

# JEANNETTE

Your Link to Quality, Strength,  
and Service Since 1917.

Custom Lifting  
Solutions



 **PEERLESS**  
INDUSTRIAL GROUP

 **PEERLESS**  
AN ISO 9001 CERTIFIED COMPANY  
JEANNETTE





WEISSENFELS USA



[www.peerlesschain.com](http://www.peerlesschain.com)



[www.chainusa.com](http://www.chainusa.com)

## The One Stop Source for Everything Custom.

Peerless-ACCO is the only domestic chain manufacturer to have its own industrial sling center and custom lifting device facility such as Jeannette. Over 20 skilled craftsmen are employed at this facility, just 30 minutes southeast of Pittsburgh. Jeannette not only manufactures and repairs welded slings (up to and including 2" chain) and Kuplex mechanical slings, but also utilizes three full-time blacksmiths to manufacture custom hooks, slings and virtually any type of below-the-hook overhead lifting device. Jeannette has a state-of-the-art CAD system for use in designing an endless array of special overhead lifting devices. The alloy steel welding capabilities for master links and magnet chain assemblies are unlimited.

Jeannette uses the latest technologies, including automated flash welders and trimmers. All of our slings are heat treated in our sophisticated batch heat furnace (most sling repair centers use single link heat treating only) which ensures the entire sling has been consistently hardened to Peerless-ACCO specifications.

### Capabilities

Jeannette's capabilities extend beyond just production of Custom Lifting Devices as we offer the following Services and Support Materials as well.

**Inspection:** Every master link, chain link and hook is checked for excess wear, nicks, gouges, deformation and stretch. Components needing replacement are marked and sent to the appropriate department for repair. Each chain sling goes through eight or more inspections before it is returned to you.

**Repairing:** The repair section removes worn, damaged, stretched or deformed chain sling components and replaces them. All repaired components are replaced with the same high quality material and specifications as the original.

**Heat Treating:** The chain sling is again inspected after all repairs are made and before it is sent on to heat treating. Carefully controlled heating, quenching and tempering produces slings having the same high tensile strength as the original.

**Proof Testing to 1,200,000 lbs:** The complete chain sling assembly is placed on hydraulic proof testing equipment. Here a load is gradually applied under direct tension, over the chain sling's full length until the proof load, in pounds, is reached. After proof testing, the sling is again thoroughly inspected.

**Recertifying:** Each chain that has been reconditioned at Jeannette is restored to its original condition and recertified. The metal tag that identifies each chain sling is restamped with the sling's rated working load limit, chain size, reach and grade. In short order, the chain sling is returned to you complete with a signed test certificate attesting that the sling has been proof tested and meets its original standards.

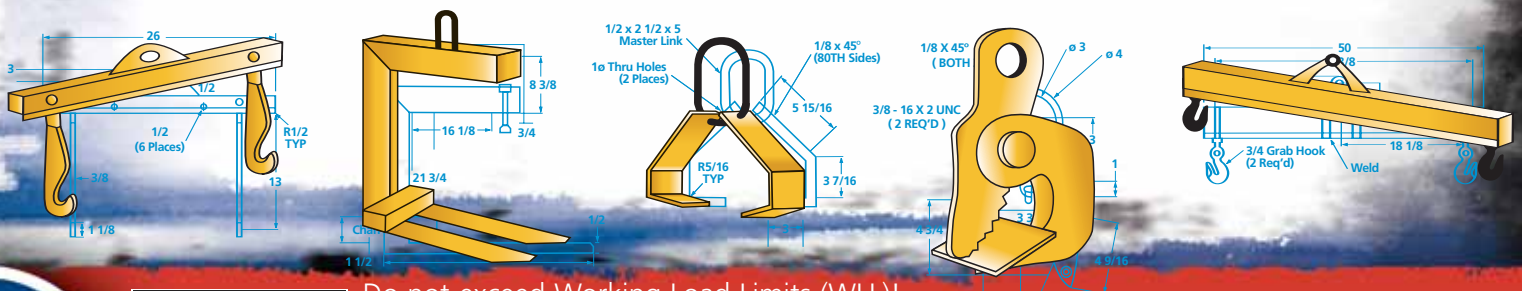
**Chain Sling Inspection:** Jeannette employs one full-time employee who works throughout the country, keeping end users in compliance with OSHA regulations and offering assistance in solving their overhead lifting problems.

**Safety Seminars:** Our Peerless-ACCO District Managers are able to provide end users support by conducting safety seminars and application analysis. From a 30 minute Power Point to a 3-hour comprehensive safety seminar...we have you covered.

### Support Materials:

- Riggers Manual
- Working Load Limit Wall Charts
- Jeannette Background on VHS & DVD
- Chain Gauges
- OSHA 1910.184 - specific portion pertaining to overhead lifting
- Engineering & Design Assistance Available

Ask about our hard-hat sticker



**WARNING**

Do not exceed Working Load Limits (WLL)! See the "Cautions and Warnings" section before using these products. Pages 13-15.



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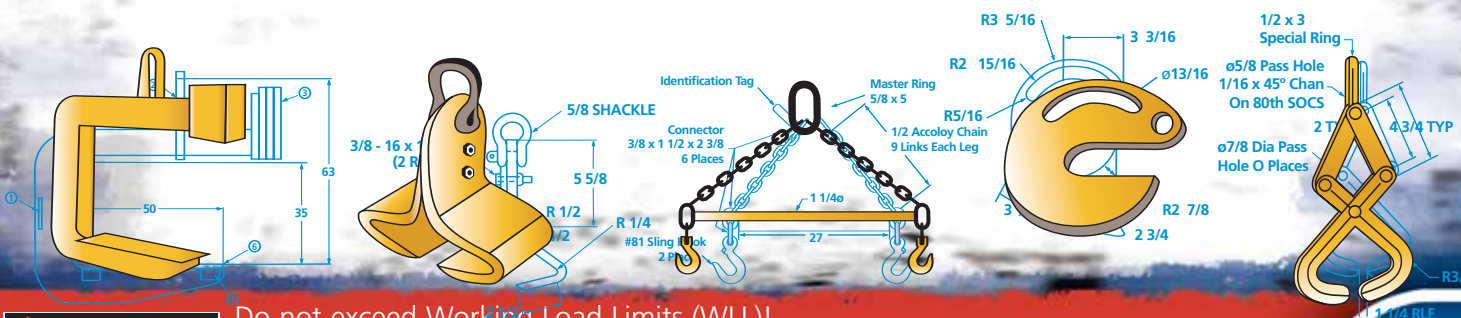
## JEANNETTE a plant dedicated to custom lifting applications

### Products Available:

- |                       |                           |                        |
|-----------------------|---------------------------|------------------------|
| 'S' Hooks             | OEM Assemblies            | Door Lifting Chains    |
| 'J' Hooks             | Normalized Chain Slings   | 'D' Link Rings         |
| 'C' Hooks             | (with 1008 & 1018 Links)  | Grab Links             |
| 'L' Hooks             | Crack Links               | Brake Chains           |
| Mold Hooks            | Plate Hooks               | Pear Shaped Links      |
| Core Hooks            | Lifting Tongues           | Magnet Bails           |
| Die Hooks             | Pallet Lifting Assemblies | Winch Line Tail Chains |
| Lifting Slab Shackles | Die Pins                  |                        |
| Box Hooks             | Slab Lifting Chains       |                        |
| Master Links          | Stirrup Hooks             |                        |



# PEERLESS ACCO



Do not exceed Working Load Limits (WLL)! See the "Cautions and Warnings" section before using these products. Pages 13-15.

