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WISCOLIFT

W6396 Specialty Drive
 Greenville, WI 54942
www.wiscolift.com

Call: 800. 242. 3477

Greenville: 920. 757. 8832

Milwaukee: 262. 253. 2288

Fax: 920. 757. 8858

E-mail: smartlift@wiscolift.com

LIFTING SLINGS

Qualities and Traits

2

Synthetic slings offer excellent load protection. Unlike other sling types, they generally do not mar or scratch machined surfaces. They are equally suited for use on other delicate surfaces. Care should be taken to insure that no foreign materials, which may induce scratches or other damage, are present in the sling body.

1. Synthetic slings stretch under load (3-4% for polyester). It is this stretch which may create damage on surfaces.
2. Long term exposure to ultraviolet light will have a deteriorating effect on web slings. Efforts to minimize ultraviolet exposure will enhance sling longevity and safety.
3. Web slings provide superior gripping ability by molding and conforming to the load's surface.
4. Web slings are unaffected by most chemicals. Please note the chemical effects chart below. They should not be used in conditions where temperatures will exceed 180° F.

Lifting Sling Removal Criteria

IMMEDIATELY REMOVE WEB SLINGS FROM SERVICE IF ANY OF THE FOLLOWING ARE PRESENT:

1. Acid or caustic burns
2. Melting or charring of any part of the sling surface
3. Snags, punctures, tears, or cuts
4. Broken or worn stitches
5. Distortion, wear or fracture of fittings
6. Other apparent defects which cause doubt as to the strength of the sling should be referred to the Manufacturer for determination.

NYLON-POLYESTER CHEMICAL EFFECTS CHART – GENERAL USE ONLY

	Acid	Alcohol	Aldehydes	Strong Alkalis	Bleach Agents	Dry Clean Chemicals	Ethers	Halo-generated Hydrocarbons	Hydro Carbons	Ketones	Oils Crude	Oils Lubricating	Soap & Detergents	Water & Sea Water	Weak alkalis
NYLON	NO	OK	OK	OK	NO	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
POLYESTER	*	OK	NO	**	OK	OK	NO	OK	OK	OK	OK	OK	OK	OK	OK

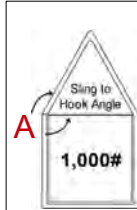
* Disintegrated by concentrated sulfuric acid.

** Disintegrated by strong alkalis at elevated temperatures.

Sling Angle Stress Factors

Consideration must be given to the angle at which a sling is to be used. **Any angle from vertical will decrease the sling's capacity.** The amount of lost capacity is determined by the "sling to hook angle," shown as Angle "A." To calculate the capacity of a sling at an angle multiply the sling's load rating by the appropriate factor in the "Sling Load Chart." This will give you the sling's reduced rated capacity.

Sling Load Chart				
Angle-Degrees	Angle-Factor	Angle-Degrees	Angle-Factor	
90°	1.000	50°	.7660	
85°	.9962	45°	.7071	
80°	.9848	40°	.6428	
75°	.9659	35°	.5736	
70°	.9397	30°	.5000	
65°	.9063	25°	.4226	
60°	.8660	20°	.3420	
55°	.8192	15°	.2589	



Custom Web Sling Tags

Custom web sling tags are white vinyl with a durable clear protective coating and available in full color.

- Customize with your company logo and bar code
- Customize tag text and layout
- Available in 6-3/4" x 3/4" and 6-3/4" x 1-5/8"

WISCOLIFT 800-242-3477 www.wiscolift.com MADE IN USA	12/05/14 RATED CAPACITIES			POLYESTER		WARNING Do not use this sling with this warning label. Failure to follow these instructions may result in sling failure and/or severe personal injury or death. Do not use sling for damage before each use. Do not use sling above rated lifting capacity. Do not use sling in temperatures above 180° F (80° C). Do not tie knots in sling webbing. Do not use sling if webbing is frayed, cut, or damaged. Do not use sling if webbing is wet or soiled. Do not use sling if webbing is exposed to chemical damage, excessive heat, or other defects. Do not use sling if webbing is exposed to any of the above conditions until sling should be removed from service.
	VERTICAL 1600 LBS	CHOKER 1200 LBS	V. BASKET 3200 LBS	Part No: 9EE101 SN: 123456789-001 Width: 1 IN Length: 12FT 6 IN		

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LIFTING SLINGS

Eye and Eye
and Endless Type Slings

3

Specifications

Rated Capacities in
Pounds Per Type of Hitch

Sling Width	Stock #	# of Plys	 Choker	 Vertical	 90° Basket
1"	9EE101	1	1200	1600	3200
1"	9EE201	2	2400	3000	6000
1"	9EE301	3	3600	4500	9000
1"	9EE401	4	4800	6000	12000
2"	9EE102	1	2400	3200	6400
2"	9EE202	2	4800	6000	12000
2"	9EE302	3	6400	9000	18000
2"	9EE402	4	9600	12000	24000
3"	9EE103	1	3600	4800	9600
3"	9EE203	2	7200	9000	18000
3"	9EE303	3	10800	13500	27000
3"	9EE403	4	14400	18000	36000
4"	9EE104	1	4800	6400	12800
4"	9EE204	2	9600	12000	24000
4"	9EE304	3	14400	18000	36000
4"	9EE404	4	19200	24000	48000
5"	9EE105	1	6000	8000	16000
5"	9EE205	2	12000	15000	30000
5"	9EE305	3	18000	22500	45000
5"	9EE405	4	24000	30000	60000
6"	9EE106	1	7200	9600	19200
6"	9EE206	2	14400	18000	36000
6"	9EE306	3	21600	24000	54000
6"	9EE406	4	28800	36000	72000

Type 3 – Eye and Eye Slings

Flat Eye Types are used in all styles of sling hitches.

Type 4 – Eye and Eye Slings

Twisted Eye Types are preferred for choker applications.



Type 3






Type 4

NOTE: When ordering choose the proper width and capacity sling desired and use the stock number specified. Add length desired and for twisted eye add the "TW."

*Available up to 12" wide.

Specifications

Rated Capacities in
Pounds Per Type of Hitch

Sling Width	Stock #	# of Plys	 Choker	 Vertical	 90° Basket
1"	9EN101	1	2500	3200	6400
1"	9EN201	2	5000	6400	12800
1"	9EN301	3	7500	9600	19200
1"	9EN401	4	10000	12800	25600
2"	9EN102	1	5000	6400	12800
2"	9EN202	2	10000	12800	25600
2"	9EN302	3	15000	19200	38400
2"	9EN402	4	20000	25600	51200
3"	9EN103	1	7500	9600	19200
3"	9EN203	2	15000	19200	38400
3"	9EN303	3	22500	28800	57600
3"	9EN403	4	30000	38400	76800
4"	9EN104	1	10000	12800	25600
4"	9EN204	2	20000	25600	51200
4"	9EN304	3	30000	38400	76800
4"	9EN404	4	40000	51200	102400
5"	9EN105	1	12500	16000	32000
5"	9EN205	2	25000	32000	64000
5"	9EN305	3	37500	48000	96000
5"	9EN405	4	50000	64000	128000
6"	9EN106	1	15000	19200	38400
6"	9EN206	2	30000	38400	76800
6"	9EN306	3	45000	57600	115200
6"	9EN406	4	60000	76800	153600

WARNING:

**DO NOT EXCEED
RATED CAPACITIES**

Type 5 – Endless Type Slings - are used in all styles of sling hitches.



NOTE: When ordering choose the proper width and capacity sling desired and use the stock number specified, and add length desired.

*Available up to 12" wide.

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LIFTING SLINGS

Returned Eye, Triangle, and Choker Slings




4

Type 6– Returned Eye Slings

Used for heavy duty applications where higher capacities and superior wear resistance are required. Wear pads (cordura nylon) are sewn to all sling surfaces, including eyes. Extremely durable compared to other sling types. Returned eye slings are used in all styles of sling hitches.

Specifications

Rated Capacities in
Pounds Per Type of Hitch

Sling Width	Stock #	# of Plys	 Choker	 Vertical	 90° Basket
2"	9RE102	1	3600	4600	9200
2"	9RE202	2	6000	7500	15000
3"	9RE103	1	5520	6900	13800
3"	9RE203	2	8480	10600	21200
4"	9RE104	1	6480	8000	16000
4"	9RE204	2	9700	13500	27000
6"	9RE106	1	9200	11500	23000
6"	9RE206	2	13200	16500	33000






Type 1 – Triangle/Choker Slings

Provide superior lateral support for sling web during choking application. Hardware is specifically designed and prepared for use with web slings. Contact surfaces have been ground smooth to eliminate premature web wear. Triangle choker slings are used in all styles of sling hitches.

