</b>	192098	5	50	47	21		
3/8	10	Clevis Slip Hook, Grade 43	Zinc Plated	Clevis	<b>T9401624</b>	192661	5	50	72	33	<b>5,400</b>	<b>2,449</b>
				Clevis w/Latch	<b>T9700624</b>	192104	5	30	42	19		
1/2	13	Clevis Slip Hook, Grade 43	Zinc Plated	Clevis	<b>T9401824</b>	220654	5	15	43	20	<b>9,200</b>	<b>4,173</b>
				Clevis w/Latch	<b>T9700824</b>	220647	5	15	43	20		

### Clevis Slip Hooks 476-A

- Standard Material: Drop-forged alloy steel
- Standard Finish: Alloy hooks are heat treated, and painted orange and stamped "AH"
- Order unit is "Each"
- Design Factor: Alloy steel hooks is 3-1/2 to 1



Chain Size in	mm	Alloy, Orange (Bulk)		Working Load Limit		Dimensions						Weight Each			
		Cat. No.	UPC No. 020418	lb	kg	B in	B mm	E in	E mm	P in	P mm	R	lb	kg	
*1/4	6	<b>4403315</b>	073816	4100	1860	3/8	10	15/16	24	5/16	8	1 23/32	44	0.75	0.34
*5/16	8	<b>4403415</b>	073823	5100	2313	7/16	11	1 1/16	27	3/8	10	3	76	1.00	0.45
*3/8	10	<b>4403515</b>	073830	7100	3221	1/2	13	1 1/4	32	7/16	11	3 13/32	87	1.40	0.64
7/16	11	<b>4403615</b>	073847	10000	4536	9/16	13	1 1/2	38	1/2	13	3 5/8	92	2.00	0.91
1/2	13	<b>4403715</b>	073854	13000	5897	5/8	16	1 3/4	44	9/16	13	4 3/32	104	3.10	1.41
5/8	16	<b>4403815</b>	073861	20300	9208	3/4	19	2	51	3/4	19	4 13/16	122	5.20	2.36

\*Hooks have drilled hole for latch kit. See page 98 for latch kits.

**Blocks**

## Regular Wood Shell Blocks for Manila Rope



- ♦ Hard wood shells
- ♦ Drop forged fittings
- ♦ Available with bronze self-lubricating bushings
- ♦ Galvanized metal parts

Specifications												
Block Size	3		4		5		6		8		10	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
Diameter Rope	3/8	10	1/2	13	5/8	16	3/4	19	1	25	1 1/8	29
Sheave Size												
O.D.	1 3/4	44	2 1/4	57	3	76	3 1/2	89	4 3/4	121	6 1/4	159
Rim												
Thickness	1/2	13	5/8	16	3/4	19	1	25	1 1/8	29	1 1/4	32
Center Pin												
Dia.	3/8	10	3/8	10	3/8	10	1/2	13	5/8	16	5/8	16
Weight												
	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Single	1	.4	2	1	2 1/2	1	4	2	9 1/2	4	17	8
Double	1 1/2	1	3	1	4	2	6 1/2	3	13	6	25	11
Triple	2	1	4	2	5 1/2	2	9	4	17	8	32	15
Working Load Limit												
	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Single	500	227	1000	454	1200	544	1800	816	2800	1270	4000	1814
Double	800	363	1400	635	1800	816	2500	1134	3800	1724	6000	2722
Triple	1200	544	1800	816	2400	1089	3200	1452	4800	2177	8000	3629

Working Loads are Resultant Working Loads.

Block Size												
Fittings	3		4		5		6		8		10	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm	Inch	mm
Type	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418
<b>Round Loose Hook "AF"</b>												
Single	7205336	166994	7205436	166900	7205536	166917	7205636	166924	-	-	-	-
Double	7206336	166948	7206936	166966	7207036	166982	7207136	166979	-	-	-	-
Triple	-	-	7208536	166006	7208636	166013	7208736	166020	-	-	-	-
<b>Loose, Swivel Hook with Latch "G"</b>												
Single	-	-	7205434	104282	-	-	-	-	-	-	-	-
Double	-	-	7206934	106210	-	-	-	-	-	-	-	-
Triple	-	-	7208534	106118	-	-	-	-	-	-	-	-
<b>Screw Pin Anchor Shackle "K"</b>												
Single	-	-	7205435	104299	7205535	104442	7205635	104606	7205835	104794	-	-
Double	-	-	7206935	106227	7207035	106371	7207135	106624	7207335	106692	-	-
Triple	-	-	-	-	-	-	7208735	106422	-	-	-	-

## Blocks

### Painter's Staging Blocks

- Wood blocks
- Roller bushed
- For 3/4 in. manila rope
- Galvanized metal parts
- 6 in. shell; sheave size 3-1/2 OD x 1 in. rim x 1/2 in. pin



3001 J

Fittings	Single with Becket		Double with Becket	
	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418
Long, Loose Hook "J"	7209803	106767	7209815	167898
Latched, Long, Loose Hook "JS"	7209814	169939	-	-

### Ideal Steel Blocks for Manila Rope

- Steel shells with drop forged flatted hooks
- Painted
- Available with bronze self-lubricating bushings or iron bushed



Single  
3031 F

Double  
3032 F

Specifications				
Block Size	in.		mm	
	4	102	5	127
Diameter Rope	1/2	13	5/8	16
Sheave Size				
O.D.	2 1/4	67	3	76
Rim Thickness	5/8	16	3/4	19
Center Pin Dia.	3/8	10	3/8	10
Weight	lb	kg	lb	kg
Single	2	1	2 1/2	1
Double	3	1	3 1/2	2
Triple	3 1/2	2	5	2
Working Load Limit	lb	kg	lb	kg
Single	500	227	700	318
Double	600	272	900	408
Triple	900	408	1500	680

Working Loads are Resultant Working Loads.

Block Size	Inch		mm	
	4	102	5	127
Fittings	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418
Front Eye, Flatted, Loose Hook "F" Painted				
Bronze SL Bushed	Single	-	7231538	207368
	Double	-	-	-
Iron Bushed	Single	-	-	-
	Double	7231913	170126	-

## Blocks

### B & L Star Metal Blocks for Manila or Fiber Rope



Single  
3041 AF



Double  
3042 AF



Screw Pin  
Anchor Shackle,  
Fitting "K"



Flatted, Loose  
Swivel Hook  
with Latch,  
Fitting "G"

- Steel shells
- Available with bronze self-lubricating bushings
- Galvanized finish

Block Size	Specifications									
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
	3	76	4	102	5	127	6	152	8	203
Diameter Rope	3/8	10	1/2	13	5/8	16	3/4	19	1	25
Sheave Size										
O.D.	1 3/4	44	2 1/4	57	3	76	3 1/2	89	4 3/4	121
Rim Thickness	1/2	13	5/8	16	3/4	19	1	25	1 3/8	29
Center Pin Dia.	3/8	10	3/8	10	3/8	10	1/2	13	5/8	16
Weight	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Single	1 1/2	1	2 1/2	1	4	2	6	3	11	5
Double	2	1	3 1/2	2	6	3	9 1/2	4	16 1/2	7
Triple	2 1/2	1	4 1/2	2	8	4	12	5	23	10
Working Load Limit	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Single	700	318	1100	499	1900	890	2000	907	3300	1497
Double	1000	454	1600	726	2200	998	3300	1497	5100	2313
Triple	1400	635	2200	998	3200	1462	4000	1814	7000	3175

Working Loads are Resultant Working Loads.

Block Size	Inch	mm	Inch	mm	Inch	mm	Inch	mm
	3	76	4	102	6	152	8	203
Fittings	CaL	UPC No.	CaL	UPC No.	CaL	UPC No.	CaL	UPC No.
Type	No.	020418	No.	020418	No.	020418	No.	020418
Round Loose Hook "AF"								
Bronze SL	Single	7245335	171734	7245435	171766	-	-	-
Bushed,	Double	-	-	7246935	171901	7247135	171983	7247335
Galvanized	Triple	-	-	7248935	172046	-	-	-
Flatted, Loose, Swivel Hook with latch "G"								
Bronze SL	Single	7245334	109204	7245434	109188	-	-	-
Bushed,	Double	-	-	-	-	-	-	-
Galvanized	Triple	-	-	-	-	-	-	-
Screw Pin Anchor Shackle "K"								
Bronze SL	Single	7245336	109241	-	-	-	-	-
Bushed,	Double	-	-	-	-	7247136	110368	-
Galvanized	Triple	-	-	-	-	-	-	7248936
								111402

Note: These items are made to order



Blocks

## Drop Link, Manila Rope Snatch Blocks



Wood,  
3071 V



Steel,  
3073 V



Stiff Swivel Hook  
with Latch,  
Fitting "V"

- Shells from wood or steel
- Cross-bolted shell
- Fittings drop forged; metal parts galvanized
- Available with bronze self-lubricating bushing
- Drop link snatch blocks are primarily used as lead blocks; not recommended for hoisting

Specifications						
Block Size	in.		mm		in.	
	4	6	102	152	8	203
Diameter Rope	3/4	7/8	19	22	1	25
Sheave Size						
O.D.	2	3	51	76	4 1/2	114
Rim Thickness	7/8	1 1/8	22	29	1 3/8	35
Bearing Diameter	5/8	3/4	16	19	7/8	22
Center Pin Dia.	3/8	1/2	10	13	5/8	16
Weight	lb kg		lb kg		lb kg	
Wood, 3071	2	1	9	4	12 1/2	6
Steel, 3073	2	1	6	3	13	6
Working Load Limit	lb kg		lb kg		lb kg	
	750	340	2400	1089	4800	2177

Working Loads are Resultant Working Loads.

Block Size	Inch		mm		Inch		mm	
	4	6	102	152	8	203		
Fittings	Type		Cat. No.	UPC No.	Cat. No.	UPC No.	Cat. No.	UPC No.
				020418		020418		020418
Stiff Swivel Hook with Latch "V"								
Bronze Bushed, Galvanized	Wood, 3071	7265486	112881	7265686	113130	7265886	113420	
Bronze Bushed, Galvanized	Steel, 3073	-	-	7265696	113192	7265896	113482	

Blocks

## Safety Locking, Manila Rope Snatch Blocks

- Wood or steel shells
- Bronze self-lubricated bushings
- Drop forged fittings
- Painted or galvanized fittings



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Block Size	Specifications			
	in.	mm	in.	mm
	6	152	8	203
Diameter Rope	$\frac{7}{8}$	22	1	25
Sheave Size				
O.D.	3	76	$4\frac{1}{2}$	114
Rim Thickness	$1\frac{1}{8}$	29	$1\frac{3}{8}$	35
Bearing Diameter	$\frac{3}{4}$	19	$\frac{7}{8}$	22
Center Pin Dia.	$\frac{1}{2}$	13	$\frac{5}{8}$	16
Weight	lb	kg	lb	kg
Wood, 3072	9	4	$12\frac{1}{2}$	6
Steel, 3074	6	3	13	6
Working Load Limit	lb	kg	lb	kg
	3000	1361	5000	2268

Working Loads are Resultant Working Loads.

Block Size	Inch	mm	Inch	mm
	6	152	8	203
Fittings	CaL No.	UPC No.	CaL No.	UPC No.
		020418		020418
Stiff Swivel Hook with Latch "V"				
Bronze Bushed, Galv. SL	Wood, 3072	7267186	114250	-
Bronze Bushed, Galv. SL	Steel, 3074	7267196	114311	7267396 114472

SL stands for self-lubricating bushings

## Blocks

### Nylon Blocks for Manila Rope



Single  
3101 F



Double  
3102 F



Triple  
3103 F

- Nylon shells and sheaves
- Fittings are drop forged
- Plated strap and connections

Specifications		
Block Size	in.	mm
	2	51
Diameter Rope	$\frac{3}{8}$ - $\frac{1}{2}$	10 - 13
Sheave Size		
O.D.	2	51
Rim Thickness	$1\frac{1}{8}$	29
Bearing Diameter	$\frac{5}{8}$	16
Center Pin Dia.	$\frac{3}{8}$	10
Weight		
	lb	kg
Single	7	3
Double	12	5
Triple	16	7
Working Load Limit		
	lb	kg
Single	500	227
Double	1000	454
Triple	1200	544

Working Loads are Resultant Working Loads.

Fittings		
Type	Cat. No.	UPC No.
Loose, Hook with Latch "F"		
Single	-	-
Double	7222213	107320
Triple	7223213	107375
Loose, Swivel Hook with Latch "G"		
Single	7220214	107276
Double	7222214	107337

## Blocks

### Eastern, Manila Rope Snatch Blocks

- All fittings are drop forged
- Galvanized

Specifications		
Block Size	in.	mm
	6	152
Diameter Rope	7/8	22
Sheave Size		
O.D.	3	76
Rim Thickness	1 1/8	29
Bearing Diameter	3/4	19
Center Pin Dia.	1/2	13
Weight		
	lb	kg
Steel, Galvanized, 3075	9	4
Working Load Limit		
	lb	kg
	3000	1361

Working Loads are Resultant Working Loads.



Safety Locking  
3075 V

Block Size	in.	mm	
	6	152	
Fittings			
	Type	Cat. No.	UPC No.
Stiff Swivel Hook with Latch "V"			
Bronze Bushed, Galv. SL	Safety, 3075	7268796	115004

Note: SL stands for self-lubricating bushings.

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### Team Snatch Blocks for Wire Rope

- Steel shells with steel sheaves
- Drop forged fittings
- Bronze, self-lubricating bushings
- Painted finish

Specifications		
Diameter Rope	in.	mm
	5/8	16
Sheave Size		
O.D.	6	152
Rim Thickness	1 1/4	32
Bearing Diameter	1 1/4	32
Center Pin Dia.	1	25
Weight		
	lb	kg
Steel, Galvanized, 3075	34	15
Working Load Limit		
	ton	kg
	7	6350

Working Loads are Resultant Working Loads.



Fittings		
	Cat. No.	UPC No.
	7329919	123221



Blocks

## Extra Heavy, Eastern Pattern Snatch Blocks



4102V

- ◆ Steel shells with steel sheaves
- ◆ Drop forged fittings
- ◆ Bronze self-lubricating bushings
- ◆ Features steel sleeve over sheave pin which increases strength and durability
- ◆ Combination score to handle variety of sizes of wire and manila rope

Block Size		in.	mm
		6	152
Fittings		Cat. No.	UPC No.
Type			
4102 with Galvanized Finish			020418
Fitting V		7336624	123849

Specifications		
Block Size	in.	mm
	6	152
Diameter Rope		
Manila	$\frac{3}{8}$	22
Wire	$\frac{3}{8}$	10
Sheave Size		
O.D.	3	76
Rim Thickness	$1\frac{1}{8}$	29
Bearing Diameter	1	25
Center Pin Dia.	$\frac{1}{2}$	13
Weight		
	lb	kg
	10	5
Working Load Limit*		
	ton	kg
	2	1814

\* Warning: Do not exceed Working Load Limit  
Working Loads are Resultant Working Loads.

## Blocks

### Drop Side Snatch Blocks

- Steel shells with steel sheaves
- Drop forged fittings
- Galvanized
- For wire or manila rope
- 3 in. and 4½ in. blocks have bronze self-lubricating bushings; 6 in. and larger blocks have grooved bronze bushings with pressure greased lubrication
- Special feature: the bolt cannot be lost when the block is opened; connections are easily interchangeable



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Specifications						
Block Size	in.		mm		mm	
	3	76	4½	114	6	152
<b>Diameter Rope</b>						
Manila	-	-	1	25	1½	38
Wire	¾	10	½	13	¾	19
<b>Sheave Size</b>						
O.D.	3	76	4½	114	6	152
Center Pin Dia.	¾	19	1	25	1½	38
<b>Weight</b>						
	lb	kg	lb	kg	lb	kg
w/Connection	5	2	12	5	26	12
w/o Connection	3	1	6	3	15	7
<b>Working Load Limit</b>						
	ton	kg	ton	kg	ton	kg
	2	1814	4	3629	8	7258

Working Loads are Resultant Working Loads.

Fittings	Type	H		V		Q		P		NC	
		Cat. No.	UPC No.	Cat. No.	UPC No.	Cat. No.	UPC No.	Cat. No.	UPC No.	Cat. No.	UPC No.
3" Self-lube	Wire	7339750	124716	7339754	124754	7339752	124730	7339756	185977	7339755	124761
4 1/2" Bronze	Wire	7339760	124778	7339764	124815	7339762	124792	-	-	7339765	124822
6" Bronze PL	Wire	7339790	124952	7339794	124990	7339792	124976	-	-	-	-

Connection Types	
"H" - Hook, no latch	"P" - Drilled swivel eye
"V" - Hook, with latch	"NC" - No connection
"Q" - Screw pin anchor shackle	

## Blocks

### Lineman's Snatch Block, 5022

- For stringing light conductor cable
- Hook fits around insulator or pin or in the insulator hole, which can be driven into a pole or cross arm
- Available with or without hook
- Available bronze, self-lubricating bushings or roller bushed bearings



Description	Bronze Bushed, SL		Roller Bushed		Weight	
	Cat. No.	UPC No.	Cat. No.	UPC No.	lb	kg
With Hook	7380602	129841	7380601	129834	2 $\frac{1}{2}$	1.13
Without Hook	7380603	129858	-	-	2 $\frac{1}{4}$	1.02

### Hand Line Utility Block, CHB300

- Side opening block with latched swivel hook, or swivel meat hook
- Block and sleeve constructed of rugged reinforced nylon fiberglass high di-electric material and feature reinforced swivel bearings
- 3" sheaves - blocks can accommodate rope through 5/8" diameter
- **Blocks rated at 1,000 lb. Working Load Limit** and designed with a 3 to 1 safety factor



Description	Cat. No.	UPC No.	Weight	
			lb	kg
Swivel Hook with Latch	7380300	225680	1.7	0.77
Swivel Meat Hook	7380302	225697	1.65	0.75

## Custom Rigging

### Rated Loads For Grade 80 (System 8) Alloy Steel Chain Slings

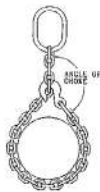
#### Rated Load for Grade 80 Alloy Steel Chain Slings

Chain Size Nominal	Single Leg Sling - 90° - Horizontal Loading		Rated load Double Leg Sling and Single Basket at Horizontal Angle						Triple and Quadruple Leg Sling and Double Basket at Horizontal Angle						
	in.	mm	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
7/32	5.5	2,100	950	3,600	1,650	3,000	1,350	2,100	950	5,500	2,450	4,400	2,000	3,200	1,450
9/32	7	3,500	1,600	6,100	2,750	4,900	2,250	3,500	1,600	9,100	4,150	7,400	3,400	5,200	2,400
3/8	10	7,100	3,200	12,300	5,550	10,000	4,500	7,100	3,200	18,400	8,300	15,100	6,800	10,600	4,800
1/2	13	12,000	5,400	20,800	9,450	17,000	7,700	12,000	5,400	31,200	14,150	25,500	11,550	18,000	8,200
5/8	16	18,100	8,200	31,300	14,200	25,600	11,600	18,100	8,200	47,000	21,300	38,400	17,400	27,100	12,300
3/4	20	28,300	12,800	49,000	22,250	40,000	18,150	28,300	12,800	73,500	33,400	60,000	27,250	42,400	19,300
7/8	22	34,200	15,500	59,200	26,850	48,400	21,900	34,200	15,500	88,900	40,250	72,500	32,900	51,300	23,250
1	26	47,700	21,600	82,600	37,500	67,400	30,600	47,700	21,600	123,900	56,250	101,200	45,950	71,500	32,500
1-1/4	32	72,300	32,800	125,200	56,800	102,200	46,400	72,300	32,800	187,800	85,200	153,400	69,600	108,400	49,200

#### Rated Loads for Grade 80 Alloy Steel Chain Slings - Choker Hitches

Chain Size Nominal	Single Leg		Double Leg and Single Baskets						Triple and Quadruple Leg; Double Baskets						
	in.	mm	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
7/32	5.5	1,700	750	2,900	1,300	2,400	1,100	1,700	750	4,400	1,950	3,500	1,600	2,550	1,150
9/32	7	2,800	1,300	5,000	2,200	3,900	1,800	2,800	1,300	7,300	3,300	5,900	2,700	4,150	1,900
3/8	10	5,700	2,550	9,800	4,450	8,000	3,650	5,700	2,550	14,700	6,650	12,100	5,450	8,500	3,850
1/2	13	9,600	4,300	16,600	7,550	13,600	6,150	9,600	4,300	25,000	11,300	20,400	9,250	14,400	6,550
5/8	16	14,500	6,550	25,000	11,350	20,500	9,300	14,500	6,550	37,600	17,050	30,700	13,900	21,700	9,850
3/4	20	22,600	10,250	39,200	17,800	32,000	14,500	22,600	10,250	58,800	26,700	48,000	21,800	33,900	15,450
7/8	22	27,400	12,400	47,400	21,500	38,700	17,500	27,400	12,400	71,100	32,200	58,000	26,300	41,000	18,600
1	26	38,200	17,300	66,100	30,000	53,900	24,500	38,200	17,300	99,100	45,000	81,000	36,750	57,200	26,000
1-1/4	32	57,800	26,250	100,200	45,450	81,800	37,100	57,800	26,250	150,200	68,150	122,700	55,700	86,700	39,350

Note: Angle of choke should be greater than 120°





## Custom Rigging

# Rated Loads For Grade 100 (System 10) Alloy Steel Chain Slings

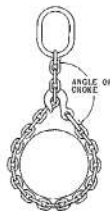
### Rated Load for Grade 100 Alloy Steel Chain Slings

Chain Size Nominal	Single Leg Sling - 90° - Horizontal Loading		Rated load Double Leg Sling and Single Basket at Horizontal Angle						Triple and Quadruple Leg Sling and Double Basket at Horizontal Angle							
	in.	mm	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
9/32	7	178	4,300	1,950	7,400	3,400	6,100	2,750	4,300	1,950	11,200	5,050	9,100	4,150	6,400	2,950
3/8	10	254	8,800	4,000	15,200	6,950	12,400	5,650	8,800	4,000	22,900	10,400	18,700	8,500	13,200	6,000
1/2	13	330	15,000	6,800	26,000	11,800	21,200	9,600	15,000	6,800	39,000	17,650	31,800	14,450	22,500	10,200
5/8	16	406	22,600	10,300	39,100	17,750	32,000	14,500	22,600	10,300	58,700	26,650	47,900	21,750	33,900	15,400
3/4	20	508	35,300	16,000	61,100	27,700	49,900	22,650	35,300	16,000	91,700	41,550	74,900	33,950	53,000	24,000
7/8	22	560	42,700	19,400	74,000	33,500	60,400	27,350	42,700	19,400	110,900	50,250	90,600	41,050	64,000	29,050

### Rated Loads for Grade 100 Alloy Steel Chain Slings - Choker Hitches

Chain Size Nominal	Single Leg		Double Leg and Single Baskets						Triple and Quadruple Leg; Double Baskets								
	in.	mm	90°		60°		45°		30°		60°		45°		30°		
		lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
9/32	7	3,500	1,600	6,100	2,750	4,900	2,250	3,500	1,600	9,100	4,150	7,400	3,400	5,200	2,400		
3/8	10	7,100	3,200	12,300	5,550	10,000	4,550	7,100	3,200	18,400	8,300	15,100	6,800	10,600	4,800		
1/2	13	12,000	5,400	20,800	9,450	17,000	7,700	12,000	5,400	31,200	14,150	25,500	11,550	18,000	8,200		
5/8	16	18,100	8,200	31,300	14,200	25,600	11,600	18,100	8,200	47,000	21,300	38,400	17,400	27,100	12,300		
3/4	20	28,300	12,800	49,000	22,250	40,000	18,150	28,300	12,800	73,500	33,400	60,000	27,250	42,400	19,300		
7/8	22	34,200	15,500	59,200	26,850	48,400	21,900	34,200	15,500	88,900	40,250	72,500	32,900	51,300	23,250		

Note: Angle of choke should be greater than 120°



## Custom Rigging

## Cam-Alloy Chain Slings

Campbell manufactures a complete line of standard sling assemblies, as well as assemblies to customer specifications. This work is done

at authorized Campbell Sling Service Centers located in strategic areas of the country to provide maximum customer service.

## Important Chain Terms

### WORKING LOAD LIMIT

The "working load limit" (rated capacity) is the maximum combined static and dynamic load in pounds or kilograms which should ever be applied to the product in service, even when the product is new, and when the load is uniformly applied in direct tension to the product.

### PROOF TEST

The "proof test" is a quality control test applied to chain for the purpose of verifying weld and material quality. It is the minimum force in pounds or newtons that the chain has withstood in direct tension as part of the manufacturing process. Proof testing assures that the chain is more than capable of performing at its rated working load limit. Proof test loads are a manufacturing integrity test and shall not be used as criteria for service or design purposes. All Campbell chain and components are proof tested in accordance with the applicable ASTM, NACM, OSHA and AISI/ASME requirements.

## Certificate of Test and Identification Tags

Campbell provides information in several forms that enables purchasers and users to operate safely and effectively in conformity with OSHA requirements. The drop forged Identification Tag is attached to the Master End Coupling link of each chain sling and provides the following lifetime information:

- Grade
- Size
- Reach
- Working Load Limit (at a specific angle of lift)
- Serial number
- Type

A Certificate of Test is provided for every Campbell manufactured chain sling. The Campbell Certificate contains all of the information provided on the identification tag, plus the Proof Test load as required by OSHA regulations.



Identification Tag



Certificate of Test

## Basic Types of Chain Slings

Slings are designated throughout the industry by the symbols.

### First Symbol (Basic type)

- S Single Chain Sling with master link and hook, or hook each end.
- C Single Choker Chain Sling with master link each end. No hooks.
- D Double Chain Sling with standard master link and hooks.
- T Triple Chain Sling with standard master link and hooks.
- Q Quadruple Chain Sling with standard master link and hooks.

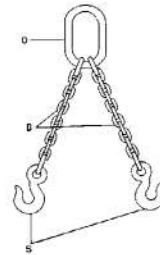
- SB Single basket
- DB Double basket

### Second Symbol (Type of master link or end link)

- O Standard Oblong Master Link—Recommended for all types.

### Third Symbol (Type of Hooks)

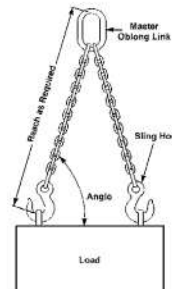
- S Sling Hook
- G Grab Hook
- F Foundry Hook
- SL Self-locking Hook



## How to Order Chain Slings

1. Determine the maximum **load** to be lifted.
2. Refer to the following pages and choose the proper **type** of chain sling (single, double, etc.) dictated by the size, shape and weight of the load.
3. Estimate the approximate **angle** between a leg of the sling and the load during operation.
4. Select the proper **attachments** (hooks and master links) for your chain sling.
5. Determine the overall **reach** from bearing point on master link to bearing point on attachment.
6. Refer to the Working Load Limit Chart and to your predetermined angle of the type sling you have selected.
7. Choose the chain size which meets your requirements.
8. When entering your order be sure you give complete information as to the size, reach and attachments required.

**Note:** Angle to the load on multiple leg slings will be 60° or greater as long as the distance between lifting eyes of load is **not** greater than reach shown on identification tag.



**⚠ ADVERTENCIA**

Para prevenir la posibilidad de una lesión personal seria:

- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

**⚠ WARNING**

To prevent the possibility of serious bodily injury:

- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

## Custom Rigging

# Inspection, Care and Proper Use of Chain Slings

Campbell welded chain products and components are designed and built for rugged last- ing service. As with any quality product certain precautions and standards of treatment should be observed. Proper care will extend the useful life of the product.

### INSTRUCTIONS REGARDING COMPONENTS & FITTINGS

Components, such as master links and hooks, should have at least the same working load limit (rated capacity) as the chain with which they are used. If not, the sling shall be rated to the capacity of the weakest component. Campbell offers a full line of Cam-Alloy® and Quik-Alloy® sling components engineered specifically to be compatible with our alloy chain products.

### WARNINGS AND CAUTIONS

- The use of chain, slings, and components are subject to certain hazards that cannot be met by mechanical or manufacturing means, but only by the exercise of intelligence, care, and common sense
- Sling use is subject to the Occupational Safety & Health Administration (OSHA 29 CFR 1910.184) and American Society for Mechanical Engineers (ASME B30.9) safety standards, requiring the sling user to conduct safe working practices and perform inspections
- Do not exceed the working load limit of the sling or any component
- Chemically active environments may adversely affect chain slings. Do not use in highly acidic or caustic environments. Campbell should be contacted if the sling will be exposed to chemically active environments during use
- High and low temperatures will affect chain slings. Campbell should be contacted if temperatures below -20°F (-29°C) will be experienced. The attached Effect of Elevated Temperature on the Working Load Limit of Alloy Chain chart shows the reduction in strength that occurs when chain slings are used at or have been exposed to temperatures above 400°F (204°C)
- Never field weld or repair a chain sling. Chain slings should only be repaired by a qualified repair facility
- See other specific information under the Care, Inspection, and Proper Use sections

### INSPECTION

OSHA and ASME safety standards require the user to conduct:

- Frequent Inspections: A visual inspection for damage, which should be performed each day the sling is used.
  - Periodic Inspections: A complete link by link and component inspection. Periodic inspection intervals vary depending on sling usage and conditions, but must occur at least annually. Written records of periodic inspections are required.
- The slings should be inspected for the presence damage. The sling should immediately be removed from service if any of the following conditions are present:
- Missing or unreadable identification tag
  - Cracks in the chain or any component
  - Excessive nicks, gouges or wear. Chain should be removed from service if the thickness at any point on the link is below the value shown in the attached Cam- Alloy Chain Minimum Allowable Thickness chart. All other components should be removed from service if any dimension is worn more than 10% from the original dimension
  - Stretched, bent, twisted, or distorted chain links or components
  - Excessive corrosion
  - Evidence of heat damage
  - Evidence of field welding or weld spatter
  - Any other condition which questions the integrity of the chain sling
  - Any side movement of the Quik Alloy Coupling Link Pin could indicate excessive wear of the pin or link half and be cause for removal from service
  - Depending on the severity of use and environment, individual Quik-Alloy components should be disassembled so that load pins may be thoroughly inspected

### CARE

- Chain slings should be stored in a clean and dry area, preferably on a rack, in order to extend their life
- Chain slings should not be stored in areas where they would be subject to damage, corrosion, chemical attack, or extreme temperatures
- Clean slings periodically, as dust and grit can accelerate wear
- During use, chain slings should not be dragged over abrasive surfaces. Loads should not be rested on the chain sling to avoid damage

### PROPER USE

- To protect the operators, the load, and the sling, the following safe practices should be followed. Campbell also recommends compliance with the OSHA and ASME safety standard practices.
- Select a sling suitable for the load, type of hitch, angle of loading, and environment. The hooks and master links should be of a size to fit the intended connections
  - Avoid shock loading
  - Pad all sharp edges or corners in contact with the sling to prevent damage to either the sling or the load
  - Balance the load to prevent shifting, to maintain control of the load, and to prevent overloading of any leg in a multiple leg sling
  - Rig so that the load is properly seated in the hooks and master link. Avoid tip loading of hooks and side loading of master links
  - Avoid twisting or kinking of sling legs
  - Never knot chain legs

## Cam-Alloy Chain - Minimum Allowable Thickness

Chain Size		Cat. No. Drum	Actual Size Stock Dia.		Min. Allowable Thickness on Any	
in.	mm		in.	mm	in.	mm
7/32	5.5	0400312	.218	6	.189	4.80
9/32	7	0405212	.282	7	.239	6.07
3/8	10	0405412	.402	10	.342	8.69
1/2	13	0405512	.522	13	.443	11.26
5/8	16	0405612	.643	16	.546	13.87
3/4	20	0405712	.802	20	.687	17.45
7/8	22	0405812	.881	22	.750	19.05
1	26	0401612	1.000	25	.887	22.53
1 1/4	32	0402012	1.250	32	1.091	27.71

## Effect of Elevated Temperature on the Working Load Limit of Alloy Chain

Temperature		Grade of Chain			
(F°)	(C°)	Grade 80 (System8)		Grade 100 (System 10)	
		Reduction of Working Load Limit WHILE AT Temperature	Reduction of Working Load Limit AFTER EXPOSURE to Temperature	Reduction of Working Load Limit WHILE AT Temperature	Reduction of Working Load Limit AFTER EXPOSURE to Temperature
< 400°	< 204°	None	None	None	None
400°	204°	10%	None	15%	None
500°	260°	15%	None	25%	5%
600°	316°	20%	5%	30%	15%
700°	371°	30%	10%	40%	20%
800°	427°	40%	15%	50%	25%
900°	482°	50%	20%	60%	30%
1000°	538°	60%	25%	70%	35%

>1000° >538° OSHA requires that any chain sling which has experienced temperatures in excess of 1000° F be removed from service.

### PROPER USE (continued)

- Horizontal angles less than 30° should not be used without consulting Campbell or a qualified person
- For choker hitches, angles of choke greater than 120° should not be used without consulting Campbell or a qualified person. Choker hitches reduce the working load limit by 20% (See pages 186 & 187)
- For basket hitches, the minimum recommended diameter of the load is 10 times the nominal chain diameter

Purchasers please note that all "Warnings and Cautions" apply to chain, components and fittings, as well as chain slings. Purchasers are responsible for conveying the "Warnings and Cautions" including the "Inspection, Care and Proper Use" section information to the end user.

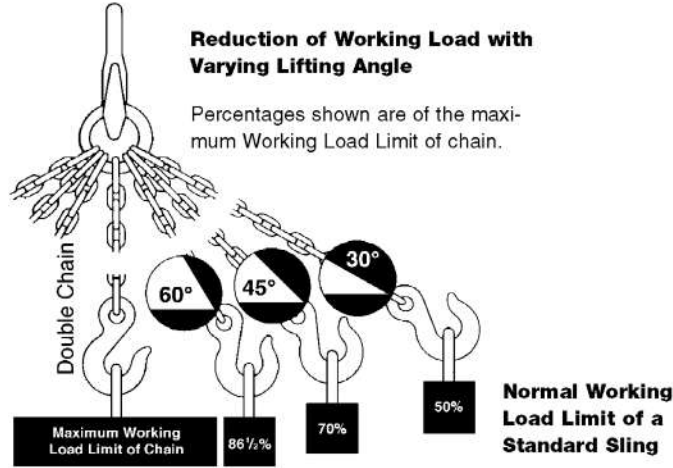
Campbell denies any liability for damage that results from use in excess of the working load limit or any abuse or misuse of the product.

Any questions concerning the use of Campbell products may be directed to your Apex Tool Group Sales Representative or Customer Service.



## Cam-Alloy Chain Slings

### How Lifting Angles Reduce Working Load Limits of Slings



## Cam-Alloy Chain Specifications

Cam-Alloy steel chain is electrically welded alloy steel embodying the latest manufacturing technology. Alloy provides a superior chain sling with high tensile strength and excellent wear resistance. The following chains meet or exceed all existing OSHA, ANSI, ASME, NACM and ASTM specification requirements.

The Cam-Alloy chain and attachments used in fabricating Campbell chain slings offer a design factor of 4 to 1. System 8 is Campbell's trade name for Grade 80 chain. System 10 is Campbell's trade name for Grade 100 chain.

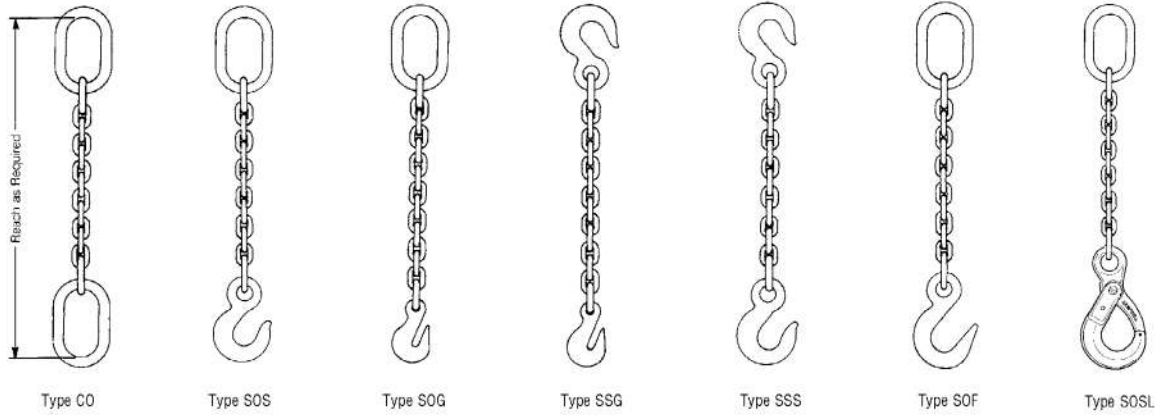
Trade Size	Nominal Dimensions (in. and mm)									Drum		Working Load Limit		Feet/ Drum	Lb/ 100ft.	Links/ ft.
	Material Diameter		Inside Dimensions				Cat. No.	UPC No. 020418	lb	kg						
	in.	mm	System	in.	mm	Length					Width	in.	mm			
7/32	5.5	8	.22	6	.69	18	.30	8	0400312	063312	2100	970	800	43	17.5	
9/32	7	10	.29	7	.86	22	.41	10	0405212	182204	4300	1950	500	74	13.8	
3/8	10	10	.40	10	1.22	31	.57	14	0405412	182211	8800	3990	500	148	10.0	
1/2	13	10	.52	13	1.57	40	.75	19	0405512	182228	15,000	6800	300	250	7.8	
5/8	16	10	.64	16	1.93	49	.87	22	0405612	182235	22,600	10,250	200	379	6.5	
3/4	20	10	.80	20	2.42	61	1.09	28	0405712	182242	35,300	16,000	100	610	4.9	
7/8	22	10	.88	22	2.70	69	1.28	31	0405812	063497	42,700	19,400	100	775	4.4	
1	26	8	1.00	25	2.80	71	1.40	36	0401612	063510	47,700	21,600	100	965	4.3	
1 1/4	32	8	1.25	32	3.50	89	1.75	44	0402012	063534	72,300	32,800	60	1525	3.5	

The last digit of the catalog number changes to a 1 if a non-standard quantity is ordered.



## Custom Rigging

### Cam-Alloy Chain Slings Single Types: S and C



Chain Size		System	Oblong Link						Working Load Limit	
			Nominal Size Material		Inside Dimensions					
					Width		Length			
in.	mm	in.	mm	in.	mm	in.	mm	lb	kg	
9/32	7	10	37/64	15	2 1/2	64	5	127	4,300	1,950
3/8	10	10	13/16	21	3	76	6	152	8,800	4,000
1/2	13	10	1 1/8	29	4	102	8	203	15,000	6,800
5/8	16	10	1 1/8	29	4	102	8	203	22,600	10,300
3/4	20	10	1 1/4	32	4	102	8	203	35,300	16,000
7/8	22	10	1 5/8	41	5 1/4	133	10 1/2	267	42,700	19,400
1	26	8	1 7/8	48	6	152	12	305	47,700	21,600
1 1/4	32	8	2	51	7	178	14	356	72,300	32,800

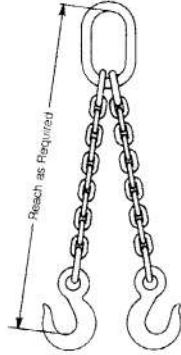
Dimensions are approximate.  
Single chain slings are available in other combinations.  
These items are made to order.

CAMPBELL CHAIN

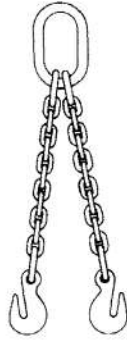
## Custom Rigging

### Cam-Alloy Chain Slings Double Type: D

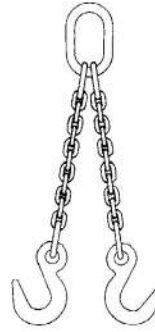
CAMPBELL CHAIN



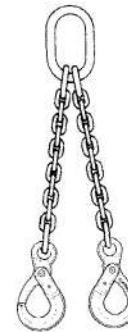
Type DOS



Type DOG



Type DOF



Type DOSL

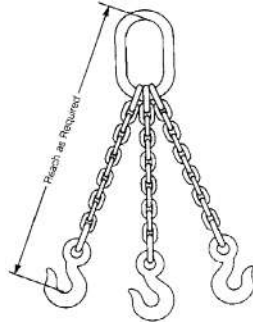
Chain Size		System	Oblong Master Link						Working Load Limit					
			Nominal Size Material		Inside Dimensions				Double at 60°		Double at 45°		Double at 30°	
					Width		Length		lb	kg	lb	kg	lb	kg
9/32	7	10	37/64	15	2 1/2	64	5	127	7,400	3,400	6,100	2,700	4,300	1,950
3/8	10	10	13/16	21	3	76	6	152	15,200	6,900	12,400	6,900	8,800	3,990
1/2	13	10	1 1/8	29	4	102	8	203	26,000	11,800	21,200	9,600	15,000	6,800
5/8	16	10	1 1/4	32	4	102	8	203	39,100	17,700	32,000	14,500	22,600	10,300
3/4	20	10	1 5/8	41	5 1/4	133	10 1/2	267	61,100	27,700	49,900	22,600	35,300	16,000
7/8	22	10	1 7/8	48	6	152	12	305	74,000	33,500	60,400	27,350	42,700	19,400
1	26	8	2	51	7	178	14	356	82,600	37,900	67,400	31,000	47,700	21,600
1 1/4	32	8	2 1/4	57	8	203	16	406	125,200	56,800	102,200	46,400	72,300	32,800

Dimensions are approximate.  
Double chain slings are available in other combinations.  
These items are made to order.

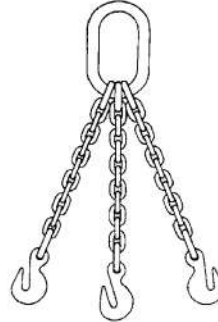
Campbell®

## Custom Rigging

### Cam-Alloy Chain Slings Triple Type: T



Type TOS



Type TOG

Chain Size		System	Oblong Master Link						Working Load Limit					
			Nominal Size Material		Inside Dimensions				Triple at 60°		Triple at 45°		Triple at 30°	
					Width		Length		lb	kg	lb	kg	lb	kg
in.	mm		in.	mm	in.	mm	in.	mm						
5/32	7	10	13/16	21	3	76	6	152	11,200	5,100	9,100	4,100	6,450	2,900
3/8	10	10	1 1/8	29	4	102	8	203	22,800	10,300	18,600	8,400	13,200	6,000
1/2	13	10	1 1/4	32	4	102	8	203	39,000	17,700	31,800	14,400	22,500	10,200
5/8	16	10	1 5/8	41	5 1/4	133	10 1/2	267	58,700	26,600	47,900	21,700	33,900	15,400
3/4	20	10	1 7/8	48	6	152	12	305	91,700	41,600	74,900	34,000	53,000	24,000
7/8	22	10	2 1/4	57	8	203	16	406	110,900	50,250	90,600	41,050	64,000	29,050
1	26	8	2 3/4	57	8	203	16	406	123,900	56,900	101,200	46,500	71,500	32,800
1 1/4	32	8	2 3/4	70	9	229	16	406	187,800	85,200	153,400	69,600	108,400	49,200

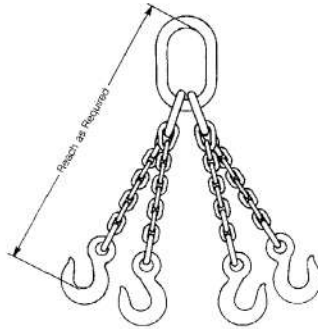
Dimensions are approximate.  
Triple chain slings are available in other combinations.  
These items are made to order.

CAMPBELL CHAIN

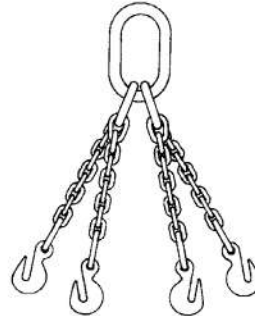
## Custom Rigging

### Cam-Alloy Chain Slings Quadruple Type: Q

CAMPBELL CHAIN



Type QOS



Type QOG

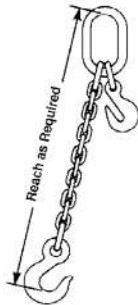
Chain Size	in.	mm	System	Oblong Master Link						Master Coupling Link						Working Load Limit					
				Nominal Size Material		Inside Dimensions				Nominal Size Material		Inside Dimensions				Quad at 60°		Quad at 45°		Quad at 30°	
				in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
9/32	7	10	13/16	21	3	76	6	152	17/32	13	1 1/2	38	2 5/8	67	11,200	5,100	9,100	4,100	6,450	2,900	
3/8	10	10	1 1/8	29	4	102	8	203	25/32	20	1 5/8	41	2 7/8	73	22,800	10,300	18,600	8,400	13,200	6,000	
1/2	13	10	1 1/4	32	4	102	8	203	1	25	3	76	5	127	39,000	17,700	31,800	14,400	22,500	10,200	
5/8	16	10	1 5/8	41	5 1/4	133	10 1/2	267	1 1/4	32	4	102	6	152	58,700	26,600	47,900	21,700	33,900	15,400	
3/4	20	10	1 7/8	48	6	152	12	305	1 1/2	38	4	102	6	152	91,700	41,600	74,900	34,000	53,000	24,000	
7/8	22	10	2 1/4	57	8	203	16	406	1 3/4	44	4	102	6	152	110,900	50,250	90,600	41,050	64,000	29,050	
1	26	8	2 1/4	57	8	203	16	406	1 7/8	48	5	127	7	178	123,900	56,900	101,200	46,500	71,500	32,800	
1 1/4	32	8	2 3/4	70	9	229	16	406	2 1/8	54	6	152	9	229	187,800	85,200	153,400	69,600	108,400	49,200	

Dimensions are approximate.  
 Quadruple chain slings are available in other combinations.  
**NOTE:** In practice hooks on "Q" slings are in the plane opposite that shown.  
 † See Oblong Master Link Sub-Assembly for complete dimensions.  
 These items are made to order.



## Custom Rigging

### Miscellaneous Cam-Alloy Chain Slings Types Single Adjustable



Style A



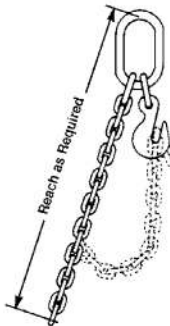
Style B  
Standard with 1 foot of chain in short leg.

Chain Size		System	Oblong Master Link						Working Load Limit at 90°	
			Nominal Size Material		Inside Dimensions					
					Width		Length			
in.	mm	in.	mm	in.	mm	in.	mm	lb	kg	
9/32	7	10	37/64	15	2 1/2	64	5	127	4,300	1,950
3/8	10	10	13/16	21	3	76	6	152	8,800	4,000
1/2	13	10	1 1/8	29	4	102	8	203	15,000	6,800
5/8	16	10	1 1/8	29	4	102	8	203	22,600	10,300
3/4	20	10	1 1/4	32	4	102	8	203	35,300	16,000
7/8	22	10	1 5/8	41	5 1/4	133	10 1/2	267	42,700	19,400
1	26	8	1 7/8	48	6	152	12	305	47,700	21,600
1 1/4	32	8	2	51	7	178	14	356	72,300	32,800

Dimensions are approximate.  
These items are made to order.

