

{ A F E W A Y } { L I N G U } { A }

MANUFACTURERS OF QUALITY CHAIN, WIRE & METAL LIFTING SLINGS



Safeway Sling USA, Inc.

6209 Industrial Court
Greendale, WI 53129

Phone 414/421-7303
Fax 414/421-7523

Web: www.safewaysling.com

E-mail: sales@safewaysling.com

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Proudly Introduces...

SAFeway GOLD STANDARD

I. Alloy Chain Slings

Safeway partners with ISO certified manufacturers to produce **Gold Standard Alloy Chain Slings**. Utilizing Safeway Grade 80, 100 and 120 chain, we add our testing and attention to detail to produce the *best* assemblies the industry has to offer. Each assembly is proof tested, certified and furnished with a gold identification tag.

II. Wire Rope Products

Only the finest EIP grade steel wire rope is used to fabricate Safeway's wire rope slings, chokers and multi-leg bridles. Swaged wire rope products feature the safe, dependable Flemish eye splice and annealed carbon steel sleeves. Each sleeve is painted gold and is your assurance swaging is proper, complete and safe. Proof testing and certification are available on request.

III. Metal Mesh Slings

Safeway is a Cambridge International authorized fabrication and repair facility. We fabricate new and repair mesh slings using Cambridge's mesh and handles which are known for quality world-wide. Each unit is stamped with rated capacity, proof tested and certified.

IV. Alloy Rod Products

Our metal fabrication division specializes in "S" and "J" hooks for overhead lifting applications. Only quality, made in USA, 8620 alloy steel rod is utilized for the ultimate in strength and rugged reliability. Each piece is marked, proof tested and certified.

All products listed in this catalog are manufactured to meet or exceed current A.N.S.I. and stringent OSHA requirements.



Table of Contents

Gold Standard Products	2
Welded and Mechanical Alloy Chain Slings	3
Alloy Lifting Chain Specifications	3
Single and Double Chain Slings	4
Triple and Quad Chain Slings	4
Adjustable Chain Slings	5
Endless Chain Slings	5
Chain Sling Working Load Table	5
Alloy Hardware - Master & Coupling Links	6
Alloy Hardware - Clevis Grab Hooks	6
Alloy Hardware - Clevis & Eye Type Lifting Hooks	7
Alloy Hardware - Eye Grab & Foundry Hooks	8
Alloy Hardware - Latch Kits & Plate Hooks	8
Chain Sling - Inspection , Care, Use & How-to-Order	9
Wire Rope Slings - Single Leg & Sliding Choker	10
Wire Rope Slings - Two, Three & Four Leg Bridles	11
Wire Rope Slings - Ultra-Flexible Cable Laid	11
Wire Rope Slings - Hand Spliced	12
Other Wire Rope Products & How-to-Order	12
Overhead Lifting "S" and "J" Hooks	13
Gripper Wire Mesh Slings & Capacities	14
Mesh Sling Inspection & Specifications	15
How-to-Order/Chain Sling Worksheet	Back Cover

General Information/Alloy Chain and Slings

Performance Characteristics of Chain Slings

Safeway Gold Standard Alloy Chain Slings utilize grade 80, 100 and 120 lifting chain, manufactured from special analysis alloy steel. It represents the ultimate in strength and wearability. Gold Standard Chain Slings are furnished with gold I.D. Tags. Every Gold Standard Chain sling is proof tested (pull tested to 200% vertical rated capacity) to assure quality and unit integrity. Each unit is individually serialized for traceability. Proof test certificate provided.

Gold Standard Welded Assemblies

Gold Standard Welded Assemblies are fabricated to your specifications by welding coupling links to attach chain to hooks and masterlinks. The result is a tamper-proof assembly.

Gold Standard Mechanical Assemblies

Gold Standard Mechanical Assemblies add the flexibility and convenience of replaceable rings, hooks and coupling links. This equates to lower cost and less down time to repair damaged assemblies.

Safeway Gold Standard Alloy Chain Slings meet or exceed latest guidelines of the National Association of Chain Manufacturers (NACM), ANSI B30.9 standards and strict OSHA requirements.

Safeway Alloy Lifting Chain Specifications

Rugged, versatile, high strength, low weight chain manufactured from a special analysis alloy steel. Safeway Alloy chain has a comparatively high carbon content as well as containing various other alloying elements. The chain is quenched and tempered before proof testing. The ultimate tensile strength of alloy chain is over twice that of ordinary steel chain. The chain is marked to identify grade and manufacturer. **It is the only chain recommended for use in over-head lifting applications.** Regularly supplied in black protective finish.

Minimum elongation at break test 20%. All Safeway Chain meets or exceeds latest guidelines of the National Association of Chain Manufacturers (NACM), ANSI B30.9 standards and strict OSHA requirements.

Safeway Gold Standard Alloy Lifting Chain Specifications

Chain Trade Size	Material Diameter Inches		Nominal Inside Link Dimension Inches		Maximum Weight Per 100 Ft./Lbs.	Working Load Limits Lbs.*		
	Fraction	Decimal	Length	Width		G-80	G-100	G-120
9/32	9/32	.281	.87	.40	78	3,500	4,300	5,200
3/8	13/32	.406	1.23	.56	153	7,100	8,800	10,600
1/2	17/32	.531	1.57	.75	281	12,000	15,000	17,900
5/8	5/8	.630	1.93	.87	365	18,100	22,600	**
3/4	3/4	.787	2.20	1.09	621	28,300	35,300	**
7/8	7/8	.881	2.45	1.22	750	34,200	42,700	**
1	1	1.000	2.80	1.40	965	47,700	59,700	**
1-1/4	1-1/4	1.250	3.50	1.75	1,525	72,300	**	**

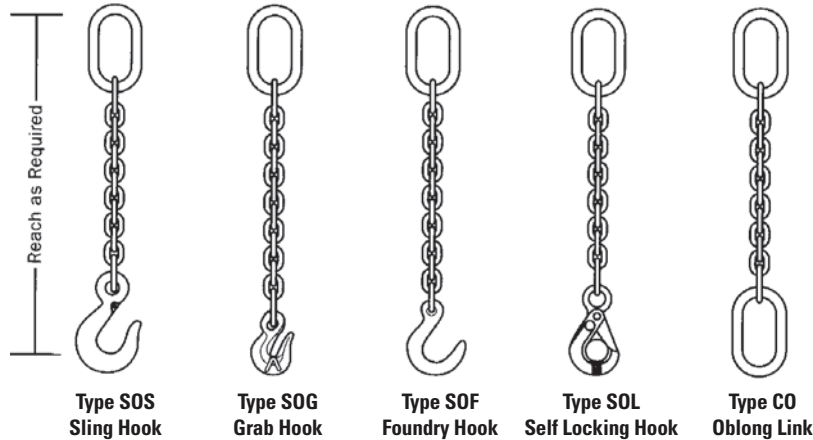
Dimensions and weights are approximate.