# Peerless-ACCO Grade 80 & 100 Alloy Chain

Phone: 800-395-2445 • Fax: 800-997-3192

Welded Alloy Chain Slings are fabricated at our Jeannette facility to meet your specific lifting needs. Every welded chain sling is registered and documented for inspection should the chain sling require repair. One of the major components of our chain slings is the Peerless-ACCO alloy chain. Welded Alloy Chain Slings are available with special attachments such as Plate Hooks, "J"- Hooks' Lifting Tongs, Shackles, Spreader Bars and more.

Peerless-ACCO alloy chain is rugged, versatile, high-strength, low-weight chain manufactured from special analysis alloy steel. It is quenched and tempered before proof testing and the ultimate tensile strength is over twice that of ordinary steel chain. Tensile strength following heat treatment meets or exceeds all existing OSHA, Government, NACM and ASTM specification requirements.

## Specifications: Grade 80 & 100 Alloy Chain-NACM

Size		Working** Load Limit		Nominal Material Dia.		Nominal Inside Length		Minimum Inside Width		Max Weight	
Grade 80 P8A(mm) & PA8(in.)*	Grade 100 PA10 (in.)	Grade 80 P8A & PA8* (lbs.)	Grade 100 PA10 (lbs.)	Grade 80 P8A & PA8 (in.)*	Grade 100 PA10 (in.)	Grade 80 P8A & PA8 (in.)*	Grade 100 PA10 (in.)	Grade 80 P8A & PA8 (in.)*	Grade 100 PA10 (in.)	Grade 80 P8A & PA8 (lbs/100ft)*	Grade 100 PA10 (lbs/100ft)
7mm	9/32"	3,500	4,300	0.274	0.279	0.827	0.870	0.405		71.2	77.0
8mm	5/16"	4,500	5,700	0.311	0.342	0.945	1.010	0.480		91.4	112.0
10mm	3/8"	7,100	8,800	0.392	0.404	1.182	1.226	0.560		147.4	152.0
13mm	1/2"	12,000	15,000	0.510	0.529	1.535	1.570	0.750		247.8	278.7
16mm	5/8"	18,100	22,600	0.630	0.625	1.890	1.930	0.865		362.3	374.0
3/4"		28,300		0.781		2.420		1.140		574.5	
7/8"		34,200		0.906		2.660		1.260		766.6	
1"		47,700		1.032		2.900		1.420		1010.0	
1-1/4"		72,300		1.250		3.500		1.750		1550.0	

\*Grade 80 alloy chain sizes up to and including 5/8" are stamped "P8A" and sizes 3/4" and above are stamped "PA8". \*\*Caution: Do not exceed Working Load Limits (WLL)! Peerless Chain does not accept any liability for damages which may result from chain used in excess of working load limits.

**Grade 80  
Embossed  
"PA8"  
or "P8A"**



## Full & Half Drums - Grade 80 & 100

Size	Ft. Per Drum	Drum Size	P8A & PA8 Grade 80	PA10 Grade 100
9/32"	400	Half	5050224	5510224
	800	Full	5050223	5510223
5/16"	250	Half	5050324	5510324
	500	Full	5050323	5510323
3/8"	250	Half	5050424	5510424
	500	Full	5050423	5510423
1/2"	150	Half	5050624	5510624
	300	Full	5050623	5510623
5/8"	200	Full	5050823	5510823
3/4"	100	Full	5050923	
7/8"	100	Full	5051023	
1"	50	Full	5051123	
1-1/4"	66	Full	5051223	

**Grade 100  
Embossed  
"PA10"**



**WARNING**

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# Larger Diameter Alloy Chain

Phone: 800-395-2445 • Fax: 800-997-3192

## Peerless-ACCO Now Brings You the Largest Selection of Alloy Chain Ever

Now, from the leader in small to medium diameter alloy chain, comes our newest, and biggest addition to the family; 1-1/2", 1-3/4" and 2" alloy chain for overhead lifting. When we developed our revolutionary 8 step manufacturing process, we didn't make any compromises, our goal was to give you the best quality large diameter chain on the market today. That's why we've incorporated technology advances such as flash welding - the best and most consistent way to weld chain today - But it doesn't stop there, great chain is a function of design as well. You'll find the strength enhancing features of triple alloy with nickel, chromium, molybdenum and links with a single weld.

When you consider all of these enhancements, plus the assurance of proof testing and certification, you'll realize that the large diameter alloy chain is tough enough to handle any lifting application.

### 1-1/2, 1-3/4 and 2" Diameter Chains

Large diameter chain with impressive lifting ranges of 100,000 to 454,600 lbs. (3 and 4 leg slings). It can be used for virtually any heavy lifting application. We can also add custom lifting components designed and built to your specifications at Jeannette.

### 4 to 1 Safety Factor

Behind every Peerless-ACCO product is an unparalleled commitment to Safety. Each chain is designed with a 4:1 safety factor, before it is shipped to you, it is proof tested and certified by Peerless-ACCO technicians.

### Single Flash Weld

One of the most important steps in the manufacturing process. That's why each link is individually welded with the best welding technology available today - flash welding. Jeannette's new large diameter chains also feature a single weld for maximum strength and durability.

### Peerless-ACCO's Revolutionary 8 Step Manufacturing Process Leaves No Room for Error.



**Steel rods fired in furnace**  
Jeannette's furnace is capable of heating 2 inch diameter steel in about 15 minutes, much faster than conventional furnaces, to ensure quick turnaround times for your order



**Rods are bent to form chain links**  
Skilled craftsmen bend rods into precise shapes. Each link is made from one continuous piece of metal, a key factor in making a stronger chain



**Single flash weld**  
A single flash weld on each link produces the finest type of weld in the industry. It actually forces out the impurities in the metal while making a weld.



**Trimming the Weld**  
This removes all excess materials left behind from the welding process. It gives you a smooth finish link with added safety features by limiting obstructions.



**Heat Treating**  
Chain links are heated to high temperature, then quenched to strengthen the properties of the metal, which give you a stronger chain



**Wheelabrator**  
After heat treating, the scale is removed in the wheelabrator, which tumbles the chain to a uniform, clean finish.