CAMPBELL CHAIN

### Cam-Alloy Chain Slings Single Adjustable Loop



Style A



Style B  
Standard with 1 foot of chain in short leg.

Chain Size		System	Oblong Master Link						Working Load Limit at 60°	
			Nominal Size Material		Inside Dimensions					
					Width		Length			
in.	mm	in.	mm	in.	mm	in.	mm	lb	kg	
9/32	7	10	37/64	15	2 1/2	64	5	127	7,400	3,400
3/8	10	10	13/16	21	3	76	6	152	15,200	6,900
1/2	13	10	1 1/8	29	4	102	8	203	26,000	11,800
5/8	16	10	1 1/4	32	4	102	8	203	39,100	17,700
3/4	20	10	1 5/8	41	5 1/4	133	10 1/2	267	61,100	27,700
7/8	22	10	1 7/8	48	6	152	12	305	74,000	33,500
1	26	8	2	51	7	178	14	356	82,600	37,900
1 1/4	32	8	2 1/4	57	8	203	16	406	125,200	56,800

For other angles of lift, refer to type "D" sling specifications.  
Dimensions are approximate.  
These items are made to order.

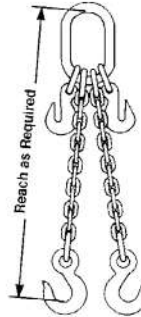
## Custom Rigging

CAMPBELL CHAIN

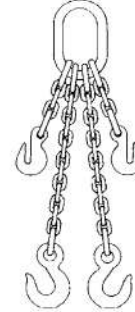
### Cam-Alloy Chain Slings Double Adjustable

Chain Size	in.	mm	System	Oblong Master Link				Working Load Limit at 60°		
				Nominal Size Material		Inside Dimensions				
				in.	mm	Width	Length	in.	mm	in.
9/32	7	10	37/64	15	2 1/2	64	5	127	7,400	3,400
3/8	10	10	13/16	21	3	76	6	152	15,200	6,900
1/2	13	10	1 1/8	29	4	102	8	203	26,000	11,800
5/8	16	10	1 1/4	32	4	102	8	203	39,100	17,700
3/4	20	10	1 5/8	41	5 1/4	133	10 1/2	267	61,100	27,700
7/8	22	10	1 7/8	48	6	152	12	305	74,000	33,500
1	26	8	2	51	7	178	14	356	82,600	37,900

For other angles of lift, refer to type "D" sling specifications.  
Dimensions are approximate.  
These items are made to order.



Style A

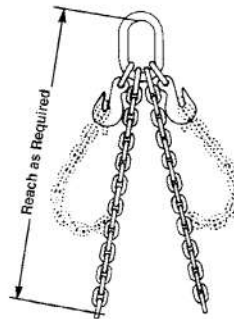


Style B  
Standard with 1 foot of chain in short leg.

### Cam-Alloy Chain Slings Double Adjustable Loop

Chain Size	in.	mm	System	Oblong Master Link				Working Load Limit at 60°		
				Nominal Size Material		Inside Dimensions				
				in.	mm	Width	Length	in.	mm	in.
9/32	7	10	13/16	21	3	76	6	152	11,200	5,100
3/8	10	10	1 1/8	29	4	102	8	203	22,800	10,300
1/2	13	10	1 1/4	32	4	102	8	203	39,000	17,700
5/8	16	10	1 5/8	41	5 1/4	133	10 1/2	267	58,700	26,600
3/4	20	10	1 7/8	48	6	152	12	305	91,700	41,600
7/8	22	10	2 1/4	57	8	203	16	406	110,900	50,250
1	26	8	2 3/4	57	8	203	16	406	123,900	56,900

For other angles of lift, refer to type "D" sling specifications.  
Dimensions are approximate.  
These items are made to order.



Style A

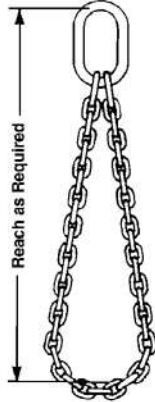


Style B  
Standard with 1 foot of chain in short leg.

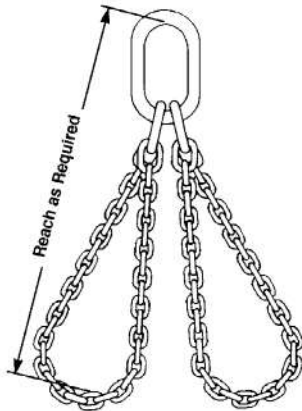
## Custom Rigging

### Cam-Alloy Chain Sling Single and Double Basket

CAMPBELL CHAIN



Single Basket



Double Basket

Chain Size	in.	mm	System	Oblong Master Link				Working Load Limit at 60°		
				Nominal Size Material		Inside Dimensions				
				in.	mm	Width	Length	in.	mm	lb
9/32	7	10	37/64	15	2 1/2	64	5	127	7,400	3,400
3/8	10	10	13/16	21	3	76	6	152	15,200	6,900
1/2	13	10	1 1/8	29	4	102	8	203	26,000	11,800
5/8	16	10	1 1/4	32	4	102	8	203	39,100	17,700
3/4	20	10	1 5/8	41	5 1/4	133	10 1/2	267	61,100	27,700
7/8	22	10	1 7/8	48	6	152	12	305	74,000	33,500
1	26	8	2	51	7	178	14	356	82,600	37,900
1 1/4	32	8	2 1/4	57	8	203	16	406	125,200	56,800

Chain Size	in.	mm	System	Oblong Master Link				Working Load Limit at 60°		
				Nominal Size Material		Inside Dimensions				
				in.	mm	Width	Length	in.	mm	lb
9/32	7	10	13/16	21	3	76	6	152	11,200	5,100
3/8	10	10	1 1/8	29	4	102	8	203	22,800	10,300
1/2	13	10	1 1/4	32	4	102	8	203	39,000	17,700
5/8	16	10	1 5/8	41	5 1/4	133	10 1/2	267	58,700	26,600
3/4	19	10	1 7/8	48	6	152	12	305	91,700	41,600
7/8	22	10	2 1/4	57	8	203	16	406	110,900	50,250
1	26	8	2 1/4	57	8	203	16	406	123,900	56,900

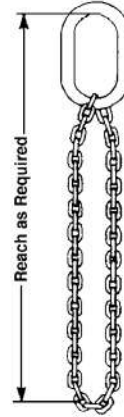
For other angles of lift, refer to Type "D" for single basket slings and Type "Q" for double basket slings.  
Dimensions are approximate.  
These items are made to order.

## Custom Rigging

CAMPBELL CHAIN

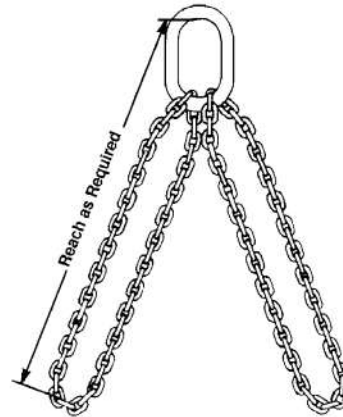
### Cam-Alloy Chain Slings Single and Double Endless Basket

Chain Size	in.	mm	System	Oblong Master Link				Working Load Limit at 60°		
				Nominal Size Material		Inside Dimensions				
				in.	mm	in.	mm	in.	mm	lb
9/32	7	10	37/64	15	2 1/2	64	5	127	4,300	1,950
3/8	10	10	13/16	21	3	76	6	152	8,800	3,990
1/2	13	10	1 1/8	29	4	102	8	203	15,000	6,800
5/8	16	10	1 1/8	29	4	102	8	203	22,600	10,250
3/4	20	10	1 1/4	32	4	102	8	203	35,300	16,000
7/8	22	10	1 5/8	41	5 1/4	133	10 1/2	267	42,700	19,400
1	26	8	1 7/8	48	6	152	12	305	47,700	21,600
1 1/4	32	8	2	51	7	178	14	356	72,300	32,800



Single Endless Basket

Chain Size	in.	mm	System	Oblong Master Link				Working Load Limit at 60°		
				Nominal Size Material		Inside Dimensions				
				in.	mm	in.	mm	in.	mm	lb
9/32	7	10	37/64	15	2 1/2	64	5	127	7,400	3,400
3/8	10	10	13/16	21	3	76	6	152	15,200	6,900
1/2	13	10	1 1/8	29	4	102	8	203	26,000	11,800
5/8	16	10	1 1/4	32	4	102	8	203	39,100	17,700
3/4	20	10	1 5/8	41	5 1/4	133	10 1/2	267	61,100	27,700
7/8	22	10	1 7/8	48	6	152	12	305	74,000	33,500
1	26	8	2	51	7	178	14	356	82,600	37,900
1 1/4	32	8	2 1/4	57	8	203	16	406	125,200	56,800



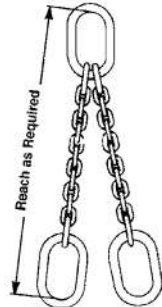
Double Endless Basket

For other angles of lift, refer to Type "D" for single basket slings and Type "Q" for double basket slings.  
Dimensions are approximate.  
These items are made to order.



## Custom Rigging

### Cam-Alloy Chain Slings Double with Links Only

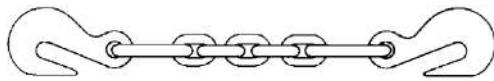


Type D00

Chain Size	in.	mm	System	Oblong Master Link						Standard Oblong Link						Working Load Limit at 60°	
				Nominal Size Material		Inside Dimensions				Nominal Size Material		Inside Dimensions					
				in.	mm	Width		Length		in.	mm	Width		Length			
9/32	7	10	10	37/64	15	2 1/2	64	5	127	37/64	15	2 1/2	64	5	127	7,400	3,400
3/8	10	10	10	13/16	21	3	76	6	152	13/16	21	3	76	6	152	15,200	6,900
1/2	13	10	10	1 1/8	29	4	102	8	203	1 1/8	29	4	102	8	203	26,000	11,800
5/8	16	10	10	1 1/4	32	4	102	8	203	1 1/8	29	4	102	8	203	39,100	17,700
3/4	20	10	10	1 5/8	41	5 1/4	133	10 1/2	267	1 1/4	32	4	102	8	203	61,100	27,700
7/8	22	10	10	1 7/8	48	6	152	12	305	1 1/2	38	5 1/4	133	10 1/2	267	74,000	33,500
1	26	8	8	2	51	7	178	14	356	1 3/4	44	6	152	12	305	82,600	37,900
1 1/4	32	8	8	2 1/4	57	8	203	16	406	2	51	7	178	14	356	125,200	56,800

Dimensions and weights are approximate.  
For other angles of lift, refer to Type "D" slings.  
These items are made to order.

### Cam-Alloy Chain Shortener



Chain Size		System	Reach	Working Load Limit	
in.	mm			lb	kg
9/32	7	10	1'1"	4,300	1,950
3/8	10	10	1'3"	8,800	4,000
1/2	13	10	1'8"	15,000	6,800
5/8	16	10	2'0"	22,600	10,300
3/4	20	10	2'4"	35,300	16,000
7/8	22	10	2'8"	42,700	19,400
1	26	8	3'1"	47,700	21,600
1 1/4	32	8	3'10"	72,300	32,800

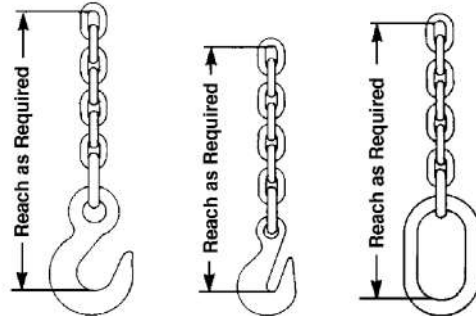
Dimensions are approximate.  
These items are made to order.

## Custom Rigging

### Cam-Alloy Chain Slings Attachment, One End Only

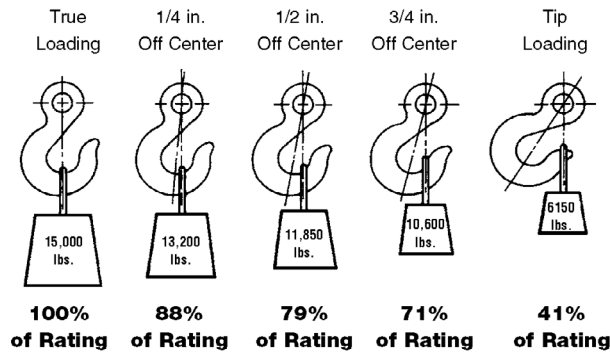
Chain Size		System	Working Load Limit	
in.	mm		lb	kg
9/32	7	10	4,300	1,950
3/8	10	10	8,800	4,000
1/2	13	10	15,000	6,800
5/8	16	10	22,600	10,300
3/4	20	10	35,300	16,000
7/8	22	10	42,700	19,400
1	26	8	47,700	21,600
1 1/4	32	8	72,300	32,800

Dimensions are approximate.  
These items are made to order.



CAMPBELL CHAIN

### How Off-Center (Tip) Loading Reduces Working Load Limits of 1/2" - Cam-Alloy Sling Hooks

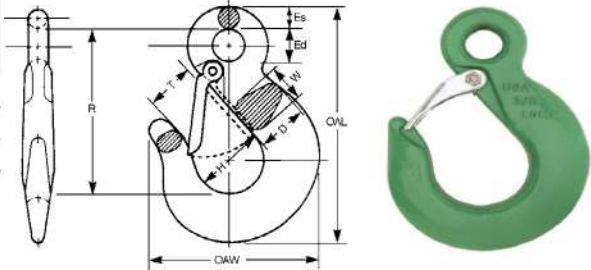


## Rigging Accessories

### Cam-Alloy Sling Hooks with Latches

Chain Size	System	Hook No.	Cat. No.	UPC No. 020418	Approx. Weight Each		Working Load Limit		
					lb	kg	lb	kg	
9/32	7	10	C-90	5646495	222313	1.24	.56	4,300	1,950
3/8	10	10	C-91	5646695	221590	2.7	1.22	8,800	4,000
1/2	13	10	C-92	5646895	222870	5.6	2.54	15,000	6,800

Dimensions and weights are approximate.  
**WARNING:** Do not exceed Working Load Limit.



Chain Size	Dimensions																		
	R		T		H		Ed		Es		D		W		OAL		OAW		
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
9/32	7	4.50	114	.875	22	1.50	38	.75	19	.44	11	1.14	29	.75	19	5.56	141	3.59	91
3/8	10	4.75	121	1.314	33	2.13	54	.813	21	.594	15	1.46	37	1.05	27	6.59	167	4.50	114
1/2	13	5.70	145	1.5	38	2.25	57	1.13	29	.804	20	2.00	51	1.42	36	8.37	213	5.65	143

### Cam-Alloy Latches (Old Style)

Chain Size	Sling Hook	Sling Hook with Latch	Standard Latch No.
9/32	5644415	5644495	3990401
3/8	5644615	5644695	3990601
1/2	5644815	5644895	3990701
5/8	5645015	5645095	3991001
3/4	5645215	5645295	3991001
7/8	5645415	5645495	3991409
1	5641615	5641695	3991409



### Cam-Alloy Latches (New Style)

Chain Size	Sling Hook	Sling Hook with Latch	Standard Latch No.
9/32	5646415	5646495	7506495
3/8	5646615	5646695	7506695
1/2	5646815	5646895	7506895
5/8	5647015	5647095	7507095
3/4	5647215	5647295	7507295



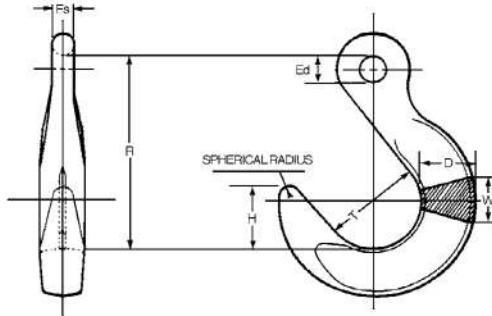
## Rigging Accessories

### Cam-Alloy Foundry Hooks



Chain Size	in.	mm	System	Hook No.	Cat. No.	UPC No. 020418	Approx. Weight Each		Working Load Limit	
							lb	kg	lb	kg
9/32	7	10	10	C-498	5664415	182457	2.2	.99	4,300	1,950
3/8	10	10	10	C-499	5664615	182464	3.9	1.80	8,800	4,000
1/2	13	10	10	C-500	5664815	182471	6.7	3.00	15,000	6,800
5/8	16	10	10	C-501	5665015	182488	10.5	4.80	22,600	10,300
3/4	20	10	10	C-502	5665215	182495	15.6	7.10	35,300	16,000
7/8	22	10	10	C-503	5665415	152948	24.1	10.90	42,700	19,400
1	26	8	8	C-504	5661615	078965	33.7	15.30	47,700	21,600
1 1/4	32	8	8	C-505	5662015	078972	52.0	23.60	72,300	32,800

Dimensions and weights are approximate.  
**WARNING:** Do not exceed Working Load Limit.



Chain Size		Dimensions															
		R		T		Ed		Es		D		W		H		Spherical Radius	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
9/32	7	4.75	121	2.5	64	.62	16	.47	12	1.30	33	1.00	25	1.56	40	.25	6
3/8	10	5.75	146	3.0	76	.75	19	.62	16	1.56	40	1.25	32	1.87	47	.31	8
1/2	13	6.87	174	3.5	89	1.00	25	.75	19	1.81	46	1.50	38	2.25	57	.37	9
5/8	16	8.06	205	4.0	102	1.25	32	.87	22	2.33	59	1.75	44	2.62	67	.44	11
3/4	20	9.25	235	4.5	114	1.50	38	1.00	25	2.81	71	2.00	51	3.00	76	.50	13
7/8	22	10.37	263	5.0	127	1.84	47	1.12	28	3.08	78	2.25	57	3.37	86	.56	14
1	26	11.56	294	5.5	140	2.09	53	1.25	32	3.25	83	2.50	64	3.75	95	.62	16
1 1/4	32	12.87	327	6.0	152	2.47	63	1.37	35	3.88	99	3.00	76	4.25	108	.75	19

CAMPBELL CHAIN

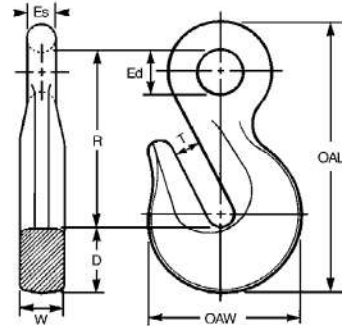


## Rigging Accessories

### Cam-Alloy Grab Hooks

CAMPBELL CHAIN

Chain Size	in.	mm	System	Hook No.	Cat. No.	UPC No. 020418	Approx. Weight Each		Working Load Limit	
							lb	kg	lb	kg
5/32	7	10	10	C-72	5624415	182303	.60	.27	4,300	1,950
3/8	10	10	10	C-73	5624615	182310	.90	.41	8,800	4,000
1/2	13	10	10	C-75	5624815	182327	1.78	.81	15,000	6,800
5/8	16	10	10	C-76	5625015	182334	4.41	2.00	22,600	10,300
3/4	20	10	10	C-77	5625215	182341	7.50	3.40	35,300	16,000
7/8	22	10	10	C-78	5625415	152979	12.20	5.50	42,700	19,400
1	26	8	8	C-79	5621615	078651	19.90	9.03	47,700	21,600
1 1/4	32	8	8	C-51	5622015	180156	38.10	17.30	72,300	32,800



Chain Size	Dimensions																
	R		T		Ed		Es		D		W		OAL		OAW		
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
5/32	7	2.50	64	.37	9	.56	14	.37	9	.81	21	.59	15	3.69	94	1.87	47
3/8	10	2.41	61	.50	13	.75	19	.44	11	1.16	29	.66	17	4.00	102	2.56	65
1/2	13	3.40	86	.66	17	1.12	28	.56	14	1.44	37	.88	22	5.40	137	3.50	89
5/8	16	4.22	107	.78	20	1.22	31	.69	18	1.75	44	1.12	28	6.66	169	4.25	108
3/4	20	5.15	131	.94	24	1.44	37	1.00	25	2.12	54	1.38	35	8.28	210	5.18	132
7/8	22	7.00	178	1.06	27	1.75	44	1.00	25	2.44	62	1.62	41	10.44	265	5.68	144
1	26	7.98	203	1.19	30	1.87	47	1.12	28	3.00	76	1.81	46	12.14	308	6.75	171
1 1/4	32	10.00	254	1.50	38	2.25	57	1.50	38	3.75	95	2.25	57	15.25	387	8.63	219

Dimensions and weights are approximate.

Note: Use of chain in a grab hook may reduce the breaking load of the chain by up to 20%

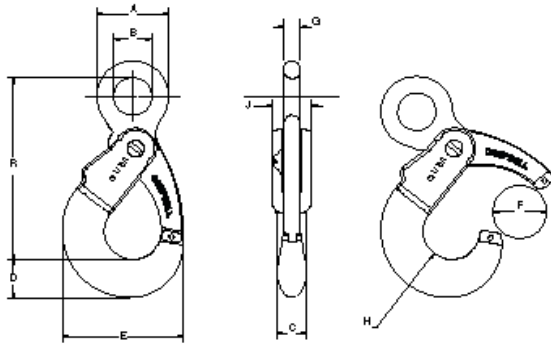
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## Rigging Accessories

### Self-locking Eye Hooks



- Fatigue tested to ASTM A952
- Meets the intent of OSHA regulation 1926.550(g)(4)(iv)(b)
- Latch closes automatically under load
- Integrated forged latch with positive lock capability
- Trigger assembly is completely replaceable
- Eye style is designed to accommodate heavy duty wire rope thimbles
- Stamped with recommended wire rope size



Chain Size	Cat. No.	UPC No. 020418	Approx. Weight Each		Working Load Limit		Wire Rope Size		Working Load Limit 5 to 1*	
			lb	kg	lb	kg	in.	mm	lb	kg
9/32	7	5648495	2.25	1.06	4,300	1,950	7/16	11	3,800	1,724
3/8	10	5648695	4	1.86	8,800	4,000	1/2	13	7,000	3,175
1/2	13	5648895	8.65	3.97	15,000	6,800	5/8	16	12,000	5,443
5/8	16	5649095	13.8	6.03	22,600	10,300	3/4	22	18,000	8,165

\*To meet the design requirements of Wire Rope Slings.

Chain Size	Dimensions									
	A	B	C	D	E	F	G	H	J	R
in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm
9/32	7 1.875 47.6	1000 25.4	0.938 23.8	1.020 25.9	3.594 91.3	1.625 41.3	0.438 11.1	0.875 22.2	1.250 31.8	5.468 138.9
3/8	10 2.375 60.3	1.375 34.9	1.125 28.6	1.250 31.8	4.312 109.5	1.875 47.6	0.578 14.7	1.063 27.0	1.500 38.1	6.500 165.1
1/2	13 3.188 81.0	1.688 42.9	1.312 33.3	1.796 45.6	5.404 137.3	2.250 57.2	0.688 17.5	1.281 32.5	1.750 44.5	8.750 222.3
5/8	16 3.500 88.9	2.000 50.8	1.500 38.1	2.169 55.1	6.500 165.1	2.375 60.3	0.750 19.1	1.500 38.1	2.000 50.8	10.000 254.0

CAMPBELL CHAIN

### Repair Kits



Hook Size	Cat. No.	UPC No. 020418
9/32	7	5788495
3/8	10	5788695
1/2	13	5788895
5/8	16	5789095

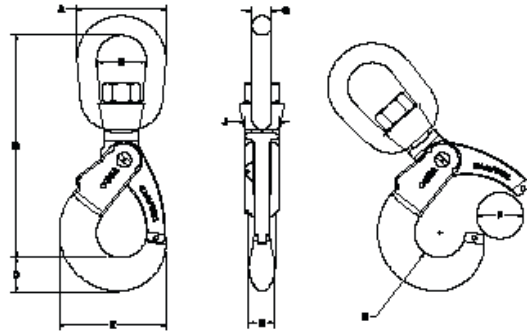
#### Repair Kit Contents:

- Pivot Pin
- Drive Pins (3)
- Trigger
- Trigger Spring
- Spring Alignment Insert

## Rigging Accessories

### Self-locking Swivel Hooks

- Fatigue tested to ASTM A952
- Meets the intent of OSHA regulation 1926.550(g)(4)(iv)(b)
- Latch closes automatically under load
- Integrated forged latch with positive lock capability
- Trigger assembly is completely replaceable
- **HOOK IS NOT DESIGNED TO SWIVEL UNDER LOAD**



Chain Size	Cat. No.	UPC No. 020418	Approx. Weight Each		Working Load Limit		Wire Rope Size		Working Load Limit 5 to 1*	
			lb	kg	lb	kg	in.	mm	lb	kg
5/32	7	5798495	2.25	1.06	4,300	1,950	3/16	11	3,800	1,724
3/8	10	5798695	4	1.86	8,800	4,000	1/2	13	7,000	3,175
1/2	13	5798895	8.65	3.97	15,000	6,800	5/8	16	12,000	5,443
5/8	16	5799095	13.8	6.03	22,600	10,300	3/4	22	18,000	8,165

\*To meet the design requirements of Wire Rope Slings.

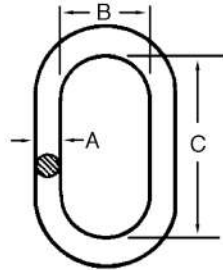


Chain Size	Dimensions										
	A	B	C	D	E	F	G	H	J	R	
in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	
5/32	7 3.000 76	1.750 44	0.938 23.8	1.020 25.9	3.594 91.3	1.625 41.3	0.625 16	0.875 22.2	1.250 31.8	7.688 195	
3/8	10 3.500 89	2.000 51	1.125 28.6	1.250 31.8	4.312 109.5	1.875 47.6	0.750 19	1.063 27.0	1.500 38.1	8.813 224	
1/2	13 4.500 114	2.500 64	1.312 33.3	1.796 45.6	5.404 137.3	2.250 57.2	1.000 25	1.281 32.5	1.750 44.5	11.250 286	
5/8	16 5.625 143	3.500 89	1.500 38.1	2.169 55.1	6.500 165.1	2.375 60.3	1.250 32	1.500 38.1	2.000 50.8	13.438 341	

CAMPBELL CHAIN

## Rigging Accessories

### Cam-Alloy Oblong Links



Link No.	Cat. No.	UPC No. 020418	Approx. Weight Each		Working Load Limit 4 to 1*	
			lb	kg	lb	kg
CO-0	5685615	079214	.50	.23	4,200	1,900
VO-1	5683215	182549	1.90	.86	8,600	3,900
VO-2	5683315	182556	2.63	1.19	17,600	8,000
VO-3	5683415	182563	6.78	3.08	30,000	13,600
VO-4	5683515	182570	9.20	4.17	45,200	20,500
VO-5	5683615	182587	18.90	8.60	70,600	32,100
VO-6	5683715	182594	28.71	13.00	105,900	48,100
CO-7	5687015	079351	37.80	16.92	102,600	46,600
CO-8	5687215	079375	54.00	24.49	144,600	65,700

Link No.	Nominal Diameter Material A		Inside				Used with Type and Size of Sling					
							Single Type S & C		Double Type D		Triple or Quad Type T or Q	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
CO-0	1 <sup>3</sup> / <sub>32</sub>	10	1 <sup>1</sup> / <sub>2</sub>	38	3	76	7 <sup>1</sup> / <sub>32</sub>	6	7 <sup>1</sup> / <sub>32</sub>	6	-	-
VO-1	3 <sup>7</sup> / <sub>64</sub>	15	2 <sup>1</sup> / <sub>2</sub>	64	5	127	9 <sup>1</sup> / <sub>32</sub>	7	9 <sup>1</sup> / <sub>32</sub>	7	7 <sup>1</sup> / <sub>32</sub>	6
VO-2	1 <sup>3</sup> / <sub>16</sub>	21	3	76	6	152	3 <sup>3</sup> / <sub>8</sub>	10	3 <sup>3</sup> / <sub>8</sub>	10	9 <sup>1</sup> / <sub>32</sub>	7
VO-3	1 <sup>1</sup> / <sub>8</sub>	29	4	102	8	203	1 <sup>1</sup> / <sub>2</sub> or 5 <sup>1</sup> / <sub>8</sub>	13 or 16	1 <sup>1</sup> / <sub>2</sub>	13	3 <sup>3</sup> / <sub>8</sub>	10
VO-4	1 <sup>1</sup> / <sub>4</sub>	32	4	102	8	203	3 <sup>1</sup> / <sub>4</sub>	19	5 <sup>1</sup> / <sub>8</sub>	16	1 <sup>1</sup> / <sub>2</sub>	13
VO-5	1 <sup>5</sup> / <sub>8</sub>	41	5 <sup>1</sup> / <sub>4</sub>	133	10 <sup>1</sup> / <sub>2</sub>	267	7 <sup>1</sup> / <sub>8</sub>	22	3 <sup>1</sup> / <sub>4</sub>	19	5 <sup>1</sup> / <sub>8</sub>	16
VO-6	1 <sup>7</sup> / <sub>8</sub>	48	6	152	12	305	1	26	7 <sup>1</sup> / <sub>8</sub>	22	3 <sup>1</sup> / <sub>4</sub>	19
CO-7	2	51	7	178	14	356	1 <sup>1</sup> / <sub>4</sub> or 1 <sup>1</sup> / <sub>2</sub>	32 or 38	1	26	--	--
CO-8	2 <sup>1</sup> / <sub>4</sub>	57	8	203	16	406	-	-	1 <sup>1</sup> / <sub>4</sub> or 1 <sup>1</sup> / <sub>2</sub>	32 or 38	7 <sup>1</sup> / <sub>8</sub> or 1	22 or 26

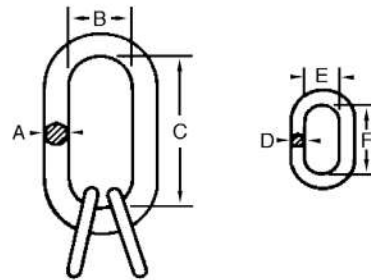
Dimensions and weights are approximate.



## Rigging Accessories

### Cam-Alloy Oblong, Master Link Sub-Assembly

Chain Size in. mm	Cat. No.	UPC No. 020418	Approx. Weight Each		Working Load Limit	
			lb	kg	lb	kg
9/32 7	5682215	182501	4.40	2	12,900	5,900
3/8 10	5682315	182846	9.50	4	26,400	12,000
1/2 13	5682415	182518	16.00	7	45,000	20,500
5/8 16	5682515	182525	31.75	14	67,800	30,800
3/4 20	5682615	182532	50.00	23	105,900	48,100
7/8 22	5682715	167409	65.90	30	128,100	58,200



• For construction of Quad Slings, and Double Basket Slings

Chain Size in. mm	Oblong Master Link						Master Coupling Link					
	Nominal Diameter Material		Inside Dimensions				Nominal Diameter Material		Inside Dimensions			
	A		Width B		Length C		D		Width E		Length F	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
9/32 7	13/16	21	3	76	6	152	17/32	13	1 1/2	38	2 3/4	70
3/8 10	1 1/8	29	4	102	8	203	25/32	20	1 9/16	40	2 7/8	73
1/2 13	1 1/4	32	4	102	8	203	1	25	3	76	5	127
5/8 16	1 5/8	41	5 1/4	133	10 1/2	267	1 1/4	32	4	102	6	152
3/4 20	1 7/8	48	6	152	12	305	1 1/2	38	4	102	6	152
7/8 22	2 1/4	57	8	203	16	406	1 3/4	44	4	102	6	152

Dimensions and weights are approximate.  
These items are made to order.

## Rigging Accessories

### Quik-Alloy Chain Slings

The Campbell Quik-Alloy system provides proof tested and certified components for easily and quickly assembling all of the popular types of chain slings plus many special slings. Hooks and coupling links have rotating load pins that resist bending and offer shear values equivalent to the chain. The

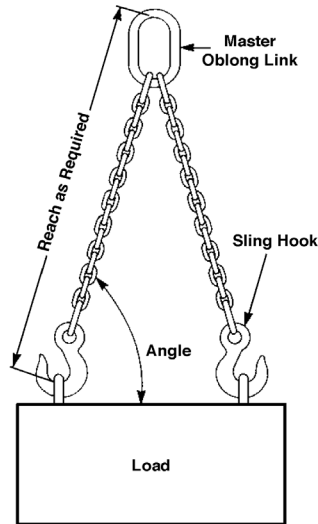
open design of the hooks allows for easy inspection. All Quik-Alloy components are sized and identified according to the chain with which they are to be used. They meet or exceed all OSHA, ANSI, and ASME specifications.

### How to Design Quik-Alloy Chain Slings

1. Determine the maximum LOAD to be lifted.
2. Choose the TYPE of sling assembly necessitated by the size and dimension of the load.
3. Estimate the approximate ANGLE to the load in which the legs of the assembly will be positioned for operation.
4. Determine the SIZE OF CHAIN ATTACHMENTS by referring to the Assembly Tables that follow. On multi-leg slings, if the distance between the points of attachment equals the reach of the sling, the angle is approximately 60°
5. Determine the overall REACH (see illustration). Use the Assembly Tables that follow to determine length of Campbell chain to order.
6. Attach field identification tag to all slings. One box of 50-No. 7503506.

For any problem involving reach, angle of lift or working load limit, consult your local Campbell distributor. Remember to use only Campbell "Quik-Alloy" components in assembling chain slings.

SUBSTITUTION OF ANY COMPONENTS WITH PARTS NOT INDICATED ON THE CHART COULD SERIOUSLY DIMINISH THE WORKING LOAD OF THE ASSEMBLY. Do not use any coupling links to repair damaged or broken chain. It is imperative that such chain be replaced.



### How to Assemble Quik-Alloy Coupling Links



1. Loop one half of body over the master link at the flat embossed area, the other half through the chain. Fit together.



2. Place stud assembly and alloy locking pin in link as shown.



3. Drive the locking pin in until the snap ring engages the recessed portion of the pin. (Link is disassembled by simply driving locking pin out.)

## Rigging Accessories

### How to Use Quik-Alloy Chain Sling Assembly Tables

If the overall reach of your sling is determined to be more than five feet, subtract five feet, then add this difference to the "chain needed" length given on the Assembly Table. If overall reach is less than five feet, subtract reach from five feet. Then subtract the difference from the "chain needed" length in the Assembly Table. All measurements are based on using Quik-Alloy hooks (not Cam-Alloy hooks).

WHEN USING QUIK-ALLOY HOOKS (NOT CAM-ALLOY HOOKS), BE SURE THAT EACH LEG OF A DOUBLE SLING HAS THE SAME, EVEN (DIVISIBLE BY TWO) NUMBER OF LINKS. For triple or quad slings, each leg should have odd numbers of links to compensate for coupling links on master link sub-assembly. When cutting, if the required reach falls within a link, LEAVE THAT LINK. Reach measurements are given as a minimum. Never cut less than specified reach.

### Quik-Alloy Chain Sling Assembly Tables

Chain Size	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
	5/8	7	3/8	10	1/2	13	5/8	16	3/4	19


**Single Chain Slings: Types S and C**

Working Load Limit	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
	4,300	1,952	8,800	3,995	15,000	6,810	22,600	10,260	35,300	16,026
<b>Master Link Number</b>	VO-1		VO-2		VO-3		VO-3		VO-4	
<b>Cat. No.</b>	Master Link	5683215	5683315	5683415	5683515	5683615				
	QA Sling Hook	5744415	5744615	5744815	5745015	5745215				
	QA Grab Hook	5724415	5724615	5724815	5725015	5725215				
	QA Coupling Link	5779125	5779135	5779145	5779155	5779165				
Chain needed for 5' reach	Sling Hook	4'1"	3'10"	3'7"	3'5"	3'3"				
	Grab Hook	4'3"	4'0"	3'9"	3'8"	3'6"				


**Double Chain Slings: Type D**

Working Load Limit	60°	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
	45°	7,500	3,405	15,200	6,901	26,000	77,804	39,100	17,751	61,100	27,739
30°	6,100	2,769	12,400	5,630	21,200	9,625	32,000	14,528	49,900	22,655	
	4,300	1,952	8,800	3,995	15,000	6,810	22,600	10,260	35,300	16,026	
<b>Master Link Number</b>		VO-1		VO-2		VO-3		VO-4		VO-5	
<b>Cat. No.</b>	Master Link	5683215	5683315	5683415	5683515	5683615					
	QA Sling Hook	5744415	5744615	5744815	5745015	5745215					
	QA Grab Hook	5724415	5724615	5724815	5725015	5725215					
	QA Coupling Link	5779125	5779135	5779145	5779155	5779165					
Chain needed for 5' reach	Sling Hook	4'1"	3'10"	3'7"	3'5"	3'1"					
	Grab Hook	4'3"	4'0"	3'9"	3'8"	3'3"					


**Triple Chain Slings: Type T and Quad Chain Slings: Type Q**

Working Load Limit	60°	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
	45°	11,200	5,085	22,800	10,351	39,000	17,706	58,700	26,650	91,700	41,632
30°	9,100	4,131	18,600	8,444	31,800	14,437	47,900	21,747	74,900	34,005	
	6,450	2,928	13,200	5,993	22,500	10,215	33,900	15,391	53,000	24,062	
<b>Master Link Number</b>		VO-2		VO-3		VO-4		VO-5		VO-6	
<b>Cat. No.</b>	Sub-Assembly	5682215	5682315	5682415	5682515	5682615					
	QA Sling Hook	5744415	5744615	5744815	5745015	5745215					
	QA Grab Hook	5724415	5724615	5724815	5725015	5725215					
	QA Coupling Link	5779125	5779135	5779145	5779155	5779165					
Chain needed for 5' reach	Sling Hook	3'10"	3'6"	3'2"	2'10"	2'5"					
	Grab Hook	3'11"	3'8"	3'4"	2'10"	2'8"					

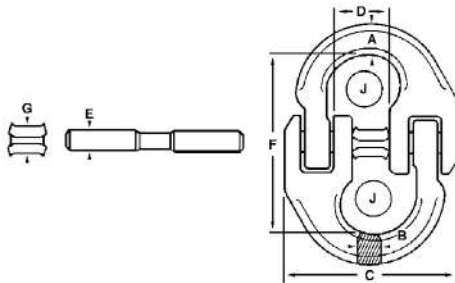
## Rigging Accessories

### Quik-Alloy Coupling Links

**How to Assemble:**

1. Loop one half body through attachment, the other through chain. Fit together.
2. Place stud assembly and alloy locking pin in link.
3. Drive the locking pin in until the snap ring engages the recessed portion of the pin. (Link is disassembled by simply driving locking pin out.)

4. Per ASME B30.9, Section 9.1.3. "Mechanical coupling links shall not be used within the body of an alloy chain sling to connect two pieces of chain."



Chain Size	in.	mm	System	Cat. No.	UPC No. 020418	Approx. Weight Each		Working Load Limit	
						lb	kg	lb	kg
7/32	5.5	8	5770315	079993	.10	.05	2,100	970	
9/32	7	10	5779125	182754	.27	.13	4,300	1,950	
3/8	10	10	5779135	182761	.55	.25	8,800	4,000	
1/2	13	10	5779145	182860	1.65	.75	15,000	6,800	
5/8	16	10	5779155	182778	2.70	1.23	22,600	10,300	
3/4*	19	10	5779165	182785	4.30	1.95	35,300	16,000	
7/8*	22	10	5779175	080050	4.35	1.97	42,700	19,400	
1	26	8	5771615	080067	8.43	3.82	47,700	21,600	
1 1/4	32	8	5772015	080074	15.74	7.14	72,300	32,800	
Pins and Retainers									
7/32	7	10	5784425	182792	.02	.009	-	-	
3/8	10	10	5784435	182808	.06	.027	-	-	
1/2	13	10	5784445	182815	.11	.050	-	-	
5/8	16	10	5784455	182822	.17	.077	-	-	
3/4*	19	10	5784465	182839	.35	.159	-	-	
7/8*	22	10	5784165	181740	-	-	-	-	

Chain Size	Dimensions																
	A		B		C		D		E		F		G		Max. Mat. Dia		
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
7/32	5.5	17/64	7	7/32	6	15/16	33	7/16	11	5/32	4	1 17/32	39	3/8	10	1 1/2	13
9/32	7	3/8	10	11/32	9	23/32	44	9/16	14	13/64	5	1 3/8	60	3/8	10	37/64	15
3/8	10	1/2	13	7/16	11	2 3/8	60	13/16	21	3/16	8	2 1/16	62	23/64	9	13/16	21
1/2	13	11/16	17	9/16	14	3	76	1 1/2	26	25/64	10	3 3/8	86	29/64	12	1 3/16	30
5/8	16	13/16	21	23/32	18	3 1/8	98	1 5/8	33	15/32	12	3 29/32	99	35/64	14	1 5/16	33
3/4	20	15/16	24	61/64	24	4 5/8	117	1 9/16	40	9/16	14	4 1/4	121	*	16	1 11/16	43
7/8	22	1 3/16	30	1 1/16	24	5 3/8	137	1 13/16	46	41/64	16	5 5/16	135	*	30	1 7/8	48
1	26	1 15/64	31	1 3/64	29	5 7/8	149	2 1/32	52	11/16	17	5 7/8	149	1 3/8	35	2 1/8	54
1 1/4	32	1 1/2	38	1 3/8	35	7 3/8	187	2 9/32	58	15/16	24	6 15/16	176	1 5/8	41	2 11/32	60

Dimensions and weights are approximate.  
 \* 3/4 and 7/8 use special oversize retainers.

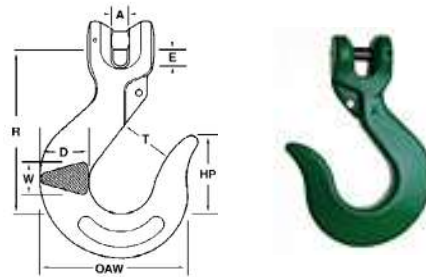
CAMPBELL CHAIN



## Rigging Accessories

### Quik-Alloy Sling Hooks, Regular

Chain Size	Cat. No.	UPC No. 020418	Approx. Weight Each		Working Load Limit	
			lb	kg	lb	kg
9/32	5746415	222344	1.5	.68	4,300	1,950
3/8	5746615	221606	2.8	1.27	8,800	4,000
1/2	5746815	222863	6.6	3.0	15,000	6,800
5/8	5747015	225123	10.5	4.76	22,600	10,300
3/4	5747215	225147	17.6	7.98	35,300	16,000

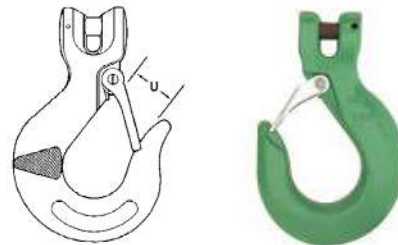


Chain Size	Dimensions																				
	R		T		U		A		E		Load Pin Dia.		D		W		HP		OAW		
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
9/32	7	3 3/4	95	1 1/4	32	1 1/16	27	5/16	8	1 1/32	9	3/8	10	1 1/8	29	3/4	19	1.78	45	3 7/8	98
3/8	10	4 3/4	121	1 5/16	41	1 5/16	33	7/16	11	1/2	13	1/2	13	1 1/16	37	1	25	2 3/8	60	4 1/2	114
1/2	13	5 3/4	146	1 7/8	48	1 1/2	38	9/16	14	5/8	16	5/8	16	2	50	1 3/8	36	3	76	6	152
5/8	16	7	178	2 3/8	59	1 3/4	44	23/32	18	3/4	19	3/4	19	2 3/8	60	1 1/2	39	3	76	6 3/16	169
3/4	20	7 3/4	197	2 1/2	64	2 3/16	56	13/16	21	7/8	22	15/16	23	2 7/8	74	1 3/4	44	3 3/8	86	7 3/4	197

Dimensions and weights are approximate.

### Quik-Alloy Sling Hooks, Latched

Chain Size	Cat. No.	UPC No. 020418	Approx. Weight Each		Working Load Limit	
			lb	kg	lb	kg
9/32	5746495	222337	1.5	.68	4,300	1,950
3/8	5746695	221576	2.8	1.27	8,800	4,000
1/2	5746895	222849	6.6	3.0	15,000	6,800
5/8	5747095	225130	10.5	4.76	22,600	10,300
3/4	5747295	225116	17.6	7.98	35,300	16,000



Chain Size	Dimensions																				
	R		T		U		A		E		Load Pin Dia.		D		W		HP		OAW		
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
9/32	7	3 3/4	95	1 1/4	32	1 1/16	27	5/16	8	1 1/32	9	3/8	10	1 1/8	29	3/4	19	1.78	45	3 7/8	98
3/8	10	4 3/4	121	1 5/16	41	1 5/16	33	7/16	11	1/2	13	1/2	13	1 1/16	37	1	25	2 3/8	60	4 1/2	114
1/2	13	5 3/4	146	1 7/8	48	1 1/2	38	9/16	14	5/8	16	5/8	16	2	50	1 3/8	36	3	76	6	152
5/8	16	7	178	2 3/8	59	1 3/4	44	23/32	18	3/4	19	3/4	19	2 3/8	60	1 1/2	39	3	76	6 3/16	169
3/4	20	7 3/4	197	2 1/2	64	2 3/16	56	13/16	21	7/8	22	15/16	23	2 7/8	74	1 3/4	44	3 3/8	86	7 3/4	197

Dimensions and weights are approximate.

## Rigging Accessories

### Quik-Alloy Latches (Old Style)



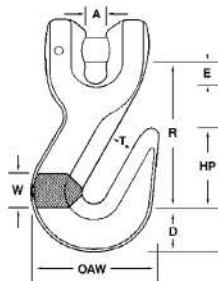
Chain Size		Sling Hook	Sling Hook with Latch	Standard Latch No.
in.	mm			
9/32	7	5744415	5744495	3990401
3/8	10	5744615	5744695	3990601
1/2	13	5744815	5744895	3990701
5/8	16	5745015	5745095	3991001
3/4	20	5745215	5745295	3991001

### Quik-Alloy Latches (New Style)



Chain Size		Sling Hook	Sling Hook with Latch	Standard Latch No.
in.	mm			
9/32	7	5646415	5646495	7506495
3/8	10	5646615	5646695	7506695
1/2	13	5646815	5646895	7506895
5/8	16	5647015	5647095	7507095
3/4	20	5647215	5647295	7507295

### Quik-Alloy Grab Hooks



Chain Size		Cat. No.	UPC No. 020418	Approx. Weight Each		Working Load Limit	
in.	mm			lb	kg	lb	kg
9/32	7	5724415	182600	.5	.23	4,300	1,950
3/8	10	5724615	182617	1.6	.73	8,800	4,000
1/2	13	5724815	182624	2.6	1.18	15,000	6,800
5/8	16	5725015	182631	5.2	2.36	22,600	10,300
3/4	20	5725215	182648	10.5	4.77	35,300	16,000

Chain Size		Dimensions																	
		R		T		A		E		Load Pin Dia.		D		W		HP		OAW	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
9/32	7	2 11/32	60	3/8	10	5/16	8	1 1/32	9	3/8	10	1 3/16	21	5/8	16	1 1/4	32	2	51
3/8	10	2 29/32	74	1/2	13	7/16	11	1/2	13	1/2	13	1 1/4	32	3/4	19	1 5/8	41	2 13/16	71
1/2	13	3 23/32	94	2 1/32	17	3/8	14	5/8	16	3/8	16	1 1/2	38	1 5/8	24	2	51	3 1/2	89
5/8	16	4 1/16	113	2 5/32	20	2 3/32	18	3/4	19	3/4	19	1 3/4	44	1 7/8	31	2 5/8	67	4 1/8	105
3/4	20	5 1/8	130	3 1/32	25	1 3/16	21	7/8	22	7/8	22	2 1/8	54	1 3/4	35	3 1/4	83	4 7/8	124

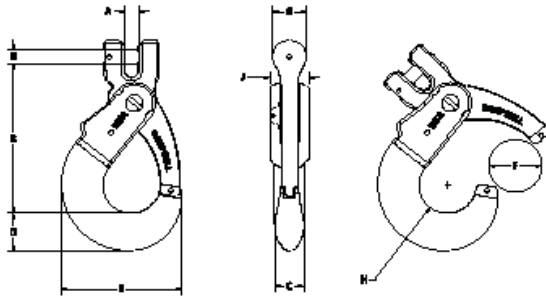
Dimensions and weights are approximate.