* Caution: Working Load Limits (capacity) should not be exceeded. Manufacturers do not accept any liability for damages which may result from chain used in excess of working load limits.

** Consult factory

Safeway Gold Standard Alloy Chain Slings

Single Chain Slings



1. Single Grab-Sling, Single Grab-Grab and Single Sling-Sling available but not shown
2. Cradle grab hooks are standard, non-cradle hooks available on request
3. Foundry Hooks not available in G-120

Single Chain Slings

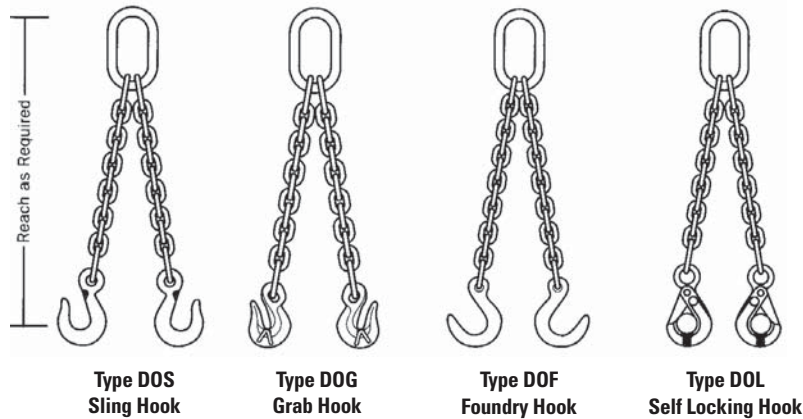
Chain Size (In.)	Rated Capacity Vertical (Lb.)*		
	G-80	G-100	G-120
9/32	3,500	4,300	5,200
3/8	7,100	8,800	10,600
1/2	12,000	15,000	17,900
5/8	18,100	22,600	-
3/4	28,300	35,300	-
7/8	34,200	42,700	-
1	47,700	59,700	-
1-1/4	72,300	-	-

* Also referred to as "Working Load Limit."



Warning! Do not exceed rated capacities. Rating must be reduced when used with slings at angles of less than 90° from horizontal.

Double Chain Slings



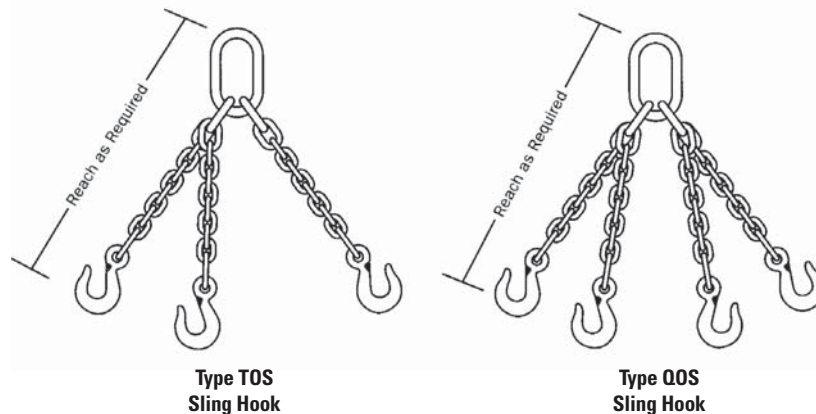
1. Cradle grab hooks are standard, non-cradle hooks available on request
2. Foundry Hooks not available in G-120

Double Chain Slings

Chain Size (In.)	Rated Capacity @ 60° (Lb.)*		
	G-80	G-100	G-120
9/32	6,100	7,400	9,000
3/8	12,300	15,200	18,400
1/2	20,800	26,000	31,000
5/8	31,300	39,100	-
3/4	49,000	61,100	-
7/8	59,200	74,000	-
1	82,600	103,400	-
1-1/4	125,200	-	-

* Also referred to as "Working Load Limit."

Triple & Quad Chain Slings



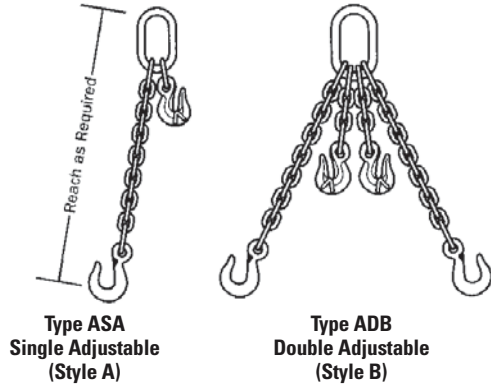
1. Cradle grab hooks, foundry hooks and self-locking hooks available but not shown
2. Cradle grab hooks are standard, non-cradle hooks available on request
3. Foundry hooks not available in G-120

Triple & Quad Chain Slings

Chain Size (In.)	Rated Capacity @ 60° (Lb.)*		
	G-80	G-100	G-120
9/32	9,100	11,200	13,500
3/8	18,400	22,900	27,500
1/2	31,200	39,000	46,500
5/8	47,000	58,700	-
3/4	73,500	91,700	-
7/8	88,900	110,900	-
1	123,900	155,100	-
1-1/4	187,800	-	-

* Also referred to as "Working Load Limit."

Adjustable Chain Slings



Adjustable Chain Slings

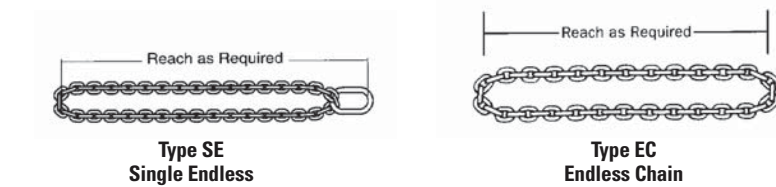
Chain Size (In.)	Rated Capacity (Lb.)*			
	G-80 Single @ 90°	G-80 Double @ 60°	G-100 Single @ 90°	G-100 Double @ 60°
9/32	3,500	6,100	4,300	7,400
3/8	7,100	12,300	8,800	15,200
1/2	12,000	20,800	15,000	26,000
5/8	18,100	31,300	22,600	39,100
3/4	28,300	49,000	35,300	61,100
7/8	34,200	59,200	42,700	74,000
1	47,700	82,600	59,700	103,400
1-1/4	72,300	125,200	-	-

- Single and double adjustable loop and basket slings available but not shown
- Style A - Grab hook connected to masterlink
Style B - Grab hook hung on one foot of chain
- Cradle grab hooks are standard, non-cradle hooks available on request

Adjustable slings available in G-120 - see other G-120 capacities.