**Proof Testing**  
After the chain is fabricated, Jeannette technicians proof test the chain to twice the recommended work load so you can feel confident when using it in the field



**Certification**  
After proof testing each chain is tagged with the recommended working load limit, date, serial number, and reach. We follow standards established by NACM and OSHA



**WARNING**

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# Welded Alloy Chain Slings

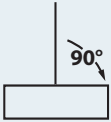
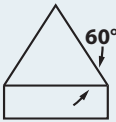
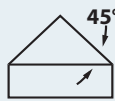
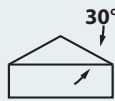
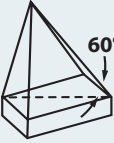
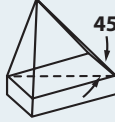
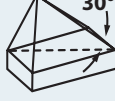
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## General Information

### Work Load Limits

This table gives the working load limits of Grade 80 & Grade 100 Alloy chain in one, two, three and four leg styles. Use this table as a guide to determine which chain sizes and leg styles are best for your requirements. Using the maximum load (or loads) you will lift, and the angle of lift required – work to the left across this table to determine proper chain size for your sling. Working load limit of the chain and components is established as pounds applied at the indicated degrees from horizontal.

### Working Load Limits Specifications

Size	Single Leg Sling	Double Leg Sling			Triple and Quad Leg Sling		
							
<b>Grade 80</b>							
9/32"	3,500	6,100	4,900	3,500	9,100	7,400	5,200
3/8"	7,100	12,300	10,000	7,100	18,400	15,100	10,600
1/2"	12,000	20,800	17,000	12,000	31,200	25,500	18,000
5/8"	18,100	31,300	25,600	18,100	47,000	38,400	27,100
3/4"	28,300	49,000	40,000	28,300	73,500	60,000	42,200
7/8"	34,200	59,200	48,400	34,200	88,900	72,500	51,300
1"	47,400	82,600	67,400	47,700	123,900	101,200	71,500
1-1/4"	72,300	125,200	102,200	72,300	187,800	153,400	108,400
1-1/2"*	100,000	173,200	141,400	100,000	259,800	212,100	150,000
1-3/4"*	131,250	227,300	185,600	131,250	341,000	278,400	196,900
2"*	175,000	303,100	247,500	175,000	454,600	371,200	262,500
<b>Grade 100</b>							
9/32"	4,300	7,500	6,100	4,300	11,200	9,100	6,450
3/8"	8,800	15,200	12,400	8,800	22,800	18,600	13,200
1/2"	15,000	26,000	21,200	15,000	39,000	31,800	22,500
5/8"	22,600	39,100	32,000	22,600	58,700	47,900	33,900

\*Large diameter chain manufactured at our Jeannette facility.

Peerless ACCO combine to offer a broad range of quality ALLOY FORGING options.

**"KUPLEX II"** and **"Accoloy"** are premium domestic forgings available in Grade 80 and 100 with sizes through 1-1/4". The Kuplex II forgings provide a simple pin and clevis attachment for convenient assembly while the Accoloy forgings provide a more conventional eye type attachment. All Kuplex II and Accoloy forgings are manufactured to rigid quality standards and are compatible with all Peerless-ACCO alloy chains. Provided in a self-colored finish.

**"Peer-Alloy"** and **"V10"** are European forgings available in Grade 80 and 100 in sizes through 1-1/4" with both clevis and eye styles.

**"Peer-Lift"** Grade 80 forgings are available in sizes through 5/8" in clevis or eye styles.

**See our Peerless-ACCO Industrial Catalog for more information:**

Mechanical Slings can be constructed using any of the Peerless and ACCO forgings. All forgings are compatible with Peerless-ACCO alloy chains and component certs are provided with each attachment plus blank I.D. tags are readily available.



**WARNING**

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# Welded Alloy Chain Slings

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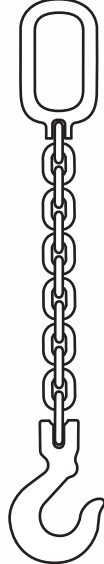
## Types of Chain Slings

Welded



DOS shown

Mechanical



SOS Shown

### Attachments

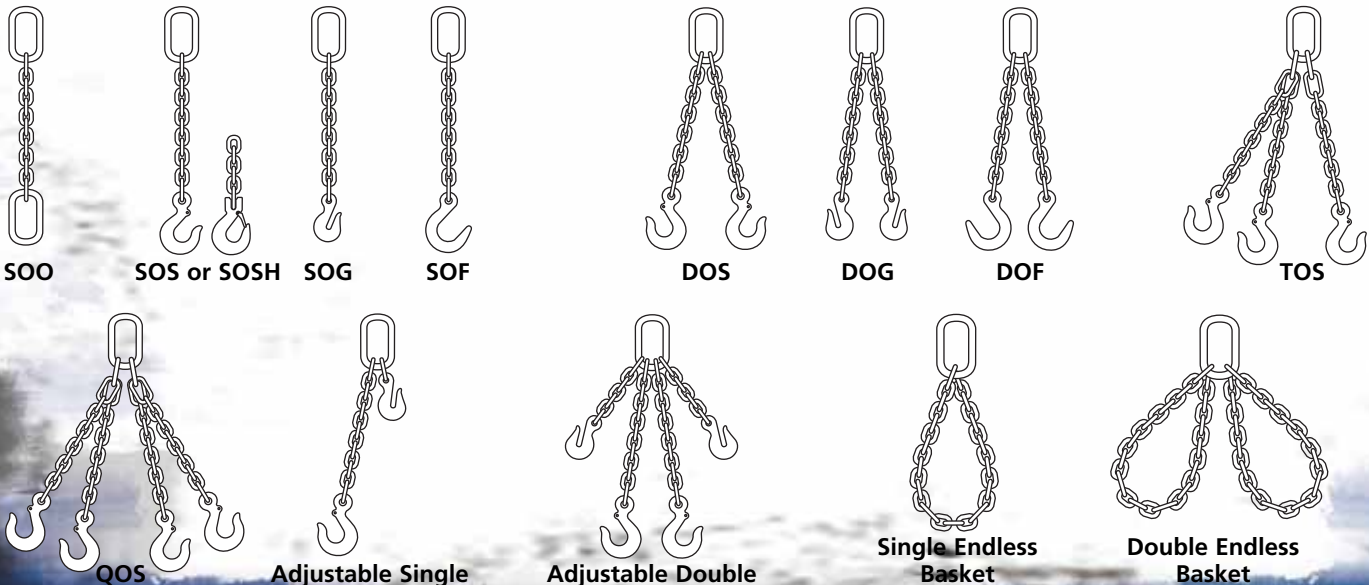
Type	One End	Opposite End
<b>Single Chain Slings</b>		
SOS	Oblong Link	Sling Hook
SOG	Oblong Link	Grab Hook
SGS	Grab Hook	Sling Hook
SGG	Grab Hook	Grab Hook
SSS	Sling Hook	Sling Hook
SOF	Oblong Link	Foundry Hook
SOO	Oblong Link	Oblong Link
<b>Double Chain Slings</b>		
DOS	Oblong Link	Sling Hooks
DOG	Oblong Link	Grab Hooks
DOF	Oblong Link	Foundry Hooks
<b>Triple Chain Slings</b>		
TOS	Oblong Link	Sling Hooks
TOG	Oblong Link	Grab Hooks
TOF	Oblong Link	Foundry Hooks
<b>Quadruple Chain Slings</b>		
QOS	Oblong Link	Sling Hooks
QOG	Oblong Link	Grab Hooks
QOF	Oblong Link	Foundry Hooks

### How to Order

The following information should be given on orders or inquires for chain slings.