Note: Use of chain in a grab hook may reduce the breaking load of the chain by up to 20%.

## Rigging Accessories

### Cam-Lok Self-locking Clevis Hooks

- Fatigue tested to ASTM A952
- Meets the intent of OSHA regulation 1926.550(g)(4)(iv)(b)
- Latch closes automatically under load
- Integrated forged latch with positive lock capability
- Trigger assembly is completely replaceable



Chain Size	Cat. No.	UPC No. 020418	Approx. Weight Each		Working Load Limit	
			lb	kg	lb	kg
3/32	5748495	193309	2.35	1.06	4,300	1,950
3/16	5748695	193316	4.1	1.86	8,800	4,000
1/2	5748895	193323	8.75	3.97	15,000	6,800
5/8	5749095	193330	13.3	6.03	22,600	10,300

Chain Size	Dimensions																				
	A	B	C	D	E	F	G	H	J	R											
3/32	7	0.312	7.9	0.375	9.5	0.938	23.8	1.020	25.9	3.594	91.3	1.625	41.3	1.000	25.4	0.875	22.2	1.250	31.8	4.688	119.1
3/16	10	0.438	11.3	0.500	12.7	1.125	28.6	1.250	31.8	4.312	109.5	1.875	47.6	1.125	28.6	1.063	27.0	1.500	38.1	5.563	141.3
1/2	13	0.563	14.3	0.625	15.9	1.312	33.3	1.796	45.6	5.404	137.3	2.250	57.2	1.500	38.1	1.281	32.5	1.750	44.5	6.844	173.8
5/8	16	0.719	18.3	0.750	19.0	1.500	38.1	2.169	55.1	6.500	165.1	2.375	60.3	1.625	41.3	1.500	38.1	2.000	50.8	8.250	209.6

CAMPBELL CHAIN

### Cam-Lok Repair Kits

**Repair Kit Contents:**

- Pivot Pin
- Drive Pins (3)
- Trigger
- Trigger Spring
- Spring Alignment Insert

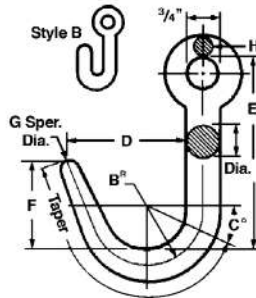
Hook Size	Cat. No.	UPC No. 020418
3/32	5788495	207518
3/16	5788695	207525
1/2	5788895	210600
5/8	5789095	211874



Campbell®

## Rigging Accessories

### Miscellaneous Cam-Alloy Sling Products "J" Hooks



Style	Nominal Dia. Material		Cat. No.	UPC No. 020418	Approx. Weight Each		Working Load Limit	
	in	mm			lb	kg	lb	kg
A	3/4	19	5616215	078484	1.2	.54	2,250	1,000
B	1	26	5616615	078491	2.8	1.27	3,600	1,600
*A	1	26	5616616	189777	2.8	1.27	3,600	1,600

Style	Nominal Dia. Material		Dimensions												
	in.	mm	B°	C°	D		E		F		G		H		
			in.	mm	Angle	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
A	3/4	19	1.31	33	25	2.69	68	4.38	111	2.06	52	.38	10	15/32	12
B	1	26	2.00	51	90	3.64	92	6.75	171	4.00	102	.28	7	15/32	12
*A	1	26	2.00	51	90	4.13	105	6.75	171	3.88	99	.28	7	15/32	12

\*Available on special order only.  
Dimensions and weights are approximate.

### "S" Hooks



Nominal Dia. Material		Cat. No.	UPC No. 020418	Dimensions								Approx. Weight Each		Working Load Limit	
in.	mm			A	B	C	R	lb	kg	lb	kg				
				in.	mm	in.	mm	in.	mm	in.	mm				
9/32	7	5610405	078262	2.75	70	.75	19	.38	10	.38	10	.07	.03	250	110
3/8	10	5610605	078279	4.13	105	1.13	29	.56	14	.56	14	.33	.15	500	200
1/2	13	5610805	078286	5.50	140	1.50	38	.75	19	.75	19	.59	.27	1,000	500
5/8	16	5611005	078293	7.00	178	1.88	48	.94	24	.94	24	1.24	.56	1,500	700
3/4	19	5611205	078309	8.25	210	2.25	57	1.13	29	1.13	29	2.31	1.05	2,000	900
7/8	22	5611405	181580	9.63	245	2.63	67	1.31	33	1.31	33	3.05	1.38	2,700	1,200
1	26	5611605	078323	11.00	279	3.00	76	1.50	38	1.50	38	4.45	2.02	3,200	1,500
1 1/8	29	5611805	180125	12.13	308	3.38	86	1.69	43	1.69	43	6.48	2.94	3,500	1,600

Dimensions and weights are approximate.  
These items are made to order.

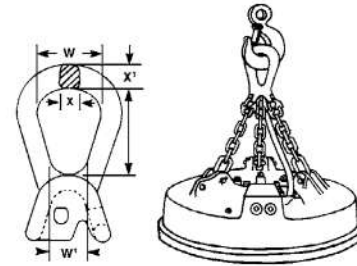


## Rigging Accessories

### Magnet Chains (bell type)

The Campbell Magnet Bell

- Alloy casting with no moving parts
- Designed for operational ease and long life
- Supplied with Quik-Alloy® coupling links
- Equally spaced legs
- All legs operate without twist
- Entire assembly is proof tested alloy steel
- Bell stands upright when at rest



Chain Size	Cat. No.	UPC No. 020418	Magnet Diameter		Standard Total Reach†		Length of Two Links		Approx. Wgt. of Assy.		Approx. Weight Each		Working Load Limit		
			in.	mm	in.	mm	in.	mm	lb	kg	lb	kg	lb	kg	
3/4	20	0431235	179938	39-44	991-1118	33 1/2	851	4 3/8	111	75	34	37	17	59,700	27,100
7/8	22	0431435	179946	44-45	1118-1143	35 1/2	902	4 7/8	124	92	42	37	17	74,700	33,900
1	26	0431635	179952	45-60	1143 - 1524	39 1/2	1003	5 5/8	143	137	62	60	27	100,600	45,700
1 1/4	32	0432035	179969	60 & over	1524 & over	49 1/2	1257	7	178	281	127	124	56	149,400	67,800

Chain Size	Dimensions										Dia.	Inside Dimensions		Length of Two Links					
	Bell Dimensions											Width	Length						
	X1	X	W	L	W1	in.	mm	in.	mm	in.					mm				
3/4	20	2	51	2	51	4 1/4	108	7	178	3	76	3/8	22	2	51	6	152	4 3/8	111
7/8	22	2	51	2	51	4 1/4	108	7	178	3	76	1	25	2 1/8	54	6	152	4 7/8	124
1	26	2 3/4	70	2 1/4	57	5 3/16	132	8	203	3 1/2	89	1 1/8	29	2 1/4	57	6	152	5 5/8	143
1 1/4	32	2 1/2	64	2 1/2	64	7 1/2	191	11	279	6	152	1 1/2	38	2 5/8	67	7	178	7	178

† Reach shown is standard unless otherwise specified. If additional reach is required, add 2 link increments to each leg. Dimensions and weights are approximate. These items are made to order.

### Field I.D. Tags

These tags are designed for field attachment. They are pre-stamped for easy addition of reach, working load limit, chain size, chain grade and sling serial number. Each steel tag measures 1 1/2" x 4 1/8" x 5/32" thick and has a 1 1/16"-diameter hole. Cut at top of tag allows you to attach to sling link. Also available solid (without split).  
Box of 50 tags (order unit is "Carton").

Type	Cat. No.	UPC No. 020418	Tags Per Carton
Split	7503506	135309	50
Solid	7503506C	217319	50



## Wire Rope End Terminators

### Fist Grip® Wire Rope Clips

#### G-429 Fist Grip Clips

- Entire clip is Galvanized to resist corrosive and rusting action.
- Bolts are an integral part of the saddle.
- Nuts can be installed in such a way as to enable the operator to swing the wrench in a full arc for fast installation.
- All sizes have forged steel saddles.
- All Clips are individually bagged or tagged with proper application instructions and warning information.
- Crosby products meet or exceed all the requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, Crosby products meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- Assembled with standard heavy hex nuts.

New Style  
Fist Grip® Clips  
3/16" - 5/8"



Fist Grip® Clips  
3/4" - 1-1/2"



Rope Size (in.)*	G-429 Stock No.	Std. Package Qty.	Weight Per 100 (lbs.)
3/16 - 1/4	1010471	100	23
5/16	1010499	100	28
3/8	1010514	50	40
7/16 - 1/2	1010532	50	62
9/16 - 5/8	1010550	50	103
3/4	1010578	25	175
7/8	1010596	25	225
1	1010612	10	300
1-1/8	1010630	10	400
1-1/4	1010658	10	400
1-3/8 - 1-1/2	1010676	Bulk	700

\*Sizes through 5/8" incorporate New Style design



### S-421T Wedge Sockets

Wire Rope Dia. (in.)	S421T Stock No.*	Weight Each (lbs.)	S-421 TW Stock No. Wedge Only	Wedge Only Weight Each (lbs.)	Optional G-4082 Bolt, Nut & Cotter	
					G-4082 Stock No.	Weight Each (lbs.)
					3/8	1035000
1/2	1035009	6.15	1035564	1.05	1092236	0.69
5/8	1035018	9.7	1035573	1.79	1092254	1.15
3/4	1035027	14.5	1035582	2.6	1092281	1.91
7/8	1035036	21.5	1035591	4	1092307	3.23
1	1035045	30.75	1035600	5.37	1092325	5.4
1-1/8	1035054	45.3	1035609	7.3	1092343	7.5
1-1/4	1035063	64.9	1035618	10.6	1092372	10.34

### Forged Wire Rope Clips

#### G-450 Crosby® Clips

- Each base has a Product Identification Code (PIC) for material traceability, the name CROSBY or "CG," and a size forged into it.
- Entire Clip-Galvanized to resist corrosive and rusting action
- Sizes 1/8" through 2-1/2" have forged bases.
- All Clips are individually bagged or tagged with proper application instructions and warning information.
- Clip sizes up through 1-1/2" have rolled threads.



Rope Size (in.)*	G-450 Stock No.	Std. Package Qty.	Weight Per 100 (lbs.)
1/8*	1010015	100	6
3/16*	1010033	100	10
1/4	1010051	100	19
5/16	1010079	100	28
3/8	1010097	100	48
7/16	1010113	50	78
1/2	1010131	50	80
9/16	1010159	50	109
5/8	1010177	50	110
3/4	1010195	25	142
7/8	1010211	25	212
1	1010239	10	252
1-1/8	1010257	10	283
1-1/4	1010275	10	438
1-3/8	1010293	10	442
1-1/2	1010319	10	544
1-5/8	1010337	Bulk	704
1-3/4	1010355	Bulk	934
2	1010373	Bulk	1300
2-1/4	1010391	Bulk	1600
2-1/2	1010417	Bulk	1900
2-3/4**	1010435	Bulk	2300
3	1010453	Bulk	3100
3-1/2**	1010426	Bulk	4000

\*Electro-plated U-Bolt and Nuts. \*\* 2-3/4" and 3-1/2" base is made of cast steel

- Basket is cast steel.
- Wedge socket terminations have an efficiency rating of 80% based on the catalog strength of XXIP wire rope.
- Individually magnetic particle inspected.
- Pin diameter and jaw opening allow wedge and socket to be used in conjunction with open swage and spelter sockets.
- Secures the tail or "dead end" of the wire rope to the wedge, thus eliminates loss or "Punch out" of the wedge.
- Eliminates need for an extra piece of rope, and is easily installed.
- The TERMINATOR™ wedge eliminates the potential breaking off of the tail due to fatigue.
- The tail, which is secured by the base of the clip and the wedge, is left undeformed and available for reuse.
- Utilizes standard Crosby Red-U-Bolt® wire rope clip.
- Available with Bolt, Nut and Cotter Pin.

## Shackles

the Crosby Group

### Crosby® Round Pin Shackles

- Capacities 1/3 thru 55 metric tons.
- Forged – Quenched and Tempered, with alloy pin.
- Working Load Limit permanently shown on every shackle.
- Hot Dip galvanized
- Fatigue Rated.
- Shackles can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds or other certification. Charged for proof testing and certification available when requested at the time of order.
- Quenched and Tempered, they can meet DNV impact requirements of 42 joules at -20°C.
- Crosby products meet or exceed all the requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements.

Round Pin Anchor Shackles G-213 S-213



Round Pin Chain Shackles G-215 S-215



### Crosby® Screw Pin Shackles

- Capacities 1/2 thru 35 metric tons.
- Forged – Quenched and Tempered, with alloy pin.
- Working Load Limit permanently shown on every shackle.
- Hot Dip galvanized
- Fatigue Rated.
- Shackles can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds or other certification. Charged for proof testing and certification available when requested at the time of order.
- Shackles are Quenched and Tempered and can meet DNV impact requirements of 42 joules at -20 degrees C.

Round Pin Anchor Shackles G-213 S-213



Round Pin Chain Shackles G-215 S-215



#### Round Pin Anchor Shackles

Nominal Size (in.)	Working Load Limit (t)*	Stock No. G-213	Stock No. S-213	Weight Each (lbs.)
1/4	1/2	1018017	1018026	0.13
5/16	3/4	1018035	1018044	0.18
3/8	1	1018053	1018062	0.29
7/16	1-1/2	1018071	1018080	0.38
1/2	2	1018099	1018106	0.71
5/8	3-1/4	1018115	1018124	1.5
3/4	4-3/4	1018133	1018142	2.32
7/8	6-1/2	1018151	1018160	3.49
1	8-1/2	1018179	1018188	5
1-1/8	9-1/2	1018197	1018204	6.97
1-1/4	12	1018213	1018222	9.75
1-3/8	13-1/2	1018231	1018240	13.25
1-1/2	17	1018259	1018268	17.25
1-3/4	25	1018277	1018286	29.46
2	35	1018295	1018302	45.75

#### Round Pin Chain Shackles

Nominal Size (in.)	Working Load Limit (t)*	Stock No. G-215	Stock No. S-215	Weight Each (lbs.)
1/4	1/2	1018810	1018829	0.1
5/16	3/4	1018838	1018847	0.18
3/8	1	1018856	1018865	0.25
7/16	1-1/2	1018874	1018883	0.4
1/2	2	1018892	1018909	0.5
5/8	3-1/4	1018918	1018927	1.21
3/4	4-3/4	1018936	1018945	2
7/8	6-1/2	1018954	1018963	3.28
1	8-1/2	1018972	1018981	4.75
1-1/8	9-1/2	1018990	1019007	6.3
1-1/4	12	1019016	1019025	9
1-3/8	13-1/2	1019034	1019043	12
1-1/2	17	1019052	1019061	16.15
1-3/4	25	1019070	1019089	29.96
2	35	1019098	1019105	43.25

\*NOTE: Maximum Proof Load is 2.0 times the Working Load Limit. Minimum Ultimate Strength is 6 times the Working Load Limit.

Round pin shackles are not suitable for side loading applications

#### Screw Pin Anchor Shackles

Nominal Size (in.)	Working Load Limit (t)*	Stock No. G-209	Stock No. S-209	Weight Each (lbs.)
3/16	1/3	1018357	—	0.06
1/4	1/2	1018375	1018384	0.1
5/16	3/4	1018393	1018400	0.19
3/8	1	1018419	1018428	0.31
7/16	1-1/2	1018437	1018446	0.38
1/2	2	1018455	1018464	0.72
5/8	3-1/4	1018473	1018482	1.37
3/4	4-3/4	1018491	1018507	2.35
7/8	6-1/2	1018516	1018525	3.62
1	8-1/2	1018534	1018543	5.03
1-1/8	9-1/2	1018552	1018561	7.41
1-1/4	12	1018570	1018589	9.5
1-3/8	13-1/2	1018598	1018605	13.53
1-1/2	17	1018614	1018623	17.2
1-3/4	25	1018632	1018641	27.78
2	35	1018650	1018669	45
2-1/2	55	1018678	1018687	85.75

#### Screw Pin Chain Shackles

Nominal Size (in.)	Working Load Limit (t)*	Stock No. G-210	Stock No. S-210	Weight Each (lbs.)
1/4	1/2	1019150	1019169	0.11
5/16	3/4	1019178	1019187	0.17
3/8	1	1019196	1019203	0.28
7/16	1-1/2	1019212	1019221	0.43
1/2	2	1019230	1019249	0.59
5/8	3-1/4	1019258	1019267	1.25
3/4	4-3/4	1019276	1019285	2.63
7/8	6-1/2	1019294	1019301	3.16
1	8-1/2	1019310	1019329	4.75
1-1/8	9-1/2	1019338	1019347	6.75
1-1/4	12	1019356	1019365	9.06
1-3/8	13-1/2	1019374	1019383	11.63
1-1/2	17	1019392	1019409	15.95
1-3/4	25	1019418	1019427	26.75
2	35	1019436	1019445	42.31
2-1/2	55	1019454	1019463	71.75

\*NOTE: Maximum Proof Load is 2.0 times the Working Load Limit. Minimum Ultimate Strength is 6 times the Working Load Limit.



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## Shackles and Hooks

### Crosby® Alloy Bolt Type Shackles

- Quenched and Tempered.
- Alloy bows, Alloy bolts.
- Forged Alloy Steel 30 thru 175 metric tons.
- Cast Alloy Steel 200 thru 400 metric tons.
- Working Load Limit is permanently shown on every shackle.
- All sizes are individually proof tested to 2.0 times the Working Load Limit.
- Pins are galvanized and painted red.
- Shackles are Quenched and Tempered and can meet DNV impact requirements of 42 joules at -20 C.
- Crosby products meet or exceed all the requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, Crosby products meet other critical performance requirements including fatigue life, impact properties and material traceability.
- Shackles 200 metric tons and larger are provided as follows.
  - Non Destructive Tested - Material Certification (Chemical)
  - Serialized Pin and Bow - Magnetic Particle Inspected

G-2140 / S-2140 Alloy Bolt Type Anchor Shackles



Nominal Shackle Size (in.)	Working Load Limit (t)*	Stock No.	Stock No.	Weight Each (lbs.)
		G-2140 Galv.	S-2140 S.C.	
1-1/2	30	1021110	1021129	20.8
1-3/4	40	1021138	1021147	33.9
2	55	1021156	1021165	52
2-1/2	85	1021174	1021183	96
3	120	1021192	-	178
3-1/2	150†	1021218	-	265
4	175†	1021236	-	338
4-3/4**	200†	1021414	-	450
5**	250†	1021432	-	600
6**	300†	1021450	-	775
7**	400†	1021478	-	1102

\* Note: Maximum Proof Load is 2.0 times the Working Load Limit. Minimum Ultimate Load is 4 times the Working Load Limit on 200 - 400 metric Tons. For sizes 30 - 175 metric Tons, Minimum Ultimate Load is 5.4 times the Working Load Limit.  
 \*\* Cast Alloy Steel. † Furnished with Round Head Bolts with welded handle

### Crosby® Eye Hooks

- All Crosby 320 Eye Hoist Hooks incorporate the following features:
- Designed with a 5:1 Design Factor.
  - Chemical analysis and tensile tests performed on each PIC to verify chemistry and mechanical properties.
  - The most complete line of Eye hoist hooks.
  - Proper design, careful forging and precision controlled quenched and tempering give maximum strength without excessive weight and bulk.
  - Every eye hook has a pre-drilled cam which can be equipped with a latch. Latch assemblies can be added.
  - Eye hooks are load rated.
  - Hoist hooks incorporate two types of strategically placed markings forged into the product which address two (2) Q

Additional features incorporated in the Crosby S-320N Eye Hoist Hooks:

- A new cross section design that enhances the overall performance.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- Can be proof tested to 2-1/2 times the working Load Limit.
- Can be Metric Rated at 5:1 Design Factor.
- Low profile hook tip.
- New integrated latch (S-4320) meets the World class standard for lifting.
- Heavy-duty stamped latch interlocks with the hook tip.
- High cycle, long life spring.
- When secured with proper cotter pin through the hole in the tip of hook, meets the intent of OSHA Rule 1926.550(g) for personnel hoisting.

### Crosby® Swivel Hooks

- Forged - Quenched and Tempered.
- Proper design, careful forging and precision controlled quench and tempering gives maximum strength without excessive weight and bulk.
- Every Crosby Swivel hoist hook has a pre-drilled cam which can be equipped with a latch. Even years after purchase of the original hook, latch assemblies can be added.
- Load rating codes stamped on each hook. 322 Swivel Hooks use the same load rating code as 319 Shank Hooks.
- Hoist hooks incorporate markings forged into the product which address two (2) QUIC-CHECK® features:
  - Deformation Indicators - Two strategically placed marks, one just below the shank or eye and the other on the hook tip, which allow for a QUIC-CHECK® measurement to determine if the throat opening has changed, thus indicating abuse or overload.
  - Angle Indicators - Indicate the maximum included angle which is allowed between two (2) sling legs in the hook. These indicators also provide the opportunity to approximate other included angles between two slings legs.

S-322CN / S-322AN



Working Load Limit (t)*	Stock No.	Stock No.	Weight Each (lbs.)	
				Carbon
3/4	1	1048600	1048804	0.75
1	1-1/2	1048609	1048813	1.25
1-1/2	2	1048618	1048822	2.25
2	3	1048627	1048831	2.3
3	5	1048636	1048837	4.96
5	7	1048645	1048854	10.29
7-1/2	11	1048654	1048865	16.18
10	15	1048663	1048877	23.25
15	22	1048672	1048886	47
--	30	--	1025688	70.5

\* NOTE: Carbon swivel hooks .75TC-15TC: proof load is 2 times working load limit. Designed with a 5:1 design factor. Alloy swivel hooks 1.5TA-22TA: proof load is 2.5 times the working load limit. Designed with a 4.5:1 design factor. Alloy swivel hooks 30TA: proof load is 2 times working load limit.

S-320 & S-320N Eye Hooks



- \* Eye Hooks (3/4 TC - 22TA), Proof load is 2.5 times Working Load Limit. Eye Hooks (20 TC - 60TA), Proof Load is 2 times Working Load Limit. All carbon hooks-average straightening loads (ultimate load) is 5 times Working Load Limit. Alloy eye hooks 1 ton through 22 ton average straightening load (ultimate load) is 5 times Working Load Limit. Alloy eye hooks 30 tons through 60 tons-average straightening load (ultimate load) is 4.5 times Working Load Limit.
- † New 320N style hook.

Working Load Limit (t)*	Carbon	Alloy	carbon	carbon	alloy	Weight Each (lbs.)
			S-320C S.C.	G320C Galv.	S-320A S.C.	
3/4†	1†	1022200	1022208	1025802	0.61	
1†	1-1/2†	1022211	1022219	1022386	0.89	
1-1/2†	2†	1022222	1022230	1025811	1.44	
2†	3†	1022233	1022241	1025820	2.07	
3†	5†	1022244	1022249	1025839	4.3	
5†	7†	1022255	1022262	1025848	8.3	
7-1/2†	11†	1022264	1022274	1022441	15	
10†	15†	1022285	1022452	1022452	21.6	
15†	22†	1022288	1022296	1022465	39.5	
20	30	1023289	-	1023546	60	
25	37	1023305	-	1023564	105	
30	45	1023323	-	1023582	148	
40	60	1023341	-	1023608	228	



## Hooks and Swivels

### Crosby® Forged Hooks

**BH-313  
Weld-On Hooks**


- Wide range of sizes available: 1-10 Metric Ton capacity.
- Forged Alloy Steel.
- Designed for attachment to mobile lifting equipment to provide a pick point for easy sling attachment.
- Large weld pad.
- Heavy-duty latch interlocks with the hook tip.
- Replacement latches available.
- Detailed installation and application instructions included with each hook

Working Load Limit (t)*	Stock No. BH-313	Weight Each (lbs.)
1	1029105	1.15
2	1029114	1.85
3	1029123	2.6
4	1029132	4.19
5	1029141	5.62
8	1029150	7.28
10	1029169	11.02

*Ultimate Load is 5 times the Working Load Limit*

### Crosby® Snap Hooks

- Forged Alloy Steel – Quenched and Tempered.
- Pressed steel latches and stainless steel springs, bolts and nuts.
- For replacement latch kit, order Stock No. 9900299.

**G-3315  
Snap Hooks**


Hook Size (in.)	G-3315 Stock No. Galv.	Working Load Limit* (lbs.)	Weight Each (lbs.)
7/16	1023056	750	0.23
9/16	1023074	1000	0.48

*\*Ultimate Load is 4 times the Working Load Limit.*

### Crosby® Forged Swivels

- Meets the performance requirements of Federal Specification RR-C-271D, Type VII, Class 1, except for those provisions required of the contractor.
- Meets the performance requirements of Federal Specification RR-C-271D, Type VII, Class 1, except for those provisions required of the contractor.
- U.S. Patent 5,381,650 and equivalents.

**G-402  
Regular Swivels**

**G-403  
Regular Swivels**


G-402 Regular Swivel				G-403 Regular Swivel			
Hook Size (in.)	G-402 Stock No. Galv.	Working Load Limit* (lbs.)	Weight Each (lbs.)	Hook Size (in.)	G-403 Stock No. Galv.	Working Load Limit* (lbs.)	Weight Each (lbs.)
1/4	1016019	850	0.21	1/4	1016395	850	0.21
5/16	1016037	1250	0.39	5/16	1016411	1250	0.34
3/8	1016055	2250	0.71	3/8	1016439	2250	0.66
1/2	1016073	3600	1.32	1/2	1016457	3600	1.34
5/8	1016091	5200	2.49	5/8	1016475	5200	2.48
3/4	1016117	7200	4.02	3/4	1016493	7200	3.88
7/8	1016135	10000	6.25	7/8	1016518	10000	5.87
1	1016153	12500	8.95	1	1016536	12500	9.84
1-1/4	1016199	18000	16.37	1-1/4	1016572	18000	15.75
1-1/2	1016215	45200	45.79	1-1/2	1016590	45200	54.75

*\*Ultimate Load is 5 times the Working Load Limit*

*\*Ultimate Load is 5 times the Working Load Limit*

### Crosby® Swivels

- All swivels individually proof tested with certification.
- EQUIPPED WITH TAPERED ROLLER THRUST BEARING.
- Suitable for frequent rotation under load.
- All hooks furnished with latches assembled.
- All jaws complete with bolts, nuts and cotter pins.
- Pressure lube fitting provided.
- NOT TO BE USED ON DEMOLITION



**IMPORTANT** - Crosby Swivels should only be used with the recommended wire rope. Contact the wire rope manufacturer for the proper wire rope to be used with Crosby Swivel.

#### S-1 Jaw & Hook

Swivel No.	S-1 Stock No.	Working Load Limit* (lbs.)	Wire Rope Size (in.)	Weight Each (lbs.)
3-S-1	297011	3	1/2	9.81
5-S-1	297217	5	5/8	15.51
8-S-1	297413	8-1/2	3/4	29.42
10-S-1	297618	10	7/8	46.75
15-S-1	297814	15	1	73.75
25-S-1	298118	25	-	140
35-S-1	298216	35	-	220
45-S-1	298314	45	-	251

*\*Individually Proof Tested to 2 times the Working Load Limit. Ultimate Load is 5 times the Working Load Limit.*

#### S-2 Jaw & Jaw

Swivel No.	S-2 Stock No.	Working Load Limit* (lbs.)	Wire Rope Size (in.)	Weight Each (lbs.)
3-S-2	297020	3	1/2	9.63
5-S-2	297226	5	5/8	13.69
8-S-2	297422	8-1/2	3/4	26.16
10-S-2	297627	10	7/8	45.75
15-S-2	297823	15	1	62.75
25-S-2	298127	25	-	140
35-S-2	298225	35	-	155
45-S-2	298323	45	-	235

*\*Individually Proof Tested to 2 times the Working Load Limit. Ultimate Load is 5 times the Working Load Limit.*

#### S-3 Jaw & Eye

Swivel No.	S-3 Stock No.	Working Load Limit* (lbs.)	Wire Rope Size (in.)	Weight Each (lbs.)
3-S-3	297039	3	1/2	9.12
5-S-3	297235	5	5/8	13.5
8-S-3	297431	8-1/2	3/4	24.9
10-S-3	297636	10	7/8	43.5
15-S-3	297832	15	1	61
25-S-3	298136	25	-	135
35-S-3	298234	35	-	150
45-S-3	298332	45	-	225

*\*Individually Proof Tested to 2 times the Working Load Limit. Ultimate Load is 5 times the Working Load Limit.*

## Rigging Accessories

### Wire Rope Thimbles



- Individually proof tested with certification.
- TAPERED ROLLER THRUST BEARING.
- Suitable for frequent rotation under load.
- All hooks furnished with latches assembled.
- Complete with bolts, nuts and cotter pins.
- Pressure lube fitting provided.
- NOT TO BE USED ON DEMOLITION

G-414 Extra Heavy Wire Rope Thimbles

Rope Dia. (in.)	S-414 Galv.	SS-414 Stainless	Weight Per 100 (lbs.)
1/4*	1037639	1037960	6.5
5/16*	1037657	1037988	11.8
3/8*	1037675	1038004	21.6
7/16	1037693	-	34.7
1/2 - 9/16*	1037719	1038022	51
5/8*	1037755	1038040	75.7
3/4*	1037773	1038068	158.1
7/8	1037791	-	177.8
1	1037817	-	313.9
1-1/8 - 1-1/4	1037835	-	400
1-1/4 - 1-3/8	1037853	-	811
1-3/8 - 1-1/2	1037871	-	1294.8
1-5/8	1037899	-	1700
1-3/4	1037915	-	1775
1-7/8 - 2	1037933	-	2775
2-1/4	1037951	-	3950

### Forged Eye Bolts



- Forged Steel - Quenched and Tempered.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles
- All Bolts Hot Dip galvanized after threading (UNC).
- Furnished with standard Hot Dip galvanized hex nuts.
- Recommended for in-line pull.
- Crosby products meet or exceed all the requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, Crosby products meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.

G-291 Regular Nut Eye Bolts

Shank Diameter & Length (in.)	G-291 Galv.	Working Load Limit* (lbs.)	Weight Per 100 (lbs.)
1/4 x 2	1043230	650	8.2
1/4 x 4	1043258	650	11.7
5/16 x 2-1/4	1043276	1200	13.3
5/16 x 4-1/4	1043294	1200	25
3/8 x 2-1/2	1043310	1550	23.3
3/8 x 4-1/2	1043338	1550	29.5
3/8 x 6	1043356	1550	35.2
1/2 x 3-1/4	1043374	2600	50.3
1/2 x 6	1043392	2600	66.1
1/2 x 8	1043418	2600	82
1/2 x 10	1043436	2600	88
1/2 x 12	1043454	2600	114.2
5/8 x 4	1043472	5200	103.1
5/8 x 6	1043490	5200	118.2
5/8 x 8	1043515	5200	135.1
5/8 x 10	1043533	5200	153.6
5/8 x 12	1043551	5200	167.1
3/4 x 4-1/2	1043579	7200	168.6
3/4 x 6	1043597	7200	184.5
3/4 x 8	1043613	7200	207.9
3/4 x 10	1043631	7200	235
3/4 x 12	1043659	7200	257.5
3/4 x 15	1043677	7200	298
7/8 x 5	1043695	10600	270
7/8 x 8	1043711	10600	308
7/8 x 12	1043739	10600	400.00
1 x 6	1043757	13300	421
1 x 9	1043775	13300	468.5
1 x 12	1043793	13300	540
1 x 18	1043819	13300	650
1-1/4 x 8	1043837	21000	750
1-1/4 x 12	1043855	21000	900
1-1/4 x 20	1043873	21000	1210

\*Ultimate Load is 5 times the Working Load Limit. Working Load Limit shown is for in-line pull. Proof Load is 2 times the Working Load Limit.

### Forged Eye Bolts

G-277



- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- Recommended for in-line pull.
- Meets all ASME B30.26 requirements.
- All Bolts Hot Dip galvanized with galvanized hex nuts.

G-291 Regular Nut Eye Bolts

Shank Diameter & Length (in.)	G-277 Galv.	Working Load Limit* (lbs.)	Weight Per 100 (lbs.)
1/4 x 2	1045014	650	6.6
1/4 x 4	1045032	650	9.1
5/16 x 2-1/4	1045050	1200	12.5
5/16 x 4-1/4	1045078	1200	18.8
3/8 x 2-1/2	1045096	1550	21.4
3/8 x 4-1/2	1045112	1550	25.3
1/2 x 3-1/4	1045130	2600	42.6
1/2 x 6	1045158	2600	56.8
5/8 x 4	1045176	5200	68.6
5/8 x 6	1045194	5200	102.4
3/4 x 4-1/2	1045210	7200	144.5
3/4 x 6	1045238	7200	167.5
7/8 x 5	1045256	10600	225
1 x 6	1045292	13300	366.3
1 x 9	1045318	13300	422.5
1-1/4 x 8	1045336	21000	650
1-1/4 x 12	1045354	21000	795
1-1/2 x 15	1045372	24000	1425

\*Ultimate Load is 5 times the Working Load Limit. Working Load Limit shown is for in-line pull. Proof Load is 2 times the Working Load Limit.



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## Rigging Accessories

### Crosby® Turnbuckles



- Turnbuckle assembly combinations include: Eye and Eye, Hook and Hook, Hook and Eye, Jaw and Jaw, Jaw and Eye.
- End fittings are Quenched and Tempered, bodies heat treated by normalizing.
- Crosby's Quenched and Tempered end fittings and normalized bodies have enhanced impact properties for greater toughness at all temperatures.
- Hot Dip galvanized.
- Hooks are forged with a greater cross sectional area that results in a stronger hook with better fatigue properties.
- Modified UNJ thread on end fittings for improved fatigue properties. Body has UNC threads.
- Turnbuckle eyes are forged elongated, by design, to maximize easy attachment in system and minimize stress in the eye. For turnbuckle sizes 1/4" through 2-1/2", a shackle one size smaller can be reeved through eye.
- Forged jaw ends are fitted with bolts and nuts on sizes 1/4" through 5/8", and pins and cotters on sizes 3/4" through 2-3/4".
- TURNBUCKLES RECOMMENDED FOR STRAIGHT OR IN-LINE PULL ONLY.
- Lock Nuts available for all sizes.
- Typical hardness levels, Tensile Strengths and Ductility Properties are available for all sizes.
- Turnbuckles can be furnished proof tested or magnaflux inspected with certificates if requested at time of order.
- Crosby products meet or exceed all the requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, Crosby products meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.

#### HG-225 Hook & Eye Turnbuckles

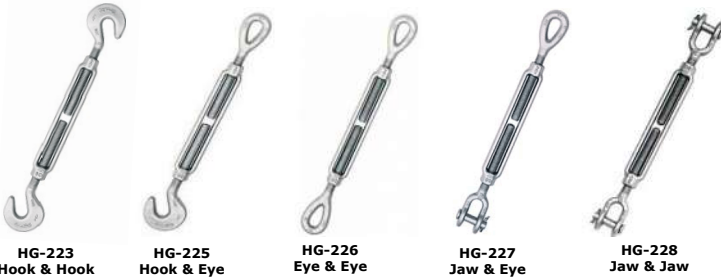
Thread Diameter & Take Up (in.)	HG-225 Stock No.	Working Load Limit (lbs.)*	Weight Each (lbs.)
1/4 x 4	1030636	400	0.29
5/16 x 4-1/2	1030654	700	0.49
3/8 x 6	1030672	1000	0.78
1/2 x 6	1030690	1500	1.61
1/2 x 12	1030734	1500	2.26
5/8 x 6	1030752	2250	2.7
5/8 x 12	1030798	2250	3.78
3/4 x 6	1030814	3000	3.89
3/4 x 12	1030850	3000	5.83
3/4 x 18	1030878	3000	6.33
7/8 x 12	1030896	4000	8.1
1 x 12	1030958	5000	11.93
1 x 18	1030976	5000	14
1 x 24	1030994	5000	17.25
1-1/4 x 12	1031010	6500	19
1-1/4 x 18	1031038	6500	23
1-1/4 x 24	1031056	6500	24
1-1/2 x 12	1031074	7500	27.5
1-1/2 x 18	1031092	7500	31
1-1/2 x 24	1031118	7500	37.5

Thread Diameter & Take Up (in.)	HG-223 Stock No.	Working Load Limit (lbs.)*	Weight Each (lbs.)
1/4 x 4	1030011	400	0.3
5/16 x 4-1/2	1030039	700	0.47
3/8 x 6	1030057	1000	0.78
1/2 x 6	1030075	1500	1.6
1/2 x 12	1030119	1500	2.28
5/8 x 6	1030137	2250	2.75
5/8 x 12	1030173	2250	3.5
3/4 x 6	1030191	3000	3.89
3/4 x 12	1030235	3000	5.43
3/4 x 18	1030253	3000	8.12
7/8 x 12	1030271	4000	8.1
1 x 12	1030333	5000	11.93
1 x 18	1030351	5000	14
1 x 24	1030379	5000	17.25
1-1/4 x 12	1030397	6500	20.58
1-1/4 x 18	1030413	6500	23
1-1/4 x 24	1030431	6500	27
1-1/2 x 12	1030459	7500	27.5
1-1/2 x 18	1030477	7500	31
1-1/2 x 24	1030495	7500	37.5
Thread Diameter & Take Up (in.)	HG-226 Stock No.	Working Load Limit (lbs.)*	Weight Each (lbs.)
1/4 x 4	1031252	500	0.26
5/16 x 4-1/2	1031270	800	0.45
3/8 x 6	1031298	1200	0.76
1/2 x 6	1031314	2200	1.54
1/2 x 12	1031350	2200	2.14
5/8 x 6	1031378	3500	2.4
5/8 x 12	1031412	3500	3.42
3/4 x 6	1031430	5200	3.79
3/4 x 12	1031476	5200	5.48
3/4 x 18	1031494	5200	7.19
7/8 x 12	1031519	7200	7.22
7/8 x 18	1031537	7200	9.95
1 x 6	1031555	10000	9.04
1 x 12	1031573	10000	11.5
1 x 18	1031591	10000	14
1 x 24	1031617	10000	17.25
1-1/4 x 12	1031635	15200	19
1-1/4 x 18	1031653	15200	23
1-1/4 x 24	1031671	15200	27
1-1/2 x 12	1031699	21400	27.5
1-1/2 x 18	1031715	21400	31
1-1/2 x 24	1031733	21400	37.5
1-3/4 x 18	1031779	28000	52.5
1-3/4 x 24	1031797	28000	58
2 x 24	1031813	37000	85.25
2-1/2 x 24	1031831	60000	144.25
2-3/4 x 24	1031859	75000	194

the Crosby Group

## Rigging Accessories

### Crosby® Turnbuckles (cont.)



#### HG-227 Jaw & Eye Turnbuckles

Thread Diameter & Take Up (in.)	HG-227 Stock No.	Working Load Limit (lbs.)*	Weight Each (lbs.)
1/4 x 4	1031877	500	0.3
5/16 x 4-1/2	1031895	800	0.5
3/8 x 6	1031911	1200	0.8
1/2 x 6	1031939	2200	1.51
1/2 x 9	1031957	2200	1.71
1/2 x 12	1031975	2200	2.08
5/8 x 6	1031993	3500	2.35
5/8 x 9	1032019	3500	3.17
5/8 x 12	1032037	3500	3.61
3/4 x 6	1032055	5200	4
3/4 x 9	1032073	5200	4.75
3/4 x 12	1032091	5200	5.93
3/4 x 18	1032117	5200	7
7/8 x 12	1032135	7200	8.36
7/8 x 18	1032153	7200	9.75
1 x 6	1032171	10000	8.92
1 x 12	1032199	10000	11.2
1 x 18	1032215	10000	13.3
1 x 24	1032233	10000	17
1-1/4 x 12	1032251	15200	19.42
1-1/4 x 18	1032279	15200	24.18
1-1/4 x 24	1032297	15200	28.5
1-1/2 x 12	1032313	21400	28.99
1-1/2 x 18	1032331	21400	35
1-1/2 x 24	1032359	21400	39.18
1-3/4 x 18	1032395	28000	53.75
1-3/4 x 24	1032411	28000	60.68
2 x 24	1032439	37000	89
2-1/2 x 24	1032457	60000	150
2-3/4 x 24	1032475	75000	183

#### HG-228 Jaw & Jaw Turnbuckles

Thread Diameter & Take Up (in.)	HG-228 Stock No.	Working Load Limit (lbs.)*	Weight Each (lbs.)
1/4 x 4	1032493	500	0.36
5/16 x 4-1/2	1032518	800	0.52
3/8 x 6	1032536	1200	0.81
1/2 x 6	1032554	2200	1.56
1/2 x 9	1032572	2200	1.74
1/2 x 12	1032590	2200	2.4
5/8 x 6	1032616	3500	2.72
5/8 x 9	1032634	3500	3.43
5/8 x 12	1032652	3500	3.91
3/4 x 6	1032670	5200	4.11
3/4 x 9	1032698	5200	5.46
3/4 x 12	1032714	5200	6.56
3/4 x 18	1032732	5200	8.03
7/8 x 12	1032750	7200	8.17
7/8 x 18	1032778	7200	10.78
1 x 6	1032796	10000	10.18
1 x 12	1032812	10000	12.2
1 x 18	1032830	10000	15.14
1 x 24	1032858	10000	18.08
1-1/4 x 12	1032876	15200	20.59
1-1/4 x 18	1032894	15200	24.68
1-1/4 x 24	1032910	15200	28.2
1-1/2 x 12	1032938	21400	30.69
1-1/2 x 18	1032956	21400	36.75
1-1/2 x 24	1032974	21400	41.6
1-3/4 x 18	1033018	28000	54
1-3/4 x 24	1033036	28000	63.36
2 x 24	1033054	37000	94.25
2-1/2 x 24	1033072	60000	165
2-3/4 x 24	1033090	75000	198

\*Proof Load is 2.5 times the Working Load Limit. Ultimate Load is 5 times the Working Load Limit



## Chain Accessories

### Crosby® Connecting Link

#### A-1337 LOK-A-LOY® Connecting Link



- Suitable for use with both Grade 80 and Grade 100 chain.
- Individually Proof Tested at 2-1/2 times Working Load Limit with certification.
- Locking system that provides for simple assembly and disassembly – no special tools needed.
- 25% stronger than Grade 80 Alloy.
- Meets ASTM A-952-96 standards for Grade 100 chain fittings.
- Forged Alloy Steel – Quenched and Tempered.
- Fatigue rated.

Chain Size (in.)	(mm)	A-1337 Stock No.	Pkg. Qty.	Working Load Limit (lbs.)*	Weight Each (lbs.)
5/16	8	1015118	50	5700	0.33
3/8	10	1015127	40	8800	0.73
1/2	13	1015136	12	15000	1.67
5/8	16	1015145	10	22600	2.86
3/4	20	1015154	1	35300	5
7/8	22	1015163	1	42700	7.5
1	25	1015172	1	59700	11.03
1-1/4	32	1015181	1	90400	20.38

#### A-336 LOK-A-LOY® 6 Connecting Link



- Forged Alloy Steel – Quenched and Tempered.
- Individually Proof Tested.
- Easy to assemble.

Chain Size (in.)	A-336 Stock No.	Working Load Limit (lbs.)*	Weight Each (lbs.) To	Dia. of Hole Accept Link
1/4	1014397	3250	0.24	0.5
3/8	1014413	6600	0.58	0.66
1/2	1014431	11300	1.2	0.88
5/8	1014459	16500	2.42	1.06
3/4	1014477	23000	3.89	1.19
7/8	1014495	28750	6.08	1.38
1	1014510	38750	7.03	1.47
1-1/4	1014538	57500	13.2	1.73

The WLL of the **A-336** are less than Grade 80 chain ratings. When using in Grade 80 chain slings, ANSI B30.9c requires that the Working Load Limit of a sling must not exceed the lowest Working Load Limit of the components in the system.

### Alloy Master Links



- Alloy Steel - Quenched and Tempered.
- Individually proof tested to values shown, with certification.
- Proof tested with fixture sized to prevent localized point loading per ASTM A952.
- Proof test certification shipped with each link.
- Sizes from 1/2" to 2" are drop forged and have a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby and USA in raised lettering.

"A" Size (in.)	A-342 Stock No.	Working Load Limit (lbs.)*	Weight Each (lbs.)	Proof Load (lbs.)**
1/2	1014262	7000	.82	14000
5/8	1014280	9000	1.52	18000
3/4	1014306	12300	2.07	28400
7/8	1014315	15000	3.4	30000
1	1014324	24360	4.85	48700
1-1/4	1014342	36200	9.57	72400
1-1/2	1014360	54300	16.22	113200
1-3/4	1014388	84900	25.22	169800
2	1014404	102600	37.04	205200
2-1/4†	1014422	143100	54.1	289200

\*\* Minimum Ultimate Load is 5 times Working Load Limit. Based on single leg sling (in-line load), or resultant load on multiple legs with an included angle less than or equal to 120.  
 \*\* Proof test load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9-1,4 for the chain size and number of legs.  
 † Welded Master Link.

### Crosby® Grade 100 Clevis Hooks



- Forged Alloy Steel – Quenched and Tempered.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby & U.S.A. in raised letters.
- Hoist hooks incorporate two types of strategically placed markings forged into the product which address two (2) QUIC-CHECK® features : Deformation Indicators and Angle Indicators.
- New integrated latch (S-4320) meets the world standard for lifting.
  - Heavy-duty stamped latch interlocks with the hook tip.
  - High cycle, long life spring.
  - When secured with the proper cotter pin through the hole in the tip of hook, meets the intent of OSHA Rule 1926.550(g) for personnel lifting.
- Suitable for use with Grade 100 chain in overhead lifting applications as long as hook is Proof Tested as part of the chain sling assembly or as an individual component. Per ANSI B30.9-1.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.