Specifications

Rated Capacities in
Pounds Per Type of Hitch

Sling Width	Stock #	# of Plys	 Choker	 Vertical	 90° Basket
2"	9TC102	1	2500	3100	6200
3"	9TC103	1	3700	4600	9200
4"	9TC104	1	4900	6100	12200
6"	9TC106	1	7300	9100	18200




WARNING:
DO NOT EXCEED
RATED CAPACITIES

Type 2 – Triangle/Triangle Slings

Are similar to Type 1 but designed to be normally used in a basket hitch. Can be used in a vertical hitch but not recommended in choking applications.

Specifications

Rated Capacities in
Pounds Per Type of Hitch

Sling Width	Stock #	# of Plys	 Choker	 Vertical	 90° Basket
2"	9TT102	1	N/A	3100	6200
3"	9TT103	1	N/A	4600	9200
4"	9TT104	1	N/A	6100	12200
6"	9TT106	1	N/A	9100	18200



Type 1

Type 2

NOTE: Higher capacities available. Please call for information.

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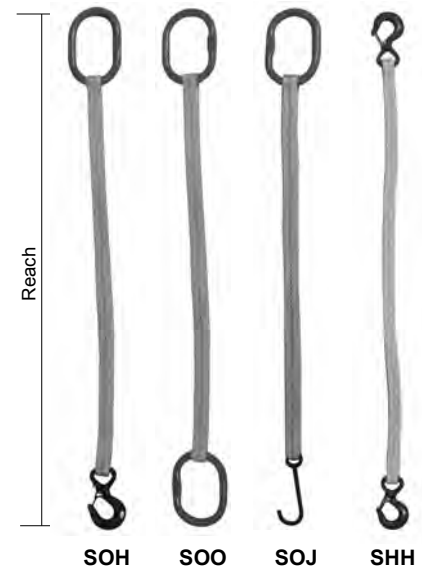
LIFTING SLINGS

Single and Double Leg Bridle Slings

Single and Double Leg Bridle Slings are available in a variety of sizes and styles. Sling hooks on all assemblies are complete with latches. Lighter in weight than comparable alloy chain or wire rope slings. Not suitable for conditions where temperature exceeds 180° F.

Single Leg Bridle Slings

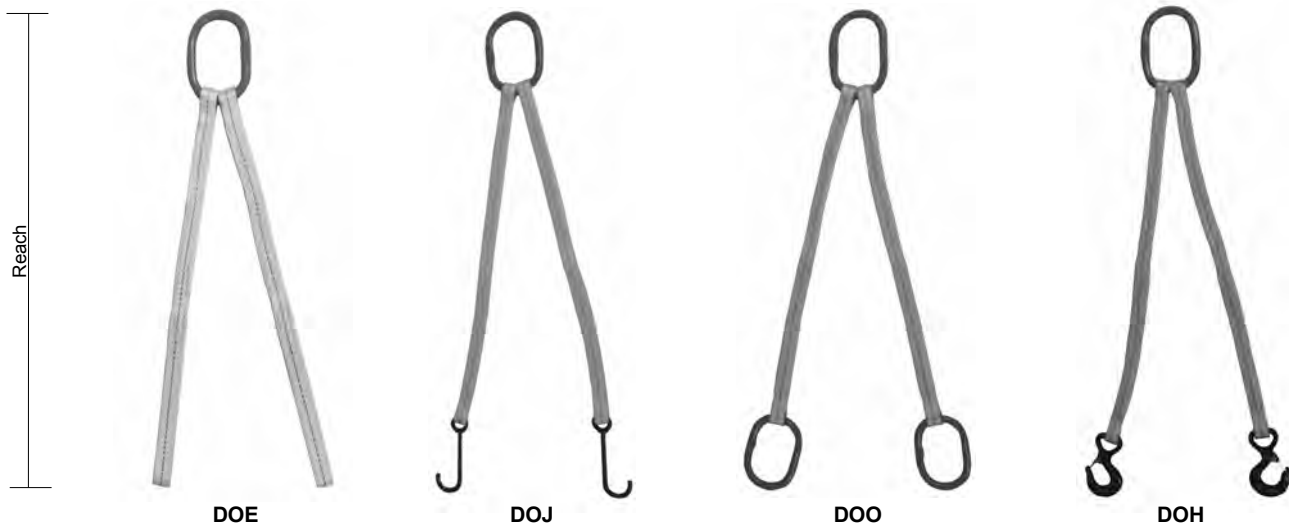
Web Slings Single & Double Bridle			Rated Capacities in Pounds At Sling Angle			
Sling Width	Stock #	# of Plys	Vertical	60°	45°	30°
1"	9SOH101	1	1600	N/A	N/A	N/A
1"	9SOO101	1	1600	N/A	N/A	N/A
1"	9SHH101	1	1600	N/A	N/A	N/A
1"	9SOH201	2	3000	N/A	N/A	N/A
1"	9SOO201	2	3000	N/A	N/A	N/A
1"	9SHH201	2	3000	N/A	N/A	N/A
2"	9SOH202	2	6000	N/A	N/A	N/A
2"	9SOO202	2	6000	N/A	N/A	N/A
2"	9SHH202	2	6000	N/A	N/A	N/A
1"	9DOH101	1	N/A	2750	2250	1600
1"	9DOO101	1	N/A	2750	2250	1600
1"	9DOE101	1	N/A	2750	2250	1600
1"	9DOH201	2	N/A	5100	4200	3000
1"	9DOO201	2	N/A	5100	4200	3000
1"	9DOE201	2	N/A	5100	4200	3000
2"	9DOH202	2	N/A	10200	8400	6000
2"	9DOO202	2	N/A	10200	8400	6000
2"	9DOE202	2	N/A	10200	8400	6000



WARNING: DO NOT EXCEED RATED CAPACITIES

NOTE: Consult with your WiscoLift Sales Representative for properly sizing the master ring.

Double Leg Bridle Slings



NOTE: Variety of master rings available.

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LIFTING SLINGS

**Wide Body / Cargo and
Attached Eye**

6

Wide Body / Cargo Slings

Ideally suited for lifts requiring both heavy duty capacity and good lateral support for the load. The wider bearing surface provides greater load control than is possible with narrower slings.

Web Slings Wide Body / Cargo Slings					Rated Capacities In Pounds
Sling Width	Stock #	Eye Length	Eye Width	Min. Length	Basket Hitch
6"	9CA106	12"	1-1/2"	3'	18500
6"	9CA206	12"	1-1/2"	3'	35000
8"	9CA108	12"	2"	4'	24000
8"	9CA208	14"	2"	4'	44000
12"	9CA112	14"	2"	5'	36000
12"	9CA212	20"	3"	5'	66000
16"	9CA116	18"	3"	6'	44000
16"	9CA216	24"	4"	6'	80000
20"	9CA120	24"	3-1/2"	8'	51500
20"	9CA220	24"	5"	8'	91500
24"	9CA124	36"	4"	10'	56400
24"	9CA224	36"	6"	10'	97500

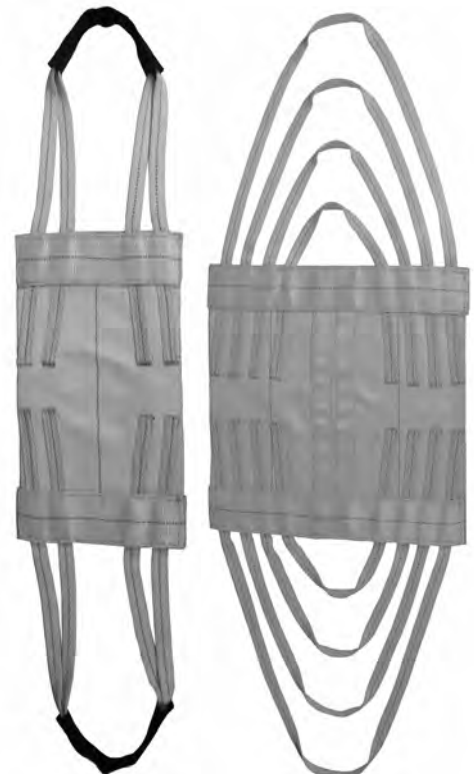
WARNING: DO NOT EXCEED RATED CAPACITIES

Attached Eye Slings

A cost effective solution for applications requiring a wider sling. These slings provide lateral support but have less capacity than wide body/ cargo slings. Configurations of eyes allows for smaller hoist hooks normally used with light capacity lifts. Eyes are Cordura wrapped for longer life.