* Also referred to as "Working Load Limit."

Endless Chain Slings



Endless Chain Slings

Chain Size (In.)	Rated Capacity Vertical (Lb.)*		
	G-80	G-100	G-120
9/32	3,500	4,300	5,200
3/8	7,100	8,800	10,600
1/2	12,000	15,000	17,900
5/8	18,100	22,600	-
3/4	28,300	35,300	-
7/8	34,200	42,700	-



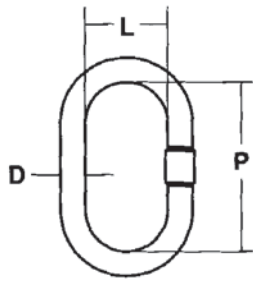
Warning! Do not exceed rated capacities. Rating must be reduced when used with slings at angles of less than 90° from horizontal.

* Also referred to as "Working Load Limit."

Working Load Limits

Chain Trade Size, Inches	Single Branch Sling				Triple & Quad Branch Sling			
	90°	60°	45°	30°	60°	45°	30°	
Grade 80	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	42,400
	7/8	34,200	59,200	48,400	34,200	88,900	72,500	51,300
	1	47,700	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	
Grade 100	9/32	4,300	7,400	6,100	4,300	11,200	9,100	6,400
	3/8	8,800	15,200	12,400	8,800	22,900	18,700	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
	3/4	35,300	61,100	49,900	35,300	91,700	74,900	53,000
	7/8	42,700	74,000	60,400	42,700	110,900	90,600	64,000
1	59,700	103,400	84,400	59,700	155,100	126,600	89,550	
Grade 120	9/32	5,200	9,000	7,400	5,200	13,500	11,000	7,800
	3/8	10,600	18,400	15,000	10,600	27,500	22,500	15,900
	1/2	17,900	31,000	25,300	17,900	46,500	38,000	26,900

Oblong Master Link



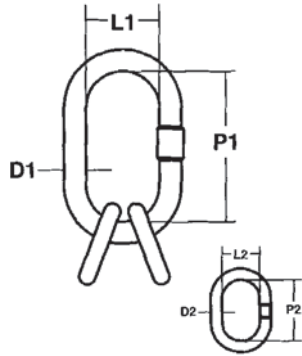
Diameter Material	Dimensions in Inches			Working Load Limits (lbs.) @60°
	D	L	P	
1/2"	2-3/8"	4-3/8"	6,000	
5/8"	3-1/8"	5-1/2"	8,600	
3/4"	3-1/2"	5-7/8"	12,900	
7/8"	3-1/2"	6-3/8"	17,600	
1"	4"	7"	26,000	
1-1/4"	4-3/8"	7-7/8"	39,100	
1-1/2"	5-1/2"	10-1/4"	61,100	
1-3/4"	7-1/8"	13-3/8"	74,000	

Safety Note:

Always select components that equal or exceed the working load limits of the Alloy Chain with which they will be used.

Consult factory for G-120 items.

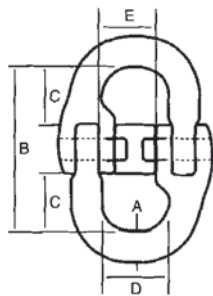
Oblong Master Link Sub-Assembly



Diameter Material	Dimensions in Inches			Diameter Material	Coupler Link		Working Load Limits (lbs.) @60°
	Inside Width	Inside Length	D1		Inside Width	Inside Length	
3/4"	3-1/2"	5-7/8"	1/2"	1"	2-1/8"	11,200	
7/8"	3-1/2"	6-3/8"	5/8"	1-3/8"	2-3/4"	15,200	
1"	4"	7"	3/4"	1-1/2"	3-1/3"	26,000	
1-1/4"	4-1/3"	7-7/8"	7/8"	2"	4-1/2"	39,000	
1-1/2"	5-1/2"	10-1/4"	1"	2-1/2"	5-1/2"	58,700	
2"	7-1/2"	13-3/4"	1"	2-1/2"	5-1/2"	91,700	
2"	7-1/2"	13-3/4"	1-1/16"	2-3/4"	5-7/8"	110,900	
2-1/4"	7-7/8"	15-3/4"	2-1/4"	3-1/8"	6-3/4"	155,100	

Consult factory for G-120 items.

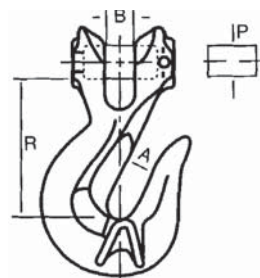
Mechanical Coupling Link



Chain Size	Dimensions in Inches					Working Load Limits (lbs.)	
	A	B	C	D	E	G-80	G-100
9/32"	5/16"	1-59/64"	5/8"	25/32"	47/64"	3,500	4,300
3/8"	15/32"	3-1/32"	7/8"	1-1/16"	63/64"	7,100	8,800
1/2"	5/8"	3-11/31"	1-1/4"	1-17/64"	1-3/16"	12,000	15,000
5/8"	25/32"	4-1/16"	1-17/32"	1-17/32"	1-27/64"	18,100	22,600
3/4"	29/32"	4-9/16"	1-23/32"	1-55/64"	1-47/64"	28,300	35,300
7/8"	1-1/16"	5-15/64"	2"	2-11/64"	1-59/64"	34,200	42,700
1"	1-1/4"	6-15/16"	2-1/4"	2-27/32"	2-23/64"	47,700	59,700
1-1/4"	1-17/32"	6-13/16"	2-5/8"	2-3/4"	2-31/64"	72,300	-

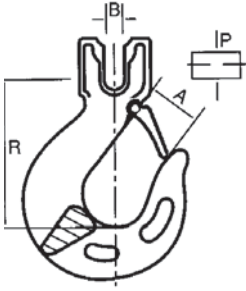
Consult factory for G-120 items.