Chain Size (in.)	(mm)	A-1339 Stock No.	Hook ID Code	Working Load Limit (lbs.)*	Weight Each (lbs.)
1/4	7	1048991	HA	4300	1.6
5/16	8	1049000	HA	5700	1.6
3/8	10	1049009	IA	8800	2.5
1/2	13	1049018	JA	15000	5
5/8	16	1049027	KA	22600	9.6

## Chain Accessories

the Crosby Group

### Crosby® Grab Hooks

- Forged Steel - Quenched and Tempered.
- Design factor is 4:1.
- Quick and easy assembly.
- H-330 and H-323 are designed for Crosby Spectrum 4® chain.
- A-330 and A-323 are designed for Crosby Spectrum 7® chain.



### A-1338 Cradle Grab Hook

- Forged Alloy Steel - Quenched and Tempered.
- Innovative cradle design allows for 100% efficiency of Grade 100 chain.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- The use of A-1338 Cradle Grab Hook will allow 100 percent of the chain sling capacity. When used to hook back to chain leg to form a choker, the angle of the choke must be 120 degrees or greater. When used as a chain shortener, minimize twist of chain and ensure chain is fully engaged in hook.
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby and U.S.A.
- Suitable for use with Grade 100 and Grade 80 chain in overhead lifting applications as long as hook is Proof Tested as part of the chain sling assembly or as an individual component. Per ANSI B30.9-1.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- "Look for the Platinum Color - Crosby Grade 100 Alloy Products."



### H-330 / A-330 Clevis Grab Hooks

Chain Size (in.)	Stock No.		Working Load Limit (lbs.)*		Weight Each (lbs.)
	H-330 Carbon	A-330 Alloy*	H-330 Carbon	A-330 Alloy	
1/4	1027105	1026249*	2600	3500	0.36
5/16	1027123	1027267*	3900	4700	0.62
3/8	1027141	1027285*	5400	7100	1
7/16	1027169	1027301	7200	8750	1.31
1/2	1027187	1027329*	9200	12000	2.22
5/8	1027203	1027347	13000	15800	4.41
3/4	1027221	1027365	2200	24700	6.50

Chain Size		A-1338 Stock No.	Working Load Limit (lbs.)*	Weight Each (lbs.)
(in.)	(mm)			
1/4	7	1049417	4300	1.10
5/16	8	1049426	5700	1.10
3/8	10	1049435	8800	1.8
1/2	13	1049444	15000	3.7
5/8	16	1049453	22600	6.7

### H-330 / A-330 Clevis Grab Hooks

Chain Size (in.)	Stock No.		Working Load Limit (lbs.)*		Weight Each (lbs.)
	H-330 Carbon	A-330 Alloy*	H-330 Carbon	A-330 Alloy	
1/4	1026204	1026384*	2600	3500	0.28
5/16	1026222	1026400*	3900	4700	0.45
3/8	1026240	1026428*	5400	7100	0.79
1/2	1026286	1026464*	9200	12000	1.75
5/8	1026302	1026482	13000	15800	3.25
3/4	1026320	1026507	20200	24700	5.94

\*These A-330 and A323 hooks are forged with an "8" designating Grade 80, and are suitable for use with Grade 8 chain in overhead lifting applications as long as hook is Proof Tested as part of the chain sling assembly or as an individual component per ANSI B30.9c.

### Crosby® Slip Hooks

- Forged Carbon Steel or Forged Alloy Steel – Quenched and Tempered.
- All Pins Alloy Steel – Quenched and Tempered.
- Not Suitable for use with Grade 80 chain and chain slings used in overhead lifting. For slings or lifting chains, Grade 80 or 100 alloy components are recommended.



### H-331 / A-331 Clevis Slip Hooks

Chain Size (in.)	Stock No.		Working Load Limit (lbs.)*		Weight Each (lbs.)
	H-331 Carbon	A-331 Alloy*	H-331 Carbon	A-331 Alloy	
1/4	1027383	1027524	1950	2750	0.55
5/16	1027409	1027542	2875	4300	0.79
3/8	1027427	1027560	4000	5250	1.21
7/16	1027445	1027588	5000	7000	2.06
1/2	1027463	1027604	6500	9000	2.75
5/8	1027481	1027622	9250	13500	4.75
3/4	-	1027640	-	19250	11.28

### H-324 Eye Slip Hooks

Chain Size (in.)	H-324 Stock No.	Working Load Limit (lbs.)*	Weight Each (lbs.)
1/4	1026749	1950	0.4
5/16	1026767	2875	0.64
3/8	1026785	4000	1.1
7/16	1026801	5000	1.56
1/2	1026829	6500	2.09
5/8	1026847	9250	3.9
3/4	1026865	12500	6.93

\*Ultimate Load is 4 times the Working Load Limit

## Snatch Blocks

### Snatch Blocks

#### New Improved Light Champion

- Forged alloy heat treated hooks.
- Forged steel swivel tees, yokes and shackles.
- Hook and shackle assemblies on 4-1/2" through 14" sizes can be interchanged.
- Can be furnished with bronze bushings or roller bearings.
- Opening feature permits insertion of rope while block is suspended from gin-pole.
- 3" thru 18" 418 and 419 blocks have exclusive bolt retaining spring to assure no lost bolts.
- Can be furnished with SS-4055 hook latch.
- Pressure lube fittings.
- Fatigue rated.
- 3" - 10" feature dual rated wireline sheaves



Sheave Diameter (in.)	Bearing Code	Stock No.			Wire Rope Size (in.)††	Working Load Limit (t)*	Weight Each (lbs.)			Rep. Sheave Stock No.	Rep. Latch Stock No.
		418 with Hook	419 with Shackle	404 Tail Board			418 with Hook	419 with Shackle	404 Tail Board		
3*	BB	-	109091	-	5/16 - 3/8	2	-	4	-	460147	-
3**	BB	108038	109037†	102016	5/16 - 3/8	2	5	4	3	460147	1096421
4-1/2**	BB	108065	109064	102025	3/8 - 1/2	4	12	12	7	2000232	1096468
6	BB	108127	109126	102098	5/8 - 3/4	8	27	28	15	460815	1096562
6	RB	108154	109153	102114	5/8 - 3/4	8	27	28	15	472688	1096562
8	BB	108225	109224	102169	5/8 - 3/4	8	33	34	21	461164	1096562
8	RB	108252	109251	102187	5/8 - 3/4	8	33	34	21	473277	1096562
10	BB	108323	109322	102230	5/8 - 3/4	8	41	42	29	461805	1096562
10	RB	108350	109359	102258	5/8 - 3/4	8	41	42	29	473776	1096562
12	BB	169169	202961	178890	5/8	8	48	49	36	462270	1096562
12	RB	199911	169347	178934	5/8	8	48	49	36	474141	1096562
12	BB	108421	109420	102301	3/4	8	48	49	36	462289	1096562
12	RB	108458	109457	102329	3/4	8	48	49	36	474150	1096562
14	BB	194920	169356	-	5/8	8	55	56	-	463625	1096562
14	RB	199948	167857	-	5/8	8	55	56	-	474766	1096562
14	BB	108528	109527	-	3/4	8	55	56	-	463634	1096562
14	RB	108546	109545	-	3/4	8	55	56	-	474775	1096562
16	BB	199975	203041	-	3/4	15	130	135	-	4100056	1096609
16	RB	200008	203087	-	3/4	15	130	135	-	4200028	1096609
16	BB	108608	109607	-	7/8	15	130	135	-	4100065	1096609
16	RB	108626	109625	-	7/8	15	130	135	-	4200037	1096609
18	BB	200099	203130	-	7/8	15	150	155	-	464571	1096609
18	RB	200151	203176	-	7/8	15	150	155	-	475792	1096609
18	BB	108644	109643	-	1	15	150	155	-	4104640	1096609
18	RB	108662	109661	-	1	15	150	155	-	600000	1096609

\* Ultimate Load is 4 times the Working Load Limit. \*\* Available in Bronze Bushed only. 3" and 4-1/2" have self lubricating Bronze Bushing.  
 † Fitted with 1-1/4" ID Swivel Eye. †† May be furnished in other wire rope sizes.  
 NOTE: When ordering, please specify: size, block number, hook or shackle, bronze bushed or roller bearing, and wire rope size

the Crosby Group

## Snatch Blocks

### Snatch Blocks (cont.)

**Champion**

- Hooks and side plates are forged alloy steel and heat treated.
- Shackles and yokes are forged and heat treated steel.
- All parts are forged.
- Side plates are designed to eliminate possibility of rope jamming.
- Can be furnished with bronze bushings or sealed roller bearings.
- Pressure lube fittings.
- Fatigue rated.



Sheave Diameter (in.)	Bearing Code	Stock No.			Wire Rope Size (in.) <sup>††</sup>	Working Load Limit (t)*	Weight Each (lbs.)			Rep. Sheave Stock No.	Rep. Latch Stock No.
		420 with Hook	421 with Shackle	406 Tail Board			420 with Hook	421 with Shackle	406 Tail Board		
6	BB	169374	169481	167973	3/4 - 7/8	12	40	48	24	460940	1096609
6	RB	169392	204120	167982	3/4 - 7/8	12	40	48	24	473035	1096609
8	BB	169418	169515	167991	3/4 - 7/8	15	51	57	30	461360	1096609
8	RB	169445	204193	168008	3/8 - 7/8	15	51	57	30	473534	1096609
10	BB	110221	110720	103186	3/4 - 7/8	15	63	69	42	462001	1096609
10	RB	110258	110757	103020	3/4 - 7/8	15	63	69	42	474025	1096609

**Super Champion**

- Drop forged, heat treated swivel hook or swivel shackle.
- Pressure lube fittings.
- Can be furnished with hook latch.
- Fatigue Rated.



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



## Wood Blocks

### Western Regular Wood Blocks

#### Regular Wood Blocks for Manila Rope

- Becketts furnished on all blocks



Block Size (in.)	Fitting	Single Sheave			Triple Sheave			Double Sheave	
		21 B Stock No.	21 C Stock No.	21 R Stock No.	22 B Stock No.	22 C Stock No.	22 R Stock No.	23 B Stock No.	23 R Stock No.
3	HS	603813	602217	603617	604616	602618	604411	605410	-
4	HS	603831	602235	603635	604634	602636	604439	605438	605232
5	HS	603859	602253	603653	604652	602654	604457	605456	-
6	HS	603877	602271	603671	604670	602672	604475	605474	605278
8	HS	603911	602315	603715	604714	602716	-	605517	605312
3	N	606419	-	-	606810	-	-	607212	-
4	N	606437	-	606231	606838	-	606632	607230	607034
5	N	606455	-	-	606856	-	606650	607258	-
6	N	606473	-	-	606874	-	606678	607276	607070
8	N	606516	-	-	606918	-	-	607310	-
3	N	610011	-	-	611617	-	-	613214	-
4	N	610039	-	-	611635	-	-	613232	-
5	N	610057	-	-	611653	-	-	613250	-
6	N	610075	-	-	611671	-	611476	613278	-
8	N	610119	-	-	611715	-	611519	613312	-

Block Size (in.)	Sheave Dimensions (in.)			Manila Rope Size (in.)	Working Load Limit (lbs.)*			Weight Each (lbs.)		
	Outside Dia.	Rim Thickness	Center Pin Dia.		21 Single	22 Double	23 Triple	21 Single	22 Double	23 Triple
3	1.75	0.5	0.38	3/8	500	800	1200	1	1.75	2.5
4	2.25	0.63	0.38	1/2	1000	1400	1800	1.75	3	4
5	3	0.75	0.38	5/8	1200	1800	2400	3.25	5.6	6.5
6	3.5	1	0.5	3/4	1800	2500	3200	5	8.5	11.5
8	4.75	1.13	0.63	7/8 - 1	2800	3800	4800	9	14	21.5

\*Ultimate Load is 4 times the Working Load Limit.  
Bearing Code: B - Bronze Bushed Self Lubricating, C - Common Iron, R - Roller Bearing

### Western Blocks for Manila Rope

#### Gin Blocks for Manila Rope

- For light housing by Roofers and Contractors.
- Furnished with drop forged swivel latch hooks. Can be furnished with SS-4055 hook latch



Block Size (in.)	Fitting	Gin Block Stock No.			Sheave Size (in.) Outside Dia.	Rim Thickness	Bearing Dia.	Manila Rope Size (in.)	Working Load Limit (lbs.)*	Weight Each (lbs.)
		T-350-C	T-350-R	T-350-B						
8	T	710001	710207	710403	8	1.25	0.75	7/8	1000	9
10	T	710029	710225	710421	10	1.25	0.88	1	1000	9.8
12	T	710047	710243	710449	12	1.38	0.88	1	1000	12.7

\*Ultimate Load is 3 times the Working Load Limit.  
Bearing Code: B - Bronze Bushed Self Lubricating, C - Common Iron, R - Roller Bearing

## Pulleys and Snaps

### PULLEYS

No. 0173 SWIVEL EYE PULLEYS  
Single wheel electro plated gray iron

Size Sheave	Diameter Rope	Weight Lbs./100
1/2"	5/32"	10
3/4"	3/16"	12
1"	1/4"	15
1-1/4"	5/16"	22
1-1/2"	6/16"	28
2"	7/16"	50



No. 0174 SOLID EYE PULLEYS  
Single wheel electro plated gray iron

Size Sheave	Diameter Rope	Weight Lbs./100
1/2"	5/32"	8
3/4"	3/16"	11
1"	1/4"	14
1-1/4"	5/16"	21
1-1/2"	5/16"	29
2"	7/16"	53
*2-1/2"	1/2"	88



No. 0176 SOLID EYE PULLEYS  
Double wheel electro plated gray iron

Size Sheave	Diameter Rope	Weight Lbs./100
1/2"	5/32"	12
3/4"	3/16"	21
1"	1/4"	25
1-1/2"	5/16"	74
2"	7/16"	143



No. 0178 SWIVEL EYE PULLEYS  
Double wheel electro plated gray iron

Size Sheave	Diameter Rope	Weight Lbs./100
3/4"	3/16"	21
1"	1/4"	26
1-1/2"	5/16"	35
2"	7/16"	124



### Snaps

No. 25 LOOP EYE BOLT SNAPS  
Nickel plated rust-proof metal



Size eye	3/4"	1"	2"
Length overall	3"	3-1/4"	4"
Snap opening	5/16"	3/8"	7/16"
Wgt. per 100	9 lbs.	9 lbs.	23 lbs.

No. 125 ROUND EYE BOLT SNAPS  
Nickel plated rust-proof metal



Size eye	1/2"	5/8"	3/4"
Length overall	3-1/4"	3-1/2"	3-1/2"
Snap opening	3/8"	3/8"	3/8"
Wgt. per 100	10 lbs.	11 lbs.	11 lbs.

DOUBLE PATTERN CHAIN SNAPS  
Nickel plated rust-proof metal



Number	161	162	163
Length overall	3-1/2"	4"	4-5/8"
Snap opening	1/4"	3/8"	3/8"
Wgt. per 100	9 lbs.	15 lbs.	17 lbs.

No. 202 RIGID EYE SNAPS  
Nickel plated rust-proof metal



Size eye	5/8"	3/4"
Length overall	3-1/4"	3-3/8"
Snap opening	5/16"	3/8"
Wgt. per 100	8 lbs.	11 lbs.

No. 222 SWIVEL EYE SNAPS  
Nickel plated rust-proof metal



Size eye	5/8"	3/4"
Length overall	3-1/2"	3-5/8"
Snap opening	9/32"	9/32"
Wgt. per 100	9 lbs.	10 lbs.

No. 224 SWIVEL EYE SNAPS  
Nickel plated rust-proof die-cast metal



Size eye	5/8"	3/4"
Length overall	3-1/4"	3-3/8"
Snap opening	3/8"	3/8"
Wgt. per 100	13 lbs.	14 lbs.

No. 225 SWIVEL EYE SNAPS  
Nickel plated rust-proof metal



Size eye	3/8"	1/2"	5/8"
Length overall	3-1/4"	3-3/8"	3-1/2"
Snap opening	3/8"	3/8"	3/8"
Wgt. per 100	9 lbs.	9 lbs.	10 lbs.

Size eye	3/4"	7/8"	1-L
Length overall	3-1/2"	3-1/2"	3-3/4"
Snap opening	3/8"	3/8"	3/8"
Wgt. per 100	11 lbs.	12 lbs.	12 lbs.

Size eye	1-H	1-1/8"	1-1/4"
Length overall	4"	4"	4-1/8"
Snap opening	3/8"	7/16"	1/2"
Wgt. per 100	16 lbs.	14 lbs.	16 lbs.

No. 227 SWIVEL EYE BOLT SNAPS  
Nickel plated rust-proof metal



Size eye	3/8"	1/2"	5/8"
Length overall	3-1/4"	3-3/8"	3-1/2"
Snap opening	3/8"	3/8"	3/8"
Wgt. per 100	10 lbs.	10 lbs.	10 lbs.

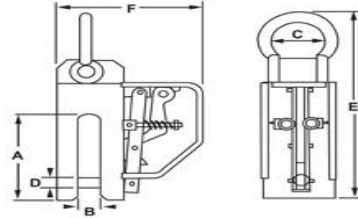
Size eye	3/4"	7/8"	1"
Length overall	3-5/8"	3-3/4"	4"
Snap opening	3/8"	3/8"	3/8"
Wgt. per 100	10 lbs.	13 lbs.	16 lbs.

## Pile Pitching and Plate Clamps

### CP Pile pitching clamp



These clamps are designed specifically for pitching sheet steel piling and have the advantage that a rope is fitted for easy release from ground level. This presents a quicker method than the laborious procedure of release when using a standard shackle. These clamps are not designed to extract a driven pile and must not be used for this under any circumstances.



Working load limit (lbs.)	Product code	Dimensions (in.)						Weight (lbs.)
		A	B	C	D	E	F	
4400	CP2	9	3/4	2	3/4	16-3/4	8-1/2	42
6600	CP3	9	1	2-1/2	1-1/4	17-7/8	8-7/8	51
11000	CP5	9	1-3/8	3-1/4	1-1/4	19-7/8	9-1/2	73

CM / Cooper

### Lifting Clamps



#### GX plate clamps

- Drop-forged and heat treated components.
  - Can be used for both vertical and horizontal-to-vertical through 180°.
  - Exclusive feature is a patented wear indicator system.
  - When convex teeth are flattened between unique wear indicator grooves, it is time to change the cam.
- Note: The Pad and Cam should be replaced at the same time.
- Clamps 100% Proof Tested, a Certificate of Test supplied with each clamp.
  - Fewer stress points and less chance of side loading damage.
  - Order unit is "Each."



Catalog No.	UPC Code 20418	Grip Range (in.)	Working Load Limit (metric ton)	Weight (lbs.)
6423000	172199	1/16 - 5/8	1/2	4
6423005	172205	1/16 - 3/4	1	8
6423010	172229	1/16 - 1	3	17
6423015	177583	1/2 - 2	5	40
6423920	175657	5/8 - 1-1/8	1/2	5
6423923	175664	3/4 - 1-3/8	1	9





## Pipe Handling

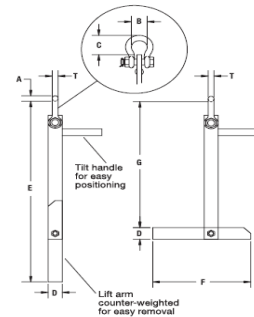
### Pipe Pick™

The patented new concrete Pipe Pick™ is a quicker, safer and cleaner way of handling precast concrete pipe.

**FEATURES:**

- Simple and fast / No need to reach inside the pipe.
- Worker remains above the pipe at all times.
- Conforms to applicable standards so you are in compliance with OSHA

Simply insert the Pipe Pick™ into the lifting hole in the pipe—tilt—to engage the beveled edge—and lift up! You can now lift and set the pipe. Once the pipe is set, lower the Pipe Pick™; the counterweighted lift arm automatically falls straight and the Pipe Pick™ can be removed from the pipe.



Model No.	Cap. (Tons)	Min. Pipe I.D.	Dimensions in Inches								Wght. (Lbs.)
			D	E	F	G	A	B	C	T	
CPP-1.5	1-1/2	12	1.5	23.5	12.25	16.25	0.69	1.69	2.5	0.63	10
CPP-3	3	14	2	28.5	12	20.5	0.81	2	2.88	0.75	18
CPP-5	5	16	2.75	44	13.5	36.13	1.06	2.69	4	1	46

### Model PC – “Tea Cup” Pipe Carrier

**FEATURES:**

- Efficiently handles concrete water and sewer pipes, saving you time and money.
- Optional “Spoon” handle allows the “Tea Cup” to be guided into small diameter pipes.



**SPECIFICATIONS - Model PC**

Model Number	Rated Capacity (Tons)	Lifting Plate Dia.	Pipe Insert O.D.	Weight (Lbs.)	Weight (Lbs.)
PC-3/4-F*	6.6	5-9/16	2-1/8	9	9
PC-1-F	13	6	2-5/8	12	12
PC-1 1/2-F	18	8	3-1/4	22	22

\* Has standard “lip” for use with the “Spoon Handle.”  
 \* Keep concrete hole lifting to 1/8” of insert diameter

**New Model**

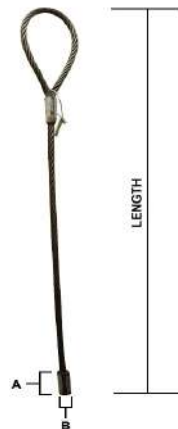
Low Profile “Tea Cut” Pipe Carrier same as standard plus:

- Only wire rope needs to be inserted through pipe.

**SPECIFICATIONS - Low Profile**

Model Number	Rated Capacity (Tons)	Lifting Plate Dia.	Pipe Insert O.D.	Weight (Lbs.)
PC-3/4-F*	6.6	5-9/16	2-1/8	9
PC-1-F	13	6	2-5/8	12
PC-1 1/2-F	18	8	3-1/4	22

\* Can use “Spoon Handle” with this model.



**SPECIFICATIONS - Model LS**

Use With	Model Number	Rated Capacity (Tons)	Sling Dia. (In.)	Standard Length (Ft.)	After Swage		Weight (Lbs.)
					Dim. A	(In.) B	
PC-3/4	LS-3/4	4.9	3/4	5	3.25	1.55	9
	LS-7/8	6.6	7/8	5	3.86	1.8	14
	LS-1	8.5	1	5	4.36	2.05	19
PC-1	LS-1 1/8	10	1-1/8	5	4.81	2.3	25
LS-1	1/4	13	1-1/4	5	5.42	2.56	33
PC-1 1/2	LS-1 1/2	18	1-1/2	5	6.52	3	52



## Pipe Handling

The Caldwell Group

### Model MHL – Concrete Housing Lifter

**FEATURES:**

- 2- or 3-leg models available.
- Handles 4" - 6" concrete wall thickness.
- Will not damage concrete seat.
- Legs can be quickly positioned to balance load.
- Requires constant tension to maintain positive load contact.

**SPECIFICATIONS**

Model Number	Description	Capacity (Lbs.)	Weight (Lbs.)
MHL-5	2-Leg Model – Two 42" Legs	10000	95
MHL-7½-72	3-Leg Model – Two 42" Legs and One 72" Leg	15000	145



### Model MCL – Manhole Sleeve Lifter

**FEATURES:**

- Easily attaches to, and releases from the load.
- Quick and efficient way to place cast manhole sleeves

**SPECIFICATIONS**

Model Number	Description	Capacity (Lbs.)	Weight (Lbs.)
MCL-1/2	2-Leg Version	1000	30
MCL-3/4	Two 18" Legs, One 30" Leg with Shortener	1500	25



### Model MML – Magnetic Manhole Lifter

**FEATURES:**

- Makes moving heavy manhole covers an easy one-person operation.
- Dolly handle breaks down for easy storage.
- Reduces potential for injury.
- Use for covers or grates.

**SPECIFICATIONS**

Model Number	Description	Weight (Lbs.)
MML-26	Up to 26" Diameter	77
MML-35	30" to 35" Diameter	108
MML-36	36" Diameter and Up	106



Model MML-26 or MML-35



Model MML-36

### Model CPL – C-Hook Pipe Lifter

**FEATURES:**

- Handles precast concrete pipe from 4' to 8' in length.
- Multiple lift points allow pick point to be positioned over load center of gravity.
- Non-skid urethane saddle prevents pipe from slipping off lifter.
- Quick, efficient way to pick and place

**SPECIFICATIONS**

Model Number	Max. Pipe Diameter	Throat	Arm	Headroom	Capacity (Lbs.)	Weight (Lbs.)
CPL-1.5	24	8	6.62	33.8	3000	300
CPL-3	36	8	6.87	35.63	6000	500
CPL-4.5	48	8	7.44	37.31	9000	700
CPL-6	60	8.5	8.38	39.25	12000	750
CPL-9	72	10	8.25	41.63	18000	1100
CPL-15	96	12	10.75	48.12	30000	1550



## Remote Releasing Hook

### Model RR – Rig-Release™ Remote Releasing Hooks

Caldwell's Rig-Releasing Hooks are a safe and simple way to release rigging remotely.

**COMMON FEATURES:**

- Designed for rugged outdoor use.
- Allow rigging to be released from the ground.
- Conform to ASME B30.20 and B30.9 standards.
- Easy to use—simply rig, lift, set and release.
- Lock engages with very little load weight.
- Oversized bail for easy mounting on crane hook. Five-, 10- and 15-ton units provided with fixed bail (Manual Release Unit). Five-ton unit provided with fixed bail (Radio Release Unit).



Manual Release



Radio Release

### Manual Release Unit

- Locking mechanism can be adjusted to accommodate a wide variety of lifting slings.

**SAFETY FEATURES**

- Rated capacity can be supported from either Sling Release Point or the Lower Safety Hook.
- Floating Lever Assembly is seated and captured during hoisting and CAN NOT be released.
- Lever Release Assembly only works when the weight of the load is absent or "taken off."
- Release cord has built in overload protection to prevent inadvertent release or damage to the Lower Release Assembly Mechanism.
- Additional springs can be added to accommodate for heavier sling weights.

### Radio Release Unit with Remote Control

- Includes two 12 VDC 0.8 Amp Hr. sealed maintenance free lead acid battery (rechargeable).
- Includes one Float Charger (power to vehicle is 12 VDC outlet or port), and one DC to AC converter.
- Battery life lasts an 8-hour shift, depending on setting of cycle.
- 1 - 2 minute cycle.

**SAFETY FEATURES**

- Rated capacity can be supported from either Sling Release Point or the Lower Safety Hook.
- Floating Lever Assembly is seated and captured during hoisting and CAN NOT be released.
- Lever Release Assembly only works when the weight of the load is absent or "taken off."
- Release cord has built in overload protection to prevent inadvertent release or damage to the Lower Release Assembly Mechanism.
- Additional springs can be added to accommodate for heavier sling weights.

Model Number	Rated Capacity	WEIGHT OF LOAD			WEIGHT OF RIGGING	
		Minimum Load Capacity (Lbs.)		Lifting Slings Required	Maximum Allowable Rigging Wght. (Lbs.)	
		Basket	Choker	Rope Dia (In.)	Basket	Choker
<b>MANUAL RELEASE</b>						
RR-1**	1 Ton	30	15	3/8	14	7
RR-2.5**	2.5 Ton	80	40	5/8	28	14
RR-5**	5 Ton	230	115	7/8	80	30
RR-10**	10 Ton	230	115	1-1/4	100	50
RR-15**	15 Ton	400	200	1-1/2	100	50
<b>RADIO RELEASE</b>						
RR-2.5R**	2.5 Ton	80	40	5/8	28	14
RR-5R**	5 Ton	250	125	7/8	60	30

\*\* Chart data is based upon the minimum number of springs. If the maximum allowable rigging weight needs to be increased, add additional springs, refer to the Technical Data Sheet. Rig-Release Hooks can NOT under any circumstances be used to lift a load weighing less than the minimum load capacity shown.

**SAFETY FEATURES**

- Radio active solenoid is mechanically "blocked" when the unit is under load, preventing load release.
- Transmitter "times out" in 10 seconds, which prevents inadvertent release of load.
- Multiple Rig Release™ Hooks can safely be used for "Christmas Tree" application due to the dual mechanical feature.
- Two step, two button activation (release) sequence prevents inadvertent release signal.
- Range up to 400' (with clear line of site)

**SPECIFICATIONS**

Model No.	Rated Cap.	Dimensions in Inches												Weight (Lbs.)
		D	E	F	G	J	K	L	A	B	C	T	O	
<b>MANUAL RELEASE</b>														
RR-1	1 Ton	1.15	0.76	1.25	2.77	4.25	23.1	19.75	0.63	3	6	0.63	0.89	14
RR-2.5	2.5 Ton	1.75	1	1.5	4.25	9.56	31.67	26.88	0.63	3	6	0.63	1.09	45
RR-5	5 Ton	1.83	1.5	1.5	5	11.13	36.4	30.75	2	4	7	1.25	1.36	110
RR-10	10 Ton	2.25	1.75	2	8.31	11	41.16	32.13	2	4	7	1.25	2.08	200
RR-15	15 Ton	3	2.5	2.5	6.31	15	49.25	39.25	2.5	5	9	1.5	2.27	325
<b>RADIO RELEASE</b>														
RR-2.5R	2.5 Ton	1.75	1	1.5	4.25	9.56	31.15	26.88	0.63	3	6	0.63	1.09	50
RR-5R	5 Ton	1.83	1.5	1.5	5	11.13	36.4	30.75	2	4	7	1.25	1.36	115



HARDWARE & SUPPLY CO. Inc. NJ (856) 662-6935 • PA (215) 925-8800  
 Supply Inc. of Virginia Metro (703) 569-6660 • VA (703) 455-6700  
 Form Rentals Clinton MD (301) 877-8640

## Hand Jacks

### Hand Jacks

Simplex Hydraulic Jacks Prove To Be A Universal Tool.



SIMPLEX

#### Features

- Drop forged base and rugged welded construction.
- Operates in horizontal position with handle down.
- All models include over travel protection.
- Grooved saddles help prevent load slippage.
- 2- through 22-ton models include screw extensions.
- Piston rods are chrome plated to resist corrosion.
- Super low profile versions available.

#### Dimensions

Model #	Cap. (tons)	Max. Handle Effort (lbs.)	Piston Dia. (in.)	Base Area (in.)	Wgt. (lbs.)	Min. Ht. (in.)	Stroke (in.)	Ext. Screw Ht. (in.)
HJ2	2	64	3/4	4-3/8 x 2-5/8	5.3	7-1/8	4-1/2	2
HJ3	3	64	7/8	4-1/2 x 2-7/8	7.3	7-1/2	4-1/2	2-3/8
HJ5	5	48	1-1/4	5-1/4 x 4	8.2	7-7/8	4-3/4	2-3/4
HJ8	8	69	1-3/8	4 x 3-1/2	12.8	7-7/8	4-3/4	2-3/4
HJ12	12	73	1-5/8	6-1/2 x 4-3/16	19.7	9-1/2	5-7/8	3-1/8
HJ12/LP	12	73	1-5/8	6-1/2 x 4-3/16	15.0	6-3/4	3-3/4	3
HJ22	22	73	2-1/8	7-1/4 x 5-5/8	29.8	10-5/8	6-3/8	-
HJ22/LP	22	73	2-1/8	7-1/4 x 5-5/8	24.3	7-1/8	3-3/8	1-5/8
HJ35	35	69	2-1/2	7-5/8 x 5-5/8	45.2	11	6-3/8	-
HJ55	55	73	3-1/4	9-3/8 x 7-3/8	97.0	12	6-3/4	-
HJ100	100	93	4-29/32	12-33/64 x 10-7/16	194.0	12	6-23/32	-

**Note: Handles are included with all models**



## Ratchet Jacks

### Ratchet Jacks

**5 Ton Ratchet Jacks** - These units are all mechanically identical and vary only in stroke and height.

**10 Ton Ratchet Jacks** - The 1017 and 22B incorporate a ductile iron housing for maximum durability. The A1022, which is identical to the 22B except for an aluminum housing, is the ideal choice when portability is important. These jacks are often selected for lifts of 10 tons or less because of their low handle effort.

#### Features:

- Most versatile, general purpose jacks available.
- Rugged construction permits safe, efficient jacking.
- Steel level bars are ordered separately.
- Material: Forged Alloy Steel

#### Dimensions

Model #	Supporting Cap. (tons)	Lifting Cap. (tons)	Stroke	Handle Effort per Ton (lbs.)	Cap Min. Height	Toe Min. Height	Base Size	Weight
84A	5	5	7"	32	14"	1-3/4"	5 x 7 3/8"	28 lbs.
85A	5	5	10"	32	17"	1-3/4"	5 x 7 3/8"	30 lbs.
1017	10	10	9 1/2"	30	17 1/4"	2"	6 x 8 3/4"	40 lbs.
A 1022	10	10	9 1/2"	30	21 5/8"	2 1/4"	6 1/2 x 10 1/4"	42 lbs.
22B	10	10	12"	30	21 5/8"	2 1/4"	6 1/2 x 10 1/4"	70 lbs.
24A	20	15	13"	32	23 1/4"	2 1/4"	8 x 10 1/4"	93 lbs.
2029	20	15	18	32	28-1/4"	2 1/4"	8 x 11	104 lbs.



Model 84A

Model 1017

Model 22B

SIMPLEX

### Lever Bars

Use only Simplex lever bar of the diameter and length specified for that particular model.

#### Dimensions

Model #	Lgth. (in.)	Dia. (in.)	Wt. (lbs.)	Fits Model #
10640	36	1	8	84A, 85A, 86A
10665	60	1-1/4	17	1017, 24A, 22B, A 1022
10675	72	1-1/4	20	2029



Model 10640

### Utility Pole Jack

Lightweight aluminum alloy housing is used for pole lining maintenance by telephone, light and power, and railroad companies. Jack pivots, I-Beam base assures firm foundation.



Model A1538

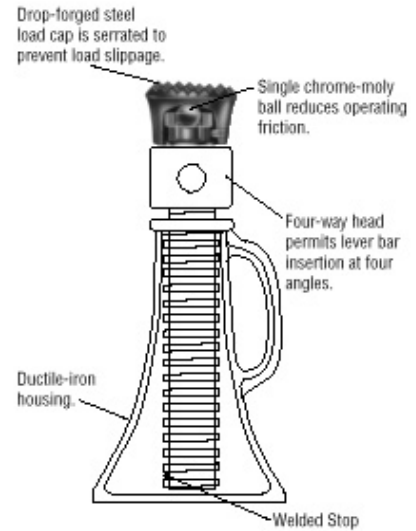
## Screw Jacks

### SJ Screw Jacks

A screw jack is a type of jack that is operated by turning a leadscrew. In the form of a screw jack it is commonly used to lift heavy weights, such as the foundations of houses, or large vehicles.

#### Features:

- 9 Models.
- Ductile iron bodies for strength.
- Positive stop for safety.
- Supports loads indefinitely, and won't creep down.
- Serrated load cap.
- Steel lever bars sold separately



SJ 156



SJ 158



SJ 1512



SJ 2518



SJ 258

### SJ Screw Jack Lever Bars

Use only Simplex lever bar of the diameter and length specified for that particular model.



Model 10621

#### Dimensions

#### Steel Lever bars

Model #	Size (in.)	Sustaining Capacity (tons)	Closed Height (in.)	Stroke (in.)	Handle Effort Per Ton (lbs.)	Base Dia. (in.)	Wt. (lbs.)	Order Number	Lgth. (in.)	Dia (in.)	Wt. (lbs.)
SJ 156	1-1/2 x 6	12	9-3/4	3-3/4	16	4-3/4	10	10621	24	3/4	4
SJ 158	1-1/2 x 8		11-5/8	5-3/4		5-1/2	12				
SJ 1512	1-1/2 x 12		15-5/8	9-3/4		6-1/4	16				
SJ 205	2 x 8	20	11-3/4	5	15	6	17	10635	36	13/16	6
SJ 2010	2 x 10		13-3/4	7		6-1/2	20				
SJ 2012	2 x 12		15-3/4	9		6-3/4	24				
SJ 2518	2-1/2 x 8	24	13	4 -1/4	15	6-1/2	28	10655	42	1-1/8	12
SJ 258	2-1/2 x 12		17	8-1/4		7-1/4	37				
SJ 2512	2-1/2 x 18		23	14-1/4		8-1/2	52				

## Trench Braces

### Trench Braces

Simplex Trench Braces provide efficient, economical protection against cave-ins and costly redigging in construction and utility maintenance. Braces extend by turning the lever nut handle. The ball socket joints tilt for added safety on angular mounting. Holes on each end facilitate mounting to wood members.

Simplex trench braces are designed for use with standard schedule 40 pipe. Screw end models SE-12, SE-16 and butt end model BE-25 use 1 1/2" diameter pipe. Model SE-18 and butt end BE-35 use 2" diameter pipe. Pipe should be cut to length based on the chart below and drawing in Fig. 1.

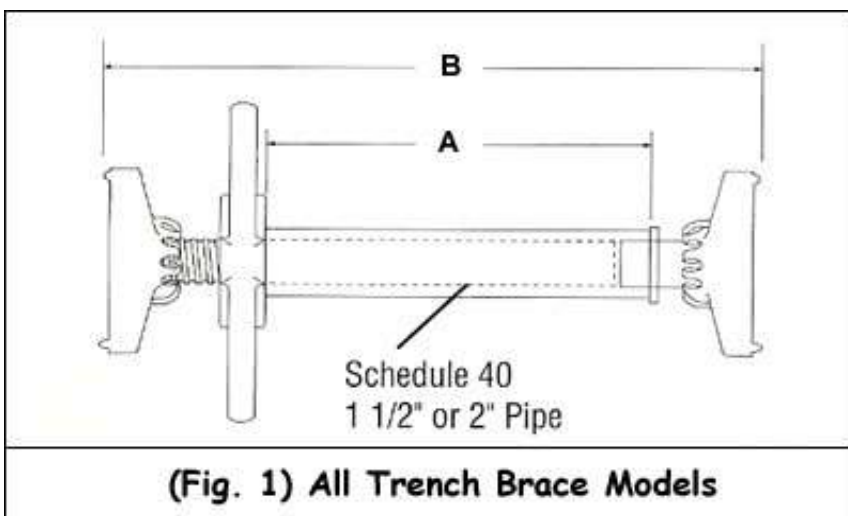
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### Dimensions

Model #	Adjust Range (in.)	Pipe Size (in.)	Butt End	"A" Min. Pipe Lgth. (in.)	"B" Min. Closed Ht. (in.)
SE-12	7	1-1/2	BE-25	12	18
SE-16	7	1-1/2	BE-25	16	22
SE-18	10	2	BE-35	18	25-1/2



Model SE-16



## Hand Pumps / Cylinders

### Lightweight Hand Pumps

Simplex Hand Pumps are Lightweight and Easy to Use

**Features:**

- 5 Models each for maximum versatility
- Silver Lite Aluminum models in 30 and 70 cu. in. reservoir capacity
- Lightweight for maximum portability
- Weighing just 9 lbs. with a full 70 cu. in. of usable oil
- Complies with ANSI/ASME B30.1 safety standards
- All metal construction for durability
- Silver Lite Aluminum construction resists corrosion
- Low handle effort for easy operation
- External adjustable relief valve
- Single- or two-speed models
- 3/8" NPTF outlet ports



Model P140



Model P41

SIMPLEX

Model #	Tool Type	Pressure Rating (psi)	Oil Volume Per Stroke (cu.in.)	Usable Oil Capacity (cu. in.)	Wgt. (lbs.)
P41	Single	10,000	.16	45	18
P42	Double	1 Stage 200 2 Stage 10,000	.82	45	24
P140	Single	10,000	2.8	175	26

### Flat Jack 5 -150 Tons

Simplex Flat Jacks, Designed To Fit In Tight Spots

**Features:**

- Stop rings for piston blow-out protection
- Bronze plated domed piston resists side load
- Plated pistons to resist scoring and corrosion
- High flow couplers
- Mounting holes in 5, 10 and 20 ton models
- Rod wiper protects inner cylinder from dirt
- Exceeds ANSI/ASME B30.1 safety standards.



RFS Series

**Dimensions**

Model #	Cap. (tons)	A Stroke (in.)	B Min. Ht (in.)	C Ext. Ht. (in.)	Ram Bore Dia. (in.)	Effect Area (sq. in.)	Pres. @ Cap. (psi)	Oil Cap. Req'd (cu.in.)	D Body Length (in.)	G Piston O.D. Spring Ret. (in.)	F Base To Port C/L (in.)	Wgt. (lbs.)	Hand Pump
R50	5	5/8	1-5/8	2-1/4	1-1/8	.99	10,000	.6	2-9/16	1		2.5	
RFS10	10	7/16	1-11/16	2-1/8	1-11/16	2.24	8,940	1.0	3-1/4	3/4		3.3	P41
RFS20	20		2-1/32	2-15/32	2-3/8	4.43	9,030	1.9	4	1-1/8		6.0	
RFS30	30	1/2	2-5/16	2-13/16	2-7/8	6.49	9,250	3.2	4-1/2	1-3/8	3/4	8.5	--
RFS50	50	5/8	2-5/8	3-1/4	3-1/2	9.62	10,400	6.0	5-1/2	1-3/4		14.3	
RFS75	75		3-1/8	3-3/4	4-1/2	15.90	9,440	10.0	6-1/2	2-1/8		24.5	P42
RFS100	100		3-3/8	4	5	19.63	10,200	12.3	7	2-1/2		31.0	
RFS150	150	9/16	3-15/16	4-1/2	6-1/4	30.66	9,785	17.2	8-1/2	3	15/16	50.5	





## Cylinders

### Low Profile Cylinders 10 - 100 Tons

Low Profile Cylinders Give Power In Compact Sizes

**Features:**

- 5 Models.
- Plated pistons to resist scoring and corrosion
- High flow coupler
- Stop rings for piston blow-out protection
- Rod wiper protects inner cylinder from dirt
- Exceeds ANSI/ASME B30.1 safety standards



RLS Series

**Dimensions**

Model #	Capacity	Stroke	Min. Height	Max Pressure	Oil Cap Req.	Weight
RLS101	10 tons	1 1/2"	3 15/32"	8,940 psi	3.4 cu. in.	5.8 lbs.
RLS201	20 tons	1 3/4"	3 7/8"	9,030 psi	7.8 cu. in.	10.5 lbs.
RLS302	30 tons	2 7/16"	4 5/8"	9,250 psi	15.8 cu. in.	13.8 lbs.
RLS502	50 tons	2 3/8"	4 13/16"	10,400 psi	22.8 cu. in.	22.8 lbs.
RLS1002	100 tons	2 1/4"	5 9/16"	10,200 psi	44.2 cu. in.	44.5 lbs.

### Single-Acting Center Hole

Simplex Hard-Kor™ Cylinders Make Light Work Of Structural Reconstruction

**Features:**

- HARD-KOR™ Design
- No potential leak points at base
- Extra protection against base blow-out
- Low profiles for more versatility
- Double wipers protect against contamination
- Faster retraction increases productivity
- Large center holes for greater flexibility
- Lower operating pressures
- Doubles as lifting cylinder



RC Series

RC 606

**Dimensions**

Model #	Capacity	Stroke	Min. Height	Max Pressure	Oil Cap Req.	Weight
RC202	20 tons	2"	6 13/16"	7,545 psi	11.0 cu. in.	17 lbs.
RC206	20 tons	6"	11 3/16"	7,545 psi	32.0 cu. in.	31 lbs.
RC302	30 tons	2 1/2"	7"	6,950 psi	22.0 cu. in.	26 lbs.
RC306	30 tons	6 1/8"	12 1/4"	6,950 psi	64.0 cu. in.	52 lbs.
RC606	60 tons	6"	12 21/32"	8,230 psi	5.2 cu. in.	88 lbs.

## Cylinders

### Lightweight Hand Pumps

**Simplex R Series** single-acting, spring return cylinders are an excellent choice for maintenance, positioning and production applications. They can also be used for a wide variety of pressing, bending, clamping, or tooling operations. Features include: High flow quality couplers with metal caps. Collar threads designed for full load. Base and piston mountings for easy fixturing. Removable load caps for flexibility and safety. Steel stop ring for piston blow-out protection. Plated piston to resist scoring and corrosion. Large bearings resist side load. Rod wiper protects inner cylinder from dirt. The suggested Hand Pump for all of these models is **Type No. P42**.



5 - 10 TON



15 - 25 TON



50 - 55 TON

#### Dimensions

Model #	Capacity	Stroke	Min. Height	Max Pressure	Oil Cap Req.	Weight
5 - 10 TON						
R50	5 tons	5/8"	1 5/8"	10,000 psi	.6 cu. in.	2.5 lbs.
R51	5 tons	1"	4 11/32"	10,000 psi	1.0 cu. in.	2.5 lbs.
R53	5 tons	3"	6 1/2"	10,000 psi	3.0 cu. in.	3.3 lbs.
R59	5 tons	9 1/8"	12 3/4"	10,000 psi	9.1 cu. in.	5.5 lbs.
R102	10 tons	2 1/8"	4 25/32"	8,945 psi	5.22 cu. in.	5.2 lbs.
R104	10 tons	4 1/8"	6 3/4"	8,945 psi	9.2 cu. in.	6.3 lbs.
R106	10 tons	6 1/8"	9 3/4"	8,945 psi	13.7 in.	8.8 lbs.
R108	10 tons	8"	5 1/2"	8,945 psi	18.0 cu. in.	10.5 lbs.
R1010	10 tons	10 1/8"	13 3/4"	8,945 psi	5.2 cu. in.	12 lbs.
R1012	10 tons	12"	15 3/4"	8,945 psi	27.0 cu. in.	13.5 lbs.
R1014	10 tons	14"	17 3/4"	8,945 psi	31.5 cu. in.	15.3 lbs.
15 - 25 TON						
R152	15 tons	2"	5 7/8"	9,554 psi	5.2 cu. in.	12 lbs.
R154	15 tons	4"	7 7/8"	9,554 psi	12.6 cu. in.	10.8 lbs.
R156	15 tons	6"	10 11/16"	9,554 psi	19 cu. in.	14.5 lbs.
R1510	15 tons	10"	14 11/16"	9,554 psi	31.4 cu. in.	19.5 lbs.
R251	25 tons	1"	5 1/2"	9,700 psi	5.2 cu. in.	12 lbs.
R252	25 tons	2"	6 1/2"	9,700 psi	10.3 cu. in.	15 lbs.
R256	25 tons	2"	6 1/2"	9,700 psi	32.2 cu. in.	23 lbs.
50 - 55 TON						
R552	50 tons	2"	6 15/16"	9955 psi	22.1 cu. in.	32 lbs.
R556	55 tons	6 1/4"	11 1/8"	9955 psi	69.0 cu. in.	50 lbs.