Attached Eye Slings					Rated Capacities In Pounds
Sling Width	Stock #	Eye Length	Eye Width	Min. Length	Basket Hitch
6"	9CAA1-06	9"	1"	3'	6000
8"	9CAA1-08	9"	1"	3'	6000
10"	9CAA1-10	12"	1"	4'	6000
12"	9CAA1-12	16"	1"	4'	6000
16"	9CAA1-16	18"	2"	5'	10000
20"	9CAA1-20	20"	2"	5'	10000
24"	9CAA1-24	24"	2"	6'	10000

WARNING: DO NOT EXCEED RATED CAPACITIES



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LIFTING SLINGS




Round Slings and Sling Protectors

Polyester Round Slings

Polyester round slings are used in all style of sling hitches. Double wall cover protects load-bearing fiber from damage, cover abrasion will not reduce capacity. Round slings are color coded by capacity. Polyester round slings are lightweight and pliable and conform to the shape of the load to grip securely.

Specifications

Rated Capacities in
Pounds Per Type of Hitch

Stock #	Color	 Choker	 Vertical	 90° Basket
RST1	Purple	2120	2650	5300
RST2	Green	4240	5300	10600
RST3	Yellow	6720	8400	16800
RST4	Tan	8500	10600	21200
RST5	Red	10560	13200	26400
RST6	Orange	13440	16800	33600
RST7	Blue	17000	21200	42400
RST8	Orange	20000	25000	50000
RST9	Grey	25000	31700	63400
RST10	Orange	32000	40000	80000
RST11	Brown	42300	52900	105800
RST12	Olive	52880	66100	132200
RST13	Black	72000	90000	180000

WARNING: DO NOT EXCEED RATED CAPACITIES

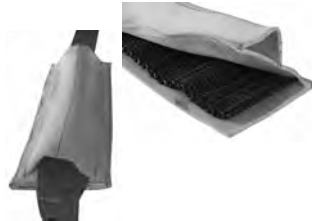


7

Sling Protectors

Metal Mesh

This durable metal mesh reinforced sling protector will protect your sling from wear and dirt.



High Strength Composite

Protect your sling from wear with this crush resistant, high strength composite.



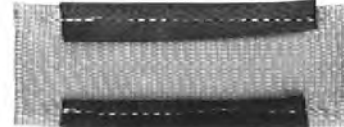
Wear Pads for All Slings

Buffers

Fixed Type Wear Pads



Sling Surface



Edge Guard

Sleeves

Sliding Type Wear Pads



Cordura Sleeve



Leather Sleeve

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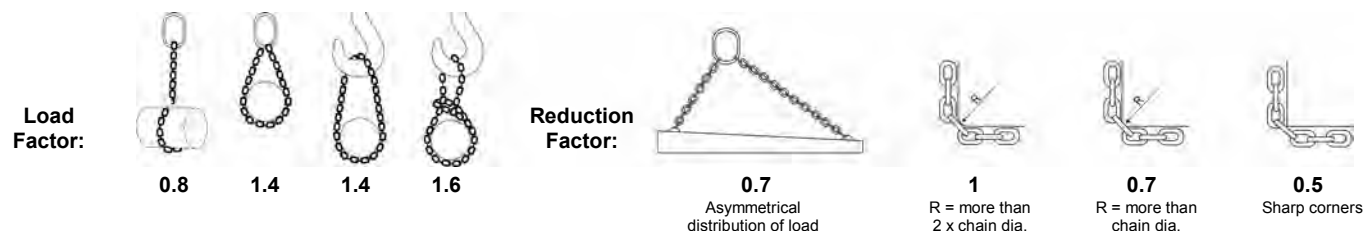
Maximum Work Load of Various Chain Sling Configurations

Design Factor	1-Leg Slings	2-Leg Slings			3-Leg & 4-Leg Slings		
4:1							
Angle	90°	60°	45°	30°	60°	45°	30°

Chain Size		Rated Capacity in Pounds						
Ni 5.50	7/32"	2700	4700	3800	2700	7000	5700	4000
Ni 70	9/32"	4300	7400	6100	4300	11200	9100	6400
Ni 80	5/16"	5700	9900	8100	5700	14800	12100	8500
Ni 100	3/8"	8800	15200	12400	8800	22900	18700	13200
Ni 130	1/2"	15000	26000	21200	15000	39000	31800	22500
Ni 160	5/8"	22600	39100	32000	22600	58700	47900	33900
Ni 200	3/4"	35300	61100	49900	35300	91700	74900	53000
Ni 220	7/8"	42700	74000	60400	42700	110900	90600	64000
Ni 260	1"	59700	103400	84400	59700	155100	126600	89550
Ni 320	1-1/4"	90400	156600	127800	90400	234900	191800	135600

WARNING: DO NOT EXCEED RATED CAPACITIES**Proof-Testing**

All of our new and repaired alloy chain slings are inspected, tagged, proof tested and documented.

**Reduction Factors**

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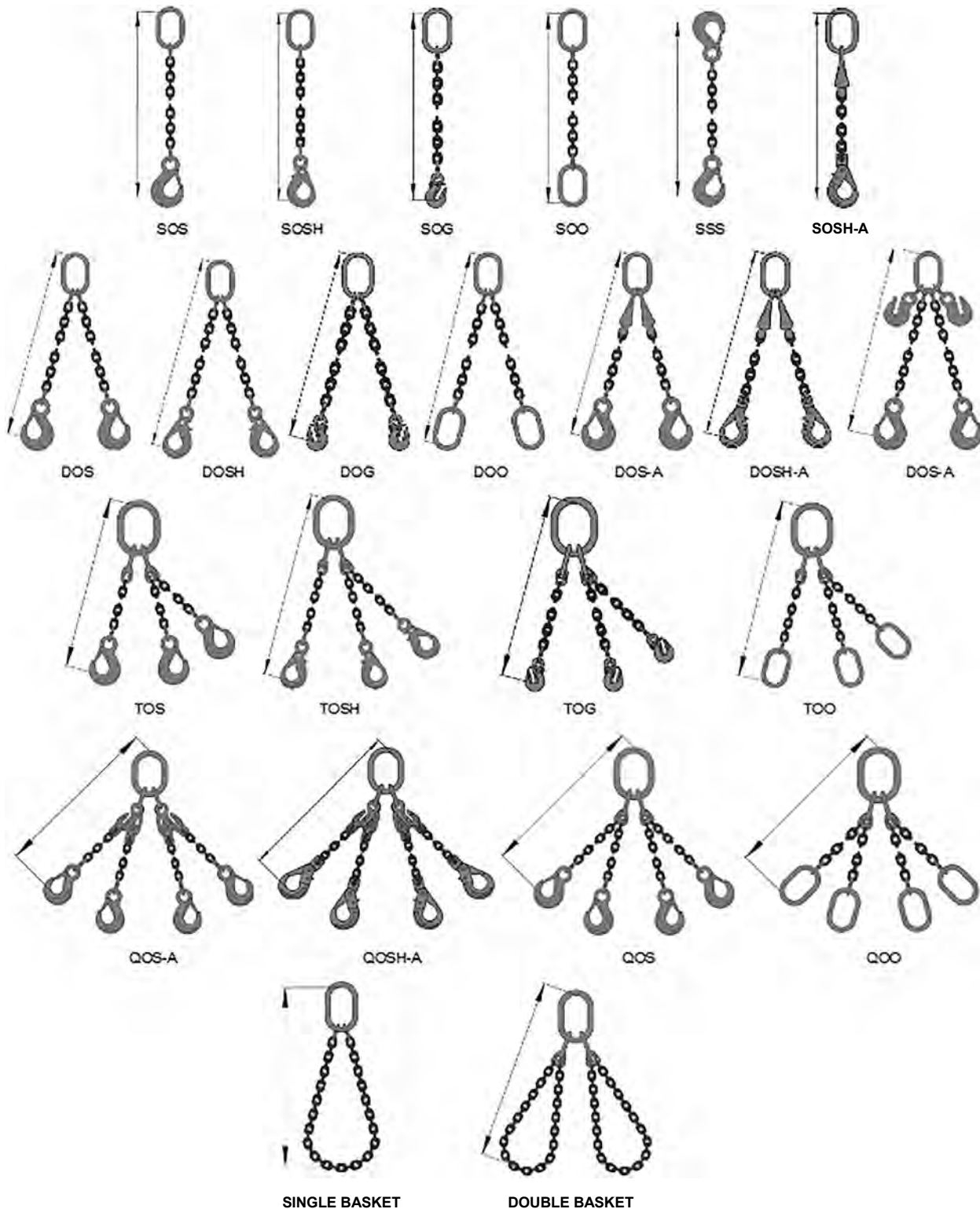
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LIFTING SLINGS

Alloy Chain Slings

Shown below are just some of the many types of chain slings available. Should you require any chain sling assemblies other than these, contact your WiscoLift Sales Representative for custom sling design.