Clevis Grab Hook



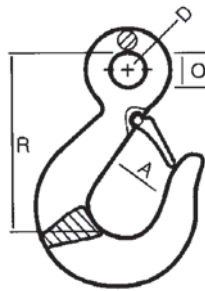
Chain Size	Dimensions in Inches				Working Load Limits (lbs.)	
	R	A	B	P	G-80	G-100
9/32"	1-31/32"	25/64"	23/64"	23/64"	3,500	4,300
3/8"	2-53/64"	33/64"	33/64"	33/64"	7,100	8,800
1/2"	3-15/32"	43/64"	43/64"	5/8"	12,000	15,000
5/8"	4-1/64"	25/32"	53/64"	53/64"	18,100	22,600
3/4"	4-39/64"	61/64"	61/64"	61/64"	28,300	35,300

Clevis Sling Hook With Latch



Chain Size	Dimensions in Inches				Working Load Limits (lbs.)	
	R	A	B	P	G-80	G-100
9/32"	3-25/64"	1-1/64"	11/32"	23/64"	3,500	4,300
3/8"	4-9/64"	1-13/64"	31/64"	33/64"	7,100	8,800
1/2"	5-1/16"	1-39/64"	39/64"	5/8"	12,000	15,000
5/8"	6-11/64"	1-31/32"	3/4"	53/64"	18,100	22,600
3/4"	7-1/4"	2-23/64"	53/64"	1-1/16"	28,300	35,300
7/8"	8-1/4"	2-7/16"	1"	1-1/8"	34,200	42,700

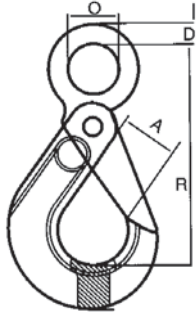
Eye Sling Hook With Latch



Chain Size	Dimensions in Inches				Working Load Limits (lbs.)	
	A	D	O	R	G-80	G-100
9/32"	1-5/32"	7/16"	63/64"	3-49/64"	3,500	4,300
3/8"	1-13/32"	35/64"	1-11/32"	4-3/4"	7,100	8,800
1/2"	1-23/32"	43/64"	1-43/64"	5-29/32"	12,000	15,000
5/8"	2-1/16"	13/16"	2-3/64"	7-13/64"	18,100	22,600
3/4"	2-29/32"	31/32"	2-7/16"	8-9/16"	28,300	35,300
7/8"	2-63/64"	1-5/32"	2-19/32"	8-57/64"	34,200	42,700
1"	3-3/16"	1-1/4"	2-1/16"	11-1/64"	47,700	59,700
1-1/4"	3-7/8"	1-1/2"	2-5/16"	11-1/2"	72,300	-

Consult factory for G-120 items.

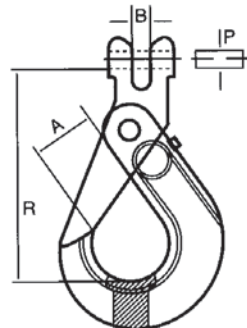
Self Locking Hook



Chain Size	Dimensions in Inches				Working Load Limits (lbs.)	
	A	D	O	R	G-80	G-100
9/32"	1-5/32"	25/64"	1-1/64"	4-27/64"	3,500	4,300
3/8"	1-1/2"	33/64"	1-19/64"	5-5/16"	7,100	8,800
1/2"	1-13/16"	5/8"	1-21/32"	7-9/32"	12,000	15,000
5/8"	2-1/4"	45/64"	2-3/64"	9-3/64"	18,100	22,600
3/4"	3-3/32"	61/64"	2-3/8"	10-7/8"	28,300	35,300
7/8"	4-11/16"	1-3/32"	2-3/4"	12-1/2"	34,200	42,700
1"	4-1/8"	1-1/2"	2-7/8"	14-5/8"	47,700	59,700

Consult factory for G-120 items.

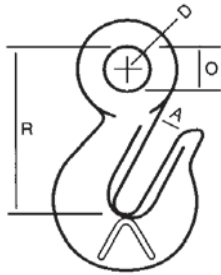
Clevis Self Locking Hook



Chain Size	Dimensions in Inches				Working Load Limits (lbs.)	
	A	B	P	R	G-80	G-100
9/32 - 5/16"	1-5/64"	11/32"	23/64"	3-23/32"	3,500	4,300
3/8"	1-1/2"	31/64"	33/64"	4-59/64"	7,100	8,800
1/2"	1-13/16"	39/64"	5/8"	6-3/16"	12,000	15,000
5/8"	2-1/4"	3/4"	32/64"	7-7/16"	18,100	22,600
3/4"	2-3/4"	29/32"	30/32"	9-1/2"	28,300	35,300
7/8"	3-7/8"	1"	7/8"	11-1/8"	34,200	42,700
1"	4-1/16"	1-1/8"	1"	12-1/2"	47,700	59,700

Safeway Gold Standard Alloy Hardware

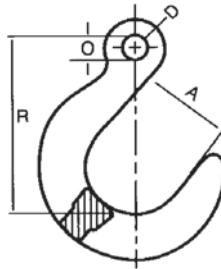
Cradle Grab Hook



Chain Size	Dimensions in Inches				Working Load Limits (lbs.)	
	A	D	O	R	G-80	G-100
9/32"	25/64"	23/64"	5/8"	2-23/64"	3,500	4,300
3/8"	33/64"	7/16"	53/64"	3-5/32"	7,100	8,800
1/2"	43/64"	5/8"	1-1/64"	4-3/32"	12,000	15,000
5/8"	25/32"	3/4"	1-3/16"	4-31/64"	18,100	22,600
3/4"	29/32"	55/64"	1-27/64"	5-13/16"	28,300	35,300
7/8"	1-1/16"	63/64"	1-1/2"	6-3/16"	34,200	42,700
1"	1-3/4"	1-1/4"	1-7/8"	8-3/32"	47,700	59,700
1-1/4"	1-1/2"	1-9/16"	2-1/4"	10-1/2"	72,300	-

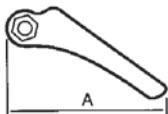
Consult factory for G-120 items.

Foundry Hook



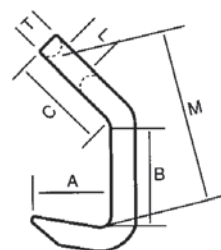
Chain Size	Dimensions in Inches				Working Load Limits (lbs.)	
	A	D	O	R	G-80	G-100
9/32"	2-31/64"	15/32"	33/64"	4-23/32"	3,500	4,300
3/8"	2-63/64"	5/8"	3/4"	5-3/4"	7,100	8,800
1/2"	3-1/2"	3/4"	63/64"	6-27/32"	12,000	15,000
5/8"	3-63/64"	55/64"	1-17/64"	8-5/64"	18,100	22,600
3/4"	4-31/64"	63/64"	1-1/2"	9-1/4"	28,300	35,300
7/8"	5"	1-1/8"	1-3/4"	10-3/8"	34,200	-
1"	5-1/2"	1-1/4"	2-1/8"	11-9/16"	47,700	-
1-1/4"	6"	1-3/8"	2-3/8"	12-7/8"	72,300	-