- 1. SIZE:** This is specified by the size of the material from which the chain is made, determined by working load limit required.
- 2. REACH:** This is the length, including attachments, measured from bearing point to bearing point.
- 3. TYPE:** Select and specify proper type of sling from list shown. Examples: S = single; O = oblong link; S = sling hook
- 4. ATTACHMENTS:** Unless otherwise specified standard master links as given herein will be used. When other than standard master links or hooks are required, we should be given a complete description or a drawing of the requested substitute.

When hot galvanizing is specified our recommended working load limits must be reduced. Please contact us with all such inquiries.



**WARNING**

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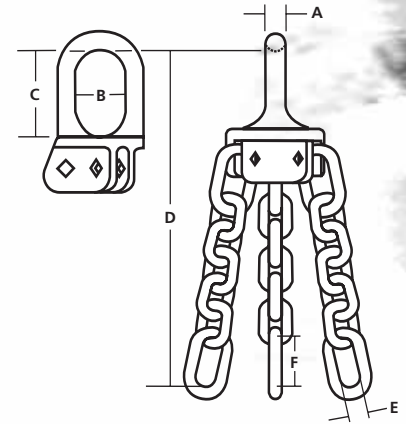
# Magnet Chains

Phone: 800-395-2445 • Fax: 800-997-3192

## Accoloy® Steady-Lift Magnet Chains (3 point suspension)

**Eliminates Costly Down Time With Lift After Lift, Built-In Dependability.**

- **Ease of Use** - Designed so bail stands up while chain rests on floor, there is no wrestling with the bail for hook-up.
- **Balanced Loading** - Three point suspension offers superior stability.
- **Wearability** - Engineered and built for increased service life, with heat treated bail, pins, alloy chain and end links.
- **Less Down Time** - Easy inspection, replaceable pins, legs and bail mean more time on the job and fewer off-site repairs.



### Replacement Parts

Magnet Chain Size	Pin	Leg	Yoke
1"	537101630	537101620	537101610
1-1/4"	537102030	537102020	537102010

### Specifications - Dimensions in Inches

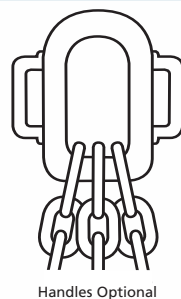
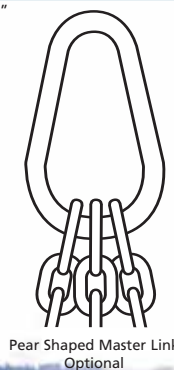
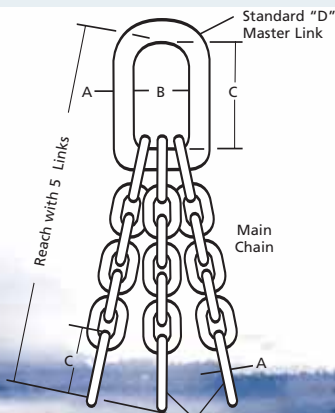
Stock No.	Size of Chain	WLL Lbs.	No. of Links	A Mtl. Dia.	B Yoke Wth.	C Yoke Lgh.	D Vert. Reach	E End Link Wth.	F End Link Lgh.	G End Link Dia.	Comp. Assy. Wt. Lbs.	Yoke Wt. Lbs.	Chain Leg. Wt. Lbs.	Pin Wt. Lbs. Ea.	Magnet Diameter In.
537101600	1"	100,000	5	2-1/4"	7"	12"	3'-7"	3"	7"	1-1/4"	235	125	31	5.0	up to 60
537102000	1-1/4"	150,000	7	2-1/2"	7"	12"	4'-7"	3"	7"	1-1/2"	375	180	60	5.5	60 and over

## Accoloy® Standard Magnet Chains

### Specifications

Stock No.	Chain Size		WLL Lbs. at 60°	Master Link			Oblong Link			5 Link Reach In.	Magnet Diameter In.
				A Dia. Mtl. In.	B Inside Width In.	C Inside Length In.	A Dia. Mtl. In.	B Inside Width In.	C Inside Length In.		
	In.	mm									
537301000	5/8	16	47,000	1-3/4	6	10	7/8	2-1/4	5-1/2	30-5/8	up to 40
537301200	3/4	20	73,500	2	6	10	1	2-1/2	6	34	up to 45
537301400	7/8	22	88,900	2-1/4	6-1/2	11-1/2	1	2-1/2	6	36-7/8	up to 48
537301600	1	26	123,900	2-1/4	6-1/2	11-1/2	1-1/4	3	7	40	up to 60
537302000	1-1/4	32	187,800	2-1/2	6-1/2	12-3/4	1-1/2	3	7	45-1/2	60 and over

Call for 7, 9, and 11 link reaches. Special order reaches available.





# Custom Lifting Devices

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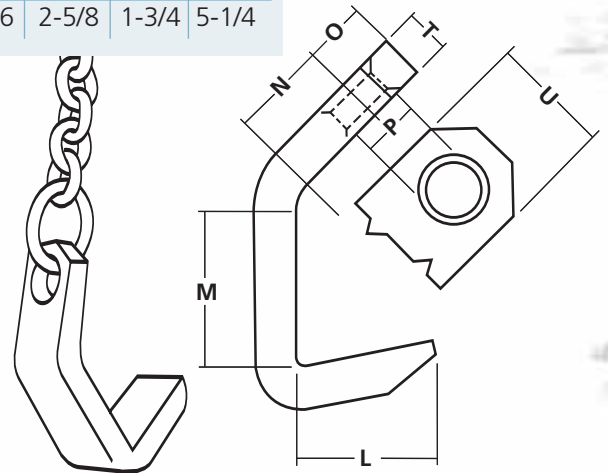
## Accoloy® Plate Hooks

Accoloy Plate Hooks are designed for the most popular chain sizes - 9/32", 3/8", 1/2", 5/8" and 7/8". They are proof tested to the same values as the corresponding chain - therefore, the same working load limit applies.