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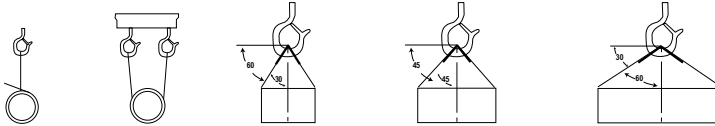
LIFTING SLINGS

Metal Mesh / Alloy Chain Slings

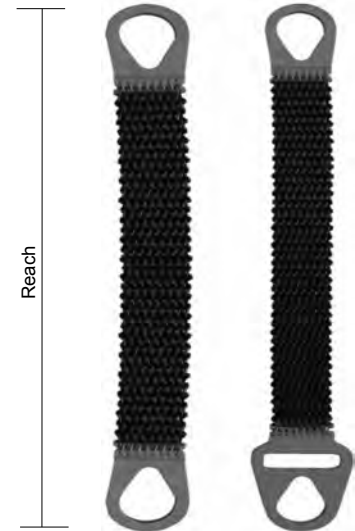
Wire Mesh Slings

Excellent for handling hot or abrasive loads and loads which could cut into a web sling. Metal mesh slings grip loads firmly helping to maintain balanced loads. An uncoated metal mesh sling can withstand temperatures of up to 550° F. Manufactured in accordance with OSHA and ANSI B-30.9 requirements.

- The metal mesh surface improves load balance and gripping power
- Resistant to kinks and tangles
- Tolerates high temperatures and abrasive loads without failure



Nominal Width	Choker	Vertical Basket	30° Basket	45° Basket	60° Basket
2"	1600	3200	2700	2000	1600
3"	3000	6000	5100	3800	2800
4"	4400	8800	7480	5600	4400
6"	6600	13200	11225	8400	6600
8"	8800	17600	15000	11250	8800
10"	11000	22000	18700	14000	11000
12"	13200	26400	22440	16800	13200
14"	15400	30800	26180	19600	15400
16"	17600	35200	29920	22400	17600
18"	19800	39600	33660	25200	19800
20"	22000	44000	37400	28000	22000



Alloy Chain Mesh

- Alloy steel for overhead lifting applications
- Fittings machined to exacting tolerances

Specifications

Chain Size	Chain Parts	Capacity Vertical	Capacity Choker 90°	Capacity Basket
7/32"	3	5000	5000	10000
	4	6700	6700	13400
	5	8400	8400	16800
	6	10800	10800	21600
9/32"	3	8400	8400	17600
	4	11200	11200	22400
	5	14000	14000	28000
	6	16800	16800	33600
3/8"	4	22700	22700	45400



WARNING:
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Single Part Mechanically Spliced Slings

Slings are fabricated with 6x19 class wire rope with six strands and an independent wire rope core (IWRC).

Excellent wear characteristics provided by larger outer wires make it ideally suited for wire rope slings.

Eyes are formed with industry preferred mechanically spliced Molly Flemish eyes.

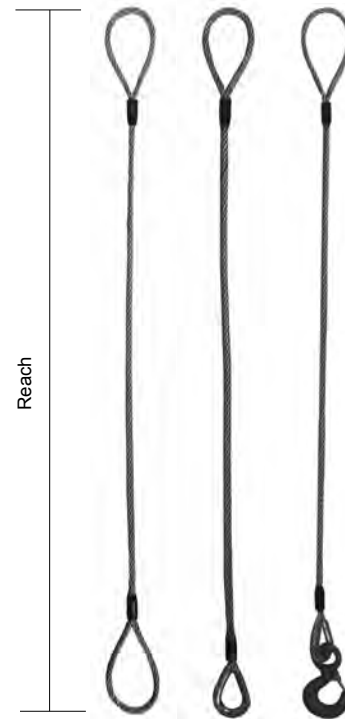
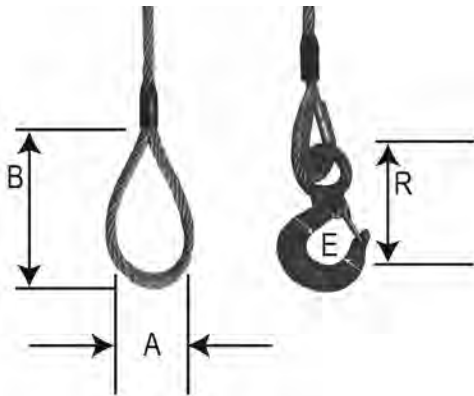
Specifications**Rated Capacity*-Tons**

Rope Dia. Inch	Vert. Hitch	Choker Hitch	Basket Hitch				Approx. Eye Dim. Inches		Hook Dim. Inches	
			Vert.	60°	45°	30°	A	B	E	R
1/4"	.56	.41	1.1	.97	.79	.56	2"	4"	15/16"	3-7/32"
3/8"	1.2	.92	2.4	2.2	1.8	1.2	3"	6"	1-1/16"	4-3/32"
1/2"	2.2	1.6	4.4	3.8	3.1	2.2	4"	8"	1-1/2"	5-3/4"
5/8"	3.4	2.5	6.8	5.9	4.8	3.4	5"	10"	1-7/8"	7-3/8"
3/4"	4.9	3.6	9.8	8.4	6.9	4.9	6"	12"	1-7/8"	7-3/8"
7/8"	6.6	4.8	13	11	9.3	6.6	7"	14"	2-1/4"	9-1/16"
1"	8.5	6.3	17	15	12	8.5	8"	16"	2-1/2"	10-1/16"
1-1/8"	10	7.9	20	18	15	10	9"	18"	2-1/2"	10-1/16"
1-1/4"	13	9.7	26	22	18	13	10"	20"	3-3/8"	12-1/2"
1-3/8"	15	12	30	27	22	15	11"	22"	3-3/8"	12-1/2"
1-1/2"	18	14	36	32	26	18	12"	24"	3-3/8"	12-1/2"
1-5/8"	21	16	42	37	30	21	13"	26"	4"	14-1/16"
1-3/4"	25	19	50	43	35	25	14"	28"	4-1/4"	18-5/16"
2"	32	24	64	55	45	32	16"	32"	4-3/4"	20-1/4"

* Rated capacities for unprotected eyes apply only when attachment is made over an object narrower than the natural width of the eye, and apply for basket hitches only when the D/d ratio is 20 or greater; where D=Diameter of curvature around which the body of the sling is bent, and d=nominal diameter of the rope.

* Working Load Limit

WARNING: DO NOT EXCEED RATED CAPACITIES



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E-mail: smartlift@wiscolift.com

LIFTING SLINGS

Wire Rope

Multi-Part Mechanically Spliced Slings

Multi-part slings have two, three, or four legs connected with thimble reinforced eyes to an alloy steel oblong master link. Hooks, thimble eyes, regular eyes, etc. are available for the opposite end of each leg. Please specify when ordering. All eyes are fabricated with mechanically spliced Molly Flemish eyes.

Specifications

Rope Size in Inches	Two Leg Bridle Sling Rated Capacity*			Three Leg Bridle Sling Rated Capacity*			Four Leg Bridle Sling Rated Capacity*		
	60°	45°	30°	60°	45°	30°	60°	45°	30°
1/4"	1.1	.97	.79	1.6	1.4	1.2	2.2	1.9	1.6
3/8"	2.3	2.1	1.7	3.5	3.1	2.5	4.6	4.2	3.4
1/2"	4.3	3.8	3.1	6.4	5.7	4.7	8.5	7.6	6.2
5/8"	6.6	5.9	4.8	9.9	8.8	7.2	13	12	9.6
3/4"	9.5	8.5	6.9	14	13	10	19	17	14
7/8"	13	11	9.3	19	17	14	26	23	19
1"	16	15	12	25	22	18	33	29	24
1-1/8"	19	17	14	29	26	21	39	35	28
1-1/4"	25	23	18	38	34	28	45	39	37
1-3/8"	29	26	21	43	39	32	58	52	42
1-1/2"	35	31	25	52	47	38	70	62	51

* Tons of 2,000#. Rated capacities for 2, 3 & 4 leg bridle slings are based on equal leg slings with the sling angle being the greater angle measured between any two of the sling legs. Safety first – inspect slings before each use for broken wire, kinks, crushing, etc.