Sling Hook Latch Kit



Dimensions in Inches	
Chain Size	A
9/32"	2"
3/8"	2-7/16"
1/2"	3-1/32"
5/8"	3-41/64"
3/4"	4-9/32"
7/8"	5-1/8"
1"	5-1/8"
1-1/4"	5-1/2"

Plate Hook



Chain Size	Dimensions in Inches						Working Load Limits (lbs.)	
	A	B	C	L	M	T	G-80	G-100
9/32"	2"	1-3/4"	2-1/2"	1"	3-11/16"	5/8"	4,200	5,700
3/8"	2-5/8"	3"	4-5/16"	1-1/8"	6-3/8"	3/4"	7,400	8,800
1/2"	3-1/2"	4"	4-3/8"	1-1/2"	7-3/8"	1"	13,000	15,000
5/8"	4-3/8"	5"	5-7/16"	1-7/8"	9-1/4"	1-1/4"	20,400	22,600
3/4"	5-3/16"	6"	6-1/2"	2-1/4"	10-7/8"	1-1/2"	30,000	35,300
7/8"	6"	7"	7-5/8"	2-5/8"	13-1/16"	1-3/4"	40,000	42,700

Dimensions on G-100 items differ from above - consult factory.

Inspection Criteria

It is important to inspect chain slings before each use and to keep a record of individual chain inspections. The following is a suggestion for such an inspection system.

Before inspecting: clean the chains so that marks, nicks, wear and other defects can be seen. Each link should be inspected for the following danger signs that include but are not limited to:

1. Twists or bends
2. Nicks or gouges
3. Excessive wear at bearing points
4. Stretch
5. Evidence of heat damage
6. Weld splatter
7. Distorted or damaged master links, coupling links or attachments, especially spread in throat opening of hooks

Each link or attachment having any defect listed above should be marked with paint to plainly indicate rejection and removed from service until properly repaired.

Proper Care

Chain requires only minimum maintenance:

1. Store chains on an A-frame in a clean, dry place
2. Oil chains before prolonged storage
3. Never anneal chain

Use of Chain Under Heat Conditions

When the chain itself is heated to temperatures shown below, the Working Load Limits should be reduced as indicated.

Grade 80 & 100 Chain

Temperature		Reduction of Working Load Limit While at Temperature		Reduction of Working Load Limit After Exposure at Temperature	
(°F)	(°C)	G-80	G-100	G-80	G-100
Below					
400	204	None	None	None	None
400	204	10%	15%	None	None
500	260	15%	25%	None	5%
600	316	20%	30%	5%	15%
700	371	30%	40%	10%	20%
800	427	40%	50%	15%	25%
900	482	50%	60%	20%	30%
1000	538	60%	70%	25%	35%
Over					
1,000	538	OSHA 1910.184 requires all slings exposed to temperatures over 1000°F to be removed from service.			

G-120 is not to be used over 400°F (204°C).

Proper use

Observing these simple precautions when using chain slings can help protect both workers and materials.

1. Free all twists, knots or kinks
2. Center load on hook
3. Avoid sudden jerks when lowering or lifting

4. Balance all loads
5. Never overload
6. Use pads around sharp corners
7. Do not drop loads on chains

Chain Wear Allowance

Determine wear by measuring cross section at link ends. If worn to less than the minimum thickness allowable, chain should be removed from service.

Grade 80 & 100 Chain

Chain Size	Diameter	Minimum Allowable Thickness on Link
9/32"	.281	.239
3/8"	.406	.342
1/2"	.531	.443
5/8"	.630	.546
3/4"	.787	.687
7/8"	.881	.750
1"	1.000	.887
1-1/4"	1.250	1.091

Consult factory for G-120 specifications.

How to Select the Proper Chain Sling

1. Determine the maximum weight of LOAD
2. From the working load limit chart, determine the SIZE of the body chain for the Gold Standard Sling. Be sure to consider the effect of the angles
3. Determine the REACH for the selected angle by measuring the distance from the upper bearing surface of the master link to the bearing surface of the lower attachment
4. Standard attachments will be furnished. Attachments other than standard require detail specifications

How to Order the Proper Chain Sling

When ordering, please be sure to include the following:

Type of Sling	Type of Master Attachment
S - Single Chain	O - Oblong Link
D - Double Chain	P - Pear Link
T - Triple Chain	R - Ring
Q - Quadruple Chain	N - No Master Attachment

Basket Styles	Type of End Attachment
SB - Single	S - Sling Hook
DB - Double	G - Grab Hook
SE - Single Endless	F - Foundry Hook
DE - Double Endless	L - Self-Locking Hook
	P - Plate Hook
	N - No End Attachment

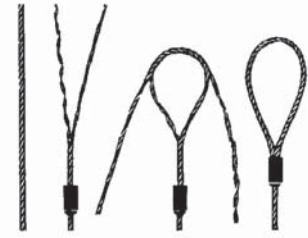
Adjustable Styles
ASA - Single Style A
ASB - Single Style B
ADA - Double Style A
ADB - Double Style B
SLA - Single Loop Style A
SLB - Single Loop Style B
DLA - Double Loop Style A
DLB - Double Loop Style B

See back cover for more information.

Gold Standard Wire Rope Slings

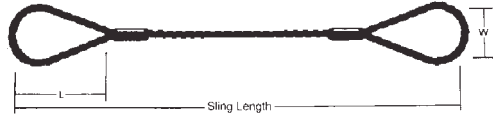
Rugged and reliable, the flemish eye spliced with carbon steel sleeves offer the greatest safety in a wire rope choker. This construction offers 93-95% wire rope efficiency. Inspection is facilitated by painting sleeves gold to verify swaging is complete and proper. Capacity/Care and Instruction tag attached. Proof testing and certification available upon request.

Quality and safety... hallmarks of the Gold Standard



SW100 Single Leg Wire Rope Sling
Flemish Eye, Mechanical Splice

SW100 Single Leg

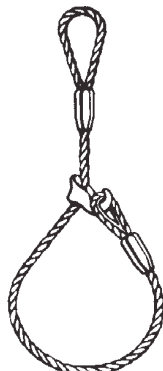


Rope Diameter	Minimum Sling Length	Rated Capacity in Tons			Standard Eye Size (in.)		Eye Hook Capacity
		Vertical	Choker	Basket*	Eye Width (W)	Eye Length (L)	
6x19 Class - Extra improved plow steel IWRC							
1/4"	1'-6"	.65	.48	1.3	2"	4"	1 ton A
5/16"	1'-9"	1.0	.75	2.0	2-1/2"	5"	1 ton A
3/8"	2'-0"	1.4	1.1	2.9	3"	6"	2 ton A
1/2"	2'-6"	2.5	1.9	5.1	4"	8"	3 ton A
5/8"	3'-0"	3.9	2.9	7.8	5"	10"	4.5 ton A
3/4"	3'-6"	5.6	4.1	11.0	6"	12"	7 ton A
7/8"	4'-0"	7.6	5.6	15.0	7"	14"	7.5 ton C
1"	4'-6"	9.8	7.2	20.0	8"	16"	10 ton C
6x37 Class - Extra improved plow steel IWRC							
1-1/8"	5'-0"	12.0	9.1	24.0	9"	18"	15 ton A
1-1/4"	5'-6"	15.0	11.0	30.0	10"	20"	15 ton A
1-3/8"	6'-0"	18.0	13.0	36.0	11"	22"	22 ton A
1-1/2"	7'-0"	21.0	16.0	42.0	12"	24"	22 ton A

* Basket hitch is based on a D/d ration of 20 or greater, where D = Diameter of Curvature around which the body of the sling is bent, and d=Diameter of Wire Rope.