SIMPLEX

## Hydraulic Spreaders / High Pressure Hoses

### Hydraulic Spreaders 1 - 10 Tons

#### GAT'R JAW SPREADERS

**Features:**

- 2 Models.
- High flow quality couplers.
- Spring return for easy operation.
- Narrow closed ends.
- All metal construction



Model S2000

**Dimensions**

Suggested Hand Pump **P42**

Model #	Capacity (tons)	Pressure @ Capacity (psi)	Oil Capacity Required (cu.in.)	Width (in.)	Wgt. (lbs.)
S2000	1	10000	.8	1.97	7
S3000	1	10000	5.5	2	16

### High Pressure Hoses

**H & HC Series** industrial grade 1/4" I.D. hose is rated at 10,000 psi operating pressure and 20,000 psi minimum burst pressure. This hose is the recommended choice for hand pump and cylinder sets, as well as a wide range of other intermittent applications.

**Dimensions**

Model #	Length (ft.)	Hose End	Hose End	I.D. (in.)
H3	3			
H6	6			
H10	10	3/8" NPTF Male	3/8" NPTF Male	1/4
H20	20			
H36	36			
H50	50			
HC3	3	3/8" NPTF Male	C213 Coupler*	1/4
HC6	6			
HC10	10			
HC20	20			
HC36	36	C213 Coupler*	C213 Coupler*	
HC50	50			



**Dimensions**

Model #	Length (ft.)	Hose End	Hose End	I.D. (in.)
HD3	3			
HD6	6			
HD10	10	3/8" NPTF Male	3/8" NPTF Male	
HD20	20			
HD50	50			
HDC3	3	3/8" NPTF Male	C213 Coupler*	3/8
HDC6	6			
HDC10	10			
HDC20	20			
HDC50	50	C213 Coupler* C213 Coupler*		

**High Flow HD & HDC Series** 3/8" I.D. hose is recommended to achieve higher retraction speeds and minimal flow restrictions. These heavy-duty hoses are rated at 10,000 psi with a minimum burst pressure of 30,000 psi.

## High Pressure Hoses

### High Performance Hoses

Industrial grade rated at 10,000 psi (690 bar) operating pressure and 30,000 psi minimum burst pressure. This heavy duty hose is recommended to achieve higher retraction speeds and minimal flow restrictions.

#### Dimensions

Model #	Length (ft.)	Hose End	Hose End	I.D. (in.)
HE6	6			
HE10	10	3/8" NPTF Male	3/8" NPTF Male	
HE20	20			
HEC6	6			1/4
HEC10	10	3/8" NPTF Male	C213 Coupler*	
HEC20	20			



HE Series



HEC Series

**Thermo-Plastic Series** hoses rated at 10,000 psi (690 bar) operating pressure and 40,000 psi minimum burst pressure, (4:1 safety factor). Hoses are suited for continuous duty applications. The reinforced polyester and carbon steel wire design contributes to low volume expansion, minimized fatigue, and system efficiencies.

#### Dimensions

Model #	Length (ft.)	Hose End	Hose End	I.D. (in.)
HP3	3			
HP6	6			
HP10	10			
HP20	20	3/8" NPTF Male	3/8" NPTF Male	
HP36	36			
HP50	50			
HPC3	3			1/4
HPC6	6	3/8" NPTF Male	C213 Coupler*	
HPC10	10			
HPC20	20			
HPC36	36			
HPC50	50	C213 Coupler*	C213 Coupler*	



HP Series



HPC Series

**Non-Conductive Thermo Plastic Series** Hose is rated at 10,000 psi (690 bar) operating pressure and 40,000 psi minimum burst pressure, (4:1 safety factor). Light weight and durable, the multi-layered design complies with M.H.I. I.J.100 hose specifications. Orange in color, the HR is easily identified from standard conductive hoses.

#### Dimensions

Model #	Length (ft.)	Hose End	Hose End	I.D. (in.)
HR3	3			
HR6	6	3/8" NPTF Male	3/8" NPTF Male	
HR10	10			
HR20	20			1/4
HRC3	3			
HRC6	6	3/8" NPTF Male	C213 Coupler*	
HRC10	10			
HRC20	20			



HR Series



HRC Series



## Air Lifting Bags

### Air Lifting Bags

Simplex Air Bag, an ultra-strong, inflatable Kevlar™ envelope. Available in 11 models ranging in size from 6-inches x 6-inches to 36-inches x 36-inches with capacities of 1.1- to 74.1-tons, Simplex bags provide fast, safe and simple lifting solutions using the power of compressed air. Simplex air bags provide a metal reinforced edge to protect the bag where damage often occurs.

These bags are highly effective in industrial, construction and maintenance applications, such as in changing tires on off-road equipment or aircraft, shifting pipelines and other odd-shaped loads, and rerailling railroad and mining cars. Especially attractive to users is the bag's ability to excel in limited clearance lifting, where it needs no more than one inch of insertion space to be set and inflated. The bag's positive grip furnishes optimal friction, so the bags can be put to use on the harshest surfaces. The grip also enables two or more bags to be stacked together for added stroke. A wide variety of accessories make using Simplex air bags easy to set-up and use.

Virtually any air source can inflate the bag: standard air cylinders, truck air brake systems, compressors, even a foot or hand pump. Less than 60 seconds is required to inflate the largest bag. Inflation and deflation is operator controlled by use of a safety control valve with a color-coded gauge.



SIMPLEX

#### Features:

- Simplex air bag will fit into the tightest areas with collapsed heights of 1.1" to 1.2".
- Models include 2 ply Kevlar with neoprene.
- Serrated lifting surface on each side of the air bag helps prevent load slippage.
- Bright "X" is molded into each bag for easy center point placement.
- Light weight makes the Simplex air bag easy to set up.
- Simplex air bags operate on standard shop air up to 116 psi

#### Dimensions

Model #	Capacity (ton)	Stroke (inch)	Min. Height (inch)	Max. Pressure (psi)	Weight (lbs.)
B1A	1.1	2.7			1.32
B3A	3.1	5.1			2.8
B6A	6.4	5.9			5.3
B11A	10.8	7	1.1		8.8
B14A	14.2	8.6			11.6
B22A	22.7	10.6		116 psi	17.8
B28A	27.7	11.8			24.6
B35A	35.3	14.1			29.9
B46A	46.4	16.5	1.2		40.1
B59A	58.8	17.7			49.6
B74A	74.1	20			55.8



## Shank Fittings

**Dixon**

### Dixon Short Shank Suction Couplings, NPSM Thread

Complete Coupling

Female

Male



Complete Coupling

Female

Male


**Aluminum w/ Brass Nut**

Size	Coupling Part #	Female Part #	Male Part #
1-1/2"	CAB150	FAB150	MA150
2"	CAB200	FAB200	MA200
2-1/2"	CAB250	FAB250	MA250
3"	CAB300	FAB300	MA300
4"	CAB400	FAB400	MA400
6"	CAB600	FAB600	MA600

**Brass**

Size	Coupling Part #	Female Part #	Male Part #
1-1/4"	CBB125	FBB125	MB125
1-1/2"	CBB150	FBB150	MB150
2"	CBB200	FBB200	MB200
2-1/2"	CBB250	FBB250	MB250
3"	CBB300	FBB300	MB300
4"	CBB400	FBB400	MB400

Complete Coupling

Female

Male



Complete Coupling

Female

Male


**Plated Iron**

Size	Coupling Part #	Female Part #	Male Part #
1"	S33	S12	S10
1-1/4"	S48	S17	S15
1-1/2"	S63	S22	S20
2"	S78	S27	S25
2-1/2"	S93	S32	S30
3"	S111	S38	S36
4"	S123	S42	S40
5"	S168	S57	S55
6"	S183	S62	S60
8"	S243	S82	STC80

**Plated Iron w/ Brass Nut**

Size	Coupling Part #	Female Part #	Male Part #
1"	SB33	SB12	S10
1-1/4"	SB48	SB17	S15
1-1/2"	SB63	SB22	S20
2"	SB78	SB27	S25
2-1/2"	SB93	SB32	S30
3"	SB111	SB38	S36
4"	SB123	SB42	S40
5"	SB168	SB57	S55
6"	SB183	SB62	S60
8"	SB243	SB82	STC80

### Dixon Nylon Short Shank Suction Couplings

**Reinforced Nylon**

Size	Coupling Part #	Female Part #	Male Part #
1-1/4" *	TCS48	TCF17	TCM15
1-1/2"	TCS63	TCF22	TCM20
2"	TCS78	TCF27	TCM25
3"	TCS111	TCF38	TCM36

\* has a NPSM thread

## Shank Fittings / Hose Menders / Foot Valves

### Dixon Brass Long Shank Couplings (NST Thread)

Hose ID	NST Thread	Complete Coupling	Female	Male
		Part #	Part #	Part #
1-1/2"	1-1/2"	BLS63NST	BLS150NST	BLS20NST
2-1/2"	2-1/2"	BLS93NST	BLS250NST	BLS30NST



### Dixon Steel Hose Menders



RD



DM

Size	Stainless Steel Part #	Size	Zinc Plated Steel Part #	Size	Zinc Plated Steel Part #
1/4"	RDMA	1/4"	DMA	2"	DM26
3/8"	RDMB	3/8"	DMB	2"	DMXL26*
1/2"	RDM1	1/2"	DM1	2-1/2"	DM31
3/4"	RDM6	5/8"	DM5	3"	DM36
1"	RDM11	3/4"	DM6	4"	DM46
1-1/4"	RDM16	1"	DM11	5"	DM51
1-1/2"	RDM21	1-1/4"	DM16	6"	DM66
2"	RDM26	1-3/8"	DM18	8"	DM86
3"	RDM36	1-1/2"	DM21	10"	DM100
4"	RDM46	1-1/2"	DMXL21*	12"	DM120

**Details:**

- They are not for compressible products such as air, nitrogen or steam.
- The working pressure may vary with the construction of the hose, the type of clamping system used and the application. Consult Wharton for recommendations.
- In accordance with R.M.A. bulletin for oil suction and discharge hose, a coupled length of hose in any size, should be tested to 1-1/2 times the working pressure and held for fifteen minutes without leaking or coupling movement. For additional information and detailed instruction on testing procedures, see the Rubber Manufacturers Association (R.M.A.) handbook.

\* XL series is extra long.

### Dixon Cast Iron Threaded Foot Valves

DFVS



Complete Threaded Assembly

FVS



Strainer Only

FVFA



Flapper Valve Assembly

FVL



Valve Rubber

FVSP

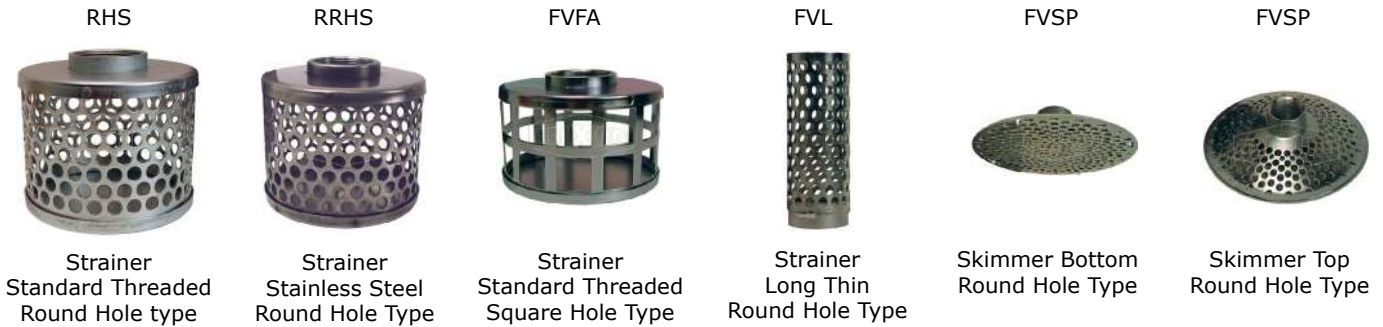


Seat Plate

NPT Size	Part #	Part #	Part #	Part #	Part #
1-1/2"	DFVS20	FVS20	FVFA20	FVL20	FVSP20
2"	DFVS25	FVS25	FVFA25	FVL25	FVSP25
2-1/2"	DFVS30	FVS30	FVFA30	FVL30	FVSP30
3"	DFVS35	FVS35	FVFA35	FVL35	FVSP35
4"	DFVS40	FVS40	FVFA40	FVL40	FVSP40
6"	DFVS60	FVS60	FVFA60	FVL60	FVSP60
8"	DFVS80	FVS80	FVFA80	FVL80	FVSP80

## Strainers / Skimmers / Nipples

### Dixon Strainers and Skimmers



Size	Part #	Part #	Part #	Part #	Part #	Part #
1-1/2"	RHS20	RRHS20	SHS20	RSS20	DSB20	DST20
2"	RHS25	RRHS25	SHS25	RSS25	DSB25	DST25
2-1/2"	RHS30	--	SHS30	RSS30	--	--
3"	RHS35	RRHS35	SHS35	RSS35	DSB35	DST35
4"	RHS40	RRHS40	SHS40	RSS40	--	--
5"	RHS50	--	--	--	--	--
6"	RHS60	RRHS60	SHS60	--	--	--
8"	RHS80	--	--	--	--	--
10"	RHS100	--	--	--	--	--
12"	RHS120	--	--	--	--	--

**Dixon**
**TSS**


Strainer  
NPT Threaded  
Black Polyethylene

Size	Part #
1-1/2"	TSS20
2"	TSS25
3"	TSS35

### 3500 Zinc Plated Steel Nipples

Hose Shank Female NPT



Hose Size	NPT Size	Part #
1/4"	1/4"	3542
3/8"	1/4"	3545
3/8"	3/8"	3546
1/2"	3/8"	3550
1/2"	1/2"	3552
3/4"	3/4"	3554

Hose Shank Male NPT



Hose Size	NPT Size	Part #
1/4"	1/8"	3501
1/4"	1/4"	3502
1/4"	3/8"	3504
3/8"	1/4"	3505
3/8"	3/8"	3506
3/8"	1/2"	3508
1/2"	1/4"	3509
1/2"	3/8"	3510
1/2"	1/2"	3512
1/2"	3/4"	3511
3/4"	1/2"	3513
3/4"	3/4"	3514
3/4"	1"	3515
1"	3/4"	3516
1"	1"	3518

### Dixon Combination Nipple NPT Thread (STC80)

Size	Coupling Part #	Female Part #	Male Part #
8"	SB243	SB82	STC80



Male STC80





## Hoses Accessories



### Brass Short Shank Fittings

Machined (complete)



Machined Female w/ Swivel Nut



Machined Male



#### Brass Short Shank Fittings - NPSM Thread

Hose ID	Thread	Complete Part #	Hose ID	Thread	Female Part #	Hose ID	Thread	Male Part #
1/2"	3/4"	BS406	1/2"	3/4"	BS446	1/2"	3/4"	BS416
--	--	---	5/8"	3/4"	BS546	--	--	---
3/4"	3/4"	BS606	3/4"	3/4"	BS646	3/4"	3/4"	BS616
1"	1"	BS808	1"	1"	BS848	1"	1"	BS818

Complete Coupling Cast (sets only)



Complete Coupling Machined



Female w/ Swivel Nut Machined



Machined Male



#### Brass Short Shank Fittings - GHT Thread

Size	Complete Part #	Size	Complete Part #	Size	Female Part #	Size	Male Part #
1/2"	CBC74	3/8"	BC73	3/8"	BCF73	3/8"	BCM73
5/8"	CBC75	1/2"	BC74	1/2"	BCF74	1/2"	BCM74
3/4"	CBC76	5/8"	BC75	5/8"	BCF75	5/8"	BCM75
1" *	CBC88	3/4"	BC76	3/4"	BCF76	3/4"	BCM76

\* 1" cast has NPSM Threads

### Brass GHT Adapters

Female Swivel



Rigid Female GHT x Female NPTF



Rigid Female GHT x Female NPTF



Size	Part #
GHT x GHT	BA977

Female x Female	Part #
GHT x 1/8" NPTF	BA971
GHT x 1/4" NPTF	BA972
GHT x 3/8" NPTF	BA973
GHT x 1/2" NPTF	BA974
GHT x 3/4" NPTF	BA976

Male x Male	Part #
GHT x 3/8" NPTF	BA73
GHT x 1/2" NPTF	BA74
GHT x 3/4" NPTF	BA776

## Hose Accessories / Clamps

### Dixon Brass Short Shank Fittings



Female Swivel

Female x Female	Part #
GHT x 1/2" NPTF	BAS974
GHT x 3/4" NPTF	BAS976



Garden Hose Cap

Size	Part #
GHT	GHC7



Female GHT x Male NPTF

Female x Female	Part #
GHT x 3/8" NPTF	BMA973
GHT x 1/2" NPTF	BMA974
GHT x 3/4" NPTF	BMA976
GHT x 1" NPTF	FM7610T



Male GHT x Female NPT

Male x Female	Part #
GHT x 1/4" NPTF	507-1204
GHT x 3/8" NPTF	507-1206
GHT x 1/2" NPTF	BA794
GHT x 3/4" NPTF	BA796
GHT x 1" NPTF	FM1076



Female GHT Swivels x Male NPT

Female x Male	Part #
GHT x 1/4" NPTF	504-1204
GHT x 3/8" NPTF	504-1206
GHT x 1/2" NPTF	504-1208
GHT x 3/4" NPTF	504-1212



Threaded Male

Male x Male	Part #
GHT x GHT	BA777
1" NPSH x GHT	509-1612

### Dixon Make-A-Clamp Kits

This is a maintenance clamp system in a box. By simply cutting off a piece of banding from a continuous roll, you can make any size 301 stainless steel worm-driven clamp from 2" diameter and up. It is a must for anyone likely to encounter requirements for varying sized large clamps.

Part #	Contents
4000	Retail kit; 8½' band, 3 adjustable fasteners, 1 band splice.
4001	Kit with 100' band, 25 adjustable fasteners, 10 band splices.
4002	Kit with 50' band, 10 adjustable fasteners, 5 band splices.
4004	Adjustable fastener. Priced per box. Shipped 10 fasteners per box.
4005	Box with 100' band, 10 band splices.
4006	Box with 50' band, 5 band splices.
4007	6" demonstrator kit with clamps.



## Clamps

### Dixon Worm Gear Clamps

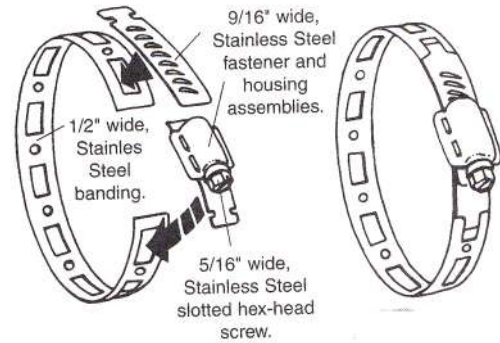
Style HS Clamp



Combination 5/16" hexagon and screwdriver slotted screw.

- SAE 300 series stainless band and housing with SAE 1018 case-hardened steel, zinc plated and chromate dip screw.
- Upgraded to four-piece construction

Band Width	Hose O.D. Range To: From:	Part #	Master *
1/2"	28/64" 50/64"	HS6	200
	32/64" 58/64"	HS8	200
	36/64" 1-4/64"	HS10	500
	44/64" 1-16/64"	HS12	500
	52/64" 1-32/64"	HS16	500
	52/64 1-48/64"	HS20	500
	1-4/64" 2"	HS24	500
	1-20/64" 2-16/64"	HS28	500
	1-36/64" 2-32/64"	HS32	500
	1-52/64" 2-48/64"	HS36	500
	2-4/64" 3"	HS40	200
	2-20/64" 3-16/64"	HS44	200
9/16"	2-36/64" 3-32/64"	HS48	200
	2-52/64" 3-48/64"	HS52	200
	3-4/64" 4"	HS56	200
	3-20/64" 4-16/64"	HS60	200
	3-36/64" 4-32/64"	HS64	200
	1-56/64" 5"	HS72	100
	2-32/64" 5-32/64"	HS80	100
	3-8/64" 6"	HS88	100
	3-40/64" 6-32/64"	HS96	100
	4-8/64" 7"	HS104	100
	5-40/64" 8-32/64"	HS128	100
	7-8/64" 10"	HS152	100
1 1/2"	9-24/64" 12-16/64"	HS188	100
	10-8/64" 13"	HS200	100
	10-56/64" 13-48/64"	HS212	100
	11-40/64" 14-32/64"	HS224	100
	12-24/64" 15-16/64"	HS236	100
2"	13-8/64" 16"	HS248	100
	17-8/64" 20"	HS312	100



HS6



HS56



HS312



This clamp meets SAEJ1508 which supercedes Mil Spec WW-C-440B.

Maximum recommended torque 30 in. lbs.

**\* All clamps sold 10 per box**

Torque ratings given on this page correspond to the torque rating of the screw of the clamp and are not an indication of the working pressure of any hose assembly installed with this clamp.



HARDWARE & SUPPLY CO. Inc.  
Supply Inc. of Virginia  
Form Rentals

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.....Metro (703) 569-6660 • VA (703) 455-6700  
.....Clinton MD (301) 877-8640



## Fire Hose Fittings

### Dixon WW

Female NPSH Thread	Male NPT Thread	Part #
3/4" GHT	1"	FM7610T
1"	3/4" GHT	FM10S76
1-1/2"	1-1/2"	FM15S15T
2-1/2"	2-1/2"	FM25S25T
Female NPSH Thread	Male NST (NH) Thread	Part #
1-1/2"	1-1/2"	FM15S15F
2"	1-1/2"	FM20S15F
2"	2-1/2"	FM20S25F
2-1/2"	2-1/2"	FM25S25F
3"	2-1/2"	FM30S25F
Female NPSH Thread	Male NPSH Thread	Part #
2"	1-1/2"	FM20S15
Female NST (NH) Thread	Male NPT Thread	Part #
1"	1"	FM10F10T
1-1/2"	1-1/2"	FM15F15T
1-1/2"	2"	FM15F20T
1-1/2"	2-1/2"	FM15F25T
2-1/2"	3/4"	FM25F75T
2-1/2"	1"	FM25F10T
2-1/2"	1-1/2"	FM25F15T
2-1/2"	2"	FM25F20T
2-1/2"	2-1/2"	FM25F25T
2-1/2"	3"	FM25F30T
3"	2-1/2"	FM30F25T
3"	3"	FM30F30T
4"	4"	FM40F40T
4-1/2"	4"	FM45F40T
Female NST (NH) Thread	Male NPT Thread	Part #
1-1/2"	1-1/2"	FM15F15F
1-1/2"	2-1/2"	FM15F25F
1-1/2"	3"	FM15F30F
2-1/2"	2-1/2"	FM25F25F
2-1/2"	3"	FM25F30F

**Reducer**

**Same Size**

**Increaser**


Female NPT Thread	Male NPSH Thread	Part #
1" 3/4"	GHT	FM1076
1"	1"	FM1010
1-1/2"	1-1/2"	FM1515
2"	2"	FM2020
2-1/2"	2-1/2"	FM2525
Female NPT Thread	Male NST (NH) Thread	Part #
1"	1"	FM1010F
1"	1-1/2"	FM1015F
1-1/2"	1-1/2"	FM1515F
1-1/2"	2-1/2"	FM1525F
1-1/2"	3"	FM1530F
2"	1-1/2"	FM2015F
2"	2-1/2"	FM2025F
2-1/2"	2-1/2"	FM2525F
3"	2-1/2"	FM3025F
3"	3"	FM3030F
4"	2-1/2"	FM4025F
4"	4"	FM4040F
4"	4-1/2"	FM4045F
6"	6"	FM6060F
Female NPT Thread	Male NST Thread	Part #
3"	2-1/2"	FM3025T

**Dixon**



## Fire Hose Fittings / Valves

**Dixon**

### Dixon Brass Double Male Hex Nipples

Male NPT Thread	Male NPSH Thread	Part #
1"	3/4" GHT	DMH1076
1"	1"	DMH1010
1"	1-1/2"	DMH1015
1-1/2"	1"	DMH1510
1-1/2"	1-1/2"	DMH1515
1-1/2"	2"	DMH1520
2"	1-1/2"	DMH2015
2"	2"	DMH2020
2"	2-1/2"	DMH2025
2-1/2"	2"	DMH2520
2-1/2"	2-1/2"	DMH2525
2-1/2"	3"	DMH2530
3"	2-1/2"	DMH3025
3"	3"	DMH3030
4"	4"	DMH4040
6"	6"	DMH6060
Male NST (NH) Thread	Male NST (NH) Thread	Part #
1-1/2"	1-1/2"	DMH15F15F
1-1/2"	2-1/2"	DMH15F25F
2-1/2"	2-1/2"	DMH25F25F
2-1/2"	3"	DMH25F30F
Male NST (NH) Thread	Male NPSH Thread	Part #
1-1/2"	1-1/2"	DMH15F15

Reducer / DMH



Same Size / DMH



Increaser / DMH



Male NPT Thread	Male NST (NH) Thread	Part #
3/4"	1-1/2"	DMH7515F
1"	1"	DMH1010F
1"	1-1/2"	DMH1015F
1"	2-1/2"	DMH1025F
1-1/2"	1"	DMH1510F
1-1/2"	1-1/2"	DMH1515F
1-1/2"	2-1/2"	DMH1525F
2"	1-1/2"	DMH2015F
2"	2-1/2"	DMH2025F
2-1/2"	1-1/2"	DMH2515F
2-1/2"	2-1/2"	DMH2525F
2-1/2"	3"	DMH2530F
3"	2-1/2"	DMH3025F
3"	3"	DMH3030F
4"	4"	DMH4040F
4"	4-1/2"	DMH4045F
5"	5"	DMH5050F
6"	4-1/2"	DMH6045F
6"	6"	DMH6060F
Male NPT Thread	Male NPT Thread	Part #
1-1/2"	1-1/2"	DMH15T15T
2-1/2"	3"	DMH25T30T

### Dixon Brass Ball Valves

- Red polycarbonate with brass stem.
- For use up to 100 PSI (water only).
- Adjusts from straight stream to fog.

Size	Thread	90° Spray GPM @ 100 PSI	Part # with Bumper	Part # without Bumper
3/4"	GHT	30.9 **	FNB75GHT	---
3/4"	NPS	30.9 **	FNB75S	---
1"	NPS	11.4	FNB100S	FN100S
1"	NPS	30.9 **	HGB100S	---
1-1/2"	NPS	83.6	FNB150S	FN150S
1"	NST (NH)	11.4	FNB100NST	FN100NST
1"	NST (NH)	30.9 **	HGB100NST	---
1-1/2"	NST (NH)	83.6	FNB150NST	FN150NST

\*\* 120" spray for 3/4" nozzle

FNB / HGB w/ Bumper



FN w/o Bumper



For cabinet use.

## Valves / Wrenches

**Dixon**

### Dixon Plain Hose Nozzles

- Brass with satin finish.
- Operating pressure up to 100 PSI (water only).



Size	Thread	Length	Orifice	Part #
3/4"	GHT	6"	1/4"	BN6
3/4"	NPSH	6"	1/4"	BN7
1"	NPSH	8"	5/16"	BN10
1-1/4"	NPSH	10"	3/8"	BN12
1-1/2"	NPSH	10"	1/2"	BN15
2"	NPSH	12"	9/16"	BN20
2-1/2"	NPSH	12"	1"	BN25
1"	NST (NH)	8"	5/16"	BN10F
1-1/2"	NST (NH)	10"	1/2"	BN15F
2-1/2"	NST (NH)	12"	1"	BN25F

### Dixon Valves

#### Malleable Iron Drum Gate Valves

- Manually operated.
- Ideal for drawing non-flammable liquids from drums and tanks.
- Iron body.
- Machined and lapped brass faceplate designed for oval discharge to ensure no splashing and smooth operation.
- Black Japanned finish.
- Male NPT.
- Can be padlocked



NPT Size	Part #
3/4"	D71
2"	D75

#### Drum Faucets

- Gold polyethylene.
- Faucets are not to be used in applications where temperatures exceed 140°F (60°C).
- No wrench needed for screwing into drum opening.
- 2" faucet is shipped with a gasket; the 3/4" does not require a gasket



NPT Size	Part #
3/4"	PEDF75
2"	PEDF200

### Dixon Bronze Drum Plug Wrench

- Sparkproof, natural finish is safe around flammables.
- Offset handle design reduces user stress and minimizes knuckle injury.



Part #
DPW

## Cam and Groove

### Dixon EZ Boss Lock

#### EZ BOSS-LOCK

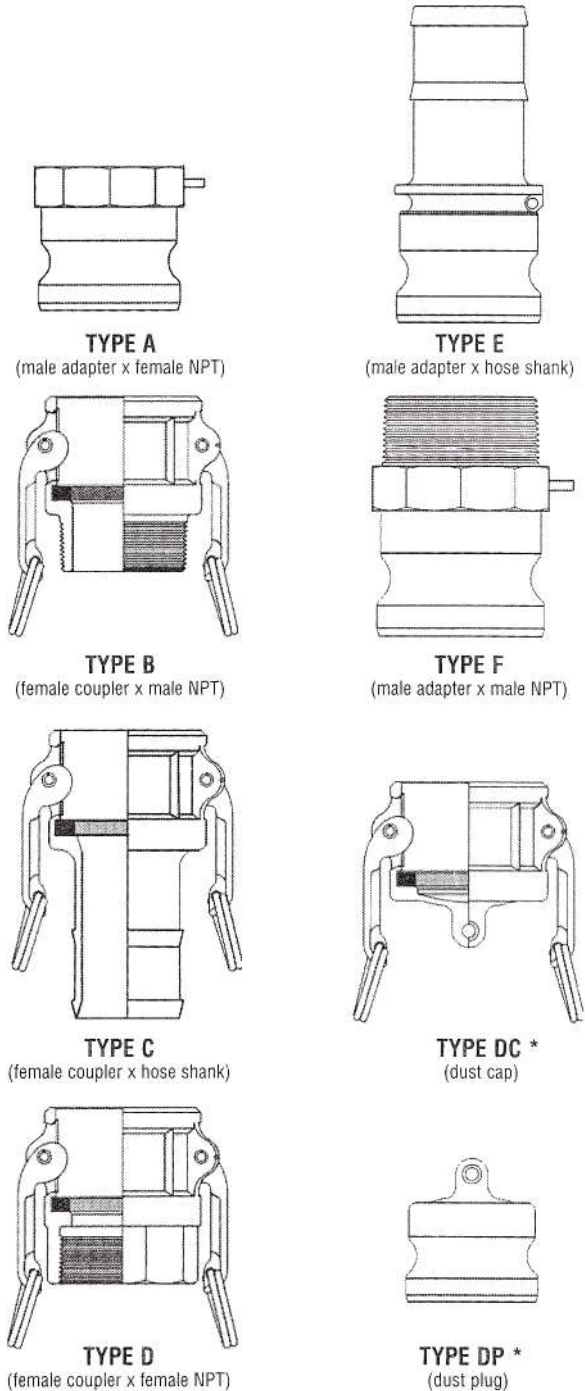
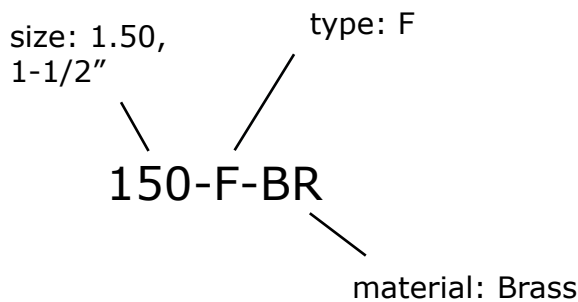
No more fumbling with clamps, wire, clips or pins.  
Just close the handles and the locking mechanism is engaged.



Unlike other safety couplings . . .

- The EZ Boss-Lock is extremely EASY TO OPEN!!! ERGONOMIC.
- The EZ Boss-Lock is resistant to accidental disconnection when being dragged. The release lever opens in the direction opposite to the cam arm, so movements that tend to open the release lever also tend to close the cam arm!!!
- The EZ Boss-Lock alerts you if it is not properly engaged. If the rotating lever is not flush with the handle, it is not properly engaged.
- The EZ Boss-Lock has no sliding pins to jam. The EZ Boss-Lock's rotating action helps keep the locking device free of debris.
- The EZ Boss-Lock has no sliding pins to pop open. The EZ Boss-Lock is designed to protect critical parts from impact and to withstand rugged use.
- The EZ Boss-Lock can be supplied with special shanks custom suited to your needs. The EZ Boss-Lock is available with Swaged and PF shank designs, for hard to couple chemical hoses.
- The EZ Boss-Lock cam arm assemblies are made of investment cast Stainless Steel with plated Carbon Steel pull rings.
- The EZ Boss-Lock is easier to insert into the hose tubes on Tank Trucks, and easier to use in restricted spaces. This is due to the smaller maximum O.D. and a more snag free exterior.
- The EZ Boss-Lock Cam Arm assemblies can be retrofitted onto Undamaged Stainless Steel Boss-Lock. This allows you to protect your investment in Stainless Steel Boss-Lock couplings while you upgrade.
- The EZ Boss-Lock is Made in the USA

**Part #**



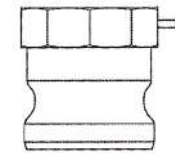
## Cam and Groove Adapters

### Dixon Boss-Lock Type A Adapters



Size	Part #	Part #	Part #	Part #	Part #	Part #
1/2"	50-A-AL	----	50-A-BR	----	----	50-A-SS
3/4" x 1/2"	7550-A-AL	----	7550-A-BR	----	----	7550-A-SS
3/4"	75-A-AL	----	75-A-BR	----	75-A-PM	75-A-SS
1"	100-A-AL	----	100-A-BR	----	100-A-PM	100-A-SS
1-1/4"	125-A-AL	----	125-A-BR	----	----	125-A-SS
1-1/2"	150-A-AL	150-A-ALH	150-A-BR	150-A-MI	150-A-PM	150-A-SS
2"	200-A-AL	200-A-ALH	200-A-BR	200-A-MI	200-A-PM	200-A-SS
2-1/2"	250-A-AL	----	250-A-BR	----	250-A-PM	250-A-SS
3"	300-A-AL	300-A-ALH	300-A-BR	300-A-MI	300-A-PM	300-A-SS
4"	400-A-AL	400-A-ALH	400-A-BR	400-A-MI	400-A-PM	400-A-SS
5"	500-A-AL	----	----	500-A-MI	----	500-A-SS
6"	600-A-AL	600-A-ALH	600-A-BR	----	600-A-PM	600-A-SS
8" DIX*	800-A-AL	----	----	----	----	----
8" BL*	801-A-AL	----	----	----	----	----

\* Boss-Lock Cam and Groove couplings DO NOT INTERCHANGE IN THE 8" SIZE.



**TYPE A**  
(male adapter x female NPT)

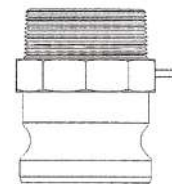
- Features:
- Precision machined to rigid tolerances

### Dixon Boss-Lock Type F Adapters



Size	Part #	Part #	Part #	Part #	Part #	Part #
1/2"	50-F-AL	----	50-F-BR	----	----	50-F-SS
3/4" x 1/2"	7550-F-AL	----	7550-F-BR	----	----	7550-F-SS
3/4"	75-F-AL	----	75-F-BR	----	75-F-PM	75-F-SS
1"	100-F-AL	----	100-F-BR	----	100-F-PM	100-F-SS
1-1/4"	125-F-AL	----	125-F-BR	----	----	125-F-SS
1-1/2"	150-F-AL	150-F-ALH	150-F-BR	150-F-MI	150-F-PM	150-F-SS
2"	200-F-AL	200-F-ALH	200-F-BR	200-F-MI	200-F-PM	200-F-SS
2-1/2"	250-F-AL	----	250-F-BR	----	250-F-PM	250-F-SS
3"	300-F-AL	300-F-ALH	300-F-BR	300-F-MI	300-F-PM	300-F-SS
4"	400-F-AL	400-F-ALH	400-F-BR	400-F-MI	400-F-PM	400-F-SS
5"	500-F-AL	----	----	----	----	----
6"	600-F-AL	600-F-ALH	600-F-BR	----	600-F-PM	600-F-SS
8" DIX*	800-F-AL	----	----	----	----	----
8" BL*	801-F-AL	----	----	----	----	----

\* Boss-Lock Cam and Groove couplings DO NOT INTERCHANGE IN THE 8" SIZE.



**TYPE F**  
(male adapter x male NPT)

- Features:
- To make a connection, simply slide the adapter into the coupler and with normal hand pressure, press the cam levers down. Uncoupling is as quick and simple as coupling. Just lift the cam arms and remove the adapter.



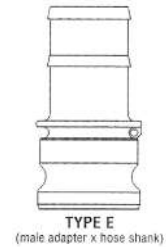
## Cam and Groove Adapters / Plugs

Dixon

### Dixon Boss-Lock Type E Adapters



Size	Part #	Part #	Part #	Part #	Part #	Part #
1/2"	50-E-AL	-----	50-E-BR	-----	-----	50-E-SS
3/4" x 1/2"	7550-E-AL	-----	7550-E-BR	-----	7550-E-PM	7550-E-SS
3/4"	75-E-AL	-----	75-E-BR	-----	75-E-PM	75-E-SS
1"	100-E-AL	-----	100-E-BR	-----	100-E-PM	100-E-SS
1-1/4"	125-E-AL	-----	125-E-BR	-----	125-E-PM	125-E-SS
1-1/2"	150-E-AL	150-E-ALH	150-E-BR	150-E-MI	150-E-PM	150-E-SS
2"	200-E-AL	200-E-ALH	200-E-BR	200-E-MI	200-E-PM	200-E-SS
2-1/2"	250-E-AL	-----	250-E-BR	-----	-----	250-E-SS
3"	300-E-AL	300-E-ALH	300-E-BR	300-E-MI	300-E-PM	300-E-SS
4"	400-E-AL	400-E-ALH	400-E-BR	400-E-MI	400-E-PM	400-E-SS
5"	500-E-AL	-----	-----	-----	-----	500-E-SS
6"	600-E-AL	600-E-ALH	600-E-BR	-----	600-E-PM	600-E-SS
8" DIX*	800-E-AL	-----	-----	-----	-----	-----
8" BL*	801-E-AL	-----	-----	-----	-----	-----



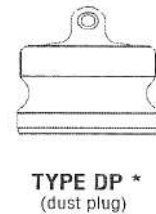
**Features:**  
To make a connection, simply slide the adapter into the coupler and with normal hand pressure, press the cam levers down. Uncoupling is as quick and simple as coupling. Just lift the cam arms and remove the adapter.

\* Boss-Lock Cam and Groove couplings DO NOT INTERCHANGE IN THE 8" SIZE.

### Dixon Boss-Lock Type DP Dust Plugs



Size	Part #	Part #	Part #	Part #	Part #	Part #
1/2"	50-DP-AL	-----	50-DP-BR	-----	-----	50-DP-SS
3/4"	75-DP-AL	-----	75-DP-BR	-----	-----	75-DP-SS
1"	100-DP-AL	-----	100-DP-BR	-----	100-DP-PM	100-DP-SS
1-1/4"	125-DP-AL	-----	125-DP-BR	125-DP-MI	125-DP-PM	125-DP-SS
1-1/2"	150-DP-AL	150-DP-ALH	150-DP-BR	150-DP-MI	150-DP-PM	150-DP-SS
2"	200-DP-AL	200-DP-ALH	200-DP-BR	200-DP-MI	200-DP-PM	200-DP-SS
2-1/2"	250-DP-AL	-----	250-DP-BR	-----	250-DP-PM	250-DP-SS
3"	300-DP-AL	300-DP-ALH	300-DP-BR	300-DP-MI	300-DP-PM	300-DP-SS
4"	400-DP-AL	400-DP-ALH	400-DP-BR	400-DP-MI	400-DP-PM	400-DP-SS
5"	500-DP-AL	-----	-----	-----	-----	600-DP-SS
6"	600-DP-AL	600-DP-ALH	600-DP-BR	-----	-----	-----
8" DIX*	800-DP-AL	-----	-----	-----	-----	-----
8" BL*	801-DP-AL	-----	-----	-----	-----	-----



**Safety notes:**  
Dust caps and dust plugs are not to be used in pressure applications for safety and environmental reasons.

\* Boss-Lock Cam and Groove couplings DO NOT INTERCHANGE IN THE 8" SIZE.

## Dust Caps

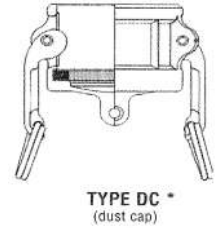
Dixon

### Dixon Type DC Dust Caps



Size	Part #	Part #	Part #	Part #	Part #
1/2"	50-DC-AL	-----	50-DC-BR	-----	50-DC-SS
3/4"	75-DC-AL	-----	75-DC-BR	-----	75-DC-SS
1"	100-DC-AL	-----	100-DC-BR	-----	100-DC-SS
1-1/2"	150-DC-AL	150-DC-ALH	150-DC-BR	-----	150-DC-SS
2"	200-DC-AL	200-DC-ALH	200-DC-BR	200-DC-MI	200-DC-SS
3"	300-DC-AL	300-DC-ALH	300-DC-BR	-----	250-DC-SS
4"	400-DC-AL	400-DC-ALH	400-DC-BR	300-DC-MI	300-DC-SS
5"	500-DC-AL	-----	500-DC-BR	400-DC-MI	400-DC-SS
6"	600-DC-AL	600-DC-ALH	-----	-----	500-DC-SS
8" *	800-DC-AL	-----	-----	-----	600-DC-SS

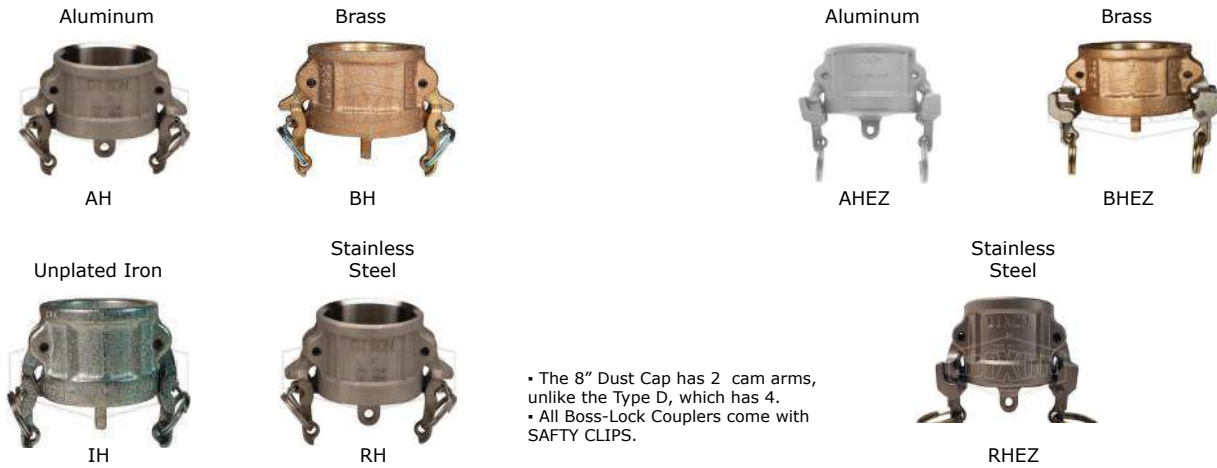
\*See Boss-Lock for 1-1/4" and 2-1/2" couplers.  
 • The 8" Dust Cap has 2 cam arms, unlike the Type D, which has 4.  
 • Finger rings are not supplied on 1/2" - 1" couplings.  
 • 1/2" has only one arm.



\* Boss-Lock Cam and Groove couplings DO NOT INTERCHANGE IN THE 8" SIZE.

### Dixon Boss-Lock Type H Dust Cap

### Dixon EZ Boss-Lock Type H Dust Cap



• The 8" Dust Cap has 2 cam arms, unlike the Type D, which has 4.  
 • All Boss-Lock Couplers come with SAFETY CLIPS.

Size	Part #	Part #	Part #	Part #
3/4"	AH075	BH075	IH075	RH075BL
1"	AH100	BH100	IH100	RH100BL
1-1/2"	AH125	BH125	-----	RH125BL
1-1/2"	AH150	BH150	IH150	RH150BL
2"	AH200	BH200	IH200	RH200BL
2-1/2"	AH250	BH250	IH250	-----
3"	AH300	BH300	IH300	RH300BL
4"	AH400	BH400	IH400	RH400BL
6"	AH600	BH600	IH600	-----
8" *	AH800	----	-----	-----

Size	Part #	Part #	Part #
3/4"	-----	BH075EZ	RH075EZ
1"	AH100EZ	BH100EZ	RH100EZ
1-1/4"	-----	-----	RH125EZ
1-1/2"	AH150EZ	BH150EZ	RH150EZ
2"	AH200EZ	BH200EZ	RH200EZ
2-1/2"	AH250EZ	-----	-----
3"	AH300EZ	BH300EZ	RH300EZ
4"	AH400EZ	BH400EZ	RH400EZ
6"	AH600EZ	-----	RH600EZ

\* Boss-Lock Cam and Groove couplings DO NOT INTERCHANGE IN THE 8" SIZE.



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## Cam and Groove Couplers

### Dixon Type C Couplers

Aluminum



AL

Aluminum Hard Coat



ALH

Brass



BR

Unplated Iron



MI

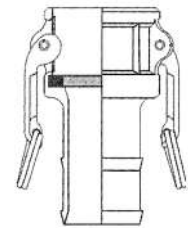
Stainless Steel



SS

Size	Part #	Part #	Part #	Part #	Part #
1/2"	50-C-AL	----	50-C-BR	----	50-C-SS
3/4"	75-C-AL	----	75-C-BR	----	75-C-SS
1"	100-C-AL	----	100-C-BR	----	100-C-SS
1-1/4"	----	----	----	----	125-C-SS
1-1/2"	150-C-AL	150-C-ALH	150-C-BR	150-C-MI	150-C-SS
2"	200-C-AL	200-C-ALH	200-C-BR	200-C-MI	200-C-SS
2-1/2"	----	----	----	----	250-C-SS
3"	300-C-AL	300-C-ALH	300-C-BR	300-C-MI	300-C-SS
4"	400-C-AL	400-C-ALH	400-C-BR	400-C-MI	400-C-SS
5"	500-C-AL	----	----	----	500-C-SS
6"	600-C-AL	600-C-ALH	600-C-BR	----	600-C-SS
8" *	800-C-AL	----	----	----	----

- Features:
- Buna-N gasket
  - Investment stainless steel cam arms
  - Supplied with safety clips



TYPE C  
(female coupler x hose shank)

\* Boss-Lock Cam and Groove couplings DO NOT INTERCHANGE IN THE 8" SIZE.

### Dixon Boss-Lock Type C Couplers

Aluminum



AC

Brass



BC

Unplated Iron



IC

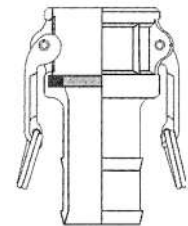
Stainless Steel



RC

Size	Part #	Part #	Part #	Part #
3/4" 1/2"	----	----	----	RC050BL
3/4"	AC075	BC075	IC075	RC075BL
1"	AC100	BC100	IC100	RC100BL
1-1/4"	AC125	BC125	----	RC125BL
1-1/2"	AC150	BC150	IC150	RC150BL
2"	AC200	BC200	IC200	RC200BL
2-1/2"	AC250	BC250	----	----
3"	AC300	BC300	IC300	RC300BL
4"	AC400	BC400	IC400	RC400BL
6"	AC600	BC600	IC600	----
8" *	AC800	----	----	----

- Features:
- Buna-N gasket
  - Investment stainless steel cam arms
  - Supplied with safety clips



TYPE C  
(female coupler x hose shank)

\* Boss-Lock Cam and Groove couplings DO NOT INTERCHANGE IN THE 8" SIZE.