WARNING: DO NOT EXCEED RATED CAPACITIES



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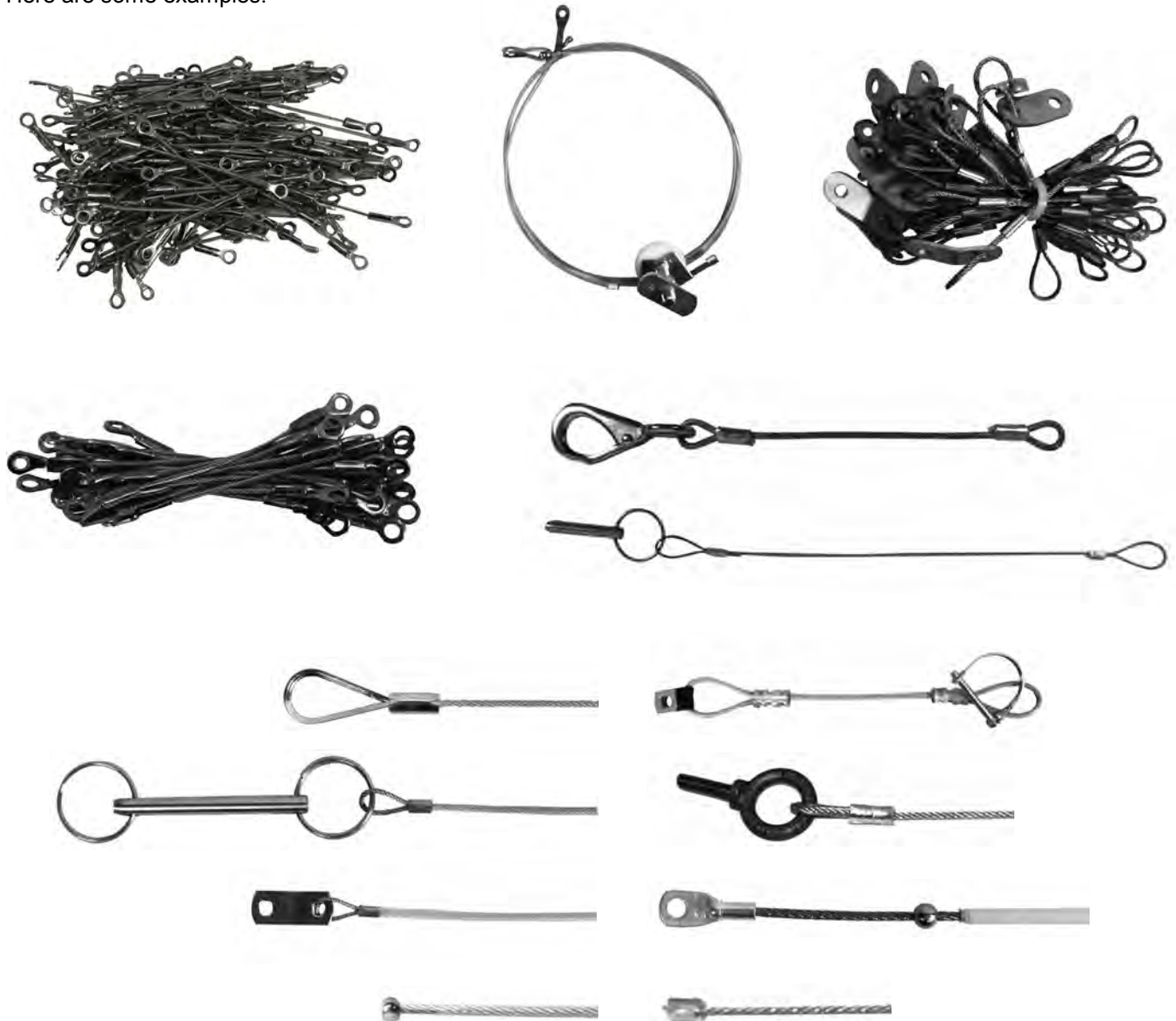
CABLE ASSEMBLIES

WiscoLift can design and fabricate custom mechanical cable assemblies to your exact specifications.

Our cable assemblies are manufactured in galvanized and stainless steel, uncoated and coated, clear and colored with an unlimited combination of sizes, lengths and end fittings. Other assemblies include chain, polyester or nylon webbing, and bungee cord. We can provide what you need, when you need it. No requirement is too big or too small.

Contact WiscoLift for cable lanyards, door cables, taglines, cable railings, marine applications, winch lines, hoist cables and special wire rope fabrications.

Here are some examples:



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CABLE ASSEMBLIES

Following is a sample of the many fittings and materials available.



Assembly Bank

Be guaranteed never to be without critical assemblies. Take advantage of WiscoLifts' Assembly Bank. At the Assembly Bank, quantities of your most critical assemblies are stored complete, labeled and packaged, ready for immediate shipment whenever you need them.

For more information, call your Sales Representative at 800-242-3477.

Equipment

WiscoLift has 4 swaging machines for attaching a wide variety of fittings, sewing machines, and testing equipment:

PROMEC 438 55 ton High Speed Press
PROMEC Q6000 175 ton High Speed Press
ESCO Mark 100 350 ton Press
ESCO Mark 150 500 ton Press
Markham High Speed Automatic Cable Cutter

High Speed Automatic Web Cutter
Singer and Consew Class 7 Sewing Machines
200,000# Horizontal Test Bed
12,000# Vertical Test Bed



NOTE: All of our test equipment is calibrated annually and is fully ASTM-4 compliant.

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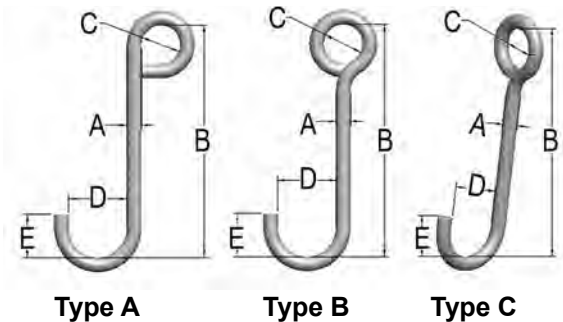


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Standard J Hooks

Specifications

Diameter of Material "A"	"B" Length	"C" Eye Diameter	"D" Bowl Width	"E" Tip Length	Capacity in Pounds
1/4"	5"	1"	1-1/4"	7/8"	100
5/16"	5"	1"	1-1/4"	7/8"	250
3/8"	6"	1"	1-1/2"	1-1/8"	365
1/2"	8"	1"	2"	1-1/2"	650
5/8"	9"	1"	2-1/2"	1-7/8"	1000
3/4"	10"	1"	3"	2-1/4"	1450
7/8"	12"	1"	3-1/2"	2-5/8"	1900
1"	14"	1-1/4"	4"	3"	2600
1-1/8"	15"	1-1/4"	4-1/2"	3-3/8"	2250
1-1/4"	16"	1-1/2"	5"	3-3/4"	2750
1-3/8"	17"	1-1/2"	5-1/2"	4-1/8"	3000
1-1/2"	18"	2"	6"	4-1/2"	3500
1-3/4"	20"	2-1/2"	7"	5-1/4"	4000
2"	24"	3"	8"	6"	5000



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NOTE: Inquire about our custom J hooks by selecting the Quote tab on WiscoLift.com.

Custom Paint Line Hooks

- Manufactured to exceed all ASME B30.20 and OSHA regulations
- Maximum use temperature is 400° F
- Round, square and hex stock available
- Proof load certificates shipped with every custom design
- Made in USA



Custom Lifting Hooks

- Manufactured to exceed all ASME B30.20 and OSHA regulations
- Maximum use temperature is 400° F
- Round, square and hex stock available
- Custom powder coating available
- Proof load certificates shipped with every custom design
- Made in USA



NOTE: Special alloys are available.

MACHINERY EYE BOLTS / SHACKLES

Eye Bolts

Specifications

Number	Shank Dia. & Thread	Shank Length	Eye I.D.	Eye O.D.	Capacity Straight Pull	Capacity 45° Angle Pull
21	1/4-20	1"	3/4"	1-1/4"	500	125
22	5/16-18	1-1/8"	7/8"	1-1/2"	900	225
23	3/8-16	1-1/4"	1"	1-21/32"	1400	350
24	7/16-14	1-3/8"	1-3/32"	1-27/32"	2000	500
25	1/2-13	1-1/2"	1-3/16"	2-1/16"	2600	650
26	9/16-12	1-5/8"	1-9/32"	2-9/32"	3200	750
27	5/8-11	1-3/4"	1-3/8"	2-1/2"	4000	1000
28	3/4-10	2"	1-1/2"	2-13/16"	6000	1500
29	7/8-9	2-1/4"	1-11/16"	3-1/4"	7000	1750
30	1-8	2-1/2"	1-13/16"	3-9/16"	9000	2250
31	1-1/8-7	2-3/4"	2"	4"	12000	2500
32	1-1/4-7	3"	2-3/16"	4-7/16"	15000	3750
34	1-1/2-6	3-1/2"	2-1/2"	5-3/16"	21000	4900



Shoulder Type Eye Bolts

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Working load limits for eye bolts are based on a straight vertical lift in a gradually increasing manner. Angular lifts will significantly lower working load limits and should be avoided whenever possible. If an angular lift is required, properly seat the shoulder of the bolt. Loads should always be applied to eye bolts in the plane of the eye, not at an angle to this plane. Angular lift must never be more than a 45° pull. Metric and stainless steel eye bolts are available.