SC100 Sliding Choker

Safeway Sliding Choker Slings are specially designed for quick, efficient choker operation.

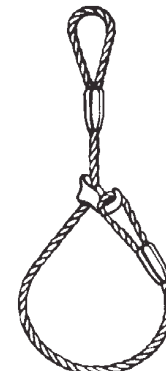


Style A

Rope Diameter	Rated Capacity (Tons)	Eye Dimensions	
		W	L
3/8"	1.1	3"	6"
1/2"	1.9	4"	8"
5/8"	2.9	5"	10"
3/4"	4.1	6"	12"
7/8"	5.6	7"	14"
1"	7.2	8"	16"

* Style A is standard. Style B available on request. Latched choker hooks available on special order.

Our Standard SC100 is furnished with standard eye one end and thimble eye other end. Please specify at order placement if you require standard eyes (no thimble) on both ends (Style B).



Style B

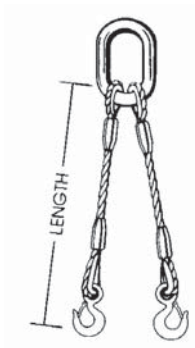


Do not exceed capacities. Inspect wire rope sling and consult industry recommendations and OSHA Standards before each use. Wire rope slings may fail if damaged, abused, misused, overused, or improperly maintained.

Larger rope sizes available but not illustrated. Please consult the factory for items not shown. All Safeway Wire Rope Slings comply with current A.N.S.I. and OSHA requirements.

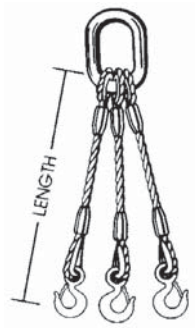
Safeway Multi-Leg Bridles and Cable-Laid Slings

Two-Leg Wire Rope Sling - SW200



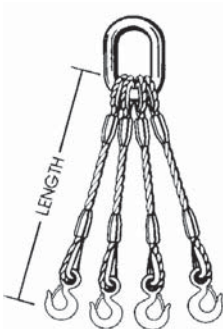
Rope Diam.	Minimum Leg Lenth	Rated Capacity (Tons)			Oblong Link Size	Hook	Eye Hook Size	
		60°	45°	30°			T	L
1/4"	1'-3"	1.1	.91	.65	1/2"x2-1/2"x5"	1 Ton A	15/16"	3-1/4"
3/8"	1'-8"	2.5	2.0	1.4	1/2"x2-1/2"x5"	2 Ton A	1"	4"
1/2"	2'-0"	4.4	3.6	2.5	3/4"x2-3/4"x5-1/2"	3 Ton A	1-1/4"	4-5/8"
5/8"	2'-4"	6.8	5.5	3.9	1"x3-1/2"x7"	4.5 Ton A	1-1/2"	5-3/4"
3/4"	2'-9"	9.7	7.9	5.6	1-1/4"x4-3/8"x8-3/4"	7 Ton A	1-7/8"	7-3/8"
7/8"	3'-3"	13	11	7.6	1-1/4"x4-3/8"x8-3/4"	7.5 Ton C	2-1/4"	9-1/16"
1"	3'-6"	17	14	9.8	1-1/2"x5-1/4"x10-1/2"	10 Ton C	2-1/2"	10"

Three-Leg Wire Rope Sling - SW300



Rope Diam.	Minimum Leg Lenth	Rated Capacity (Tons)			Oblong Link Size	Hook	Eye Hook Size	
		60°	45°	30°			T	L
1/4"	1'-3"	1.7	1.4	.97	1/2"x2-1/2"x5"	1 Ton A	15/16"	3-1/4"
3/8"	1'-8"	3.7	3.0	2.2	3/4"x2-3/4"x5-1/2"	2 Ton A	1"	4"
1/2"	2'-0"	6.6	5.4	3.8	1"x3-1/2"x7"	3 Ton A	1-1/4"	4-5/8"
5/8"	2'-4"	10	8.3	5.9	1-1/4"x4-3/8"x8-3/4"	4.5 Ton A	1-1/2"	5-3/4"
3/4"	2'-9"	15	12	8.4	1-1/2"x5-1/4"x10-1/2"	7 Ton A	1-7/8"	7-3/8"
7/8"	3'-3"	20	16	11	1-1/2"x5-1/4"x10-1/2"	7.5 Ton C	2-1/4"	9-1/16"
1"	3'-6"	26	21	15	1-3/4"x6"x12"	10 Ton C	2-1/2"	10"

Four-Leg Wire Rope Sling - SW400



Rope Diam.	Minimum Leg Lenth	Rated Capacity (Tons)			Oblong Link Size	Hook	Eye Hook Size	
		60°	45°	30°			T	L
3/8"	1'-8"	5.0	4.1	2.9	3/4"x2-3/4"x5-1/2"	2 Ton A	1"	4"
1/2"	2'-0"	8.8	7.1	5.1	1"x3-1/2"x7"	3 Ton A	1-1/4"	4-5/8"
5/8"	2'-4"	14	11	7.8	1-1/4"x4-3/8"x8-3/4"	4.5 Ton A	1-1/2"	5-3/4"
3/4"	2'-9"	19	16	11	1-1/2"x5-1/4"x10-1/2"	7 Ton A	1-7/8"	7-3/8"
7/8"	3'-3"	26	21	15	1-3/4"x6"x12"	7.5 Ton C	2-1/4"	9-1/16"
1"	3'-6"	34	28	20	2"x7-1/2"x13-3/4"	10 Ton C	2-1/2"	10"

Larger wire rope slings available but not illustrated. Consult factory for items or capacities not shown.