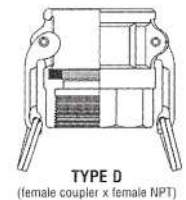
## Cam and Groove Couplers

**Dixon**

### Dixon Type D Couplers



Size	Part #	Part #	Part #	Part #	Part #
1/2"	50-D-AL	-----	50-D-BR	-----	50-D-SS
3/4"	75-D-AL	-----	75-D-BR	-----	75-D-SS
1"	100-D-AL	-----	100-D-BR	-----	100-D-SS
1-1/4"	-----	-----	-----	-----	125-D-SS
1-1/2"	150-D-AL	150-C-ALH	150-C-BR	150-C-MI	150-C-SS
2"	200-D-AL	200-C-ALH	200-C-BR	200-C-MI	200-C-SS
2-1/2"	-----	-----	-----	-----	250-C-SS
3"	300-D-AL	300-C-ALH	300-C-BR	300-C-MI	300-C-SS
4"	400-C-AL	400-C-ALH	400-C-BR	400-C-MI	400-C-SS
5"	500-C-AL	-----	500-C-BR	500-C-MI	500-C-SS
6"	600-C-AL	600-C-ALH	600-C-BR	-----	600-C
8" *	800-C-AL	-----	-----	-----	-----



**TYPE D**  
(female coupler x female NPT)

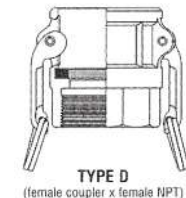
- Features:
- Precision machined to rigid tolerances
  - Stainless pins will not rust or bind, providing great strength and safety
  - Recess holds gasket firmly in place - ensures proper placement
  - Long shank design allows proper banding, thus eliminating the major cause of hose damage.

\* Boss-Lock Cam and Groove couplings DO NOT INTERCHANGE IN THE 8" SIZE.

### Dixon Boss Lock Type D Couplers



Size	Part #	Part #	Part #	Part #
3/4" x 1/2"	AD050	BD050	-----	RD050BL
3/4"	AD075	BD075	ID075	RD075BL
1"	AD100	BD100	ID100	RD100BL
1-1/4"	AD125	BD125	-----	RD125BL
1-1/2"	AD150	BD150	ID150	RD150BL
2"	AD200	BD200	ID200	RD200BL
2-1/2"	AD250	BD250	-----	-----
3"	AD300	BD300	ID300	RD300BL
4"	AD400	BD400	ID400	RD400BL
5'	AD500	----	----	----
6"	AD600	BD600	ID600	-----
8" *	AD800	----	----	----



**TYPE D**  
(female coupler x female NPT)

- Features:
- Buna-N gasket
  - Investment stainless steel cam arms
  - Supplied with safety clips

\* Boss-Lock Cam and Groove couplings DO NOT INTERCHANGE IN THE 8" SIZE.



## Cam and Groove Couplers

### Dixon EZ Boss-Lock Type D Couplers

**Features:**

- Resistant to accidental disconnection when dragged.
- Rotating action helps keep the locking device free of debris.
- Designed to protect critical parts from impact and to withstand rugged use.

Size	Part #	Part #	Part #
3/4" x 1/2"	-----	-----	RD050EZ
3/4"	AD075EZ	BD075EZ	RD075EZ
1"	AD100EZ	BD100EZ	RD100EZ
1-1/4"	-----	BD125EZ	RD125EZ
1-1/2"	AD150EZ	BD150EZ	RD150EZ
2"	AD200EZ	BD200EZ	RD200EZ
2-1/2"	AD250EZ	BD250EZ	-----
3"	AD300EZ	BD300EZ	RD300EZ
4"	AD400EZ	BD400EZ	RD400EZ
5'	AD500EZ	-----	-----
6"	AD600EZ	-----	RD600EZ
8" *	AD800EZ	-----	-----



\* Boss-Lock Cam and Groove couplings DO NOT INTERCHANGE IN THE 8" SIZE.

### DixonEZ Boss-Lock Type D Couplers



Size	Part #	Part #	Part #	Part #	Part #
1/2"	50-B-AL	-----	50-B-BR	-----	50-B-SS
3/4"	75-B-AL	-----	75-B-BR	-----	75-B-SS
1"	100-B-AL	-----	100-B-BR	-----	100-B-SS
1-1/2"	150-B-AL	150-B-ALH	150-B-BR	150-B-MI	150-B-SS
2"	200-B-AL	200-B-ALH	200-B-BR	200-B-MI	200-B-SS
2-1/2"	-----	-----	-----	-----	250-B-SS
3"	300-B-AL	300-B-ALH	300-B-BR	-----	300-B-SS
4"	400-B-AL	400-B-ALH	400-B-BR	300-B-MI	400-B-SS
5"	500-B-AL	-----	-----	400-B-MI	600-B-SS
6"	600-B-AL	600-B-ALH	-----	-----	-----
8" *	800-B-AL	-----	-----	-----	-----

**Features:**

- Precision machined to rigid tolerances
- Stainless pins will not rust or bind, providing great strength and safety
- Recess holds gasket firmly in place - ensures proper placement

\* Boss-Lock Cam and Groove couplings DO NOT INTERCHANGE IN THE 8" SIZE.

## Cam and Groove Couplers

### Dixon Boss-Lock Type B Couplers



Size	Part #	Part #	Part #	Part #
3/4" x 1/2"	AB050	BB050	IB050	RB050BL
3/4"	AB075	BB075	IB075	RB075BL
1"	AB100	BB100	IB100	RB100BL
1-1/4"	AB125	BB125	-----	RB125BL
1-1/2"	AB150	BB150	IB150	RB150BL
2"	AB200	BB200	IB200	RB200BL
2-1/2"	AB250	BB250	-----	-----
3"	AB300	BB300	IB300	RB300BL
4"	AB400	BB400	IB400	RB400BL
5'	----	----	-----	----
6"	AB600	BB600	-----	-----
8" *	AB800	----	----	---

- Features:
- Buna-N gasket
  - Investment stainless steel cam arms
  - Supplied with safety clips

\* Boss-Lock Cam and Groove couplings DO NOT INTERCHANGE IN THE 8" SIZE.

### Dixon Boss-Lock Type B Couplers

- Features:
- Resistant to accidental disconnection when dragged. The release lever opens in the direction opposite to the cam arm, so movements that tend to open the release lever also tend to close the cam arm.
  - Rotating action helps keep the locking device free of debris.
  - Designed to protect critical parts from impact and to withstand rugged use.

Size	Part #	Part #	Part #
3/4" x 1/2"	----	----	RB050EZ
3/4"	----	BB075EZ	RB075EZ
1"	----	BB100EZ	RB100EZ
1-1/4"	AB100EZ	BB125EZ	RB125EZ
1-1/2"	AB150EZ	BB150EZ	RB150EZ
2"	AB200EZ	BB200EZ	RB200EZ
3"	AB300EZ	BB300EZ	RB300EZ
4"	AB400EZ	BB400EZ	RB400EZ
6"	AB600EZ	----	RB600EZ



## Cam and Groove Coupler Accessories

### Cam and Groove Gaskets

Available sizes 1/2" to 8" in Buna N, Viton®-A, Extra thick Buna N, Ethylene Propylene, Neoprene, White Neoprene, White Buna N and Silicone.



### Carbon Steel Clip Assembly

Description	Part #
Pull ring, chain and AC3 cli	BLCA152CS

For use with Boss-Lock Couplings.



### Teflon Gaskets



Envelope Gasket



Encapsulated Gasket



Accordion Gasket

Envelope Gasket available in Teflon® Buna filler, Teflon® Viton®-A filler, Teflon® White Buna filler and Teflon® Ethylene Propylene filler. Encapsulated Gasket available in Teflon® Silicone and Teflon® Viton®. Accordion Gaskets available in Teflon®. Sizes: 1/2" to 6"

### Stainless Steel Pull Rings

Description	Part #
2" 304 stainless steel	R200SS



### Clips and Lanyard for Boss-Lock Couplings

Includes carbon steel clip and nylon lanyard

Size	Part #	Size	Part #	Size	Part #
3/4" & 1"	ACL4	1-1/4" to 4"	ACL2	6"	ACL3



ACL4



ACL2



ACL3

### Stainless Steel Clip and Lanyard for Boss-Lock Couplings

For use with Boss-Lock Cam & Groove Couplings.

Description	Part #
Clip	AC



Description	Part #
Lanyard	LR7



### Jack Chains with S-Hooks



CH-B

Description	Part #	Pkg. Qty
6" Brass	CH-B-6	10
12" Brass	CH-B-12	10
24" Brass	CH-B-24	-----
12" Carbon Steel	CH-C-12	10
6" Stainless Steel	CH-SS-6	10
12" Stainless Steel	CH-SS-12	10
24" Stainless Steel	CH-SS-24	10



CH-C



CH-SS

### Sash Chains with Pull Rings

Description	Part #
4-1/2" Brass	J125
6-1/2" Brass	J150
8-1/2" Brass	J300
12-3/4" Brass	J500



CH-B

### Pull Ring Safety Clips for Boss-Lock

Coupler Size	Carbon Steel Part #	Stainless Steel Part #
3/4" x 1"	-----	100PRSCSS
1-1/4" to 2-1/2"	200PRSCCS	200PRSCSS
3" and 4"	300PRSCCS	300PRSCSS



PRSCCS



PRSCSS

### PVC Coated Lanyards

One end factory crimped, one end uncrimped for field installation.



Description	Part #
15" long PVC coated carbon steel with aluminum crimp sleeves.	CAL15
25" long PVC coated carbon steel with aluminum crimp sleeves.	CAL25



## Couplers / Air Fittings

### Boss Ground Joint Seal

- A leakproof seal is formed when the metal head of the stem makes contact with the patented polymer seat in the spud.
- The non-metallic polymer seat resists most chemicals found in manufacturing facilities.

- Recommended for steam service up to 450°F.
- Easy to seal.
- Works with existing ground joint fittings

#### PLATED STEEL and/or IRON



Coupling with Female Spud GF    Stem GB    Wing Nut B    Female Spud GB    Male Spud GM    Double Spud GD

Hose Shank x NPT	Part #	Part #	Part #	Part #	Part #	Part #
1/4" *	GF1	GBA	BA2	GBC	----	----
3/8" *	GF3	GCA	CB	GCC	GMC	----
1/2"	GF6	GB1	B2	GB3	GM3	GDB3
3/4"	GF26	GB6	B12	GB8	GM8	GDB13
1"	GF36	GB11	B12	GB13	GM13	GDB13
1-1/4"	GF51	GB16	B17	GB18	GM18	GDB23
1-1/2"	GF61	GB21	B17	GB23	GM23	GDB23
2"	GF81**	GB26**	B27	GB28	GM28	GDB28
2-1/2"	GF96	GB31	B32	GB33	GM33	GDB33
3"	GF111	GB36	B37	GB38	GM38	GDB38
4"	GF141	GB46	B47	GB48	----	----
6" *	GF201	GB66	B67	GB68	----	----

### Boss Washer Seal

- A Klinger washer is inserted between the stem and spud.
- A leakproof seal is formed by rotating the wing nut and hammering it tight.

#### PLATED STEEL and/or IRON



Coupling with Female Spud WF    Stem B    Wing Nut B    Female Spud B    Male Spud WM    Double Spud DB    Washer W

Hose Shank x NPT	Part #	Part #	Part #	Part #	Part #	Part #	Part #
3/8"	WF3	SS337	CB	CC	WMC	----	WBC
1/2"	WF6	B1	B2	B3	WM3	DB3	W2
3/4"	WF26	B6	B12	B8	WM8	DB13	W12
1"	WF36	B11	B12	B13	WM13	DB13	W12
1-1/4"	WF51	B16	B17	B18	WM18	DB23	W17
1-1/2"	WF61	B21	B17	B23	WM23	DB23	W17
2"	WF81**	B26**	B27	B28	WM28	DB28	W27
2-1/2"	WF96	B31	B32	B33	----	----	W32
3"	WF111	B36	B37	B38	WM38	DB38	W37
4"	----	B46†	B47	B48†	----	----	W47†

### Boss Spud x Hose

Size	Polymer Seat Part #
1"	GH1311
2"	GH2826





## Clamps

### Boss Clamps

Hose I.D.	Hose O.D. From: To:	Plated Iron Part #	Stainless Steel Part #	Torque 3	Brass Part #
<b>2 Bolt Type</b>					
1/4"	36/64" 42/64"	BD 4	---	6	---
3/8"	44/64" 56/64"	CD 4	---	6	---
1/2"	52/64" 60/64"	DD 4	---	6	---
1/2"	60/64" 1-4/64"	B4 4	RB4	12	BB4
1/2"	1-4/64" 1-12/64"	B5	---	12	---
3/4"	1-10/64" 1-20/64"	BU9 4	RBU9	21	BBU9
3/4"	1-20/64" 1-32/64"	B9	RB9	21	BB9
3/4"	1-32/64" 1-44/64"	B10	---	21	BB10
<b>4 Bolt Type</b>					
1/2"	58/64" 1-2/64"	968	---	6	---
1"	1-26/64" 1-36/64"	156 1	---	21	---
1"	1-34/64" 1-46/64"	BU14	RBU14	21	BBU14
1"	1-44/64" 1-60/64"	B14	RB14	21	BB14
1"	1-60/64" 2-8/64"	B15	---	21	---
1-1/4"	1-32/64" 1-50/64"	BU18	---	40	40
1-1/4"	1-44/64" 1-56/64"	187 1	---	21	21
1-1/4"	1-50/64" 2-6/64"	BU19	---	40	40
1-1/4"	1-56/64" 2-4/64"	206 1	---	21	21
1-1/4"	2-8/64" 2-24/64"	B19	RB19	40	40
1-1/2"	1-52/64" 2"	BU22	---	40	40
1-1/2"	2" 2-14/64"	B22	---	40	---
1-1/2"	2" 2-8/64"	212 1	---	21	---
1-1/2"	2-4/64" 2-16/64"	225 1	---	40	---
1-1/2"	2-12/64" 2-24/64"	BU24	RBU24	40	BBU24 2
1-1/2"	2-24/64" 2-36/64"	B24	RB24	40	---
1-1/2"	2-36/64" 2-48/64"	B25	---	40	---
2"	2-16/64" 2-32/64"	250 1 5	---	40	---
2"	2-22/64" 2-34/64"	BU28	---	60	---
2"	2-32/64" 2-48/64"	275 1 5	---	40	---
2"	2-32/64" 2-50/64"	BU29	RBU29	60	BBU29 2
2"	2-48/64" 3-4/64"	B29	RB29	60	BB29 2
2"	2-48/64" 3-4/64"	306 1 5	---	60	---
2"	3-6/64" 3-28/64"	B30	---	60	---
2-1/2"	3-4/64" 3-32/64"	350 1	---	60	---
2-1/2"	3-6/64" 3-28/64"	BU34	---	60	---
2-1/2"	3-32/64" 3-60/64"	B34	---	150	---
3"	3-32/64" 3-48/64"	375 1	---	60	---
3"	3-32/64" 3-60/64"	BU35	RBU35	150	---
3"	3-48/64" 4"	401 1	---	150	---
3"	3-52/64" 4-4/64"	B35	---	150	---
3"	4" 4-12/64"	418 1	---	200	---
3"	4-4/64" 4-28/64"	B39	---	200	---
3"	4-12/64" 4-32/64"	450 1	---	200	---

#### 2-Bolt Type



B5 Plated Iron      RB4 Stainless steel      BB4 Brass

#### 4-Bolt Type 2 Gripping Fingers



BU14 Plated Iron      RBU14 Stainless steel      BBU14 Brass

#### 4-Bolt Type 4 Gripping Fingers



BU29 Plated Iron      RBU29 Stainless steel      BBU29 Brass

- 1 4 gripping fingers
- 2 Will become obsolete as inventory is depleted.
- 3 Torque applies to plated iron and stainless steel clamps.
- 4 Investment cast carbon steel.
- 5 Not to be used with GF81, GB26, WF81, RGF81, BGF81, BGB26, RWF81, RB26

## Couplers for Boss Clamps

### Boss Male Stems



Steel Bar Stock MS



Brass BMS

Hose x NPT Size	Part #	NPT Size	Part #
1/4" x 1/8"	MS4X2	3/4"	BMS6
1/4" x 1/4"	MSA	1"	BMS11
1/4" x 3/8"	MSB	1-1/4"	BMS16
1/2" x 1/4"	MS8X4	1-1/2"	BMS21
1/2" x 3/8"	MS8X6	2"	BMS26
1/2" x 1/2"	MS1	3"	BMS36
1/2" x 3/4"	MS8X12		
1" x 3/4"	MS6		
1" x 1"	MS12X16		
3/8" x 1/4"	MS6X4		
3/8" x 3/8"	MSC		
3/8" x 1/2"	MS6X8		
3/4" x 1/2"	MS12X8		
3/4" x 3/4"	MS16X12		
3/4" x 1"	MS11		



Iron MS


 316 Stainless Steel  
RMS

Use with Boss Clamps.

### Boss Hose Menders



Collars to engage grip fingers of Boss clamps. 3/4" - 4", plated iron; 1/2" and 6", plated steel.

Size	Part #	Size	Part #
1/2"	M1	2-1/2"	M31
3/4"	M6	3"	M36
1"	M11	4"	M46
1-1/4"	M16	6"	M66
1-1/2"	M21	--	---
2"	M26	--	---

### Boss Male Stems (cont.)

NPT Size	Part #	NPT Size	Part #
---	---	1/2"	RMS1
---	---	3/4"	RMS6
---	---	1"	RMS11
1-1/4"	MS16	1-1/4"	RMS16
1-1/2"	MS21	1-1/2"	RMS21
2"	MS26	2"	RMS26
2-1/2"	MS31	2-1/2"	RMS31
3"	MS36	3"	RLP36 *
4"	MS46	4"	RLP46 *

### LP-Boss Male Stems


**Plated Steel**  
Male NPT End  
LP

**316 Stainless Steel**  
Male NPT End  
RLP

**Plated Carbon Steel**  
Schedule 80\*  
\*Meets NFPA 58  
LP

**Unplated Steel**  
Beveled End  
LPB

Size	Part #	Part #	Part #	Part #
1-1/4"	LP16	---	LP16-80	---
1-1/2"	LP21	---	LP21-80	---
2"	LP26	---	LP26-80	LPB26
2 1/2"	LP31	---	---	---
3"	LP36	RLP36	---	LPB36
4"	LP46	RLP46	---	---
6"	LP66	---	---	---

## Air Fittings / Accessories

### Air King 4 - Lug Quick-Acting Couplings

- Rated to 150 PSI.
  - Boss clamps recommended.
- Warning: Must use safety clips. Not to be used for steam service.  
 Note: Safety clips are same size for both 2-lug and 4-lug Universal Couplings.

Size	Iron Part #	Brass Part #
Hose End		
1-1/4"	AM16	AB16
1-1/2"	AM21	AB21
2"	AM26	AB26
Female N.P.T.		
1-1/4"	AM18	AB18
1-1/2"	AM23	AB23
2"	AM28	AB28



Hose End



Female N.P.T.



Hose End



Female N.P.T.


**Rubber Part #**  
AWR14

### Sand Blast Couplings

- Sand blast couplings are designed for use on sand blast hose.
- Supplied with screws.
  - Nozzle holders have 1-1/4" NPSM thread.
  - Rated to 110 PSI.



BSB Brass



ASB Aluminum



BNH Brass



ANH Aluminum

#### Quick Coupling

Hose Size	Hose O.D.	Brass Part #	Aluminum Part #
3/4"	1-1/2"	BSB75	ASB75
1"	1-7/8"	BSB100	ASB100
1-1/4"	2-5/32"	BSB125	ASB125
1-1/2"	2-3/8"	BSB150	ASB150

#### Nozzle Holders

Hose Size	Hose O.D.	Brass Part #	Aluminum Part #
3/4"	1-1/2"	BNH75	ANH75
1"	1-7/8"	BNH100	ANH100
1-1/4"	2-5/32"	BNH125	ANH125
1-1/2"	2-3/8"	BNH150	ANH150



Replacement Screws

**Part #**  
SBCS


BSC Brass



ASC Aluminum

#### Threaded Coupling

NPT Size	Brass Part #	Aluminum Part #
1-1/4"	BSC125	ASC125
1-1/2"	BSC150	ASC150



SBG Black Nitrile



USBG Urethane

Black Nitrile Part #	Urethane Part #
SBG	USBG

## Air Fittings / Accessories

### Air King Universal Couplings

- Made in the USA.
- Air King is rated to 150 PSI at ambient temperature (70°F).
- Standard Air King fittings come with AWR4 washers.
- Air King available to meet pressure requirements as specified in A-A-59553 commercial item description superseding Mil Spec. WWC-633D.

#### Hose Ends

Size	Iron Part #	Brass Part #	316 Stainless Steel Part #
3/8"	AMH	ABH	RAMH
1/2"	AM1	AB1	RAM1
5/8"	AM5	AB5	---
3/4"	AM6	AB6	RAM6
1"	AM11	AB11	RAM11



Iron AM



Brass AB



Stainless Steel RAM

#### Male NPT Ends

Size	Iron Part #	Brass Part #	316 Stainless Steel Part #
1/4"	AMB1	ABB1	---
3/8"	AMB	ABB	RAMB
1/2"	AM2	AB2	RAM2
3/4"	AM7	AB7	RAM7
1"	AM12	AB12	RAM12



Iron AMB



Brass ABB



Stainless Steel RAM

#### Female NPT Ends

Size	Iron Part #	Brass Part #	316 Stainless Steel Part #
1/4"	AMC1	ABC1	---
3/8"	AMC	ABC	RAMC
1/2"	AM3	AB3	RAM3
3/4"	AM8	AB8	RAM8
1"	AM13	AB13	RAM13



Iron AMC



Brass ABC



Stainless Steel RAM

#### Blank Ends

Iron Part #	Brass Part #	316 Stainless Steel Part #
AM0	AB0	RAM0



Iron AM0



Brass AB0



Stainless Steel RAM0

#### Triple Connections

Iron Part #	Brass Part #
AM10	AB10



Iron AM10



Brass AB10



## Air Fittings / Accessories

### Air King Accessories

The use of an Air King safety clip or wire type retainer is necessary to ensure Air King universal couplings will not become accidentally disconnected. This guarantees the fittings are properly connected as the pin will not go through the holes in the mating flanges until couplings are locked in place. Only one Air King safety clip or wire type retainer is required for each Air King universal coupling.

#### Standard Safety Clip

Wire Diameter	Part #
0.08	AC1



#### Air King Safety Pins

Wire Diameter	Part #
.058	AKSP1
.091	AKSP25



#### Stainless Steel Clip

Wire Diameter	Part #
.072	AC7



#### Lanyards

Part #
ACL8



- Synthetic cord
- Same size for all coupling sizes

Part #
LR7



- Stainless steel cable

#### Washers

- Same size for all coupling sizes.
- Rubber temperature range: -20°F to 160°F.
- Neoprene temperature range: -20°F to 190°F.
- Neoprene is oil resistant



**Black Natural Rubber Part #**

**Neoprene Part #**

AWR4

AWS6

### In-Line Lubricators

Type of Oil to use:

Use any petroleum-base, non-detergent lightweight oil (SAE 10/150SSU) which will readily break up into a mist, i.e., Mobil DTE light or comparable oil. Do not use any synthetic oil or oils containing additives or solvents.



NPT Sizes	Oil Capacity	Maximum Working Pressure	Air Flow at 70 PSI	Part #
1/2"	1.4 fluid ozs.	500 PSI	30 SCFM	PL300
3/4"	3.7 fluid ozs.	200 PSI	70 SCFM	PL400
3/4"	11.0 fluid ozs.	300 PSI	70 SCFM	PL400L
1"	16.0 fluid ozs.	250 PSI	100 SCFM	PL500

### Air / Oil In-Line Filters

Designed specifically for the protection of small air tools, such as impact wrenches, nut runners, grinders and screwdrivers. The all-anodized, lightweight aluminum housing is compact and can be used directly before the air tool.

- Maximum operating pressure: 500 PSI.
- Operating temperatures: 35°F to 200°F.
- Air flow is 140 SCFM.
- Standard element is 40 micron, which ensures minimum pressure drop.
- Elements can be replaced quickly.



Male NPT	Overall Length	Diameter	Weight Lbs.	Aluminum Part #
3/4"	3-13/16"	1-1/2"	0.46	9076M

### Compressor Y



- Converts a single supply source to a dual outlet.

Female NPT Inlet (1)	Male NPT Outlet (2)	Iron Part #
1"	3/4"	Y10075

### Dual Y Valves

- Dual action valve, ideal for compressor applications.
- Female NPT threads
- Non-vented rated to 600 PSI
- Vented rated to 125 CWP (Cold Working Pressure).



Inlet Size	Outlet Size	Description	Part #
1"	3/4" (2x)	non-vented	BBV100DW
1-1/4"	3/4" (2x)	non-vented	BBV125DW
1"	3/4" (2x)	vented	BBV100DWW
1-1/4"	3/4" (2x)	vented	BBV125DWW

## Hose Reels

Dixon

### Spring Driven Hose Reels

#### Reelcraft® 5000 Series

- Maximum temperature is 150°F.
- Reel inlet 3/8" NPTF.
- All steel construction.
- Full shaft and swivel.
- Furnished standard with PVC hose.
- Compressed air hose should not be converted to oxygen service. Compressed air hoses are often contaminated with an oil coating, which can react explosively when oxygen is introduced.



w/Hose



w/o Hose

#### With Hose

Hose I.D.	Hose Length	Service	PSI	Weight	Part #
1/4"	50'	Air / Water	300	26	5450LP
3/8"	35'	Air / Water	300	25	5635LP
3/8"	50'	Air / Water	300	37	5650LP

#### Without Hose

Hose I.D.	Service	PSI	Weight	Part #
50' of 1/4" or 35' of 3/8"	Air / Water	500	21	5600LP
50' of 3/8"	Air / Water	500	31	5605LP

#### Reelcraft® 8000 Series

- Maximum temperature is 150°F with hose.
- Maximum temperature is 210°F without hose.
- Furnished standard with PVC hose.
- Reel inlet 3/4" NPTF.
- Five-in-one heat treated aluminum casting incorporates main shaft, ratchet, spring arbor and inlet/outlet plumbing in one piece casting.
- High pressure cast steel.
- The most compact 3/4" x 50' hose reel of its capacity available.



w/Hose



w/o Hose

#### With Hose

Hose I.D.	Hose Length	Service	PSI	Weight	Part #
1/2"	75'	Air / Water	300	90	82075LP
1/2"	100'	Air / Water	300	99	82100LP
3/4"	50'	Air / Water	250	89	83050LP

#### Without Hose

Hose I.D.	Service	PSI	Weight	Part #
50' of 3/4" or 100' of 1/2"	Air / Water	500	74	83000LP

#### Reelcraft® 7000 Series

- All steel construction.
- "LP" Low Pressure reels: Maximum temperature 150°F. Reel inlet 1/2" NPTF. PVC hose is standard.
- "MP" Medium Pressure reels: Maximum temperature 210°F. Reel inlet 1/2" NPTF. SAE 100 R1T 1-wire braid hose standard.
- "HP" Low Pressure reels: Maximum temperature 210°F. Reel inlet 1/4" NPTF. SAE 100 R2T 2-wire braid hose standard.



w/Hose



w/o Hose

#### With Hose

Hose I.D.	Hose Length	Service	PSI	Weight	Part #
3/8"	70'	Air / Water	300	50	7670LP
1/2"	50'	Air / Water	300	51	7850LP

#### Without Hose

Hose I.D.	Service	PSI	Weight	Part #
70' of 3/8", 50' of 1/2"	Air / Water	500	43	7800LP
50' of 3/8" or 50' of 1/2"	Oil	3000	44	7800MP
50' of 1/4" or 50' of 3/8"	Grease	5000	46	7600HP

## Shank Type Fittings

Dixon

### King Combination Nipples

Size	Unplated Steel Part #	Plated Steel Part #	Brass Part #	Aluminum Part #
1/2"	ST1	STC1	BST1	AST1
3/4"	ST5	STC5	BST5	AST5
1"	ST10	STC10	---	---
1-1/4"	ST15	STC15	---	---
1-1/2"	ST20	STC20	---	---
2"	ST25	STC25	---	--



Size	Unplated Steel Part #	Plated Steel Part #	Brass Part #	Hastelloy Part #
1/2"	---	---	RST1	---
3/4"	---	---	RST5	---
1"	BST10	AST10	RST10	---
1-1/4"	BST15	AST15	RST15	---
1-1/2"	BST20	AST20	RST20	---
2"	BST25	AST25	RST25	HST25



Size	Aluminum Part #	316 Stainless Steel Part #	Hastelloy Part #
2-1/2"	AST30	RST30	---
3"	AST35	RST35	HST35
4"	AST40	RST40	---
5"	AST50	RST50	---
6"	AST60	RST60	---
8"	---	RST80	---



Size	Unplated Steel Part #	Plated Steel Part #	Brass Part #
2-1/2"	ST30	STC30	BST30
3"	ST35	STC35	BST35
4"	ST40	STC40	BST40
5"	ST50	STC50	---
6"	ST60	STC60	---
8"	ST80	STC80	---
10"	ST100	STC100	---
12"	ST120	STC120	---



## Water Hose

### 4450 RUBBER WATER SUCTION HOSE

FOR THE TRANSFER OF WATER, WASHDOWN, JETTING AND IRRIGATION

**TUBE:** ..... EPDM blend, smooth, black  
**REINFORCEMENT:** ..... Synthetic fabric with wire helix  
**COVER:** ..... EPDM blend, weather and ozone resistant, fabric impression  
**COLOR:** ..... Black  
**BRANDING:** ..... Jason Logo 4450 Water S/D; Yellow Mylar Longitudinal Stripe  
**TEMPERATURE RANGE:** ..... -25°F to +185°F  
**FEATURES:** ..... Resistant to water-based ag fertilizers and salt water. Flexible and economical.  
**APPLICATION:** ..... For suction, discharge or gravity flow of water in construction  
 ..... mining, oil exploration, agriculture and equipment rental.  
**STANDARD LENGTHS:** 1-1/4" through 5" 100 foot, 6" 20, 50 and 100 foot, 8", 10", 12" 20 foot



Part Number	I.D.		O.D.		Max. W.P. PSI	Wt. Per Ft.	Vac In. Hg.	Bend Radius (In.)
	In.	mm	In.	mm				
4450-0125-100	1-1/4	32.0	1.70	43.0	150	0.75	28	6
4450-0150-100	1-1/2	38.0	1.96	50.0	150	0.80	28	6.5
4450-0200-100	2	51.0	2.49	63.0	150	1.11	28	8
4450-0250-100	2-1/2	64.0	2.99	76.0	150	1.75	28	10
4450-0300-100	3	76.0	3.50	89.0	150	2.24	28	12
4450-0400-100	4	102.0	4.53	115.0	150	2.79	28	18
4450-0500-100	5	127.0	5.68	144.0	150	3.25	28	26
4450-0600-020	6	152.0	6.54	166.0	150	5.75	28	31
4450-0600-050	6	152.0	6.54	166.0	150	5.75	28	31
4450-0600-100	6	152.0	6.54	166.0	150	5.75	28	31
4450-0800-020	8	203.0	8.79	223.0	100	6.59	28	42
4450-1000-020	10	254.0	10.91	277.0	75	10.25	25	50
4450-1200-020	12	305.0	12.91	328.0	75	13.50	25	60

### 4502 BLUE PVC WATER DISCHARGE HOSE

**COLOR:** ..... Blue  
**BRANDING:** ..... Jason Logo XX ID XX PSI WP  
**TEMPERATURE RANGE:** ..... -14°F to +150°F  
**FEATURES:** ..... Light and easy to handle; rolls flat for storage. Homogeneous construction  
 ..... eliminates tube and cover separation. Reinforced with polyester yarn, both  
 ..... tube and cover are extruded simultaneously to achieve maximum bonding.  
**APPLICATION:** ..... For general purpose water discharge in  
 ..... construction, agriculture and drip irrigation.  
**STANDARD LENGTHS:** ..... 300 foot; 2" and 3" also available in 50 foot lengths



Part Number	I.D.		Wall Thickness Prox.	Max. W.P. PSI	Wt. Per Ft.
	In.	mm			
4502-1500	1-1/2	38.0	.056"	85	0.21
4502-2000	2	51.0	.056"	85	0.25
4502-2000-050	2	51.0	.056"	85	0.25
4502-2500	2-1/2	64.0	.060"	75	0.29
4502-3000	3	76.0	.062"	70	0.39
4502-3000-050	3	76.0	.062"	70	0.39
4502-4000	4	102.0	.062"	70	0.60
4502-6000	6	152.0	.077"	50	1.15
4502-8000	8	203.0	.089"	45	1.20



## Water Hose / Material Handling Hose

### 4705 MUNICIPAL GRADE SJ MILL DISCHARGE HOSE

FOR THE TRANSFER OF WATER, WASHDOWN, JETTING AND IRRIGATION

TUBE: ..... SBR, smooth  
 REINFORCEMENT: ..... N/A  
 COVER: ..... 100% Polyester Single Jacket  
 COLOR: ..... White  
 BRANDING: ..... ID SJ Mill XXX PSI WP (XX Bar)  
 TEMPERATURE RANGE: ..... -25°F to +185°F  
 FEATURES: ..... Heavy-duty synthetic cover for better abrasion resistance and abuse. Higher working pressures.  
 APPLICATION: ..... For water discharge service in rental yards, fleet service, municipal washdown, utility dewatering.  
 STANDARD LENGTHS: ..... 50 foot



Part Number	I.D.		Coupling Bowl	Service PSI	Burst PSI	Wt. Per Ft.	Carton Qty.
	In.	mm-					
4705-0150-050	1-1/2	38.0	1-13/16	230 (16 BAR)	600	0.23	6
4705-0200-050	2	51.0	2-5/16	230 (16 BAR)	600	0.28	4
4705-0250-050	2-1/2	64.0	2-13/16	200 (14 BAR)	550	0.39	3
4705-0300-050	3	76.0	3-3/8	200 (14 BAR)	550	0.50	3
4705-0400-050	4	102.0	4-3/8	200 (14 BAR)	550	0.66	2

### 4312 2-PLY SANDBLAST HOSE

FOR TRANSFER OF BULK MATERIAL, ABRASIVES, CONCRETE AND CEMENT

COLOR: ..... SBR/NR, black, static dissipating  
 REINFORCEMENT: ..... Synthetic fabric  
 COVER: ..... SBR/NR, abrasion and weather resistant, pinpricked  
 COLOR: ..... Black  
 BRANDING: ..... None  
 TEMPERATURE RANGE: ..... -25°F to +185°F  
 FEATURES: ..... Highly abrasion resistant tube to handle any blast grit.  
 APPLICATION: ..... For the conveyance of highly abrasive materials in sandblasting/cleaning and general maintenance in construction, shipyards, power plants and equipment rental.  
 STANDARD LENGTHS: ..... 50 foot



Part Number	I.D.		O.D.		Max W.P. PSI	Wt. Per Ft.
	In.	mm	In.	mm		
4312-0050-050	1/2	12.7	1	25.4	150	0.31
4312-0051-050	1/2	12.7	1-1/16	27.0	150	0.33
4312-0052-050	1/2	12.7	1-1/8	29.0	150	0.38
4312-0075-050	3/4	19.05	1-1/2	38.0	150	0.60

## Air Hose

### 4805 WIRE REINFORCED AIR HOSE

FOR TRANSFER OF AIR, WATER AND MODERATE CHEMICAL SOLUTIONS

TUBE: . . . . . Nitrile blend, smooth, black  
 REINFORCEMENT: . . . . . Steel wire  
 COVER: . . . . . SBR, weather, ozone and abrasion resistant, fabric impression, pin pricked  
 COLOR: . . . . . Yellow  
 BRANDING: . Jason Logo 4805 WIRE AIR 600 PSI WP 40 BAR, Red Mylar Longitudinal Stripe  
 TEMPERATURE RANGE: . . . . . -25°F to +200°F  
 FEATURES: . . . . . Oil mist resistant tube, high working pressure, visible yellow cover  
 APPLICATION: . . . . . For heavy-duty air supply in mining, quarries, construction,  
 . . . . . industrial air placement, sandblasting and heavy-duty equipment rental.  
 STANDARD LENGTHS: . . . . . 1/2" 100 foot, 3/4" through 4" 50 foot and 100 foot



Jason Industrial

Part Number	I.D.		O.D.		Max. W.P. PSI	Wt. Per Ft.	Spiral.	Length Ft.
	In.	mm	In.	mm				
4805-0050-100	1/2	12.70	0.91	23	600	0.36	2	100
4805-0075-050	3/4	19.05	1.22	31	600	0.60	2	50
4805-0075-100	3/4	19.05	1.22	31	600	0.60	2	100
4805-0100-050	1	25.40	1.49	38	600	0.80	2	50
4805-0100-100	1	25.40	1.49	38	600	0.80	2	100
4805-0125-050	1-1/4	31.75	1.81	46	600	1.05	2	50
4805-0125-100	1-1/4	31.75	1.81	46	600	1.05	2	100
4805-0150-050	1-1/2	38.10	2.04	52	600	1.24	2	50
4805-0150-100	1-1/2	38.10	2.04	52	600	1.24	2	100
4805-0200-050	2	50.80	2.60	66	600	1.80	2	50
4805-0200-100	2	50.80	2.60	66	600	1.80	2	100
4805-0250-050	2-1/2	63.50	3.15	80	600	2.40	2	50
4805-0250-100	2-1/2	63.50	3.15	80	600	2.40	2	100
4805-0300-050	3	76.20	3.70	94	600	3.22	4	50
4805-0300-100	3	76.20	3.70	94	600	3.22	4	100
4805-0400-050	4	101.60	4.88	124	600	4.70	4	50
4805-0400-100	4	101.60	4.88	124	600	4.70	4	100

### RED AIR and WATER HOSE

FOR TRANSFER OF AIR, WATER AND MODERATE CHEMICAL SOLUTIONS

TUBE: . . . . . Epdm, black (extruded)  
 REINFORCEMENT: . . . . . Spiral polyester yarn  
 COVER: . . . . . Black or red abrasion- and ozone-resistant Epdm  
 COLOR: . . . . . Red  
 BRANDING: . . . . . Gp Air and Water  
 TEMPERATURE RANGE: . . . . . -25°F to +200°F  
 FEATURES: . . . . . Oil resistance - Limited  
 STANDARD LENGTHS: . . . . . 1/4" - 3/4" I.D. 700 foot, 1" - 1-1/2" I.D. 700 feet on plastic reels



I.D.		O.D.		Max. W.P. PSI	Wt. Per Ft.
In.	mm	In.	mm		
1/4	6.35	9/16	14.28	250	12.5
5/16	7.93	19/32	15.08	200	12.0
		11/16	17.46		
3/8	9.52	27/32	21.43	250	25.5

I.D.		O.D.		Max. W.P. PSI	Wt. Per Ft.
In.	mm	In.	mm		
3/4	19.05	25/32	19.90	250	37.3
1	25.40	1-5/16	33.30	200	51.0
1-1/4	31.75	1-25/32	45.24	150	81.0
1-1/2	38.10		2-1/32	51.59	150

## Hydrant Adapters / Wrenches

### HYDRANT ADAPTERS BRASS

For industrial utility and fire department applications, these adapters allow easy connections from hydrant to smaller size hose. Made of heavy-duty cast brass with satin finish, all female ends are supplied with pin lug wrenching. All threads are V cut.

Female Size	Female Thread	Male Size	Male End Thread	Part No.
1-1/2	NPT	1-1/2	NST	HAB1516
1-1/2	NST	1-1/2	NPT	HAB1615
2	NPT	1-1/2	NST	HAB2016
2-1/2	NST	3/4	GHT	HAB075
2-1/2	NST	3/4	NPSM	HAB076
2-1/2	NST	1	NPSM	HAB100
2-1/2	NST	1-1/2	NPSM	HAB150
2-1/2	NST	1-1/2	NPT	HAB150NPT
2-1/2	NST	1-1/2	NST	HAB150NST
2-1/2	NST	2	NPSM	HAB200
2-1/2	NST	2	NPT	HAB200NPT
2-1/2	NST	2-1/2	NPT	HAB250NPT



Other thread combinations and particular city/municipal hydrant threads are available in brass with minimal factory order.

Special LONG HANDLE, CAST ALUMINUM ADAPTERS for industrial, utility and fire department use are available with requested thread combinations. Long handles eliminate the need for wrenching in cities such as Detroit, Chicago, Philadelphia etc. Special HYDRANT WRENCHES, CAPS and PLUGS are also available with minimal factory order.

### ADJUSTABLE HYDRANT WRENCH

A complete tool for the fire hydrant operation. The pentagonal nut head is adjustable to fit hydrant valves to 1-3/4" for on/off operation. The head also operates pin lug or rocker lug connections from 1-1/2" to 6".

Part No. HYD-1



### SPANNER WRENCH FOR PIN LUG COUPLINGS

Made from ductile iron with easy grip handle, contour head to fit the coupling curve and special round hole to engage the pin lug.

Size: 1-1/2 2 2-1/2 2 x 2-1/2 3 4  
Part No. SW150 SW200 SW250 SW2025 SW300 SW400



## Suction Strainers

### FOOT VALVES FOR WATER SUCTION HOSE

Foot valves are used on the submersed end of the water suction hose to prevent the pump from losing its prime when shut down. The foot valve stops the water from draining by a closing leather flapper gate. Each valve has a built in strainer that prevents debris from entering during operation. All sizes have NPS threads and complete valves are painted red.



Part Number	Size
FV150	1-1/2
FV200	2
FV250	2-1/2
FV300	3
FV400	4
FV600	5
FV800	6

### STRAINERS FOR WATER SUCTION HOSE

Used on the submersed end of suction hose to prevent debris from entering the pump during operation. All threads are NPS (trash strainers are square hole).



Size	Round Hole Part No.	Square Hole Part No.	Bottom Hole Part No.	Polypropylene Part No.
1-1/2	RHS150	SHS150	BHS150	PS150
2	RHS200	SHS200	BHS200	PS200
2-1/2	RHS250	SHS250	--	--
3	RHS300	SHS300	BHS300	--
4	RHS400	SHS400	--	--
6	RHS600	SHS600	--	--
8	RHS800	--	--	--



## Coupler

### CAM AND GROOVE COUPLINGS

Separate parts provide unique quick coupling hose connections for liquids or solids. All parts are manufactured to meet or exceed MIL Spec C27487 and dimensionally conform to MIL Spec A-A-59326A. They will interchange with couplings manufactured to the same standards (excluding 1/2" and 8"). Female couplers are supplied with safety pins. Cam arms on aluminum couplings and brass couplings are brass, stainless steel arms provided on stainless steel couplings, polypropylene and nylon.

#### PART A MALE ADAPTER x FEMALE THREAD

Male end fits Coupler or Dust Cap. Female end thread is NPT.

Size	Part Number	
	Aluminum	Stainless Steel
1/2	-	A050S
3/4	A075A	A075S
1	A100A	A100S
1-1/4	A125A	A125S
1-1/2	A150A	A150S
2	A200A	A200S
2-1/2	A250A	A250S
3	A300A	A300S
4	A400A	A400S
5	A500A	-
6	A600A	A600S
8	A800A	-



#### PART B FEMALE COUPLER x MALE THREAD

Female end fits male adapter or Dust Plug. Male end thread is NPT. Bowl has recess for washer replacement.

Size	Part Number	
	Aluminum	Stainless Steel
1/2	-	B050S
3/4	B075A	B075S
1	B100A	B100S
1-1/4	B125A	B125S
1-1/2	B150A	B150S
2	B200A	B200S
2-1/2	B250A	B250S
3	B300A	B300S
4	B400A	B400S
5	B500A	-
6	B600A	B600S
8	B800A	-



#### PART C FEMALE COUPLER x HOSE SHANK

Female end fits male adapter or Dust Plug. Shank fits into hose ID. Bowl has recess for washer replacement.

Size	Part Number	
	Aluminum	Stainless Steel
1/2	-	C050S
3/4	C075A	C075S
1	C100A	C100S
1-1/4	C125A	C125S
1-1/2	C150A	C150S
2	C200A	C200S
2-1/2	C250A	C250S
3	C300A	C300S
4	C400A	C400S
5	C500A	-
6	C600A	C600S
8	C800A	-



#### PART D FEMALE COUPLER x FEMALE THREAD

Female end fits male adapter or Dust Plug. Female end thread is NPT. Bowl has recess for washer replacement.

Size	Part Number	
	Aluminum	Stainless Steel
1/2	-	D050S
3/4	D075A	D075S
1	D100A	D100S
1-1/4	D125A	D125S
1-1/2	D150A	D150S
2	D200A	D200S
2-1/2	D250A	D250S
3	D300A	D300S
4	D400A	D400S
5	D500A	-
6	D600A	D600S
8	D800A	-



## Couplers / Adapters

### CAM AND GROOVE COUPLINGS

#### PART E MALE ADAPTER x HOSE SHANK

Male end fits female coupler or Dust Plug.  
Shank fits into hose ID.

Size	Part Number	
	Aluminum	Stainless Steel
1/2	-	E050S
3/4	E075A	E075S
1	E100A	E100S
1-1/4	E125A	E125S
1-1/2	E150A	E150S
2	E200A	E200S
2-1/2	E250A	E250S
3	E300A	E300S
4	E400A	E400S
5	E500A	-
6	E600A	E600S
8	E800A	-



#### PART F MALE COUPLER x MALE THREAD

Male end fits female coupler or Dust CAP. Male end thread.  
Male end thread is NPT.

Size	Part Number	
	Aluminum	Stainless Steel
1/2	-	F050S
3/4	F075A	F075S
1	F100A	F100S
1-1/4	F125A	F125S
1-1/2	F150A	F150S
2	F200A	F200S
2-1/2	F250A	F250S
3	F300A	F300S
4	F400A	F400S
5	F500A	-
6	F600A	F600S
8	F800A	-

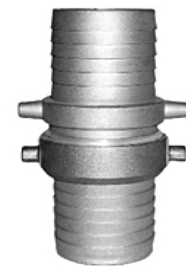


### PIN LUG COUPLINGS

Threaded couplings for suction or discharge of water or other fluids. Standard threading is NPSM; National Pipe Straight Hose. 1-1/2" and 2-1/2" are available with additional NST thread; American National Fire Hose Straight Thread. (NST does not interchange). Pin lugs are on all sizes of female end. 2-1/2" through 6" have pin lugs on male end.