Fabricated from alloy steel, Plate Hooks can be furnished on Welded Chain Slings as well as with various chain assemblies. Accoloy Plate Hooks are intended for use in handling plates, flats and structurals.

### Specifications

Stock Number	Size of Chain		WLL Lbs.	Wt. Each Lbs.	Dimensions-Inches							
	In.	mm			L	M	N	O	P	T	U	
593400400	9/32	7	3,500	2.4	2	2	1-1/2	13/16	7/8	3/4	2	
593400600	3/8	10	7,100	4.6	2-5/8	3	1-7/8	1-1/16	1-1/8	3/4	2-1/4	
593400800	1/2	13	12,000	10.6	3-1/2	4	2-1/2	1-3/8	1-1/2	1	3	
593401000	5/8	16	18,100	20.7	4-3/8	5	3-1/8	1-3/4	1-7/8	1-1/4	3-3/4	
593401200	3/4	20	28,300	36.7	5-3/16	6	3-3/4	2-1/8	2-1/2	1-1/2	4-1/2	
593401400	7/8	22	34,200	52.6	6	7	4-1/2	2-7/16	2-5/8	1-3/4	5-1/4	

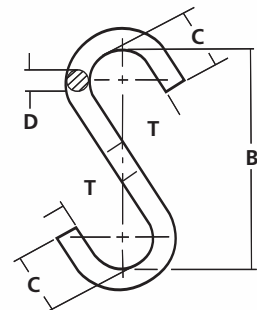


## Accoloy® S-Hooks

Alloy "S" Hooks for use on overhead parts painting and processing conveyor systems and many other material handling requirements. Working Load Limit and "A", indicating alloy steel, are stamped on each hook. Custom sizes are available upon request.

### Specifications

Stock Number	Size Inches	WLL Lbs.	Wt. Each Lbs.	Dimensions			
				D	B	T	C
593300600	3/8	430	.28	3/8"	4-1/8"	1-1/8"	1-1/8"
593300800	1/2	770	.63	1/2"	5-1/2"	1-1/2"	1-1/2"
593301000	5/8	1,200	1.3	5/8"	7"	1-7/8"	1-7/8"
593301200	3/4	1,700	2.1	3/4"	8-1/4"	2-1/4"	2-1/4"
593301400	7/8	2,300	3.4	7/8"	9-5/8"	2-5/8"	2-5/8"



**WARNING**

Do not exceed Working Load Limits (WLL)! See the "Cautions and Warnings" section before using these products. Pages 13-15.

# Custom Master Links

Phone: 800-395-2445 • Fax: 800-997-3192

## Built to Specification: Small to Oversized Links

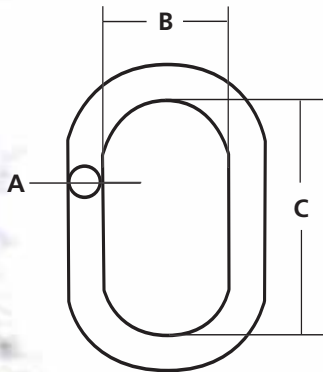
Forged and welded from material up to **6 inches** in diameter. Magnet chain D-link and oblong link (shown), pear shape, rings and other shapes available.

*Forming Red Hot D Link from 2" Material for Magnet Chain Master Link.*



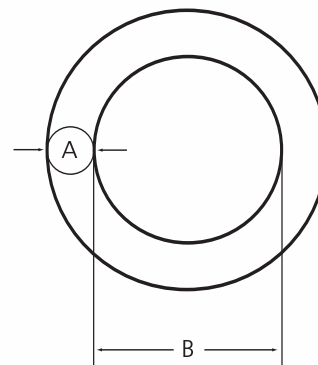
## Custom Link Capabilities

- 6" diameter Largest Master link
- Magnet Bails (D-Links)
- Grab Links
- Oblong Master Links
- Pear Shaped Links
- Rings



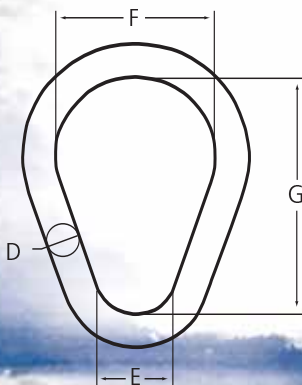
### OBLONG

A \_\_\_\_\_  
 B \_\_\_\_\_  
 C \_\_\_\_\_  
 CAP. \_\_\_\_\_



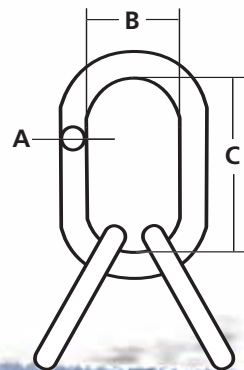
### RING

A \_\_\_\_\_  
 B \_\_\_\_\_  
 CAP. \_\_\_\_\_

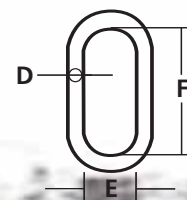


### PEAR

D \_\_\_\_\_  
 E \_\_\_\_\_  
 F \_\_\_\_\_  
 G \_\_\_\_\_  
 CAP. \_\_\_\_\_



### SUB - ASSEMBLY



A \_\_\_\_\_  
 B \_\_\_\_\_  
 C \_\_\_\_\_  
 D \_\_\_\_\_  
 E \_\_\_\_\_  
 F \_\_\_\_\_  
 CAP. \_\_\_\_\_



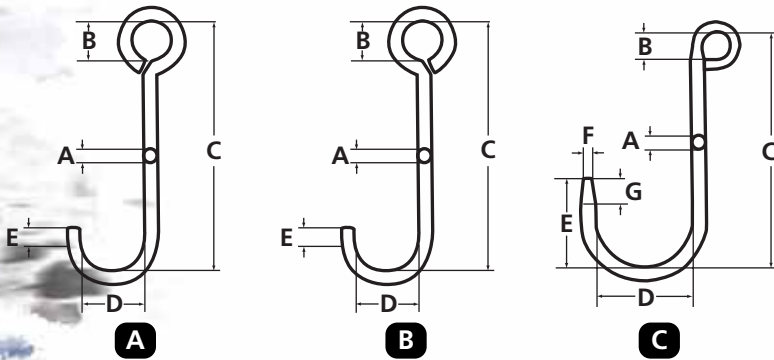
**WARNING**

Do not exceed Working Load Limits (WLL)! See the "Cautions and Warnings" section before using these products. Pages 13-15.