Ultra-flexible Cable-Laid Slings - SW100 Cable-Laid



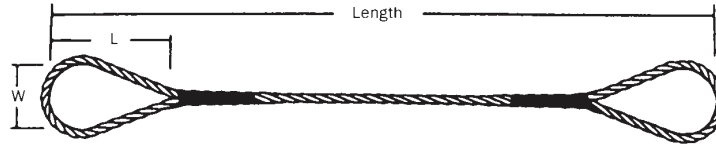
Cable-Laid Slings are fabricated from rope consisting of galvanized aircraft cables. This results in a rope that is extremely flexible as well as corrosion resistant.

Rope Diameter (in.)	Classifications	Minimum Sling Length (ft.)	Rated Capacity (Tons)			Eye Size (in.)
			Vertical	Choker	Basket*	
3/8"	7x7x7 GAC	2'-0"	1.1	.74	2.2	3" x 6"
1/2"	7x7x7 GAC	2'-6"	1.9	1.3	3.7	4" x 8"
5/8"	7x7x7 GAC	3'-0"	2.8	1.9	5.5	5" x 10"
3/4"	7x7x19 GAC	3'-6"	4.1	2.8	8.1	6" x 12"
7/8"	7x7x19 GAC	4'-0"	5.4	3.7	11	7" x 14"
1"	7x7x19 GAC	4'-6"	6.9	4.7	14	8" x 16"

Hand Spliced Wire Rope Chokers

Preferred by erecting contractors, the Safeway **Tapered & Concealed Hand Spliced Wire Rope Choker** has no equal. With a flexible fiber core and no steel sleeves, the tapered, hidden tuck splice avoids snagging under load.

SW100 - Hand Spliced



Rope Diameter (in.)	Minimum Sling Length (ft.)	Rated Capacity (Tons)			Standard Eye Size (in.)	
		Vertical	Choker	Basket*	Width	Length
6x19 Class - Extra Improved Plow Steel Fiber Core						
3/8"	3'-0"	1.2	.94	2.2	3"	6"
1/2"	4'-0"	2.0	1.6	4.0	4"	8"
5/8"	4'-0"	3.1	2.6	6.2	5"	10"
3/4"	5'-6"	4.3	3.7	8.6	6"	12"
7/8"	6'-0"	5.7	5.0	11	7"	14"
1"	7'-0"	7.4	6.4	15	8"	16"

* Basket hitch is based on a D/d ratio of 20 or greater where D=Diameter of Curvature around which the body of the sling is bent, and d=diameter of Wire Rope.



Warning! Do not exceed rated capacities. Inspect wire rope sling and consult industry recommendations and OSHA Standards before each use. Wire rope slings may fail if damaged, abused, misused, overused, or improperly maintained.

Other Wire Rope Products

Safeway's Rigging Department can also furnish:

- 6-part Flat & 8-part Round Braid Slings
- Cable Assemblies
- Overhead Crane Hoist Assemblies
- Winch Lines
- Bulk Wire Rope
- Aircraft Cable

Contact our Sales Department with your specifications.

How to Order Wire Rope Slings

Determine the weight of the load and consider angle of sling to load. Specify:

1. Wire rope diameter (inches)
2. Sling length (feet - bearing point to bearing point)
3. Class of wire rope (6x19 or 6x37 class)
4. Any attachment (hooks, thimbles, etc.)

Examples of other standard combinations:



Eye & Hook



Crescent Thimble & Crescent Thimble



Slip-Thru Thimble & Slip-Thru Thimble



Thimble & Thimble

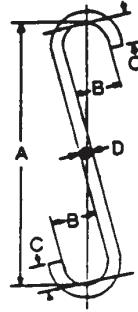


Thimble & Hook



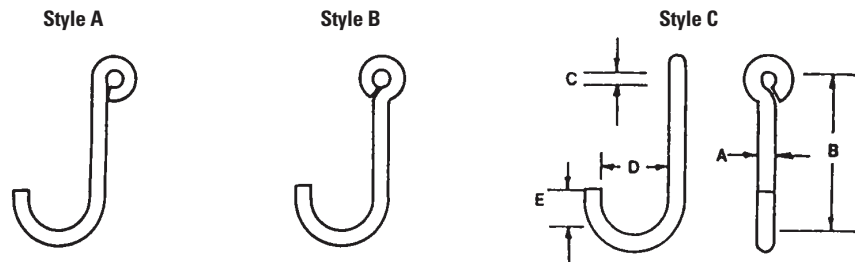
Alloy "S" and "J" Hooks

Safeway's metal fabrication division fabricates a complete line of "S" and "J" hooks for your overhead lifting and paintline applications. Made only of domestic 8620 alloy steel rod, these hooks represent the ultimate in strength and reliability. Items shown below are a sampling of the most commonly used types and sizes of "S" and "J" hooks. For sizes and capacities of items not shown, contact our sales team.



Alloy "S" Hooks

Material Diameter	Safeway Stock No.	Dimensions				Working Load Limit (lbs)
		A	B	C	D	
5/16"	SSA 0312	2-3/4"	3/4"	3/4"	5/16"	325
3/8"	SSA 0375	4-1/8"	1-1/8"	1-1/8"	3/8"	425
1/2"	SSA 0500	5-1/2"	1-1/2"	1-1/2"	1/2"	775
5/8"	SSA 0625	7"	1-7/8"	1-7/8"	5/8"	1225
3/4"	SSA 0750	8-1/4"	2-1/4"	2-1/4"	3/4"	1750
7/8"	SSA 0875	9-1/2"	2-5/8"	2-5/8"	7/8"	2400
1"	SSA 1000	11"	3"	3"	1"	3000



Alloy "J" Hooks

Material Diameter (A)	Safeway Stock No.	Dimensions				Working Load Limit (lbs)
		B	C	D	E	
5/16"	SJA 0312	5"	3/4"	1-1/4"	7/8"	250
3/8"	SJA 0375	6"	3/4"	1-1/2"	1-1/8"	350
1/2"	SJA 0500	8"	3/4"	2"	1-1/2"	650
5/8"	SJA 0625	9"	1"	2-1/2"	1-7/8"	850
3/4"	SJA 0750	10"	1"	3"	2-1/4"	1,200
7/8"	SJA 0875	12"	1"	3-1/2"	2-5/8"	1,500
1"	SJA 1000	14"	1-1/4"	4"	3"	2,000

All dimensions above in inches. Larger diameters are available, please consult factory. All hooks stamped with working load limit, heat treated, proof tested and certified.



Warning! Do not exceed working load limit.

Safeway has partnered with Cambridge International, a world-wide leader in the manufacture of wire mesh slings. Safeway is authorized to fabricate new and repair metal mesh slings to Cambridge's rigid standards.