Shackles

Specifications

Working Load Limit In tons	Nominal Size	Inside Width at Pin	Inside Width at Bow	Inside Length	Pin or Bolt Dia.
1/3	3/16"	3/8"	5/8"	7/8"	1/4"
1/2	1/4"	15/32"	25/32"	1-5/32"	5/16"
3/4	5/16"	17/32"	7/8"	1-1/4"	3/8"
1	3/8"	21/32"	1-1/32"	1-7/16"	7/16"
1-1/2	7/16"	3/4"	1-5/32"	1-11/16"	1/2"
2	1/2"	7/8"	1-1/4"	2"	5/8"
3-1/4	5/8"	1-1/16"	1-11/16"	2-17/32"	3/4"
4-3/4	3/4"	1-7/32"	2"	3"	7/8"
6-1/2	7/8"	1-13/32"	2-9/32"	3-9/32"	1"
8-1/2	1"	1-11/16"	2-11/16"	3-3/4"	1-1/8"
9-1/2	1-1/8"	1-27/32"	2-15/16"	4-1/4"	1-1/4"
12	1-1/4"	2"	3-9/32"	4-17/32"	1-3/8"
13.5	1-3/8"	2-1/4"	3-5/8"	5-1/4"	1-1/2"
17	1-1/2"	2-3/8"	3-29/32"	5-3/4"	1-5/8"
25	1-3/4"	2-29/32"	4-31/32"	7"	2"
35	2"	3-9/32"	5-7/16"	7-3/4"	2-1/4"
42.5	2-1/4"	3-3/4"	6-5/16"	8-3/4"	2-9/16"
55	2-1/2"	4-1/8"	7-3/32"	10-1/4"	2-3/4"
**85	3"	5"	7-15/32"	12-15/16"	3-1/4"

****Bolt type shackle only.**

Size, working load limit and trademark are permanently marked on all shackles. All shackles and pins are heat treated. Loads are based on a design factor of 6 to 1. When tested all shackles are pulled at a uniform rate of speed in a direct tension. Shackles meet performance requirements of federal specifications RR-C-271 D Type IVA.

WARNING:
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RATED CAPACITIES



Bolt Type Anchor Shackle



Screw Pin Anchor Shackle

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SWIVEL HOIST RINGS

Inch & Metric Sizes

Swivel Hoist Rings Working action – 360° swivel, 180° pivot. Material AISI 4140 aircraft quality. Finish: Black oxide per Mil Spec, cadmium plated also available. Design factor 5:1. 100% magnetic particle inspected. Certified heat treated. Serialized and proof tested to 200% of working load limit.

Specifications

AISI 4140 Rated Capacities

Rated Load in Lbs.	Part No.	Thread Size	Shank Length	Bale ID Radius	Bale Inside Length	Install Torque Ft/Lb
600	46100	1/4-20	.54"	.43"	1.27"	6
800	46102	5/16-18	.29"	.43"	1.27"	7
1000	46106	3/8-16	.54"	.43"	1.27"	12
2000	46000	7/16-14	.78"	.88"	2.37"	22
2500	46008	1/2-13	.78"	.88"	2.31"	28
2500	46007	9/16-12	.78"	.88"	2.25"	30
4000	46002	5/8-11	.78"	.88"	2.18"	60
7000	46204	3/4-10	1.04"	1.40"	3.06"	100
8000	46202	7/8-9	1.04"	1.40"	2.93"	160
10000	46210	1-8	1.29"	1.40"	2.81"	230
10000	46216	1-1/8-7	2.29"	1.40"	2.69"	230
15000	46802	1-1/4-7	1.89"	1.75"	4.12"	470
20000	46702	1-3/8-6	2.50"	2.00"	5.50"	540
24000	46404	1-1/2-6	2.70"	2.25"	6.41"	800
24000	46408	1-3/4-5	3.20"	2.25"	6.16"	800
30000	46400	2-4-1/2	3.20"	2.25"	5.91"	800
32500	46364	2-1/4-4-1/2	3.20"	2.25"	6.41"	800
50000	47006	2-1/2-4	4.00"	3.00"	8.03"	2100
55000	46366	2-3/4-4	4.00"	3.00"	7.75"	2100
75000	47200	3-4	5.00"	3.75"	8.48"	4300
100000	47402	3-1/2-4	7.00"	4.00"	9.28"	5100
250000	47602	6-4	9.00"	6.00"	14.00"	9900

WARNING:
DO NOT EXCEED
RATED CAPACITIES



AISI 4140 Hoist Ring



Stainless Steel Hoist Ring

NOTE: Longer shanks,
longer bales and
replacement bolt
kits available.



**Side Pull
Hoist Ring**



Lifting Ring



**Forged
Side Pull
Lifting Ring**



**Speed Base
Hoist Ring**



**Forged
Swivel
Hoist Ring**



**Forged
Hoist Ring**



**"Mold Handler"
Ball Bearing Swivel
Hoist Ring**



**Ultra Lifting Ring
Ball Bearing Swivel
Hoist Ring**

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LIFTING MAGNETS

PowerLift® Magnets

We recommend when lifting sheets over 8', use 2 or more lifts on a spreader bar to prevent sheet flexing, sagging or peel-off. Thin material is susceptible to magnetic bleed through, resulting in two sheets being lifted at once. Round Lifting Values are based on ideal conditions. Consult the factory before specifying these magnets for use on round materials. *Max. sheet lengths are selected due to sag characteristics of specified sheet. The item to be lifted must cover the entire length and width of the magnetic poles to properly engage and release the part. CF = Consult Factory, NA = Not Applicable (Magnets will not turn "ON" with stated thicknesses.)

- Capacity – flats from 250-6600#
- Handle locks in on/off position
- Lifts flats or rounds
- Conforms to ASME B30.20



Specifications

Capacity Per Thickness (Max. Sheet Length)

Model	Maximum Holding Value (Flat)	Maximum Holding Value (Round)	1/4" (6')	3/8" (8')	1/2" (8')	3/4" (8')	1" (10')	2" (10')	3" (10')
PNL0250	250#	125#	180#	250#	250#	250#	250#	250#	250#
PNL0800	800#	400#	270#	500#	615#	800#	800#	800#	800#
PNL1600	1600#	800#	CF	CF	800#	1600#	1600#	1600#	1600#
PNL2500	2500#	1250#	N/A	N/A	CF	CF	1490#	2500#	2500#
PNL5000	5000#	2500#	N/A	N/A	N/A	N/A	CF	2625#	5000#
PNL6600	6600#	3300#	N/A	N/A	N/A	N/A	N/A	N/A	6000#

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VersaLift™ Magnets

These compact and powerful Rare Earth lift magnets are for use on flat or round surfaces. Magnets contain an internal ON/OFF release device that does not contact or damage the surface of the part.

- Capacity – flats from 275-2500#
- Locking on/off Handle
- Test Load Feature
- Lift Flats or Rounds
- Conforms to ASME B30.20

- Includes Optional Vertical Lifting Lug



Battery Lift Magnet

- Capacities 2500-10000#
- Lifts Flats Only
- On-Board Charger
- Battery Charge Indicator



Electro Magnet Lifts

- Capacities 1200-13000#
- No separate power supply required
- Control switch "On, Off and Release" functions
- Lower wattage requirements, higher lifting capacities and a lower unit weight than competitors
- Plug not included



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LIFTING MAGNETS

Transporter®

The patented Transporter® Magnet utilizes a powerful, rare earth permanent magnet to pick and place heavy, non-flexing steel items, such as truck frames, or other rigid parts in automated transfer or manually operated material handling applications.

The Transporter® offers increased material handling safety and a significant reduction over vacuum cups in shop air costs.