# Custom Lifting Devices

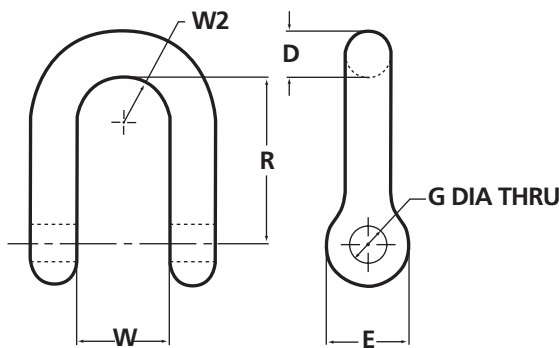
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## J Hooks



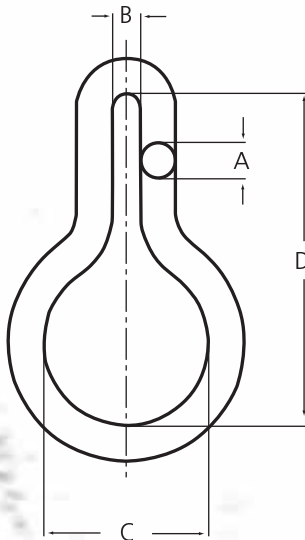
A \_\_\_\_\_  
 B \_\_\_\_\_  
 C \_\_\_\_\_  
 D \_\_\_\_\_  
 E \_\_\_\_\_  
 F \_\_\_\_\_  
 G \_\_\_\_\_  
 Style \_\_\_\_\_  
 Capacity \_\_\_\_\_

## Shackle



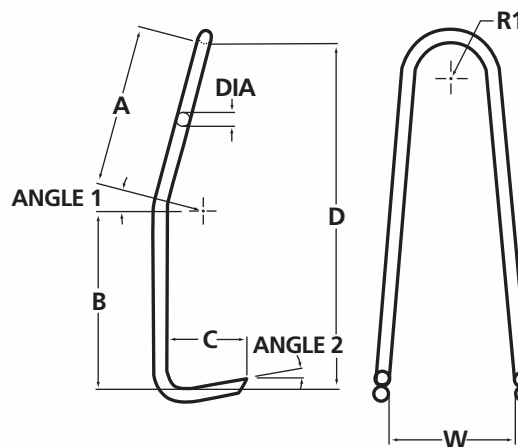
D \_\_\_\_\_  
 G (Dia thru) \_\_\_\_\_  
 E \_\_\_\_\_  
 H \_\_\_\_\_  
 W \_\_\_\_\_  
 W2 \_\_\_\_\_  
 Capacity \_\_\_\_\_

## Grab Link

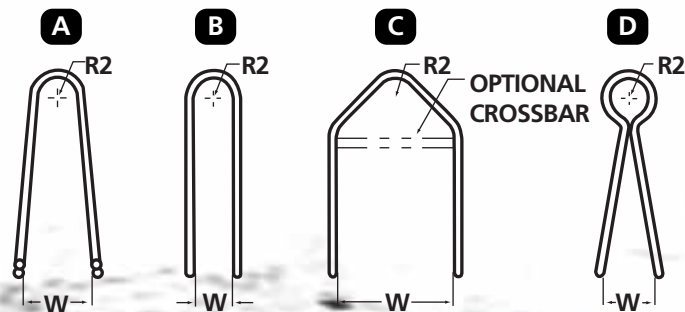


A \_\_\_\_\_  
 B \_\_\_\_\_  
 C \_\_\_\_\_  
 D \_\_\_\_\_  
 Capacity \_\_\_\_\_

## Stirrup Hook



A \_\_\_\_\_  
 B \_\_\_\_\_  
 C \_\_\_\_\_  
 D \_\_\_\_\_  
 Angle 1 \_\_\_\_\_  
 Angle 2 \_\_\_\_\_  
 Dia \_\_\_\_\_  
 R1 \_\_\_\_\_  
 W \_\_\_\_\_  
 Style \_\_\_\_\_  
 Capacity \_\_\_\_\_



**WARNING**

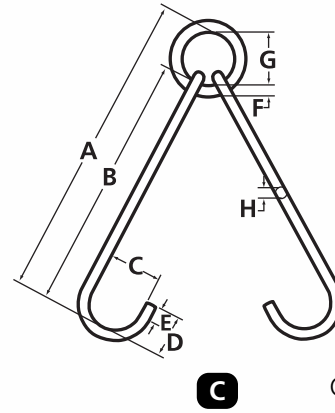
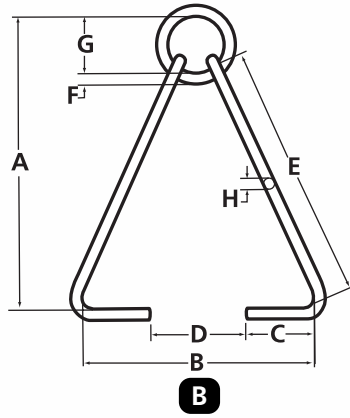
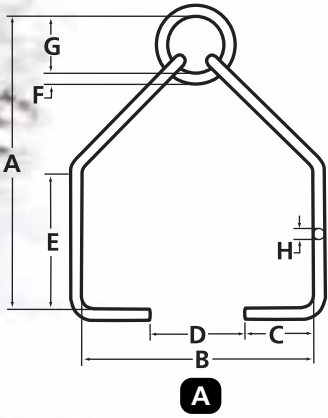
Do not exceed Working Load Limits (WLL)!  
 See the "Cautions and Warnings" section before using these products. Pages 13-15.

# Custom Lifting Devices

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## Hook & Ring Assemblies:

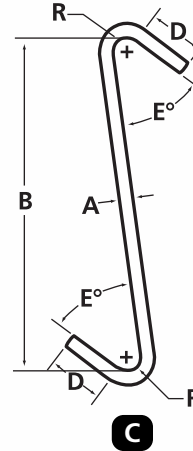
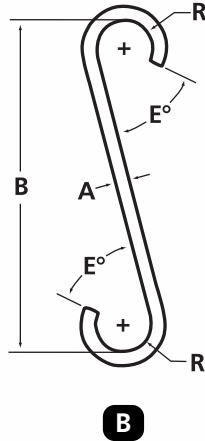
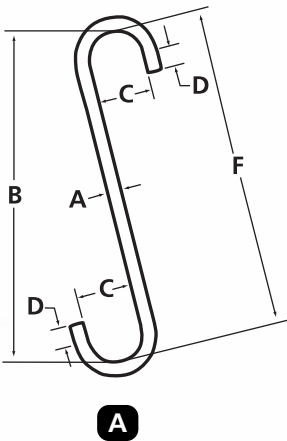
Style (circle one A B C)



- A \_\_\_\_\_
- B \_\_\_\_\_
- C \_\_\_\_\_
- D \_\_\_\_\_
- E \_\_\_\_\_
- F \_\_\_\_\_
- G \_\_\_\_\_
- H \_\_\_\_\_
- I \_\_\_\_\_
- Capacity \_\_\_\_\_