#### SET (M x F) PIN LUG SHANK COUPLINGS

Size	Thread	Aluminum W/Brass Swivel	Brass W/ Brass Swivel
1-1/2	NPSM	AB150	BR150
1-1/2	NST	AB150NST	BR150NST
2	NPSM	AB200	BR200
2-1/2	NPSM	AB250	BR250
2-1/2	NST	AB250NST	BR250NST
3	NPSM	AB300	BR300
4	NPSM	AB400	BR400
6	NPSM	AB600	BR600



#### FEMALE PIN LUG SHANK COUPLINGS

Size	Thread	Aluminum W/Brass Swivel	Brass W/ Brass Swivel
1-1/2	NPSM	AB150F	BR150F
1-1/2	NST	AB150NSTF	BR150NSTF
2	NPSM	AB200F	BR200F
2-1/2	NPSM	AB250F	BR250F
2-1/2	NST	AB250NSTF	BR250NSTF
3	NPSM	AB300F	BR300F
4	NPSM	AB400F	BR400F
6	NPSM	AB600F	BR600F



## Filters

Milton

### 1000-1100 series FILTERS

#### MICRO FILTERS

- All micro filters supplied with preassembled AUTOMATIC OVERNIGHT DRAIN.
- Porous bronze 40 micron filter element allows less pressure drop and longer cleaning intervals.
- Safety metal bowl guards or metal bowls available with 1/4", 3/8", 1/2" models.
- Metal bowls only on 3/4" and 1" models.
- 3 stage baffle system for exceptional moisture removal.
- Sintered bronze elements are permanent and cleanable.
- Lightweight aluminum die-cast housing.
- Element range 10 or 40 microns exactly matching filter and air flow needs.
- Corrosion resistant metal bowls.
- 1022-8 and 1022-10 include sight glass for visual check of condensation collection.

**WARNING:** FOR COMPRESSED AIR SERVICE ONLY. NOT TO BE USED ON LIFE SUPPORT SYSTEMS OR BREATHING AIR SYSTEMS. NEVER USE POLYCARBONATE PLASTIC BOWLS ON AIR SUPPLIED BY A COMPRESSOR LUBRICATOR WITH SYNTHETIC OILS OR OILS CONTAINING PHOSPHATE ESTERS OR CHLORINATE HYDROCARBONS. THEY CAN CARRY OVER INTO THE AIR DISTRIBUTION SYSTEMS AND CHEMICALLY ATTACK AND POSSIBLY RUPTURE THE BOWLS. FOR THESE APPLICATIONS USE A METAL BOWL. MATERIALS SUCH AS TRICHLOROETHYLENE, ACETONE, PAINT THINNER OR CLEANING FLUIDS WILL CRAZE AND/OR RUPTURE A POLYCARBONATE BOWL. WHEN THESE MATERIALS ARE PRESENT EITHER INSIDE OR OUTSIDE THE BOWL, USE METAL BOWLS. FOR A MORE COMPLETE LIST OF KNOWN HARMFUL CHEMICALS CHECK INSTRUCTION SHEET



1018  
1019  
1020



1018-8  
1019-8  
1020-8



1120-8



1022-10

#### POLYCARBONATE BOWLS WITH METAL BOWL GUARDS

Part No.	NPT Size	Bowl Capacity	Max. Pressure	Temperature	Max. SCFM
1018	1/4"	5 oz.	150 PSI	40-120°F	48
1019	3/8"	5 oz.	150 PSI	40-120°F	75
1020	1/2"	5 oz.	150 PSI	40-120°F	100

#### METAL BOWLS HEAVY-DUTY 250 PSI

Part No.	NPT Size	Bowl Capacity	Max. Pressure	Temperature	Max. SCFM
1018-8	1/4"	6 oz.	250 PSI	40-160°F	48
1019-8	3/8"	6 oz.	250 PSI	40-160°F	75
1020-8	1/2"	6 oz.	250 PSI	40-160°F	100
1120-8	1/2"	9 oz.	250 PSI	40-160°F	115
1022-8	3/4"	10 oz.	250 PSI	40-160°F	230
1022-10	3/4"	20 oz.	250 PSI	40-160°F	245
1122-8	1"	29 oz.	250 PSI	40-160°F	300



1022-8



1122-8

## Filters / Regulators

### 1000-1100 series FILTERS, REGULATORS

#### COALESCING FILTERS

An extremely efficient filter designed for applications that require air free of oil and all foreign particles. Effective filtration and low pressure drop make these filters perfect for fluidics, body shop, spray painting, food processing, instrumentation and pharmaceuticals.

- Automatic overnight drain.
- Metal bowl.
- .03 SUB-MICRON = 99.97 efficiency.
- 1037-8 includes sight glass for visual check of condensation collection.

#### HEAVY-DUTY COALESCING FILTER

Part No.	NPT Size	Bowl Capacity	Max. Pressure	Temperature	Max. SCFM
1035	1/4"	6 oz.	250 PSI	40-200°F	24
1036	3/8"	6 oz.	250 PSI	40-200°F	37
1037	1/2"	6 oz.	250 PSI	40-200°F	37
1037-8	3/4"	10 oz.	250 PSI	40-160°F	60

#### MID-SIZE AND HEAVY-DUTY REGULATORS

The Milton heavy-duty and mid-size RELIEVING TYPE regulators offer stable downstream air pressure over a wide range of air flows with accurate control, fast response and minimal pressure drop. Offset 1/4" gage ports can also serve as two 1/4" supply lines, allowing up to three regulated full flow-out ports. Gage not included, but available as an accessory.

- Inlet pressure: 250 PSI.
- Operating temperature: 40°F to 120°F.
- Aluminum die-cast body.
- Buna-N diaphragm and O rings.
- Balanced piston, molded rubber seat.

**WARNING:** REGULATORS SHOULD ALWAYS BE PRECEDED BY A FILTER TO ELIMINATE DAMAGE TO THE UNIT OR INACCURATE AIR FLOW.

#### REGULATORS 5-125 PSI

Part No.	NPT Size	Max. SCFM
1113	1/4"	50
1114	3/8"	80
1115	1/2"	100
1026	3/4" mid-size	220
1027	1" mid-size	250

#### REGULATORS HI-PRESSURE 10-250 PSI

Part No.	NPT Size	Max. SCFM
1113-8	1/4"	50
1114-8	3/8"	80
1115-8	1/2"	100
1026-8	3/4" mid-size	220
1027-8	1" mid-size	250



1113  
1113-8  
1114  
1114-8  
1115  
1115-8



1026  
1026-8  
1027  
1027-8

## Lubricators

### 1000-1100 series LUBRICATORS

#### PRECISION LUBRICATORS

Ideal for the customer who wants trouble-free protection and tamper proof reliability. Drop style allows precise setting and then removal of adjustment knob. Perfect for lubrication of air motors, tools, valves or where low air flow is encountered or where extremely fine adjustments are necessary.

- Sight glass dome on drop type allows observation for instant drip rate adjustment.
- Tamper proof.
- Lubricator may be filled without shutting down line pressure.
- Oil supply tube check valve guarantees INSTANT START-UP LUBRICATION.
- Low pressure drop at full air flow.
- Oil delivered at an air flow as low as 2 SCFM.
- Safety bowl guards or metal bowls.
- All lubricators are drop type except the 1" which is a wick type

WARNING: POLYCARBONATE BOWLS CAN BE CHEMICALLY ATTACKED AND RUPTURE. CHECK INSTRUCTION SHEET WITH EACH LUBRICATOR FOR LIST OF KNOWN HARMFUL CHEMICALS.



1028  
1029  
1030



1028-8  
1029-8  
1030-8  
1031-8



1131-9



1131-10



1132-8

#### POLYCARBONATE BOWLS WITH METAL BOWL GUARDS

Part No.	NPT Size	Bowl Capacity	Max. Pressure	Temperature	Max. SCFM
1028	1/4"	5 oz.	150 PSI	40-125°F	16
1029	3/8"	5 oz.	150 PSI	40-125°F	82
1030	1/2"	5 oz.	150 PSI	40-125°F	142

#### METAL BOWLS WITH SIGHT GLASS HEAVY-DUTY

Part No.	NPT Size	Bowl Capacity	Max. Pressure	Temperature	Max. SCFM
1028-8	1/4"	6 oz.	200 PSI	40-160°F	16
1029-8	3/8"	6 oz.	200 PSI	40-160°F	82
1030-8	1/2"	6 oz.	200 PSI	40-160°F	142
1031-8	1/2"	9 oz.	200 PSI	40-160°F	142
1131-9	3/4"	10 oz.	250 PSI	40-160°F	142
1131-10	3/4"	20 oz.	250 PSI	40-160°F	142
1132-8	1"	29 oz.	250 PSI	40-160°F	175



## Blo-Guns

### 100 series BLO-GUNS

Milton "safety" blo-guns in this section meet OSHA requirements of special relief holes in nozzle which limits pressure to 30 PSI when dead ended (static pressure). For use on regulated compressed air lines maximum PSI 150. Always use personal protective equipment such as safety goggles and ear protection.

#### SAFETY BUTTON BLO-GUN

Compact hand held unit can be used anywhere with compressed air. Streamlined comfort fit and full volume control. Many uses such as cleaning fuel and oil lines, or air cleaners, drying out wet ignition systems and spark plugs or blowing out dirt, filings and metal chips.

#### 107 SAFETY BUTTON BLO-GUN

S 107

- Maximum working pressure: 150 PSI.
- Maximum nozzle pressure: 30 PSI when dead ended.
- SCFM 11.4 @ 100 PSI.
- 1/4" NPT air inlet, nozzle thread 5/16"-24.
- Zinc die cast body.
- OSHA compliant.

107



#### SAFETY LEVER BLO-GUN

Use anywhere with compressed air. Full flow control. Extra large hang-up hook for easy storage.

#### 120 SAFETY BUTTON BLO-GUN

S 120

- Maximum inlet pressure: 150 PSI.
- Maximum nozzle pressure: 30 PSI when dead ended.
- SCFM 10.6 @ 100 PSI.
- 1/4" NPT air inlet, nozzle thread 1/8"-27.
- Zinc die cast body, steel plated handle.
- OSHA compliant.

120



#### FULL-FLOW SAFETY LEVER BLO-GUN

#### 150 FULL-FLOW SAFETY LEVER BLO-GUN

S 150

- Maximum working pressure: 150 PSI.
- SCFM 10.0 @ 100 PSI.
- 1/4" NPT air inlet, nozzle thread 7/16"-27.
- Body outlet thread size 1/2"-27.
- OSHA compliant.

150



## Inflator Gages

Milton

### 500 series INFLATOR GAGES

#### WINDOW INFLATOR GAGES

Heavy-duty construction provides long service life even with constant use. Gage cartridge and valve cartridge replaceable. All window inflator gages equipped with magnifying lens for full view of scale.

**501** For high pressure truck tires. 10 lbs. to 160 lbs., in 2 lb. increments. Gage complete with 5' hose with a dual head straight foot chuck for inner duals with lock on threads both ends (Full swivel). Built in deflator to relieve excess pressure. Meets OSHA regulation No. 1910.177 on inflation. All gages listed below are 10 lbs. to 120 lbs., in 2 lb. increments. All gages listed below are available as metric gages: Readings in kPa increments.

**502** GAGE COMPLETE, KWIK GRIP SAFETY AIR CHUCK WITH 3' HOSE.

**503** GAGE COMPLETE, CHUCK CLIP WITH SINGLE HEAD CHUCK (Full swivel), 3' HOSE.

**504** GAGE COMPLETE, STRAIGHT HEAD CHUCK, 15" HOSE.

**505**  
**S 505** GAGE COMPLETE, SINGLE HEAD CHUCK (Full swivel), 15" HOSE.

**506**  
**S 506** GAGE COMPLETE, DUAL HEAD CHUCK (Full swivel), 15" HOSE.

**516**  
**S 516** GAGE COMPLETE, DUAL HEAD STRAIGHT FOOT CHUCK WITH LOCK ON THREADS BOTH ENDS FOR INNER DUAL (Full swivel), 15" HOSE.



501



502



503



S 506

#### REPLACEMENT PARTS

**507** REPLACEMENT GAGE CARTRIDGE. New factory set cartridge easily replaced "on the spot."

**507-2** REPLACEMENT GAGE CARTRIDGE FOR #501.

**508** HOSE WHIP ASSEMBLY COMPLETE, replaces whip on #505. (15" hose 3/8-24 thread)

**509** HOSE WHIP ASSEMBLY COMPLETE, replaces whip on #506. (15" hose 3/8-24 thread)

**510** HOSE WHIP ASSEMBLY COMPLETE, replaces whip on #504. (15" hose 3/8-24 thread)

**511** HOSE WHIP ASSEMBLY COMPLETE, replaces whip on #503. (36" hose 3/8-24 thread)

**512** REPLACEMENT VALVE CARTRIDGE

**513** HOSE WHIP ASSEMBLY COMPLETE, replaces whip on #502. (36" hose 3/8-24 thread)

**514** HOSE WHIP ASSEMBLY COMPLETE, replaces whip on #501. (5' hose 3/8-24 thread)

HOSE WHIP ASSEMBLY COMPLETE, replaces whip on #516. (15" hose 3/8-24 thread)



S 516



S 505

## Air Couplers

Milton

### 700-1700-1800 series AIR COUPLERS & PLUGS

**M-STYLE INDUSTRIAL INTERCHANGE SERIES 1/4" BASIC SIZE**  
 Milton M-style "Kwik-change" couplers and plugs will interchange with all manufacturers who comply with the dimensional requirements of military specification MIL-C-4109.

- M-style coupler bodies are brass with brass sleeves.
- M-style plugs are case hardened steel, plated to resist rust.
- Maximum inlet pressure: 300 PSI.
- Maximum temperature: 250°F.
- Air flow: 40 SCFM.
- Seals: Buna-N.

WARNING: COUPLERS IN THIS SECTION ARE FOR USE WITH SHOP AIR ONLY.

M-STYLE 1/4" COMBINATION COUPLER/PLUG & COUPLER KITS

Part No.	Contents
711 / S 711	One #715 and one #727
S 211	One #715, one #728 and three #727
S212	One #715, three #728 and three #727

M-STYLE COUPLERS

Part No.	Connection	Description
715 / S 715	1/4" NPT female	
716 / S 716	1/4" NPT male	
718 / S 718	3/8" NPT female	
719 / S 719	3/8" NPT male	
755 / S 755	1/4" NPT female	Push type steel sleeve drag guard
756	1/4" NPT male	Push type steel sleeve drag guard
713	1/4" NPT female	Case hardened steel drag guard
714	1/4" NPT male	Case hardened steel drag guard
717	1/4" hose barb	Case hardened steel drag guard
717-6	3/8" hose barb	Case hardened steel drag guard
1717-4	1/4" push on and lock hose barb	Case hardened steel drag guard
1717-6	3/8" push on and lock hose barb	Case hardened steel drag guard

M-STYLE PLUGS

Part No.	Connection Note
726	1/8" NPT male
729	1/8" NPT female
727 / S 727	1/4" NPT male 2/cd
728 / S 728	1/4" NPT female 2/cd
731	.305-32 female re-cap
732 / S 732	3/8" NPT female 2/cd
733 / S 733	3/8" NPT male 2/cd
736	1/4" hose barb
736-6	3/8" hose barb
1736-4	1/4" push on and lock hose barb
1736-6	3/8" push on and lock hose barb

Replacement parts M-style:

- 701 M-STYLE COUPLER REPAIR KIT
- 768 M-STYLE SYNTHETIC WASHER



711



715  
718



716  
719



755



756



713



1717-4  
1717-6



714



717  
717-6



726  
727  
733



728  
729  
731  
732



736  
736-6



1736-4  
1736-6

## Air Couplers

Milton

### 700-1700-1800 series AIR COUPLERS & PLUGS

#### H-STYLE INDUSTRIAL INTERCHANGE SERIES 3/8" BASIC SIZE

- H-style coupler bodies are heavy-duty steel.
- H-style plugs are case hardened steel. Plated to resist rust.
- Maximum inlet pressure: 300 PSI.
- Maximum temperature: 250°F.
- Air flow: 67 SCFM.
- Seals: Buna-N.

**WARNING: COUPLERS IN THIS SECTION ARE FOR USE WITH SHOP AIR ONLY.**

#### H-STYLE COUPLERS

Part No.	Connection
1833 / S 1833	1/4" NPT female
1834	1/4" NPT male
1835 / S 1835	3/8" NPT female
1836 / S 1836	3/8" NPT male
1836-6	3/8" hose barb
1796-6	3/8" push on and lock hose barb

#### H-STYLE PLUGS

Part No.	Connection	Note
1839 / S 1839	1/4" NPT male	2/cd
1840 / S 1840	1/4" NPT female	2/cd
1837 / S 1837	3/8" NPT male	2/cd
1838 / S 1838	3/8" NPT female	2/cd
1837-6	3/8" hose barb	
1797-6	3/8" push on and lock hose barb	

Replacement parts H-style:  
1831 H-STYLE COUPLER REPAIR KIT

#### G-STYLE INDUSTRIAL INTERCHANGE SERIES 1/2" BASIC SIZE

- G-style coupler bodies are heavy-duty steel.
- G-style plugs are case hardened steel. Plated to resist rust.
- Maximum inlet pressure: 300 PSI.
- Maximum temperature: 250°F.
- Air flow: 99 SCFM.
- Seals: Buna-N.

**WARNING: COUPLERS IN THIS SECTION ARE FOR USE WITH SHOP AIR ONLY.**

#### G-STYLE COUPLERS

Part No.	Connection
1813	3/8" NPT female
1814	3/8" NPT male
1815 / S 1815	1/2" NPT female
1816 / S 1816	1/2" NPT male

#### G-STYLE PLUGS

Part No.	Connection
1855	1/4" NPT male
1859	3/8" NPT male
1860	3/8" NPT female
1857	1/2" NPT male
1858	1/2" NPT female

Replacement parts G-style:  
1811 G-STYLE COUPLER REPAIR KIT



1833  
1835



1834  
1836



1837-6



1838  
1840



1837  
1839



1836-6



1796-6



1797-6



1813  
1815



1814  
1816



1855  
1857  
1859



1858  
1860

## Air Couplers

Milton

### 700-1700-1800 series AIR COUPLERS & PLUGS

- A-STYLE ARO "210" STYLE SERIES 1/4" BASIC SIZE
- A-style couplers are push type.
  - A-style coupler bodies are heavy-duty steel.
  - A-style plugs are case hardened steel. Plated to resist rust.
  - Maximum inlet pressure: 300 PSI.
  - Maximum temperature: 250°F.
  - Air flow: 35 SCFM.
  - Seals: Buna-N.

**WARNING: COUPLERS IN THIS SECTION ARE FOR USE WITH SHOP AIR ONLY.**

#### A-STYLE COUPLERS

Part No.	Connection
775 / S 775	1/4" NPT female
776 / S 776	1/4" NPT male
776-4	1/4" hose barb
776-6	3/8" hose barb
1776-4	1/4" push on and lock hose barb
1776-6	3/8" push on and lock hose barb

#### A-STYLE 1/4" COUPLER/PLUG KITS

Part No.	Contents
S 772	One #775 and one #777
S 213	One #775 one #778 and three #777

#### A-STYLE PLUGS

Part No.	Connection Note
777 / S 777	1/4" NPT male 2/cd
778 / S 778	1/4" NPT female 2/cd
777-4	1/4" hose barb
777-6	3/8" hose barb
1797-6	1/4" push on and lock hose barb
1777-6	3/8" push on and lock hose barb

#### AA-STYLE ARO "310" STYLE INTERCHANGE SERIES 3/8" BASIC SIZE

- AA-style couplers are push type.
- AA-style coupler bodies are heavy-duty steel.
- AA-style plugs are case hardened steel. Plated to resist rust.
- Maximum inlet pressure: 300 PSI.
- Maximum temperature: 250°F.
- Air flow: 59 SCFM.
- Seals: Buna-N.

**WARNING: COUPLERS IN THIS SECTION ARE FOR USE WITH SHOP AIR ONLY.**

#### AA-STYLE COUPLERS

Part No.	Connection
1875	3/8" NPT female

#### A-STYLE PLUGS

Part No.	Connection
1877	3/8" NPT male
1878	3/8" NPT female



775



776



776-4  
776-6



777



778



777-4  
777-6



S 772



1776-4  
1776-6



1875



1877



1878



## Tube Adaptors

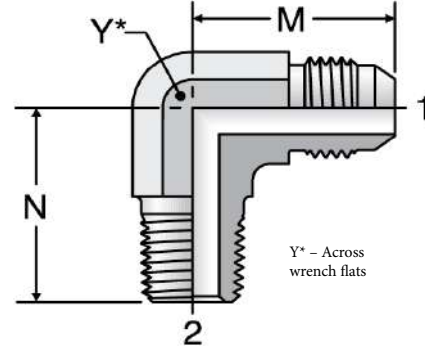
### CTX

Male Elbow

37° Flare / NPTF

SAE 070202  
HPD Base #2103

Tube Fitting Part #	End Size		M (in)	N (in)	Y (in)	Standard Dynamic Pressure ( x 1,00 psi)		
	1 (in)	2 NPTF				-S	-SS	-B
2 CTX	1/8	1/8 - 27	0.77	0.72	5/16	6	6	3.3
3 CTX	3/16	1/8 - 27	0.83	0.72	3/8	6	6	3.3
4 CTX	1/4	1/8 - 27	0.89	0.78	7/16	6	6	3.3
4-4 CTX	1/4	1/4 - 18	1.05	1.09	9/16	6	6	3.3
4-6 CTX	1/4	3/8 - 18	1.13	1.22	3/4	6	6	
4-8 CTX	1/4	1/2 - 14	1.23	1.44	7/8	6	6	
5 CTX	5/16	1/8 - 27	0.95	0.78	9/16	6	6	3.3
5-4 CTX	5/16	1/4 - 18	1.05	1.09	9/16	6	6	3.3
5-6 CTX	5/16	3/8 - 18	1.13	1.22	3/4	6	6	
6 CTX	3/8	1/4 - 18	1.06	1.09	9/16	6	6	3.3
6-2 CTX	3/8	1/8 - 27	1.06	0.9	9/16	6	6	3.3
6-6 CTX	3/8	3/8 - 18	1.14	1.22	3/4	6.0	6	3.3
6-8 CTX	3/8	1/2 - 14	1.22	1.47	7/8	6.0	6	3.3
6-12 CTX	3/8	3/4 - 14	1.31	1.59	1 1/16	4	4	
8 CTX	1/2	3/8 - 18	1.25	1.22	3/4	6	6	3.3
8-4 CTX	1/2	1/4 - 18	1.25	1.22	3/4	6	6	3.3
8-8 CTX	1/2	1/2 - 14	1.33	1.47	7/8	6	6	3.3
8-12 CTX	1/2	3/4 - 14	1.42	1.59	1 1/16	4	4	2.6
8-16 CTX	1/2	1 - 1 1/2	1.52	1.97	1 5/16	3	3	
10 CTX	5/8	1/2 - 14	1.45	1.47	7/8	5	5	3.3
10-6 CTX	5/8	3/8 - 18	1.45	1.28	7/8	5	5	3.3
10-12 CTX	5/8	3/4 - 14	1.53	1.59	1 1/16	4	4	
10-16 CTX	5/8	1 - 1 1/2	1.64	1.97	1 5/16	3		
12 CTX	3/4	3/4 - 14	1.66	1.59	1 1/16	4	4	2.6
12-6 CTX	3/4	3/8 - 18	1.66	1.41	1 1/16	5	5	2.9
12-8 CTX	3/4	1/2 - 14	1.66	1.59	1 1/16	5	5	2.9
12-16 CTX	3/4	1 - 1 1/2	1.76	1.97	1 5/16	3	3	
14 CTX	7/8	3/4 - 14	1.8	1.69	1 5/16	4	2.3	
16 CTX	1	1 - 1 1/2	1.81	1.97	1 5/16	3	3	2
16-8 CTX	1	1/2 - 14	1.81	1.66	1 5/16	4	4	2.3
16-12 CTX	1	3/4 - 14	1.81	1.78	1 5/16	4	4	2.3
16-20 CTX	1	1 1/4 - 11	1/2	2.13	2.38	1 5/8	2.5	2.5
20 CTX	1 1/4	1 1/4 - 11 1/2	2.06	2.38	1 5/8	2.5	2.5	1.6
20-16 CTX	1 1/4	1 - 1 1/2	2.06	2.06	1 5/8	3	3	
20-24 CTX	1 1/4	1 1/2 - 1 1/2	2.2	2.64	1 7/8	2.5		
24 CTX	1 1/2	1 1/2 - 1 1/2	2.33	2.64	1 7/8	2.5	2.5	
24-20 CTX	1 1/2	1 1/4 - 1 1/2	2.33	2.25	1 7/8	2.5	2.5	
24-32 CTX	1 1/2	2 - 1 1/2	2.81	3	2 1/2	2		
32 CTX	2	2 - 1 1/2	3.06	3	2 1/2	2	2	
32-24 CTX	2	1 1/2 - 1 1/2	3.06	2.97	2 1/2	2		
40 CTX	2 1/2	2 1/2 - 8	2.86	3.57	3 1/4			



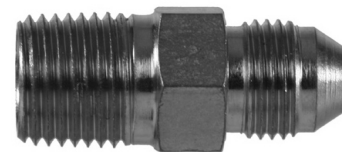
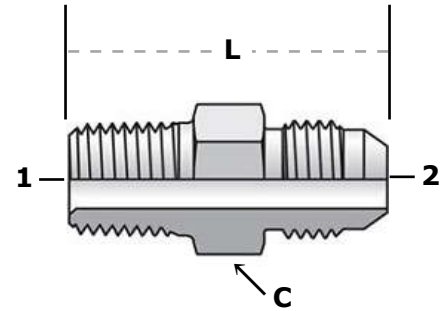
## Tube Adaptors

**FTX**

 Male Connector  
 37° Flare / NPTF

 SAE 070102  
 HPD Base #0103

Tube Fitting Part #	End Size		C Hex (in)	L (in)	Standard Dynamic Pressure (x 1,000 psi)		
	1 (in)	2 NPTF			-S	-SS	-B
2 FTX	1/8	1/8 - 27	7/16	1.11	6	6	3.3
3 FTX	3/16	1/8 - 27	7/16	1.14	6	6	3.3
4 FTX	1/4	1/8 - 27	1/2	1.22	6	6	3.3
4-4 FTX	1/4	1/4 - 18	9/16	1.42	6	6	3.3
4-6 FTX	1/4	3/8 - 18	3/4	1.44	6	6	
4-8 FTX	1/4	1/2 - 14	7/8	1.69	6	6	3.3
5 FTX	5/16	1/8 - 27	9/16	1.22	6	6	3.3
5-4 FTX	5/16	1/4 - 18	9/16	1.42	6	6	3.3
5-6 FTX	5/16	3/8 - 18	3/4	1.44	6	6	
6 FTX	3/8	1/4 - 18	5/8	1.43	6	6	3.3
6-2 FTX	3/8	1/8 - 27	5/8	1.24	6	6	3.3
6-6 FTX	3/8	3/8 - 18	3/4	1.44	6	6	3.3
6-8 FTX	3/8	1/2 - 14	7/8	1.69	6	6	3.3
6-12 FTX	3/8	3/4 - 14	1 1/8	1.75	5.5	5.5	
8 FTX	1/2	3/8 - 18	13/16	1.53	6	6	3.3
8-2 FTX	1/2	1/8 - 27	1 3/16	1.34	6	6	
8-4 FTX	1/2	1/4 - 18	13/16	1.53	6	6	3.3
8-8 FTX	1/2	1/2 - 14	7/8	1.78	6	6	3.3
8-12 FTX	1/2	3/4 - 14	1 1/8	1.85	5.5	5.5	2.6
8-16 FTX	1/2	1 - 11 1/2	1 3/8	2.05	4.5	4.5	
10 FTX	5/8	1/2 - 14	15/16	1.89	5	5	3.3
10-6 FTX	5/8	3/8 - 18	15/16	1.7	5	5	3.3
10-12 FTX	5/8	3/4 - 14	1 1/8	1.95	5	5	
12 FTX	3/4	3/4 - 14	1 1/8	2.06	5	5	2.6
12-6 FTX	3/4	3/8 - 18	1 1/8	1.88	5	5	
12-8 FTX	3/4	1/2 - 14	1 1/8	2.06	5	5	2.9
12-16 FTX	3/4	1 - 11 1/2	1 3/8	2.25	5	5	
12-20 FTX	3/4	1 1/4 - 11 1/2	1 11/16	2.36	5		
14 FTX	7/8	3/4 - 14	1 1/4	2.09	5	5	
16 FTX	1	1 - 11 1/2	1 3/8	2.3	4.5	4.5	2
16-8 FTX	1 1/2 - 14	1 3/8	2.11	4.5	4.5		
16-12 FTX	1	3/4 - 14	1 3/8	2.11	4.5	4.5	2.3
16-20 FTX	1	1 1/4 - 11 1/2	1 11/16	2.41	3	3	
16-24 FTX	1	1 1/2 - 11 1/2	2	2.5	3	3	
20 FTX	1 1/4	1 1/4 - 11 1/2	1 11/16	2.45	3	3	1.6
20-16 FTX	1 1/4	1 - 11 1/2	1 11/16	2.42	3	2	
20-24 FTX	1 1/4	1 1/2 - 11 1/2	2	2.55	3	3	
24 FTX	1 1/2	1 1/2 - 11 1/2	2	2.67	3	3	1.3
24-16 FTX	1 1/2	1 - 11 1/2	2	2.62	3	3	
24-20 FTX	1 1/2	1 1/4 - 11 1/2	2	2.66	3		
24-32 FTX	1 1/2	2 - 11 1/2	2 5/8	2.86	2		
32 FTX	2	2 - 11 1/2	2 5/8	3.11	2	2	
32-24 FTX	2	1 1/2 - 11 1/2	2 5/8	3.08	2	2	
40 FTX	2 1/2	2 1/2 - 8	3 1/4	3.38	1		



## Hydraulic Hoses

### 302 Hydraulic Hose

Use with Parkrimp 43 Series fittings and field-attachable 30 Series.  
ISO 1436-1 TYPE 2SN / SAE 100R2 TYPE AT / EN 853 TYPE 2SN

**We Can Make  
Hydraulic Hose  
Assemblies  
While You Wait!**



Construction  
Tube: Nitrile  
Reinforcement: Two braids steel wire  
Cover: Synthetic rubber

Part #	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight	
	(in)	(mm)	(in)	(mm)	(psi)	(MPa)	(in)	(mm)	(lbs./ft)	(kg/m)
302-4	1/4	6.3	0.59	15.0	5800	40	4	100	0.26	0.39
302-5	5/16	8	0.65	16.6	5000	35.0	4 1/2	115	0.28	0.42
302-6	3/8	10	0.75	19.0	4750	33	5	130	0.37	0.55
302-8	1/2	12.5	0.88	22.3	4000	28	7	180	0.45	0.67
302-10	5/8	16	1.00	25.5	3600	25	8	200	0.52	0.77
302-12	3/4	19	1.16	29.4	3100	21.5	9 1/2	240	0.67	1.00
302-16	1	25	1.50	38.1	2400	16.5	12	300	1.00	1.49
302-20	1 1/4	31.5	1.86	47.1	180	12.5	16 1/2	420	1.16	1.73
302-24	1 1/2	38	2.14	54.5	1300	9	20	500	1.44	2.14
302-32	2	51	2.64	67.2	1150	8	25	630	1.99	2.96

Application and Temperature Range  
Petroleum base hydraulic fluids and lubricating oils within a temperature range of  
-40°F to +212°F (-40°C to +100°C)



## Tuthill Pumps

### Rotary Hand Pump

Model FR112

Is a rotary hand pump with a max flow rate of 10 GPM/100 revolutions; is especially effective with medium viscosity liquids, as well as oils, gasoline and diesel fuels.

**Features:**

- Lightweight cast aluminum body • Built-in check valve and strainer
- Easy mount 2" tank adapter • Corrosion-Proof adjustable suction pipe
- Anti-siphoning device • Pump may be pad locked • UL Listed



### Piston Pump

Model FR152

A hand piston pump with a max flow rate of 20 GPM/100 strokes; is especially effective with medium viscosity liquids, as well as oils, gasoline and diesel fuels.

**Features:**

- Vacuum breaker • 8' Hose & nozzle • Bung Adapter • Telescoping suction pipe
- Lightweight cast aluminum body
- Compact, high flow, dualaction design delivers up to 20 GPM per 100 strokes
- Pump flow can be reversed by rotating piston 180° • UL listed



### AC Powered Pump

Model FR1210C

These rugged, positive displacement, economy pumps are UL/cUL listed and deliver flow rates up to 20 GPM (76 LPM.)

**Features:**

- Explosion-proof UL/cUL listed 1/3 HP motor with sealed bearings
- Heavy-duty switch, thermal overload protection and junction box
- Carbon vanes and ceramic/carbon seal
- Integral check valve with pressure relief
- Easy removable strainer • Automatic bypass valve • UL/cUL Listed • Rain proof



\* Model FR4210D also available

## DC Rotary Vane Pump Series

Model FR701V

This industry standard DC pump has a draw that's easy on the DC power source.

**Features:**

- Explosion-proof UL/cUL listed 1/3 HP motor with sealed bearings
- Heavy-duty switch, thermal overload protection and junction box
- Iron rotor
- Heavy-duty battery cable
- Built in strainer
- 12' hose with static ground wire
- Manual nozzle with nozzle boot
- Corrosion-proof adjustable section pipe
- Machine carbon vanes
- Pump may be padlocked
- Rain proof



\* Model FR700V also available

Tuthill

## Tuthill Hoses

### FillRite Hoses

Model FRH07520

Dispense Diesel Fuel, Gasoline, Grease Kerosene and Petroleum Oils. The Fill-Rite hose is a blend of Nitrile and PVC external materials - provides rugged protection against cuts, abrasions, snags and is puncture resistant.

**Features:**

- 50 Pounds Per Square Inch
- For All Hand Pump Products With 3/4" Outlets
- High Quality Nitrile Inner Tube
- Designed for use with all hand pumps
- Dispense diesel fuel, gasoline, grease, kerosene and petroleum oils
- 3/4" NPT Fittings



Model #	Dimensions
H058G9054*	5/8 x 8'
FRH07512	3/4 x 12'
FRH07520	3/4 x 20'

\* Hose Extension

## Tuthill Filters

### FillRite Filters

Model 1200KTF7018

Keep your engines running their best by using Pump Filters from Fill-Rite. Particulate Filters are suited to handle contamination problems caused by dirt, silt and corrosion.

**Features:**

- May be used with alcohol and alcohol fuel blends
- Pre-filtering keeps your fuel cleaner
- Helps your engines operate more efficiently





## Sprayers

### MULTIPURPOSE

Sprayers Built to Last for All-around Use.

- In-tank anti-clog filter, for worry free spraying (2279).
- TRI-POXY® coated steel for maximum chemical resistance (1831).
- Wide mouth for no-mess filling and cleaning.
- Brass spray handle with "Lock-on" for fatigue-free continuous spraying.
- Brass fan tip nozzle for multi-purpose applications.

Sprayer Model Number: 2279

Description: Industrial Poly Viton Heavy-Duty - 3 gal.

Sprayer Model Number: 1831

Description: Industrial Open Head General Duty - 3 gal.



### PREMIER TRI-POXY®

- Spray handle and wand.
- Adjustable brass nozzle.
- Viton™ seals and gaskets.
- Funnel top on metal units.
- 1, 3 gal. Tri-Poxy® metal.

Sprayer Model Number: 1380

Description: Premier Steel Sprayer - 3 gal.

Sprayer Model Number: 1180

Description: Premier Steel Sprayer - 1 gal.

### CONCRETE SPRAYERS

Sprays up to 30- 35% Solids

- Exclusive TRI-POXY® lined steel for triple protection against corrosion, rust and damage from denting.
- Wide mouth for easy filling and cleaning.
- Exclusive: Poly Holster keeps wand secure and tips.
- Metal Ergo Handle.
- Brass fan spray nozzle for even coverage .
- Brass spray handle with "Lock-on" and quick release design. Threaded coupling for easy removal.
- VITON™ o-rings and gaskets for maximum resistance to chemical attack.
- Hose reinforced with nylon braid and vinyl core to resist chemical attack, crimping, cracking and leaking.

Sprayer Model Number: 1949

Description: Industrial Viton Concrete Open Head - 3.5 gal.



Model#	UPC # 0-23883	Capacity	Wand	Metal/ Poly	Hose	Carton Dimensions (in.)	Wgt. lb.	Pallet Size	Pallet Cube
1949	01949-5	3.5 gal.	24" curved	M	36"	8.4 x 8.4 x 26.8	10.9	43 x 43	49.9
2279	02279-2	3 gal.	18"	P	36"	8.4 x 8.4 x 25.8	6.7	43 x 43	40.7
1831	01831-3	3 gal.	18"	M	42"	8.4 x 8.4 x 24.6	9.7	43 x 43	48.7
1380	01380-6	3 gal.	18"	M	42"	8.4 x 8.4 x 23.6	8.0	43 x 43	46.6
1180	01180-2	1 gal.	12"	M	42"	8.4 x 8.4 x 13.9	6.0	43 x 43	48.6

## Industrial Sprayers

### Better Quality Constructo® Sprayers for everyday jobs are an outstanding value.

Choose Endurall® epoxy-coated galvanized steel tank with quality brass pump or heavyduty poly tank with poly pump. Both feature steel "D" pump handle, Viton® gaskets and seals, power sprayer-type hose, brass Roto Valve™ control and long, heavy-duty brass spray wand. Sprayers equipped with adjustable brass fan-pattern nozzle. Can also be used with optional TeeJet® nozzles. Designed and built for frequent, professional use and a wide variety of applications.

Model	Pack	US Gal.	Litre	UPC-A
91063	1	2.5	10	690247910639
91064	1	3.5	13	690247910646
90182	1	2	8	690247901828
90183	1	3	12	690247901835

90183



90184



91063



91064



91004CCV



### Spray Thick™ Curing Compound Sprayer sprays the thicker, solvent-based cures and sealers.

For dependability and performance, look no farther. With Viton® seals, powerful brass pump and steel pump handle, larger inside diameters on discharge set, larger, heavy-duty brass shutoff and wand, hose with hydraulic style fittings, Goodyear® brand hose formulated for solventbased cures. Tank is galvanized steel with Endurall® epoxy coating inside and out. Sprayer fills without removing pump. Pressure release built into filler lid. Comes standard with two nozzles — 110-10 and 8004.

Model	Pack	US Gal.	Litre	UPC-A
91004CCV	1	3.5	14	690247910042

Also available Industro® Power Sprayer holds 12.5 gallons, sprays up to 30 feet. Handles many materials too thick for hand sprayers. Piston pump delivers constant volume and pressure. Mechanical and jet agitation keeps spray materials mixed and in solution of 20 feet of Kem Oil® hose and adjustable power gun.

## Type 1 Cans / Storage Cabinets

### EAGLE Galvanized Steel Type-1 Safety Cans

These Eagle Safety products meet OSHA requirements and most are either Factory Mutual (FM) approved or listed by Underwriters Laboratories, Inc. (UL) and Underwriters Laboratories Canada (ULC).

Eagle Safety Containers are manufactured to exacting standards, reflecting sophisticated technology and superior workmanship. Eagle equals engineering excellence, providing you with the most dependable containers on the market.



Model	Capacity	Approval	Diameter	Height	Weight
UI-2-S	1 qt.	UL, ULC, FM	5.25"	8.00"	1.96 lbs.
UI-4-S	2 qt.	UL, ULC, FM	6.75"	8.75"	2.59 lbs.
UI-10-S	1 gal.	UL, ULC, FM	9.00"	10.00"	3.31 lbs.
UI-10-FS**	1 gal.	UL, ULC, FM	9.00"	10.00"	3.52 lbs.
UI-20-S	2 gal.	UL, ULC, FM	11.25"	9.50"	5.00 lbs.
UI-20-FS**	2 gal.	UL, ULC, FM	11.25"	9.50"	5.25 lbs.
UI-50-S	5 gal.	UL, ULC, FM	12.50"	13.50"	6.75 lbs.
UI-50-FS**	5 gal.	UL, ULC, FM	12.50"	13.50"	7.00 lbs.

\*\* F-15 Funnel included



### EAGLE Flammable Storage Safety Cabinets

Keep flammable liquids near work areas in Eagle Safety Storage Cabinets. All are constructed of 18-gauge steel. Sides, top, bottom, and doors are double-walled with a 1-1/2" air space between walls. Both vents, with 2" threaded fittings, have fire baffle and cap. Cabinets come in yellow high gloss powder finish with red warning, plus grounding attachment, 3-point key lock and 2" raised, leakproof door sill. Each shelf is adjustable, supported by 4 brackets, and can support 350 pounds.

Model	Capacity	FM	Door Specs.	Size (W x D x H)	Weight
1903	4 gal.	-	1 Self-closing	17.5" x 18" x 22.5"	70 lbs.
1904	4 gal.	-	1 Manual	17.5" x 18" x 22.5"	69 lbs.
1924	12 gal.	-	1 Self-closing	23" x 18" x 35"	135 lbs.
1925	12 gal.	-	1 Manual	23" x 18" x 35"	133 lbs.



## Storage Cabinets

### EAGLE Flammable Storage Safety Cabinets (cont.)

Eagle

1905 / 1906



1923



2310



Model	Capacity	FM	Door Specs.	Size (W x D x H)	Weight
1905	16 gal.	-	1 Self-closing	23" x 18" x 44"	150 lbs.
1906	16 gal.	-	1 Manual	23" x 18" x 44"	150 lbs.
1923	24 gal.	-	1 Manual	23" x 18" x 65"	260 lbs.
2310	24 gal.	-	1 Self-closing	23" x 18" x 65"	270 lbs.
1930	30 gal.	Y	1 Sliding	43" x 18" x 44"	253 lbs.
1932	30 gal.	Y	2 Manual	43" x 18" x 44"	247 lbs.
3010	30 gal.	Y	2 Self-closing	43" x 18" x 44"	257 lbs.
1945	45 gal.	Y	1 Sliding	43" x 18" x 65"	340 lbs.
1947	45 gal.	Y	2 Manual	43" x 18" x 65"	342 lbs.
4510	45 gal.	Y	2 Self-closing	43" x 18" x 65"	353 lbs.
1946	48 gal.	Y	1 Manual	23" x 34" x 65"	360 lbs.
4610	48 gal.	Y	1 Self-closing	23" x 34" x 65"	370 lbs.
1962	60 gal.	Y	2 Manual	31¼" x 31¼" x 65"	354 lbs.
6010	60 gal.	Y	2 Self-closing	31¼" x 31¼" x 65"	364 lbs.
1992	90 gal.	Y	2 Manual	43" x 34" x 65"	475 lbs.
9010	90 gal.	Y	2 Self-closing	43" x 34" x 65"	485 lbs.

1930



1932



3010



1945



1947



4510



1946



4610



6010



1962



1992





## Spill Containment / Guards / Protectors

### Spill Containment Pallets

All pallets feature:

- Polyethylene construction for excellent chemical resistance.
- Grating with 1-3/4" square opening that removes easily for cleaning.
- Forkliftable design with 3/4" drain plug.
- Model 1645 and 1646 are compatible with our Model 1689 ramp.
- Meet EPA requirements for secondary spill containment of hazardous materials (40 CFR 264.175).



Model No.	Description	Spill Capacity	Weight	Dimensions	Load Capacity
1620	Two Drum Spill Pallet	66 gallons	48 lbs.	51" x 26.25" x 15"	2,000 lbs
1640	Four Drum Spill Pallet	90 gallons	88 lbs.	51.5" x 51.5" x 18.5"	4,000 lbs
1645	Low Profile Spill Pallet	66 gallons	65 lbs.	51.5" x 51.5" x 10"	8,000 lbs
1646	Four Drum Spill Pallet	66 gallons	65 lbs.	58.5" x 58.5" x 7.75"	6,000 lbs

### Overpack Drums

All Overpacks are constructed of tough, chemical resistant 100% blow-molded highdensity polyethylene, are lightweight and are nestable and include UV inhibitors. When used with the plastic locking lever or screw top,

- These containers incinerate completely.
- United Nations certified to HM-181 1H2/X300/S, performance requirements of DOT 49 CFR 173.25, and can be used with packing groups I, II and III of hazardous materials.
- Overpacks have a heavy-duty metal lever locking ring or screw top lid that are ideal for storage, transportation, clean up and spill containment of larger containers (55 gallons or smaller).

Model No.	Description	Capacity	Weight	Dimensions
1661	65-Gallon Overpack with Screw Top Lid	65 gallons	45 lbs.	31" x 33.5"
1690	95-Gallon Overpack with Screw Top Lid	95 gallons	50 lbs.	31" x 41.5"



### Bollard Posts

Add protection to your facility and prevent damage. Posts feature a durable baked on powder coat in safety yellow to provide high visibility. Each post is made of 1/4" thick steel mounted on 3/8" steel plates that are pre-drilled with 3/4" holes for easy installation. The black HDPE post caps are included and can be removed to fill posts with concrete for extra protection.

#### Machine Guards

Our machine guards provide superior protection for facilities and equipment. Create barriers between traffic areas and your valuable machinery. Anchor bolts not included.





## Asphalt / Tar Tools

Blacktop Tools Inc.

### CRACK FILLING SQUEEGEES

For properly filling and sealing long cracks and expansion joints in pavements. Used in conjunction with a Crack Pot, crack filling squeegees force liquid asphalt down into the crack, pushing excess material ahead. Less material is therefore used, with none left on the pavement surface to dry and cause "bumps." Black neoprene blades withstand temperature up to 260 degrees. Red silicone blades withstand temperatures up to 600 degrees. 54" long ash handle.

"U" Style Heavy Duty Models  
(Larger capacity, 3/8" thick neoprene blades)

"V" Style Economy Models (1/4" thick blades)

Product#

U Style	V Style
U2R	VNR
U5R	VSR
U5	VN
U2	VS



### CRACK POTS

OL AMERICA'S FAVORITE "CRACK POT," for crack and joint filling. Redesigned, now made of 20-gauge steel, stronger construction yet total weight of pot is lighter. Adjustable 3 size pouring nozzle. Non-drip finger-tip control valve. Worker walks facing traffic with stream of oil in plain sight, under instant control. All welded construction, can be burned clean repeatedly. Features leg stand that eliminates material spillage when pot is not in use. Weight 6 lbs. 10 oz. Capacity 2 gallons. Pot 8" dia. x 17" high. Overall height 27".

O CRACK POT Same as model "OL" but without leg stand. Weight 6 lbs. 4 oz. Capacity 2 gallons. Tools, Inc.

**"Call Wharton for all of your Asphalt needs, including rakes, tack coats, diamond blades, inverted paints, roller rentals, traffic control cones and flags, safety vests and more."**



## Galvanized Ware

### PAILS

"S & K Ware" pails are manufactured from bright spangled, zinc rich galvanized steel. Our unique triple interlocking "Gordon Seam" forms a six-layer, side security seam, assuring integrity in every 10, 12 and 16 qt. container. The smooth top edge is reinforced with a continuous covered rim wire. Bail is securely attached to the top pail rim. All pail bottoms are recessed to assist pouring action and limit pail to surface contact. 2 qt. model is also available in a variety of decorative colors and patterns.