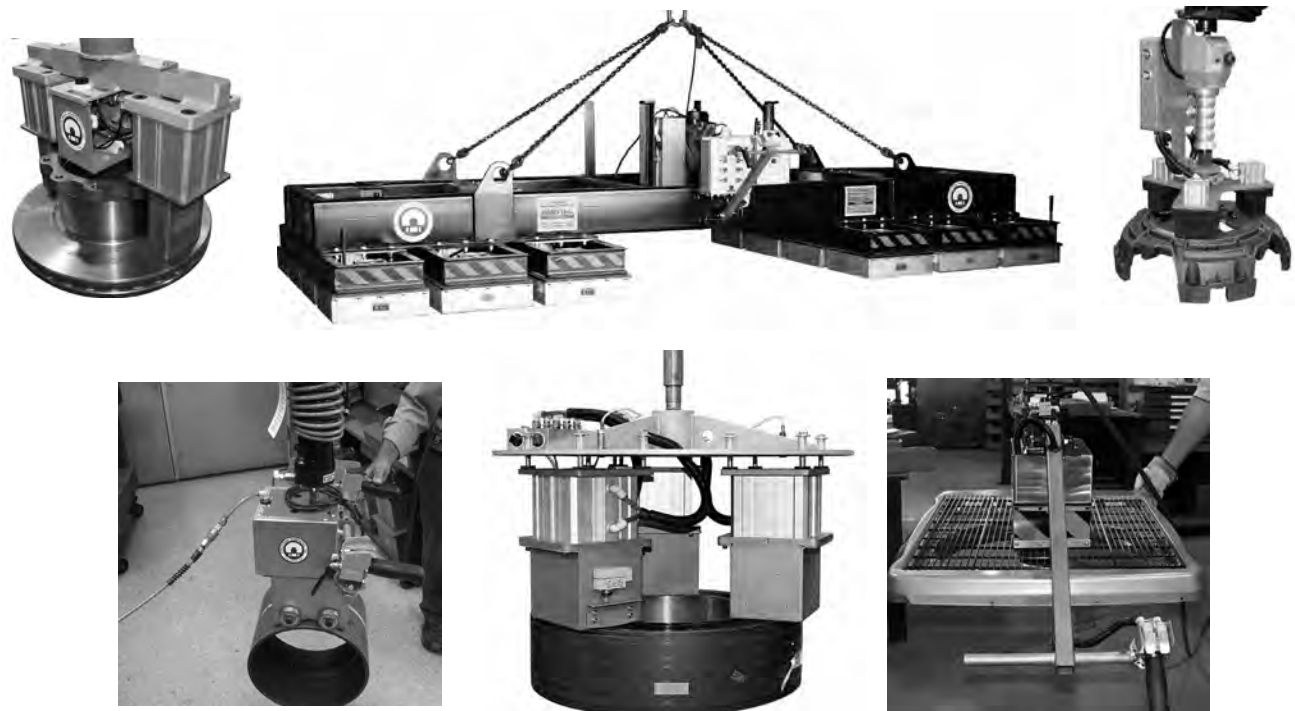
Ideal for applications in the Automotive, Appliance and Office Furniture industries, the Transporter® represents a new generation of tooling technology. Available in many standard and custom configurations to best suit the needs of your application.

Air Cylinder Actuated Permanent Magnet

- Controls Require No Electricity
- Basis for Custom Magnetic Lifters
- Will Not Drop Parts if Air Loss Occurs
- Ideal For Manual & Automated Applications



Custom Magnets



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PLATE CLAMPS

TERRIER
Factory
Authorized
Repair Center

Terrier Lifting Clamps – Free Shipping in the U.S.

- Terrier Lifting Clamps are lightweight, have a compact design and high standard quality.
- The special treatment of the cam and the pivot results in a high wear-and-tear resistance.
- Cams and pivots for special steel applications available.
- Wide range of “non-marring” clamps, for lifting wood, aluminum, stainless steel, etc.
- All clamps bear the CE-mark and are individually tested.
- The safety factor of each clamp is over 5 times the Working Load Limit (W.L.L.).
- The W.L.L. and the jaw opening are clearly marked in the body of the clamp.
- All clamps are delivered with a manual and an original test certificate.
- Terrier Lifting Clamps conform to ASME B30.20.

Vertical Lifting Clamps

TSU/STSU

- Capacities 1650-66,000#
- Universal shackle
- Locked in open/closed position
- Jaw opening capacities 0-5.91"
- Clamps weight 4-355#



TS/STS

- Capacities 1650-66,000#
- Locked in open/closed position
- Jaw opening capacity of 0-5.91"
- Clamps weight 3.5-326.5#



TSU-R

- Capacity 4400#
- For lifting **stainless steel** plates and structures
- Jaw opening capacity of 0-.79"
- Clamps weight 16#



Horizontal Clamps

FHX/FHSX

- Capacities per pair 2200-33,000#
- When using the FHX/FHSX lifting clamps, a minimum of 2 clamps must always be used
- For the horizontal lifting and transporting of steel plates
- Jaw opening capacities 0-5.90"
- Clamps weight 6-110.5#



TNMH

- Capacity per pair 2200-13200#
- When using the TNMH lifting clamps, a minimum of 2 clamps must always be used
- Jaw opening capacity of 0-1.97"
- Clamps weight 5.5-37.5#



THSK

- Capacity per pair 3300-19800#
- When using the THSK lifting clamps, a minimum of 2 clamps must always be used
- For lifting, handling and transporting banded/secured stacks
- Jaw opening capacity of .12-16.54"
- Clamps weight 20-65#



Screw Clamps

FSV/FSVS/FSVSU

- Capacities 2200-22000#
- For lifting, pulling, or as an anchor point in the transporting of steel beams and stainless steel plates and structures
- Jaw opening capacities 2.95-22.04"
- Clamps weight 9-110.5#



TSCC

- Capacities 1100-6600#
- Universal screw clamp for vertical and horizontal lifting
- Jaw opening capacity of 0-3.94"
- Clamps weight 2-40#



TBS

- Capacities 3300-6600#
- For use as a temporary lifting point in any room where HP-profile is being used
- Designed for HP100-HP240
- Clamps weight 7-15#



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PLATE CLAMPS

Special Applications

TBLC

- Capacities 1100-6600#
- For the vertical lifting and transporting of various materials, such as steel, wood, plastic, concrete, marble, etc. which have parallel sides.
- Jaw opening capacity 1.18-19.69"
- Clamps weight 16-71#



TBC (Concrete use only)

- Capacity 2200#
- For vertical lifting and transporting of concrete pipe and wells
- Jaw opening capacity 2.36-4.72"
- Clamps weight 10#



TVKH

- Capacity 1320#
- For lifting, handling and transporting of oil drums, where the drums have to stay in an upright position
- Clamps weight 16#



Crosby® Lifting Clamps

- Crosby® lifting clamps include company name, logo, Working Load Limit (W.L.L.) and jaw opening permanently stamped on the body.
- Each product is individually serialized, with the serial number and proof load test date stamped on the body.
- Welded alloy steel body for strength and smaller size.
- All sizes are RFID equipped.

Non-Marring Vertical Lifting Clamps

IPNM10P

- Capacities .5-1 ton
- Full 180° turning range for material transfer, turning or moving
- Protective cover reduces the risk of damage to surrounding plates
- Jaw opening capacity of 0-.75"
- Clamps weight 6.92-9.9#



Universal Lifting Clamps

IPVUZ

- Capacities .75-1.5 ton
- Universal hoisting eye
- Designed specifically for the transfer of small profiles
- Jaw opening capacity 0-.75"
- Clamps weight 5.07-19.6#



Horizontal Lifting Clamps

IPH10E / IPH10JE

- Capacities per pair 2-12 ton
- Two or more clamps must be used together
- For non-sagging bundles and/or materials
- Jaw opening capacity 0-4.73"
- Clamps weight 12.1-47.4#



IPU10H

- Capacities .5-6 ton
- Universal hoisting eye
- Suitable for lifting, turning 180° and vertical transfer of steel plates
- For use on materials with a surface hardness up to 450 HB
- Jaw opening capacity 0-2"
- Clamps weight 4.19-65.1#



IPHOZ

- Capacities per pair .75-25 ton
- Two or more clamps must be used together
- For use on thin sheet and other materials that will bend or sag when lifted
- Jaw opening capacity 0-2.38"
- Clamps weight 6.60-86#



IPU10S

- Capacities .5-12 ton
- Universal hoisting eye
- Designed specifically for **stainless steel** material
- For use on materials with a surface hardness up to 345 HB
- Jaw opening capacity 0-2.13"
- Clamps weight 4.19-67.3#



CRANES

Work Station Cranes & Ergonomic Lifting Products

**Top-Tier
GORBEL®
DISTRIBUTOR**
Nationally
Recognized

Gorbel® Work Station Cranes

As an innovator and leader in the enclosed track work station crane industry, Gorbel® has over 30 years experience providing overhead handling solutions from 50 lbs. to 40 tons to customers in a wide range of industries. Gorbel® has a comprehensive line of crane technology products, including work station bridge cranes, patented track cranes, I-beam jib cranes, gantries, and work station jib cranes. They also have an exciting line of Ergonomic Lifting products, featuring the G-Force® Intelligent Lifting Device, Easy Arm® Intelligent Lifting Arm, and G-Jib®. Their newest line, Tether Track™ Fall Arrest Safety Systems, provides a turn-key fall protection solution that exceeds OSHA standards.