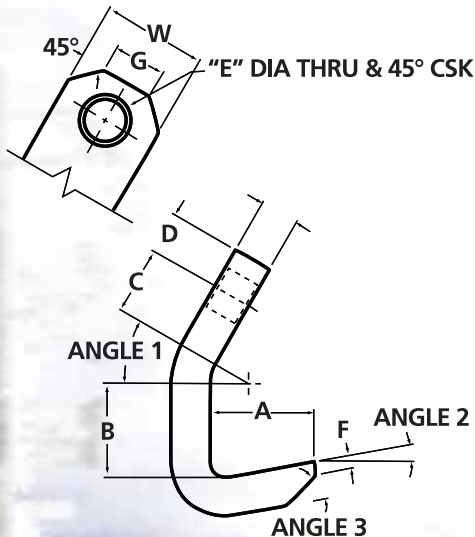
## S-Hooks

Style (circle one A B C)



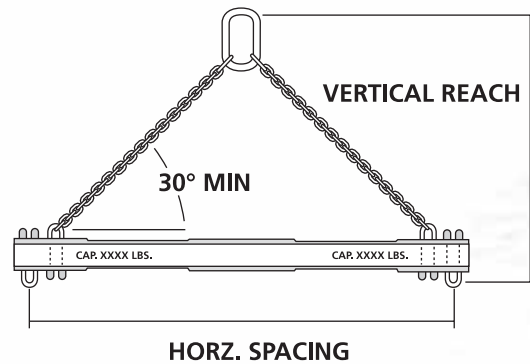
- A \_\_\_\_\_
- B \_\_\_\_\_
- C \_\_\_\_\_
- D \_\_\_\_\_
- E \_\_\_\_\_
- F \_\_\_\_\_
- R \_\_\_\_\_
- Capacity \_\_\_\_\_

## Plate Hook



- A \_\_\_\_\_
- B \_\_\_\_\_
- C \_\_\_\_\_
- D \_\_\_\_\_
- E \_\_\_\_\_
- F \_\_\_\_\_
- G \_\_\_\_\_
- Angle 1 \_\_\_\_\_
- Angle 2 \_\_\_\_\_
- Angle 3 \_\_\_\_\_
- Capacity \_\_\_\_\_

## Spreader Beams



- Horizontal Spacing \_\_\_\_\_
- Vertical Reach \_\_\_\_\_
- Capacity \_\_\_\_\_



**WARNING**

Do not exceed Working Load Limits (WLL)! See the "Cautions and Warnings" section before using these products. Pages 13-15.

# Cautions & Warnings

Phone: 800-395-2445 • Fax: 800-997-3192

## General Safety Guidelines

Peerless Industrial Group, as a manufacturer of chain, can only control the specifications of our chain products in accordance with industry and governmental standards for chain manufacturing. It would be impossible for any warning to contain all of the possible misapplications associated with the use of Peerless Industrial Group products. Our warnings are intended to identify only those risks which are most common. The responsibility and understanding of the proper safe use and application of the products in our catalog, ultimately rest with the end user. We are not responsible for the end user's assembly in which our chain may be used. Failure of the product can occur due to misapplication, abuse, intentional alteration or improper maintenance. Product failure can result in property damage, personal injury or death.

### Working Load Limit (WLL)

The "Working Load Limit" (rated capacity) is the maximum load that shall be applied in direct tension to an undamaged straight length of chain.

### Proof Test

The "Proof Test" (manufacturing test force) is a term designating the minimum tensile force which has been applied to a chain under constantly increasing force in direct tension during the manufacturing process. These loads are manufacturing integrity tests and shall not be used as criteria for service or design purposes.

### Minimum Breaking Force

The "Minimum Breaking Force" is the minimum force at which the chain during manufacture has been found by testing to break when a constantly increasing force is applied in direct tension. Breaking force values are not guarantees that all chain segments will endure these loads. This test is a manufacturer's attribute acceptance test and shall not be used as a criteria for service or design purposes.

The Working Load Limits and the associated safety factor of each Peerless product may be affected by wear, misuse, overloading, corrosion, deformation, intentional alteration and other use conditions. Regular inspection must be conducted to determine whether use can be continued at the assigned Working Load Limit, a reduced Working Load Limit or whether the product must be withdrawn from service. The terms "Working Load Limit",

"Proof Test" and "Minimum Breaking Force" contain no implication of what load the chain will withstand if the chain is used in such conditions of abuse and misuse. Peerless Industrial Group accepts no liability for any such abuse or misuse.

The Working Load Limit of a sling or assembly must not exceed the lowest Working Load Limit of the components in the sling or assembly. Use only Peerless Industrial Group approved parts as replacements when servicing or repairing original Peerless Industrial Group slings or assemblies.

USE ONLY GRADE 80 OR GRADE 100 ALLOY CHAIN AND ATTACHMENTS FOR OVERHEAD LIFTING. Please see page 6 for more information regarding alloy chain Working Load Limits in relation to the angle of lift.

PEERLESS INDUSTRIAL GROUP PRODUCTS ARE INTENDED TO BE USED AT OR BELOW THE MAXIMUM WORKING LOAD LIMITS SPECIFIED IN CONSTANTLY INCREASING FORCE APPLICATIONS UNDER DIRECT TENSION OR IN A STRAIGHT LINE PULL.

SHOCK LOADING IS PROHIBITED AND SIDE LOADING MUST BE AVOIDED, AS IT EXERTS ADDITIONAL DYNAMIC FORCES OR LOADING WHICH THE PRODUCT IS NOT DESIGNED TO ACCOMMODATE.

THE CONDITIONS INVOLVING USE IN CERTAIN ENVIRONMENTAL SITUATIONS SUCH AS UNUSUAL (HIGH OR LOW) TEMPERATURE, CHEMICAL, ETC..., CAN CAUSE CHANGES IN CHAIN PERFORMANCE.

All chains and attachments in this catalog are capable of creating sparks unless otherwise noted.

Welding Peerless Industrial Group load support parts or products can be hazardous. Knowledge of materials, heat treatment and welding procedures are necessary for proper welding.

CONSULT PEERLESS INDUSTRIAL GROUP FOR ADDITIONAL INFORMATION OR QUESTIONS REGARDING THE USE AND APPLICATION OF THE PRODUCTS COVERED IN THIS CATALOG.



**WARNING**

Do not exceed Working Load Limits (WLL)! See the "Cautions and Warnings" section before using these products. Pages 13-15.

# Cautions & Warnings

## Temperature and Chain

### Use of Grade 80 Chain Under Heat Conditions

#### Effect of Elevated Temperature on the Working Load Limit of Grade 80 Alloy Chain.

Chains should not be used outside of the -40° F to 400° F (-40° C to 204° C) temperature range without consulting the chain manufacturer. The specific working load limit reductions for Grade 80 chains used at and after exposure to elevated temperatures have been established and are shown below.