Model No.	Capacity	Top Dia.	Ht.	Bndl. or Ctn. Pack	Wt./Ctn. or Bndl.	Cube
2QTG	2 qt.	6"	6"	12/ctn.	6 lbs.	.6
10100	10 qt.	10-5/8"	8-7/8"	12/Bndl.	22 lbs.	1.6
10101	10 qt.	10-5/8"	8-7/8"	12/Ctn.	22 lbs.	2.0
10120	12 qt.	11"	9-7/8"	12/Bndl.	25 lbs.	2.0
10121	12 qt.	11"	9-7/8"	12/Ctn.	25 lbs.	2.4
10161	16 qt.	13-7/8"	8-1/4"	12/Bndl.	28 lbs.	2.4
10172	16 qt.	13-7/8"	8-1/4"	12/Ctn.	28 lbs.	2.8

### GARBAGE CANS

The quality is evident in every "S & K Ware" garbage can we produce. All cans are carefully manufactured from prime, heavy gauge galvanized steel, and feature deep body corrugations for superior strength and durability. Shielded wire reinforcement structure the top and bottom can edges. Dual drop side handles and recessed can bottom ease container handling. Corrugated galvanized lids fit securely. High strength handle attachments. 10 gal. model has bail handle. An excellent pet food/bird seed storage can.



Model No.	Capacity	Top Dia.	Ht.	Bndl. or Ctn. Pack	Wt./Ctn. or Bndl.	Cube
90263	10 gal.	15-1/4"	17-14"	6/Bndl.	35 lbs.	4.4
Lid	-	15-1/2"	2"	6/Bndl.	9 lbs.	9
90001	20 gal.	17-3/4"	23-1/4"	6/Bndl.	46 lbs.	7.7
Lid	-	18"	3-5/8"	6/Bndl.	11 lbs.	1.4
90146	32 gal.	21"	26-1/4"	6/Bndl.	57 lbs.	11.5
Lid	-	21-1/8"	3-3/4"	6/Bndl.	12 lbs.	2.0

### TUBS

The applications are nearly endless for "S & K Ware" galvanized steel tubs, whether for shop use, as parts containers, nursery stock tubs, pet bath care, lawn and garden or a host of other uses. Our big 15 and 18-3/4 gal. tubs are produced from heavy, zinc rich galvanized steel, feature six layer interlocked side seams, recessed corrugated bottoms and dual drop side handles. Security covered wire reinforced rim adds strength and durability to the top edge.



Model No.	Capacity	Top Dia.	Ht.	Bndl. or Ctn. Pack	Wt./Ctn. or Bndl.	Cube
14200	15 gal.	22"	11"	6/Bndl.	33 lbs.	6.0
14300	18-3/4 gal.	24-1/2"	11"	6/Bndl.	36 lbs.	7.0

### UTILITY PAN

General purpose galvanized steel utility pan for farm, home, automotive and industry. One-piece seamless construction, curled edge and tapered. Excellent as an oil drain pan, parts pan or animal feed/water pan.



Model No.	Capacity	Top Dia.	Ht.	Bndl. or Ctn. Pack	Wt./Ctn. or Bndl.	Cube
17007	13 qt.	15-1/2"	3-1/2"	12	21 lbs.	1.2



## Funnels

### NON-SWIRL FUNNELS

These are heavy-duty galvanized steel funnels with fully wired top band for added strength. Each is equipped with a 70-mesh brass strainer screen; the strainer is removable on the center spout styles and soldered in place on the side spout styles. Center spout styles have a fluted bottom to prevent swirling. Center spouts are 1" diameter, side spouts are 7/8" and all are grooved for air venting.

Model No.	Capacity	Spout Style	Ctn./ Pack	Wt./ Ctn.	Cube/ Ctn.
600	9 qt.	12" side	6	16 lbs.	4.0
601	9 qt.	12" cntr.	6	13 lbs.	2.3
620	6 qt.	10" side	6	10 lbs.	2.5
621	6 qt.	10" cntr.	6	10 lbs.	1.4
631	3 qt.	8" cntr.	6	6 lbs.	.75



#621



#620

### SPECIAL FUNNELS

The 590 and 690 series are heavy-duty models with wired top, extra tall rim for rapid pouring without spilling. Fluted bottom prevents swirling. Supplied with removable 70-mesh brass strainer screen, 590S and 690S Models have a skirt for holding funnel on vessel being filled. The 490, 491, 605 and 641 Models are sturdy general purpose funnels; all have removable 70-mesh brass strainers except the 490 which is plain.

For transmissions and other hard-to-get-to filler openings, the 495 model is provided. This funnel has a 3/4" x 14" flex metal spout with 7/16" tip and removable 70-mesh brass strainer screen.

Model No.	Capacity	Spout Style	Ctn./ Pack	Wt./ Ctn.	Cube/ Ctn.
590	8 qt.	9" cntr.	12	22 lbs.	4.8
690	12 qt.	11" cntr.	6	16 lbs.	4.8
590S	8 qt.	9" cntr.	12	24 lbs.	4.8
690S	12 qt.	11" cntr.	6	17 lbs.	4.8
490	1 qt.	6" cntr.	24	10 lbs.	.79
491	1 qt.	6" cntr.	24	10 lbs.	.79
495	1 qt.	6" cntr.	12	10 lbs.	1.8
605	4 qt.	12" cntr.	6	12 lbs.	3.0
641	2 qt.	8" cntr.	12	8 lbs.	1.8



#590



#490



#495

### LOCK ON FUNNELS

Heavy-duty galvanized steel lock on funnel with wire reinforced top rim. Welded lock on arms. Non-swirl fluted base for swift drainage. Provided with 70-mesh brass strainer screen. Six-point progressive locking tabs to fit all openings.

Model No.	Capacity	Spout Style	Ctn./ Pack	Wt./ Ctn.	Cube/ Ctn.
590-LX	8 qt.	9" cntr.	12	24 lbs.	4.8
590-LX	8 qt.	9" cntr.	6	12 lbs.	2.4

### PLASTIC FUNNELS

Model No.	Capacity	Spout Style	Ctn./ Pack	Wt./ Ctn.	Cube/ Ctn.
31-P	1 pt.	4-1/2" cntr.	12	2 lbs.	.17
32-P	2 qt.	6-1/2" cntr.	6	2.5 lbs.	.48
33-P	6 qt.	8-1/2" cntr.	6	5 lbs.	.65



## Grease Guns

Plews LubriMatic

### Plews/LubriMatic™ Brand Lever Action Grease Guns

#### Standard Duty Grease Gun

Ideal for household and do-it-yourself automotive use. Uses standard 14 oz. cartridge. Develops up to 6,000 psi. Delivers 1 oz. of grease/40 strokes.

30-200 5 per master.  
30-449 Polybagged. 10 per master.

#### Industrial Grease Gun

Made for the punishing day-in and day-out service required by industrial customers. Variable/short stroke for easy use in confined areas. Rugged fully zinc-plated finish. Dual port head cap with bulk loader fitting for 3-way loading (14 oz. cartridge, bulk or suction) and air bleeder valve. 5-3/8" pipe and coupler. Plated lever with comfortable oversized grip. Develops up to 10,000 psi. Delivers 1.8 oz./40 strokes.

30-465 Individually boxed. 5 per master.

#### Professional Grease Gun

Our heavy-duty grease gun for automotive professionals. Variable/short stroke for easy use in confined areas. Air bleeder and bulk loader fitting for 3-way loading (14 oz. cartridge, bulk or suction). 5-3/8" pipe and coupler. Plated lever with comfortable oversized grip. Develops up to 10,000 psi and delivers 1.8 oz./40 strokes.

30-475 Individually boxed. 5 per master.

#### The Ultimate® Grease Gun

Equipped with 10" grease pipe, HD coupler, longer lever, barrel and lever comfort grips, air bleeder valve, bulk loader fitting, variable stroke and 3-way loading (14 oz. cartridge, bulk or suction). Develops up to 10,000 psi, delivers 3.33 oz./40 strokes. Built to take extreme punishment.

30-480 Individually boxed. 5 per master.



30-200



30-449



30-465



30-475



30-480

### Plews/LubriMatic™ Pistol Grease Guns



30-300



30-416

#### Standard Duty Pistol Grease Gun

Convenient, easy one-hand operation. 2-Way loading, cartridge or bulk load. Equipped with 3-1/2" grease pipe and coupler. Delivers up to 5,000 psi.

30-300 Individually boxed. 5 per master.

#### Professional Pistol Grease Gun

Features variable stroke for use in tight places. 3-way loading: 14 oz. cartridge, bulk or suction. Includes air bleeder valve and bulk loader fitting. Develops up to 7,000 psi. Delivers 1 oz./40 strokes.

30-416 Includes 18" flex hose and vinyl handle grip. 5 per master



## Trailer Hitches and Accessories

Buyers Products Company

### 5-Ton Forged Light Duty Pintle Hook

**Capacity**

2,000 lbs. maximum vertical load  
10,000 lbs. M.G.T.W.

**Description**

Light-duty rigid type pintle hook. Finished with black powder coat for durability and corrosion resistance.

**Drawbar Eye Dimensions**

2" to 3" I.D. with 1-1/4"-1-5/8" diameter section. Hitches are shipped individually boxed and include mounting information, specification sheet and drilling template.

PH5



Part No.	Description	Weight (lbs.)
PH5	5-Ton Light Duty Pintle Hook	8.0
PH5WMK	5-Ton Light Duty Pintle Hook with Mounting Kit	8.25

*Interchanges with Holland® PH-T-60-AL*

### 15-Ton Forged Heavy-Duty Pintle Hook

**Capacity**

6,000 lbs. maximum vertical load  
30,000 lbs. M.G.T.W.

**Description**

Drop-forged alloy steel rigid type pintle hook. Finished with black powder coat for superior durability and corrosion resistance.

**Drawbar Eye Dimensions**

2" to 3" I.D. with 1-1/4" to 1-5/8" diameter section. Pintle hooks are individually boxed and include mounting information sheet, spec. sheet, adhesive backed drilling template, and vehicle capacity decal. Optional fastener kit (part #8520) contains:  
- four 1/2" x 2" long grade 8 cap screws.  
- four 1/2" grade 8 hex nuts.  
- four 1/2" heavy lockwas

PH15



Part No.	Description	Weight (lbs.)
PH15	15-Ton Light Duty Pintle Hook	10.0
PH15WMK	15-Ton Light Duty Pintle Hook with Mounting Kit	11.73
8520	Mounting Kit	.75

*Interchanges with Holland® PH-T-60-AOI-8*

### 8-Ton Forged Alloy Steel Combination Hitch

**Capacity**

3,000 lbs. maximum vertical load  
16,000 lbs. M.G.T.W.

**Description**

Drop-forged combination pintle hook/ball hitch. Forged steel ball. Interchangeable hitch balls. Finished with black powder coat for durability and corrosion resistance.

**Drawbar Eye Dimensions**

2-1/2" to 3" up to 1-9/16" cross section. Hitches are shipped with drilling template, capacity decal, individually boxed.

BH81780



BH81780



8520



RB2516



Part No.	Description	Ball Size	Weight (lbs.)
BH81780	8-Ton Forged Alloy Steel Combination Hitch	1-7/8"	13
BH82000	8-Ton Forged Alloy Steel Combination Hitch	2"	13
BH82516	8-Ton Forged Alloy Steel Combination Hitch	2-5/16"	13
BH850MM	8-Ton Forged Alloy Steel Combination Hitch	50 mm	13
BH82000WMK	8-Ton Forged Alloy Steel Combination Hitch	2"	13.73
BH82516WMK	8-Ton Forged Alloy Steel Combination Hitch	2-5/16"	13.73
P11C	Clip w/chain	-	.13
8520	Mounting Kit	-	.75
RB1780	Replacement Ball	1-7/8"	2.25
RB2000	Replacement Ball	2"	2.50
RB2516	Replacement Ball	2-5/16"	2.75
RB50MM	Replacement Ball	50 mm	2.75





## Trailer Hitches and Accessories

### Forged 4-Bolt Mount Drawbar

One-piece forged design for safety and capacity.

**Capacity**

7,000 lbs. maximum vertical load  
42,000 lbs. M.G.T.W.

**Description**

Alloy steel forging.  
2-1/2" I.D. eye with 1-1/2" section draw bar with 4 hole sq. mounting plate.



Part No.	Description	Weight (lbs.)
BDB125015	Forged 4-Bolt Mount Drawbar	17.1

### 4-Bolt Mount Drawbar

One-piece forged design for safety and capacity.

**Capacity**

7,000 lbs. maximum vertical load  
42,000 lbs. M.G.T.W.

**Description**

Alloy steel forging.  
2-1/2" I.D. eye with 1-1/2" section draw bar with 4 hole sq. mounting plate.



Part No.	Description	Weight (lbs.)
BDB125015W	Welded 4-Bolt Mount Drawbar	14.0

### Forged Alloy Steel Drawbar with Nut

**Capacity**

3,000 lbs. maximum vertical load  
15,000 lbs. M.G.T.W.

**Description**

Alloy steel forging.  
2-1/2" I.D. eye with 1-1/2" section draw bar with nut, cotter pin and washer



Part No.	Description	Weight (lbs.)
BDB12503	Forged Alloy Steel Drawbar w/Nut	9.0

### 30-Ton, Heavy-Duty 4-Bolt Mount Drawbar

**Capacity**

15,000 lbs. maximum vertical load  
60,000 lbs. M.G.T.W.

**Description**

Alloy steel forging with 3" I.D. eye and 1.62" section drawbar. Heat treated wear surface with 4-hole square mounting base.



Part No.	Description	Weight (lbs.)
BDB1385	Heavy-Duty Forged 4-Bolt Mount Drawbar	20.0

### 15-Ton Forged Swivel-Type Pintle Hook

**Capacity**

6,000 lbs. maximum vertical load 30,000 lbs. M.G.T.W.

**Description**

Swivel-type pintle hook with spring cushion. Swivel action provides torsional relief of the coupling. Recommended for off-road application (capacities reduced by 25%).

**Drawbar Eye Dimensions**

2-3/8" to 3" I.D. with 1-1/4" to 1-5/8" diameter section. Pintle hooks are individually boxed and include mounting information sheet, spec sheet, and vehicle capacity decal.

**#8620 MOUNTING FASTENER KIT**

For BP100A Pintle Hook contains:

- Six 1/2" x 2-1/2" long grade-8 cap screws
- Six 1/2" grade-8 hex nuts
- Six 1/2" heavy lockwashers

Part No.	Description	Weight (lbs.)
BP100A	15-Ton Forged Swivel-Type Pintle Hook	34.0
BP125A	15-Ton Forged Swivel-Type Pintle Hook	42.0
8620	Mounting Fastener Kit for BP100A / BP200	1.3

BP100A



BP125A



## Trailer Hitches and Accessories

Buyers Products Company

### Forged Heavy-Duty Swivel-Type Pintle Hook

**Capacity**  
12,000 lbs. maximum vertical load  
60,000 lbs. M.G.T.W.

**Description**  
Swivel-type pintle hook. Swivel action provides torsional relief at the coupling.

**Drawbar Eye Dimensions**  
3" I.D. with 1-5/8" diameter section.  
Forged alloy steel. Includes mounting hardware and capacity decal.



### Drop-Forged Normal Duty Towing Hook

Shipped in pairs of right and left hand patterns.  
Available in plain finish, powder coat or polished and chrome plated.

Right hand hook shown



Part No.	Description	Weight (lbs.)
BP760A	Forged Heavy-Duty Swivel-Type Pintle Hook	38.25
7626	Pin and Chain Assembly for BP760	0.1
3006875	1/4" Zinc Plated Safety Pin	0.1

Part No.	Description	Weight (lbs.)
B2800A	Plain Finish 13,500 lbs.	9.4
B2800AB	Black Powder Coat Finish 13,500 lbs.	9.4
B2800AC	Polished and Chrome Plated 13,500 lbs.	9.4

### Drop-Forged 3-Hole Towing Hook

Shipped in pairs of right and left hand patterns.

Right hand hook shown

Part No.	Description	Weight (lbs.)
B2801C	44,500 lbs.	10.0



### Pintle Hook Mount

Designed to adapt receiver tubes to multi-height pintle hook applications

**Features**  
Continuous welds  
Black powder coat finish  
High and low positioning  
Welded support bracket  
Solid shank (\*tubular shank on PM25612)  
These mounts accept PH5, PH8, PH15, PH20, BH8 or similar pintle hooks.



Part No.	Description	Shank Dimensions	Plate Dimensions	Pairs of Holes	M.V.L. (lbs.)	M.G.T.W. (lbs.)	Weight (lbs.)
PM84	Pintle Hook Mount	2" x 9"	5" x 3.75"	2	4,000	20,000	12
PM87	Pintle Hook Mount	2" x 9"	5" x 7.38"	4	2,000	10,000	15
PM105	Pintle Hook Mount	2" x 10.25"	5" x 5.75"	3	2,800	14,000	16
PM107	Pintle Hook Mount	2" x 10.25"	5" x 7.38"	4	2,000	10,000	17
PM812	Pintle Hook Mount	2" x 12.25"	5" x 12.50"	7	2,000	10,000	24
PM1012	Pintle Hook Mount	2" x 14.50"	5" x 12.50"	7	2,000	10,000	26
PM25612	Pintle Hook Mount	2.50" x 12"	5" x 6.13"	3	3,200	16,000	12



## Strapping & Accessories

### Steel Packaging Hand Tools and Accessories

Quality Strapping

**QS-S290**

Regular Duty Feedwheel Strap Tensioner  
Strap Width: 3/8" to 3/4"  
Up to gauge .035



**QS-S296**

Heavy-Duty High Tension  
Feedwheel Strap Tensioner  
Strap Width: 3/8" to 3/4"  
Up to gauge .035



**QS-S298**

Heavy-Duty High Tension  
Feedwheel Strap Tensioner  
With Extra Long Labor Saving Handle  
Strap Width: 3/4" to 1-1/4"  
Up to gauge .035



**QS-C3103 / 04 / 05 / 06**

Regular Duty Steel Strapping Sealer  
Double Notched  
QS-C3103 if for 3/8" Steel Strapping  
QS-C3104 if for 1/2" Steel Strapping  
QS-C3105 if for 5/8" Steel Strapping  
QS-C3106 if for 3/4" Steel Strapping



**QS-Deluxe Cart Dispenser**

This portable strapping cart dispenser will keep your strapping tools and supplies handy. It has a large tool tray with plenty of storage space for buckles and seals. Moves easily around a warehouse on heavy-duty wheels. Break system keeps strapping rolls from unwinding when you finish pulling the strap



**Open Seals**

Snap-on type:  
Place over the overlapping strapping ends during or after tensioning.  
Size: 3/8", 1/2", 5/8" and 3/4"



**Closed Seals**

Sleeve type: Preheaded over the overlapping strapping ends before the tensioning tool is applied.  
Size: 1-1/4"



## Steel Strapping

### Regular Duty – Standard Strength / Machine Grade Quality

Width (in.)	Thickness (in.)	Avg. Strength (lbs.)	Yield ft./lb.	Coil Winding		Finish Painted
				Osc.	Ribbon	
3/8	.015	675	52.4	X		X
	.020	880	39.3	X		X
1/2	.015	900	39.3	X		X
	.020	1170	29.4	X		X
	.023	1300	25.6	X		X
5/8	.015	1125	31.4	X		X
	.020	1460	23.6	X		X
	.023	1670	20.5	X		X
3/4	.015	1350	26.2	X		X
	.020	1760	19.6	X		X
	.023	2000	17.1	X		X
	.028	2300	14.0	X		X



**Oscilated Wound**

Regular duty strapping is a low carbon, cold rolled steel strapping manufactured with close tolerances in order to conform with US government specifications. This strapping meets the requirements for general applications and can be used in both manual and combination tools.

### High Tensile – High Strength / High Shock Resistance

Width (in.)	Thickness (in.)	Avg. Strength (lbs)	Yield ft./lb.	Coil Winding		Finish Painted
				Osc.	Ribbon	
1/2	.020	1450	29.4	X		X
	.023	1660	25.6	X		X
5/8	.020	1810	23.6	X		X
	.023	2050	20.5	X		X
3/4	.020	2150	19.6	X		X
	.023	2450	17.1	X		X
	.025	2620	15.7	X	X	X
	.029	3050	13.1	X	X	X
	.031	3250	12.7	X	X	X
1 1/4	.020	3825	11.8		X	X
	.025	4780	9.4		X	X
	.029	5250	8.1		X	X
	.031	5450	7.6		X	X
	.035	6150	6.7		X	X
	.044	7610	5.3		X	X
2	.044	12300	3.3		X	X



**Ribbon Wound**

High Tensile strapping is a specially blended cold rolled steel product that is heat treated and quickly cooled to give maximum elongation for high shock specifications. Our high tensile steel strapping conforms to government specifications and is approved by the American Association of Railroads (AAR). This strapping is used where high elongation is required. Many heavy duty applications such as load dumping, structural steel transportation, and banding of heavy coils are good examples.

We stock regular duty 3/8", 1/2", 5/8", 3/4" x .020" thickness, and high tensile 3/4" x .031" and 1-1/4" x .031" thickness.

## Manila Rope

### TWISTED MANILA 3-STRAND

Size Dia. (in.)	Dia. (mm)	Circ. (in.)	Circ. (mm)	Weight (lbs. per 100 ft.)	Average Tensile Strength
3/16"	5	5/8"	15	1.5	405 lbs.
1/4"	6	3/4"	18	2	540 lbs.
5/16"	8	1"	24	2.9	900 lbs.
3/8"	9	1-1/8"	27	4.1	1,215 lbs.
7/16"	11	1-1/4"	33	5.3	1,575 lbs.
1/2"	12	1-1/2"	36	7.5	2,385 lbs.
9/16"	14	1-3/4"	42	10.4	3,105 lbs.
5/8"	16	2"	48	13.3	3,960 lbs.
3/4"	18	2-1/4"	54	16.7	4,860 lbs.
13/16"	20	2-1/2"	60	19.5	5,580 lbs.
7/8"	22	2-3/4"	66	22.5	6,930 lbs.
1"	24	3"	72	27	8,100 lbs.
1-1/16"	26	3-1/4"	78	31.3	9,450 lbs.
1-1/8"	28	3-1/2"	84	36	10,800 lbs.
1-1/4"	30	3-3/4"	90	41.8	12,150 lbs.
1-5/16"	32	4"	96	48	13,500 lbs.
1-1/2"	36	4-1/2"	108	60	16,650 lbs.
1-5/8"	40	5"	120	74.4	20,250 lbs.
1-3/4"	44	5-1/2"	132	89.5	23,850 lbs.
2"	48	6"	144	108	27,900 lbs.
2-1/8"	52	6-1/2"	156	125	32,400 lbs.
2-1/4"	56	7"	168	146	36,900 lbs.
2-1/2"	60	7-1/2"	180	167	41,850 lbs.
2-5/8"	64	8"	192	191	46,800 lbs.
2-7/8"	68	8-1/2"	204	215	52,200 lbs.
3"	72	9"	215	242	57,600 lbs.
3-1/4"	80	10"	240	299	69,300 lbs.
3-1/2"	88	11"	264	367	81,900 lbs.
4"	96	12"	288	436	94,500 lbs.



Meets Federal Spec. TR605, Type M

**Packaging:**

- Coils 100 lbs. or less are packaged in cartons.
- Coils 100 lbs. or more are wrapped in poly cloth

### Manila Rope (Natural), 3 Strand

Manila Rope is a natural rope made from the fibers of the abaca plant. It is economical and strong but is affected by chemicals and mildew. Low stretch, holds knots well, resistant to UV rays, must be stored dry, does not melt, Natural in color. Military specifications available. Ranging from 1/4" to 4" in diameter. Variety of lengths available.



## Polypropylene Rope

### TWISTED POL TWISTED POLYPRO 3-STRAND

Size Dia. (in.)	Dia. (mm)	Circ. (in.)	Circ. (mm)	Weight (lbs. per 100 ft.)	Average Tensile Strength
3/16"	5	5/8"	15	0.7	720 lbs.
1/4"	6	3/4"	18	1.2	1,130 lbs.
5/16"	8	1"	24	1.8	1,710 lbs.
3/8"	9	1-1/8"	27	2.8	2,430 lbs.
7/16"	11	1-1/4"	33	3.8	3,150 lbs.
1/2"	12	1-1/2"	36	4.7	3,780 lbs.
9/16"	14	1-3/4"	42	6.1	4,590 lbs.
5/8"	16	2"	48	7.5	5,580 lbs.
3/4"	18	2-1/4"	54	10.7	7,650 lbs.
13/16"	20	2-1/2"	60	12.7	8,910 lbs.
7/8"	22	2-3/4"	66	15	10,400 lbs.
1"	24	3"	72	18	12,600 lbs.
1-1/16"	26	3-1/4"	78	20.4	14,400 lbs.
1-1/8"	28	3-1/2"	84	23.7	16,500 lbs.
1-1/4"	30	3-3/4"	90	27	18,900 lbs.
1-5/16"	32	4"	96	30.5	26,700 lbs.
1-1/2"	36	4-1/2"	108	38.5	32,400 lbs.
1-5/8"	40	5"	120	47.5	38,700 lbs.
1-3/4"	44	5-1/2"	132	57	46,800 lbs.
2"	48	6"	144	69	54,900 lbs.
2-1/8"	52	6-1/2"	156	80	62,100 lbs.
2-1/4"	56	7"	168	92	72,000 lbs.
2-1/2"	60	7-1/2"	180	107	81,000 lbs.
2-5/8"	64	8"	192	120	90,900 lbs.
2-7/8"	68	8-1/2"	204	137	103,000 lbs.
3"	72	9"	215	153	123,000 lbs.
3-1/4"	80	10"	240	190	146,000 lbs.
3-1/2"	88	11"	264	232	171,000 lbs.
4"	96	12"	288	275	324,000 lbs.



**Applications:**

- Floating tow lines.
- Mooring and tie-up lines.
- Pulling lines.
- Hand and block lines.

**Properties:**

- Good abrasion resistance, internal and surface.
- Able to float – Yes.
- Excellent resistance to rot, mildew and deterioration due to marine organisms.

**Twisted Polypropylene, 3 Strand**

Polypropylene is very light and floatable, spliceable, many colors to choose from, low stretch, and has a high resistance to chemicals. Military specifications available. Ranging from 1/8" to 4" in diameter. Variety of lengths available

Frank W. Winne

## Nylon Rope

### TWISTED NYLON TWISTED NYLON 3 STRAND

Size Dia. (in.)	Dia. (mm)	Circ. (in.)	Circ. (mm)	Weight (lbs. per 100 ft.)	Average Tensile Strength
3/16"	5	5/8"	15	1	900 lbs.
1/4"	6	3/4"	18	1.5	1,490 lbs.
5/16"	8	1"	24	2.5	2,300 lbs.
3/8"	9	1-1/8"	27	3.5	3,350 lbs.
7/16"	11	1-1/4"	33	5	4,500 lbs.
1/2"	12	1-1/2"	36	6.5	5,750 lbs.
9/16"	14	1-3/4"	42	8.3	7,200 lbs.
5/8"	16	2"	48	10.5	9,350 lbs.
3/4"	18	2-1/4"	54	14.5	12,800 lbs.
13/16"	20	2-1/2"	60	17	15,300 lbs.
7/8"	22	2-3/4"	66	20	18,000 lbs.
1"	24	3"	72	26	22,500 lbs.
1-1/16"	26	3-1/4"	78	29	25,900 lbs.
1-1/8"	28	3-1/2"	84	34	29,700 lbs.
1-1/4"	30	3-3/4"	90	40	33,750 lbs.
1-5/16"	32	4"	96	45	38,750 lbs.
1-1/2"	36	4-1/2"	108	55	47,700 lbs.
1-5/8"	40	5"	120	68	58,500 lbs.
1-3/4"	44	5-1/2"	132	83	70,200 lbs.
2"	48	6"	144	95	82,800 lbs.
2-1/8"	52	6-1/2"	156	109	95,400 lbs.
2-1/4"	56	7"	168	129	113,000 lbs.
2-1/2"	60	7-1/2"	180	149	126,000 lbs.
2-5/8"	64	8"	192	168	146,000 lbs.
2-7/8"	68	8-1/2"	204	189	162,000 lbs.
3"	72	9"	215	210	180,000 lbs.
3-1/4"	80	10"	240	263	225,000 lbs.
3-1/2"	88	11"	264	316	270,000 lbs.
4"	96	12"	288	379	324,000 lbs.



**Applications:**

- Mooring lines.
- Tie-up lines.
- Anchor lines.
- Slings.
- Tow lines.
- Shock lines.

**Properties:**

- High elongation and strength.
- Good abrasion resistance.
- Excellent resistance to rot, mildew and deterioration due to marine organisms

### Twisted Nylon, 3 Strand

Nylon rope is a synthetic fiber rope that has good resistance to abrasion and will usually last 4 - 5 times longer than natural ropes. It is ideal for use in situations where sudden shock is applied to the rope. It loses some of its strength when wet. Nylon rope resists chemicals and abrasion, is spliceable, for docking, anchoring or pulling and there are many colors to choose from. Military specifications available. Ranging from 3/16" - 4" in diameter. Variety of lengths available.



## Lever Dollies / Hand Trucks

The Fairbanks Company

### "C" SERIES OAK LEVER DOLLIES – Capacity to 5,000 lbs

Fairbanks "C" Series Lever Dollies feature kiln dried 1¾" thick oak handles with rounded edges. Reversed beveled nose iron is 6" wide x 3" deep and bolted to handle and heavy duty axle. Handle lengths are 60", 72" and 84" to fit most any lifting application. Wheel options are semi-steel with plainbore (IW), solid hard rubber with delrin bearings (HRI) and rubber mold-on cast iron (RT). Lever dollies are typically used in pairs

E Series - Oak

Handle Length	Order Number	Load Capacity	Weight (lbs.)	Wheel Order No.
60	C60-IW	3500	30	124-A
	C60-RT	3500	28	525-RC
	C60-HRI	1000	27	2-315-CC
72	C72-IW	4250	33	124-A
	C72-RT	4250	31	525-RC
	C72-HRI	1000	30	2-315-CC
84	C84-IW	5000	35	124-A
	C84-RT	5000	33	525-RC
	C84-HRI	1000	32	2-315-CC



C60, C72, C84 Lever Dollies

### STEEL HAND TRUCKS

Capacity – 800 lbs.

- Robotic welded for greater consistency.
- Green epoxy powder coated for a longer lasting finish.
- D-Lock axle flattened on one side; cannot rotate and cause wear.
- Back lip on nose plate adds strength, while holding small loads in place.
- Large 8" x 14" nose plate with Super Slik™ raised runners to help slide load on and off with minimal effort.
- Curved crossbars hold load in place.
- Extra-long stair climbers provide added frame strength and ease loads over stairs and curbs.
- Rugged ball bearing wheels for longer wear



A-1448-10PN C114-10PN C118-10PN CVN-1500-10PN

**A-1448-10PN Dual** – Grip Handle: Two-hand operation balances difficult loads with ease. General purpose truck for moving merchandise in shipping rooms, factories, stores and offices.

**C114-10PN** – Loop Handle: Excellent one-handed maneuverability for a wide range of materials handling. Loop permits easier "breaking" of the load and acts as leg when truck is placed horizontally for loading.

**C118-10PN** – Continuous Handle: Push or pull style for excellent mobility with one or two hands. A tall truck for handling bulky loads in terminals, warehouses, offices and factories.

**CVN-1500-10PN** – Convertible Handtruck: Converts from a 2-wheeler to 4-wheeler and back quickly and easily with a new unique adjustable height snap button system.

Capacity - 700 lbs.

**EA-2460-6HR** – Ratchet Type Appliance Truck: Heavy-duty double locking geared ratchet system security tightens the 10-foot nylon web belt. Belt can be easily positioned high or low on shaft to handle various appliance heights. Heavy constructed tubular steel frame appliance truck with 2" wide web belt. Truck features include V-Belt stair crawlers, ratchet belt take-up system, roll-lock strap buckle, vinyl contact protection on front of frame and extra wide nose iron for the largest of appliances. Powder coated green finish for durability.

Wheel Type: Hard Rubber  
Load Capacity: 700  
Height / Width: 60½"H / 16"W  
Wheel Size: 6"  
Nose Iron Size: 4¾"x24"  
Ship Weight: 50 lbs



Item #	Height	Width	Weight	Wheel Type
A-1448-10PN	47	14	35	Semi-Pneumatic
C114-10PN	50	14	38	Semi-Pneumatic
C118-10PN	52	14	37	Semi-Pneumatic
CVN-1500-10PN	52	14	48	Semi Semi or Foam Filled Pneumatic

## Drywall Carts / Steel Deck Platform Trucks

### Drywall Carts

For drywall, marble, tile, doors and windows

Model #WB

Industry Standard Top Quality

Specifications:

- Strong welded steel frame made in USA.
- 3000 pound capacity.
- Weight - 80 pounds.
- 48" L x 48" H x 23" W.
- All swivel 8" mold-on rubber caster standard (bolted on).
- Completely assembled, ready to use.
- Optional: Phenolic or 2-rigid, 2-swivel caster.



Model WB

MODEL	DESCRIPTION	DIMENSIONS	WEIGHT	CASTER	LOAD CAP
WB-100	12" WIDE BED, 4 SWIVEL MOLD ON RUBBER CASTERS	24" X 47" X 48"	90 LBS.	8" MOLD ON RUBBER	3,000 LBS.
WB-150	18" WIDE BED, 4 SWIVEL MOLD ON RUBBER CASTERS	29" X 47" X 48"	106 LBS.	8" MOLD ON RUBBER	3,000 LBS.

### Steel Deck Platform Trucks

All steel industrial strength, multi-purpose platform cart with 3,000 lb. capacity. Comes standard with 2 rigid and 2 swivel casters and a removable handle.

Features:

- All welded steel construction
- Heavy duty steel deck
- Detachable handle
- Available 5 in various sizes



Model PC

MODEL	DESCRIPTION	DECK SIZE	DECK HEIGHT	HANDLE HEIGHT	CASTER TYPE	WEIGHT	LOAD CAPACITY
PC-424	PLATFORM CART	48" X 24"	11.5"	43"	8" MOLD ON RUBBER	98 LBS	3,000 LBS.
PC-430	PLATFORM CART	48" X 30"	11.5"	43"	8" MOLD ON RUBBER	116 LBS	3,000 LBS.
PC-530	PLATFORM CART	60" X 30"	11.5"	43"	8" MOLD ON RUBBER	126 LBS	3,000 LBS.
PC-536	PLATFORM CART	60" X 36"	11.5"	43"	8" MOLD ON RUBBER	136 LBS	3,000 LBS.
PC-636	PLATFORM CART	72" X 36"	11.5"	43"	8" MOLD ON RUBBER	148 LBS	3,000 LBS.

### Jescraft Caster's

CTR-8MRS



Mold on Rubber





## Utility Trailer / Concrete Buggy

### Jescraft FWT Utility Trailers

Perfect for transporting big loads, these 2,000 lb. capacity, industrial strength utility trailers come with a dead man-safety brake that engages when the handle is down and pipe wells for stakes to secure loose loads.

**Features**

- New shorter, curved handle for easy turning
- Towing eye allows trailers to be linked together
- Available with 30" x 60" or 30" x 72" deck size
- All welded steel construction
- Dead man brake on all models
- Available with 16" or 18" pneumatic tires, or 16" flat free tires



Jescraft

MODEL	DESCRIPTION	DECK DIMENSIONS	OVERALL DIMENSIONS (W X L X H)	DECK HEIGHT	WHEEL SIZE	WHEEL TYPE	WEIGHT	LOAD CAPACITY
FWT-16	FOUR WHEEL TRAILER	30" X 60"	42" x 63" x 22"	22"	16"	PNEUMATIC	135 LBS.	1,000 LBS.
FWT-16FF	FOUR WHEEL TRAILER	30" X 60"	42" x 63" x 22"	22"	16"	FLAT FREE	135 LBS.	1,000 LBS.
FWT-16L	LARGE FOUR WHEEL TRAILER	30" X 72 "	42" x 74 3/4" x 22"	22"	16"	PNEUMATIC	145 LBS.	1,000 LBS.
FWT-16LFF	LARGE FOUR WHEEL TRAILER	30" X 72 "	42" x 74 3/4" x 22"	22"	16"	FLAT FREE	145 LBS.	1,000 LBS.
FWT-18	FOUR WHEEL TRAILER	30" X 60"	49" x 64" x 23.25"	25"	18"	PNEUMATIC	200 LBS.	2,000 LBS.
FWT-18FF	LARGE FOUR WHEEL TRAILER	30" X 60"	49" x 64" x 23.25"	25"	18"	FLAT FREE	210 LBS.	2,000 LBS.
FWT-18L	FOUR WHEEL TRAILER	30" X 72"	49" x 76 1/2" x 23.25"	25"	18"	PNEUMATIC	210 LBS.	2,000 LBS.
FWT-18LFF	LARGE FOUR WHEEL TRAILER	30" X 72"	49" x 76 1/2" x 23.25"	25"	18"	FLAT FREE	220 LBS.	2,000 LBS.

### Wheel Options

WHL-16PN4



16" Pneumatic Tire

WHL-16FF4



16" Flat Free Tire

WHL-18PN8



18" Pneumatic Tire

### Concrete Buggy

Georgia buggies or concrete buggies are designed for transporting concrete, mortar and debris on jobsites. Rugged and tough, these concrete carts feature a heavy duty, all welded steel construction for durable and sturdy transportation of concrete. Large wheels with roller bearings allow for easy maneuvering over rough surfaces. Comes standard with front dumping rockers that make dumping action effortless.

- 8 Cubic Foot Capacity (standard)
- Also available in slim 6 cubic foot size
- Front rocker arms for easy dumping
- Level handles available
- All welded steel construction
- Fully pneumatic wheels



## Drum Handling Equipment

### Drum Truck

#### Model 7559

\*Adjustable And Replaceable Sliding Chime Hook For Steel Or Fiber Drums.

\*Footrest Helps Position Truck Under Drum, Eases Break-Over And Serves As A Safety Device.

\*Handles Drums From 24 To 48 Inches High.  
\*Also Available With Wh 99 And Wh 59P Wheels.

#### Specifications

Wheel Type: 10" X 2 1/2" Mold On Rubber  
Axle: 7/8"  
Height: 60"  
Width: 24 1/2"  
Product Class: 175  
Frame Cap: 1200 LBS.  
UPC Code: 0-53417-01744-4



### Platform Truck

#### Model PT3060P6S

• Steel Deck Platform Truck with 6-Inch Poly Casters and 30-Inch by 60-Inch Deck

- Sturdy all-welded platform
- Reinforced for load support and durability
- Frame capacity 3,000 lb.
- Made in USA



### Drum Dollies

#### Model 8041

Series 80 for 30 gallon drums with a maximum container diameter of 19 1/4".

#### Technical Data

Height 5 3/4"

Weight 14 LBS.

Width 19 1/4"

Caster Type 3" X 13/16" RUBBER

#### Model 8042

Poly Drum Dolly, 30 Gallon, 350 Lb Capacity

#### Technical data

Height 5 3/4"

Weight 11.80 LBS.

Width 19 1/4"

Caster Type 3" X 13/16" RUBBER



### Drum Rack

#### Model 8818-41

Harper Trucks 8818-41 700-Pound Capacity Drum Rack for Use with 30-Gallon and 55-Gallon Drums

- 1000-Pound capacity
- Handle design allows for easy loading and unloading of drums on pallets
- Rear wheel assembly makes for even weight distribution and easy, safe handling for the operator
- Spring-loaded kickstand holds truck in vertical position.
- Handles drums from 22-1/2-to-44-Inch high



## Commercial Containers

### Marino Plastic Containers

- Added strength around interior stacking shoulder increases resistance and durability
- High impact plastic is crush resistant, rugged and long lasting.
- Lock down lids snap securely in place allowing contents to remain within, in case container is overturned.
- Gladiator rims are reinforced for added strength and durability.
- Handles have increased wall thickness and are designed for easier lifting.
- Color is moulded into the plastic. Will not chip, crack or peel.
- Base is reinforced to provide greater stability and weight distribution when dragging over an uneven surface



44 GAL      32 GAL      20 GAL

#### 20 GALLON Container – 22½” H x 9¼” Dia.

Product Code	Description	Pack Qty.	Pack Wt. lb(s).	Pack Wt. KG	Pack Cube/ft.
GB2020	20 Gal. Container	1	6.17	2.8	4.4
GB2020L	20 Gal. Lid	1	1.21	.55	.30
GB2020L-6	20 Gal. Lid ( 6 Pack )	6/1	9.47	4.3	1.75

#### 20 GALLON MOBILE Container - 22½” H x 9¼” Dia.

GB2020G-MO	20 Gal. Cont. Combo w/5 wheels	1	8.18	3.71	4.4
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#### 32 GALLON Container – 27½” H x 22” Dia.

Product Code	Description	Pack Qty.	Pack Wt. lb(s).	Pack Wt. KG	Pack Cube/ft.
GB3232	32 Gal. Container	1	8.35	3.8	8.38
GB3232L	32 Gal. Lid	1	1.76	8	.38
GB3232L-6	32 Gal. Lid ( 6 Pack )	6/1	13.0	5.9	2.2

#### 32 GALLON MOBILE Container - 27½” H x 22” Dia.

GB3232G-MO	32 Gal. Cont. Combo w/5 wheels	1	10.45	4.74	8.37
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#### 44 GALLON Container – 31½” H x 24” Dia.

Product Code	Description	Pack Qty.	Pack Wt. lb(s).	Pack Wt. KG	Pack Cube/ft.
GB4444	44 Gal. Container	1	13.0	5.9	11.57
GB4444L	44 Gal. Lid	1	2.24	1.1	.56
GB4444L-6	44 Gal. Lid ( 6 Pack )	6/1	13.44	7.8	3.16

#### 44 GALLON MOBILE Container - 31½” H x 24” Dia.

GB4444G-MO	44 Gal. Cont. Combo w/5 wheels	1	14.99	6.8	11.57
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#### DOLLY

Product Code	Description	Pack Qty.	Pack Wt. lb(s).	Pack Wt. KG	Pack Cube/ft.
GB4000D	Dolly for 20 Gal., 32 Gal., 44 Gal.	2/1	11.9	5.4	1.73
MA909-G	Dolly Wheels (5 per set) (sold individually w/locknut)	1	.48	.22	.01

#### GLADIATOR CONTAINER WHEELS

Product Code	Description	Pack Qty.	Pack Wt. lb(s).	Pack Wt. KG	Pack Cube/ft.
MA909-G	Dolly Wheels (5 per set) (sold individually)	1	.48	.22	.01

#### CADDY

Product Code	Description	Pack Qty.	Pack Wt. lb(s).	Pack Wt. KG	Pack Cube/ft.
GB4001	Caddy for 20, 32 and 44 Gal. Container 20” x 20.5” height	1	1.54	.7	.21



Lid



Caddy



Dolly



Caster

Marino



## Mopping Equipment

### Side Press Buckets and Wringers

#### SMOOTH EASY TO CLEAN SIDEPRESS WRINGER

- The durable stain resistant one-piece construction is easy to clean and sanitize and does not provide a breeding ground for bacteria.
- Eliminate the need to stock various sized wringers. The Marino SidePress wringer is designed to effectively wring all wet mops from 12 oz to 32 oz

Marino SidePress Bucket and Wringer Combos are designed to meet the demanding requirements of the most sanitary environments at a fraction of stainless steel cost.

#### SIDEPRESS BUCKET & WRINGER COMBO

Product Code	Description	Pack Qty.	Pack Wt. lb(s).	Pack Wt. KG	Pack Cube/ft.
MA1133	26-32 Qt. Bucket & Sidepress 1132 SD Wringer Combo (Yellow Only)	1	18.0	8.2	2.7


**Marino**

### Metal Frame Floor Squeegees

- Heavy metal frames are zinc plated, therefore corrosion resistant and feature a built-in scraper designed for removal of stubborn stains.
- Durable white non-marking blades are secured in place with sturdy rust resistant screws.
- All floor squeegees use tapered handles, #354T or #360T, depending on choice of lengths, handle sold separately.
- These heavy-duty floor squeegees are designed for universal use. Ideal for all industries, professional and commercial.
- Replacement blades sold separately



#### FLOOR SQUEEGEE W/STEEL FRAME (HANDLE NOT INCLUDED)

Product Code	Description	Pack Qty.	Pack Wt. lb(s).	Pack Wt. KG	Pack Cube/ft.
FS 55618	18" Grey/White PVC Complete Head	2	.5	2.27	.36
FS 55624	24" Grey/White PVC Complete Head	2	5.8	2.64	.36
FS 55630	30" Grey/White PVC Complete Head	2	7.4	3.36	.53
FS 55636	36" Grey/White PVC Complete Head	2	8.8	4.0	.53
FS 55618-10	18" Grey/White PVC Complete Head	10	23.7	10.55	1.42
FS 55624-10	24" Grey/White PVC Complete Head	10	28.8	13.0	1.87
FS 55630-10	30" Grey/White PVC Complete Head	10	35.8	16.3	2.85
FS 55636-10	36" Grey/White PVC Complete Head	10	42.2	19.18	2.85

#### CURVED SQUEEGEE

Product Code	Description	Pack Qty.	Pack Wt. lb(s).	Pack Wt. KG	Pack Cube/ft.
FS 55724	24" Grey/White PVC Complete Head (curve)	10	3.0	1.36	26.42
FS 55736	36" Grey/White PVC Complete Head (curve)	10	3.99	1.81	35.21

#### REPLACEMENT BLADES FOR FLOOR SQUEEGEE - STRAIGHT AND CURVED

Product Code	Description	Pack Qty.	Pack Wt. lb(s).	Pack Wt. KG	Pack Cube/ft.
FS 556R18	18" Grey/White PVC Refills	10	.07	0.03	.1
FS 556R24	24" Grey/White PVC Refills	10	.07	0.03	.1
FS 556R30	30" Grey/White PVC Refills	10	.09	0.04	.1
FS 556R36	36" Grey/White PVC Refills	10	.11	0.05	.1



## Coolers and Accessories

Rubbermaid

### Insulated Cold Beverage Containers

Keeps beverages cold for hours.

- Durable polyethylene material for crack-resistance and long life.
- Recessed spigot and convenient carry handles.



10 gal



5 gal



3 gal

Item No.	Description	Height	Diameter	Volume Capacity
161001	Insulated Beverage Container Orange	23-1/2" (59.7cm)	15-5/8" (39.7cm)	10 gal.
168301	Insulated Beverage Container Orange	16-3/4" (42.5cm)	10-7/8" (27.6cm)	3 gal.
168501	Insulated Beverage Container Orange	18-3/4" (47.6cm)	12-1/2" (31.8cm)	5 gal

### Truck Mounting Bracket

- Designed specifically for Rubbermaid water coolers.
- Durable, weather-resistant construction.
- Horizontal mounting.

Item No.	Description	Size	Color
164002	Mounting Unit	8"x13"x12.5" (20.3x33.0x31.8cm)	Black



### Cup Dispenser

Item No.	Description	Size	Color
8257UN-82	Cup Dispenser	-	White

### 4 oz. Paper Cups

- Designed specifically for Rubbermaid water coolers.

Item No.	Description	Size	Color
1634	Cone Paper Cup Refill	4 oz. (.118 L)	White