Gripper® Sling features:

1. Heavy duty mesh to meet all your lifting needs
2. Interwoven smooth spiral wires give sling complete flexibility to conform to the contours of the load which resists cutting and abrasion to wires
3. Wide Bearing Surface gives you better load balance and gripping power
4. Repairability: We repair all brands of metal mesh slings
5. Each sling stamped with serial number and capacity
6. Each sling proof tested and certified

G-35 Heavy Duty (10 gauge)

Offers longest service life and is the most resistant to rough treatment. Excellent for abrasive loads, cutting action of sharp-edged loads and off-center lifts.

1/2" Thick



Sling Width	Choker	Vertical Basket
2"	1,600	3,200
3"	3,000	6,000
4"	4,400	8,800
6"	6,600	13,200
8"	8,800	17,600
10"	11,000	22,000
12"	13,200	26,400

Rated capacity in pounds.

G-43 Medium Duty (12 Gauge) has been discontinued.

G-59 Light Duty (14 Gauge) has been discontinued.

Environmental Considerations

- Wire mesh slings shall not be used at temperatures above 550°F
- Store in a clean, dry area to avoid corrosion
- A light coat of oil will inhibit rust



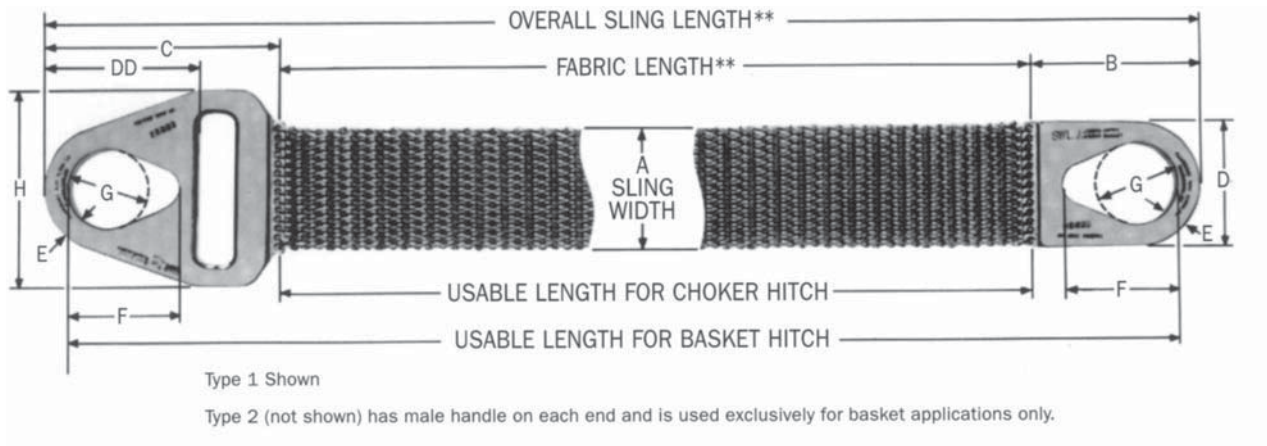
Warning! Do not exceed working load limits.

Gripper® Wire Mesh Sling Inspection

Inspect mesh slings before each use. Remove sling from service if any of the following is visible:

- A broken weld or brazed joint along sling edge or at end spirals
- A broken wire in any part of mesh
- Reduced flexibility due to distortion of the mesh
- Reduction of wire diameter of 25% due to abrasion or 15% due to corrosion
- Visible distortion greater than a 10% angle on an end fitting
- Cracked or excessively worn end fittings
- Exposure to temperature over 550°F.

Gripper® Sling Specifications



Dimensions In Inches										Hook Size	Approx. Wt. 36" Sling (lbs.)	Fabric Lbs./Ft. of Length 10 ga.
A Width (Nom.)	B	C	D	E	F	G	H	DD				
2	4	6	2	½	2-3/4	1-3/4	4	3-3/4	5 Ton	5	1-1/4	
3	5-1/4	7-1/2	3	¾	3-1/2	2-1/2	5-1/4	5	10 Ton	8	1-7/8	
4	5-1/2	7-3/4	4	¾	3-1/2	2-1/2	6-1/4	5	10 Ton	10	2-1/2	
6	6-1/2	9	6	1	4	2-3/4	8-1/2	6	15 Ton	15	3-7/8	
8	8-3/4	12	8	1-1/4	5-1/2	4	11-1/4	8-1/2	25 Ton	20	5-1/8	
10	7-3/4	10-3/4	10-1/4	1	5	3-1/2	12-3/4	7-1/2	25 Ton	26	6-3/8	
12	8	11-1/4	12-1/4	1	5	3-1/2	14-3/4	7-1/2	30 Ton	33	7-5/8	

* Accommodates most hooks to listed size.

**Standard tolerance +/- 1/2"

Special Coverings

For maximum load protection, specify a covered Gripper® Sling. The soft, smooth elastic coverings enhance the Gripper's gentleness, safety, service life and ease of handling. The covering increases sling thickness by about 5/16", yet flexes to a radius as small as 2". Safe operating temperatures up to 150°F.

Available Coverings:

- Neoprene
- PVC Covering
- Urethane

Contact Safeway for the coating that best meets your specific need or any special mesh items you may need custom engineered to specific, unusual applications.

Design a Chain Sling Worksheet

1. What is the overall weight of the load being lifted? _____
2. Are there existing pick points on product/item being lifted? (i.e. eye bolts/swivels/shackles, etc.) Yes No
If so, how many: _____
3. From the working load limit charts on page 5 determine a size of body chain for either G-80, G-100 or G-120 sling. Be sure to consider the lifting angles. _____
4. What grade of material is requested (G-80, G-100, G-120)? _____
5. How many legs are needed on the chain assembly? (Should match number of pick points if present.) _____
6. Does the chain assembly need to be adjustable? Yes No What style? A B (See page 5)
7. Is a certain size oblong required/requested to fit an enlarged crane hook? Yes No
If so, what is the Inside Width: _____, Inside Length: _____ and Diameter: _____ of the oblong required?
(See page 6 for help with oblong dimensions.)
8. What hook/hardware is requested for the ends of each leg? (See page 6, 7 & 8 for hook options.) _____
9. Is a particular hook size required? Yes No If so, what size hook? (See page 6, 7 & 8 for hook options.) _____
10. From above determine the **reach** for the selected source by measuring the distance from the upper surface of masterlink to bottom surface of lower attachment. _____
11. Standard Safeway alloy attachments will be furnished. Attachments other than standard require detailed specs.

Your Drawing Here...



Safeway Sling USA, Inc.
6209 Industrial Court • Greendale, WI 53129
Phone 414/421-7303 • Fax 414/421-7523
Web: www.safewaysling.com
E-mail: sales@safewaysling.com

Sketch Your Item Here