Maximum Temperature of Chain	Reduction of Working Load Limit While At Temperature	Reduction of Working Load Limit After Exposure to Temperature
Below 400°	None	None
400°	10%	None
500°	15%	None
600°	20%	5%
700°	30%	10%
800°	40%	15%
900°	50%	20%
1000°	60%	25%
Over 1000°	* (see below)	* (see below)

\* OSHA 1910.184 requires all slings exposed to temperatures over 1000° F to be removed from service.

### Use of Grade 100 Chain Under Heat Conditions

#### Effect of Elevated Temperature on the Working Load Limit of Grade 100 Alloy Chain.

Chains should not be used outside of the -40° F to 400° F (-40° C to 204° C) temperature range without consulting the chain manufacturer. The specific working load limit reductions for Grade 100 chains used at and after exposure to elevated temperatures have been established and are shown below.

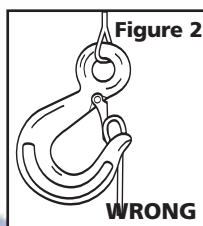
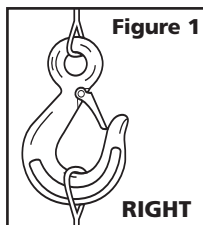
Maximum Temperature of Chain	Reduction of Working Load Limit While At Temperature	Reduction of Working Load Limit After Exposure to Temperature
Below 400°	None	None
400°	15%	None
500°	25%	5%
600°	30%	15%
700°	40%	20%
800°	50%	25%
900°	60%	30%
1000°	70%	35%
Over 1000°	* (see below)	* (see below)

\* OSHA 1910.184 requires all slings exposed to temperatures over 1000° F to be removed from service.

## General Hook & Latch Guidelines

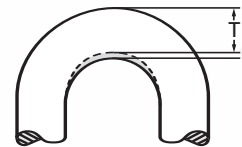
### Important Safety Information - Read & Follow

- Always inspect hook and latch before using.
- Never use a latch that is distorted or bent.
- Always make sure spring will force the latch against the tip of the hook.
- Always make sure hook supports the load. Do not point load hooks—load should bear on the bowl of hook. The latch must never support the load. (See Figure 1 & 2).
- Latches are intended to retain loose sling or devices under slack conditions.
- Latches are not intended to be an anti-fouling device.



## Table of Wear

If chain is worn to less than the minimum allowable thickness (T), remove the chain from service.



### Specifications

Size of Chain		Material Diameter		Min Allowable Thickness (T)	
Inches	mm	Grade 80	Grade 100	Grade 80	Grade 100
9/32"	7mm	0.274	0.279	0.247	0.239
3/8"	10mm	0.392	0.404	0.353	0.353
1/2"	13mm	0.510	0.529	0.459	0.459
5/8"	16mm	0.630	0.625	0.536	0.546
3/4"	20mm	0.781	--	0.664	--
7/8"	22mm	0.906	--	0.770	--
1"	26mm	1.032	--	0.877	--
1-1/4"	32mm	1.250	--	1.063	--

# Cautions & Warnings



## Check #1 - Inspections

Visually examine the sling before each use. Look for stretched, gouged, bent or worn links and components, including hooks, with open throats, cracks or distortion, if damaged, remove from service.



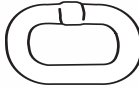
Worn Links



Bent Links



Gouged Links



Stretched Links



## Check #2 - Balance

Know the load — determine the weight, center of gravity, angle and lift and select the proper size of sling.

## Check #3 - Overload

Never overload the sling — check the working load limit on the identification tag. Always consider the effect of Angle of Lift — the tension on each leg of the sling is increased as the angle of lift, from horizontal, decreases. Use the chart in this catalog or in the Peerless-ACCO Chain Sling User's Manual for this purpose.

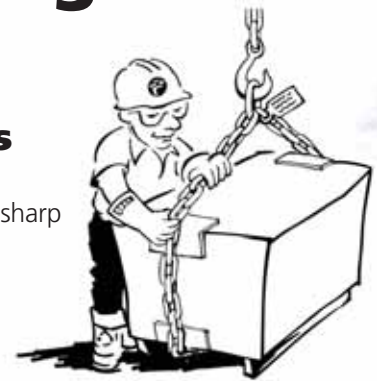


## Check #4 - Knots, Twists & Kinks

Make sure chain is not twisted, knotted or kinked before lifting load. Slings should not be shortened with knots, bolts or other make-shift devices.

## Check #5 - Sharp Edges

Protect chain with padding when lifting sharp edged loads.



## Check #6 - Abrupt Movement

Lift and lower loads smoothly. Do not jerk.



## Check #7 - High Temperatures

Do not expose alloy chain or sling to temperatures of 400°F or higher.



## Check #8 - Chain Care

Store slings properly on an A-Frame and protect chain slings from corrosion during storage.



**WARNING**

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# PEERLESS

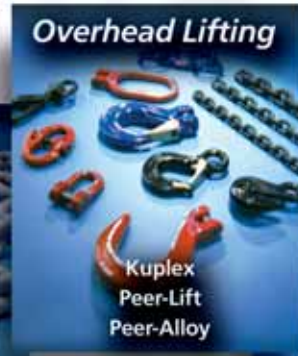
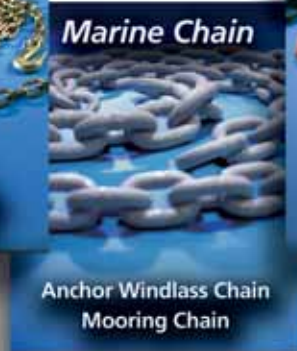
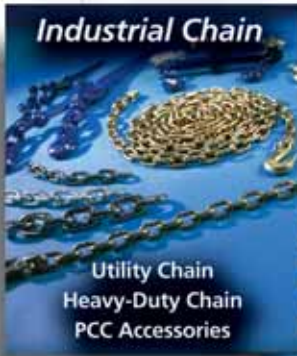
# ACCO

# JEANNETTE



# WEISSENFELS USA

# WEISSENFELS USA



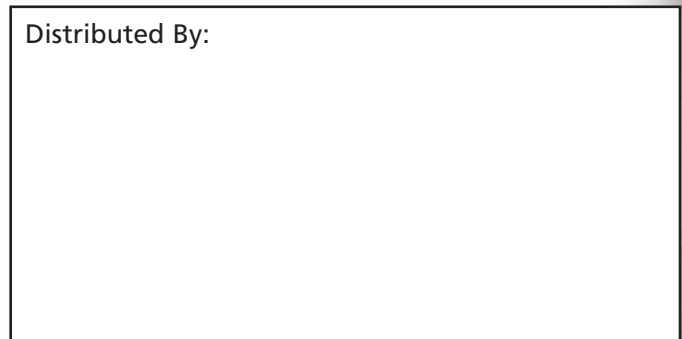
Ask about our hard-hat sticker



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