Work Station Bridge and Jib Cranes

Freestanding Work Station Bridge Cranes

- Capacities 250-4000#
- Rectangular Coverage with up to 34' bridge and 124' runway standard
- Standard support distances of 20', 25', and 30'
- Easy to move and position loads
- Modular design for greater flexibility
- Doesn't require existing support structure



Ceiling Mounted Work Station Bridge Cranes

- Capacities 250-4000#
- Rectangular coverage with up to 34' bridge and 124' runway standard
- Standard support distances of 20', 25', and 30'
- Easy to move and position loads
- Modular design for greater flexibility
- Needs adequate overhead structure to support the load of the crane



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NOTE: Custom designs available.

Ergonomic Lifting Products

G-Force® Intelligent Lifting Device

- Capacities 165-1320#
- Speeds up to 200' per minute
- Can cover multiple work cells
- Rapid return on investment through increased productivity and reduced product damage
- Decreases risk of operator injury creating a safer work environment
- Higher environmental ratings (more tolerant to dust and liquid)
- Enhances job performance



Under Hung Easy Arm™

- Capacity 165#
- Spans to 10'
- Speeds up to 150' per minute
- Mount to a ceiling or manipulator platform
- Adequate overhead structure required to resist the forces imposed by the system
- Cost effective turnkey solution



Free Standing Easy Arm™

- Capacities 165 and 330#
- Spans from 6-14'
- Height under hook of 6-11'
- Speeds up to 150' per minute
- Cost effective turnkey solution



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G-Jib™

The G-Jib™ is a servo-powered lifting device that fuses the G-Force® technology with the enclosed track work station jib crane. We've mounted the G-Force® actuator near the mast of the jib, so you're not moving that dead weight like you do with traditional jib and hoist combinations.



Free Standing G-Jib™

- Capacity up to 1000#
- Spans to 16'
- Heights under boom to 14'

Wall Mounted G-Jib™

- Capacity up to 1000#
- Saves valuable floor space
- Provides hook heights over 11'

Workstation Jib Cranes

Free Standing Work Station Jib Crane

- Capacity up to 1,000#
- Coverage: circular, standard spans to 16'
- 360° rotation
- Designed to support tool balancers, air balancers, vacuum lifters, and hoists



Wall Mounted Work Station Jib Crane

- Capacity up to 1000#
- Coverage: circular, standard spans to 20'
- 200° rotation
- Can be mounted to a wall or column



Aluminum Tie Rod Jib Crane

- Capacity up to 2000#
- Coverage: circular, standard spans to 20'
- 200° rotation
- Made of light weight aluminum enclosed track
- Tie rod minimizes deflection for more precise positioning



Articulating Jib Cranes

Freestanding

- Capacity up to 2000#
- Coverage: circular, standard spans to 16'
- 360° rotation at each pivot point
- Can be used with hook mounted lifting devices (electric, air, or vacuum)



Wall/Column Mounted Articulating Jib Crane

- Capacity up to 2000#
- Coverage: circular, standard spans to 16'
- 200° rotation on the primary boom



Free Standing & Wall Mounted PIVOT PRO™

- Capacity up to 150#
- Coverage: circular, standard spans to 12'
- Designed to work with all brands of vacuum lifting equipment



Ceiling Mounted

- Capacity up to 2000#
- Coverage: circular, standard spans to 16'
- 360° rotation at each pivot point
- Can be used with hook mounted lifting devices (electric, air, or vacuum)
- Can be mounted to a platform supported from a bridge crane to swing outside the normal coverage of a bridge crane - Contact WiscoLift, limited to certain capacities and spans



CRANES



Tool Solutions Jibs

Weight Capacity to 50 lbs.

- Free standing & wall mounted
- Coverage: circular, standard spans from 4' to 10'
- Standard heights from 8' to 10'
- 180° rotation
- Designed to be smaller, lighter and more cost effective for applications with suspended tools



Weight Capacity to 150 lbs.

- Free standing & wall mounted
- Coverage: circular, standard spans from 4' to 12'
- Standard heights from 8' to 10'
- 200° rotation
- Designed to be smaller, lighter and more cost effective for applications with suspended tools



Gorbel® Tether Track™ Rigid Rail Fall Arrest Systems

- Designed by qualified engineers, Tether Track™ meets OSHA 1926 Subpart M Construction standard and ANSI Z359 Fall Protection Code.
- Features an enclosed track, exclusively designed for easy movement and provide the highest degree of mobility and safety for single or multiple workers.
- Unlike wire rope systems, Gorbel® Tether Track™ Fall Arrest Systems deliver shorter free fall distances, reduced risk of secondary fall injuries and an uninterrupted experience for a second worker in the event of a fall.



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Monorail



Swing Arm



Freestanding Monorail



Single Pole

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ICON Articulating Arm Lifting System

- Units available with capacities 150# and 500#
- Ideally suited for picking/placing in hard to reach locations
- Each unit includes a high quality Harrington variable speed electric chain hoist
- Almost unlimited applications
- Excellent for lifting with hooks, magnets or vacuum lifts
- Available mounting plates adapt to custom lifting & manipulating devices
- Portable bases available



Jib Cranes and Gantries

Tie Rod

- Capacity up to 6000#
- Spans up to 20'
- Double tie rod construction
- Hand geared and motorized units available
- Longer spans available



Heavy Duty

- Capacity up to 10,000#
- Spans up to 20'
- 360° rotation
- Motorized units available
- Tapered roller bearing at top
- Jib includes mast, head and boom
- Base plate is welded to mast
- No stress on building wall or columns
- Allows for maximum hook lift



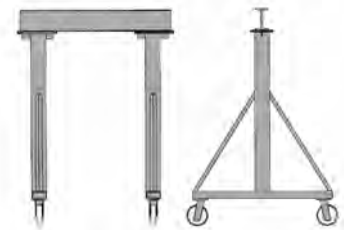
Foundationless

- Capacity up to 1/2 Ton
- 360° rotation
- Spans up to 13', and height up to 13' under boom
- Jib includes mast, head and boom
- Base plate is welded to mast
- No stress on building wall or columns
- Allows for maximum hook lift
- Contact WiscoLift for details



Portable Gantry

- Capacities 1-5 ton
- Beam lengths 8-16'
- Supplied with four roller-bearing steel wheels for easy maneuverability
- Ideal for use in aircraft, automotive, and marine repair shops



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Motorized Overhead Bridge Cranes

- Capacities 1–80 ton
- Top and under running
- I-beam construction & engineered box girders
- Standard features:
 - VFD controlled bridge & trolley
 - 2 speed hoist
 - Bridge travel limits
 - Low headroom hoist design



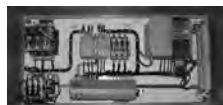
CRANES

Bridge Cranes



Crane Controls

- Pre-engineered and custom engineered control panels
- Single or multiple motion controls
- Standard features
 - Thru-door disconnect
 - Motor thermal overload protection
 - Brake contactor
 - Branch fusing
 - NEMA4/12 enclosures



FLEX EX Radio Remote Controls

- I-CHIP design allows for universal spare transmitter
- Advance frequency management
- More than 200 programmable functions
- Variety of available accessories
- Specialty models
 - A/B Selector
 - Tandem operation
 - Receiver select



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SBP® Pendant Pushbutton Stations

- Ergonomic design for greater comfort and less fatigue
- Single and two-speed button pairs have mechanical interlocks for greater safety
- Switches are rated for 3 Amps, 250 Volts AC
- Factory pre-wired pendants ship with minimal lead time



Collision Avoidance Systems

- Infrared and laser technology
- Multiple programmable control zones and emergency signals
- Programmable sensing ranges
- May be retrofitted to all types of motorized cranes or installed as new equipment



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HOISTS/TROLLEYS

**Electric Chain & Wire
Rope Hoists**

**FACTORY
CERTIFIED
Warranty
Repair Center**

3 Phase Harrington Electric Chain Hoists

- Capacities 1/8 ton through 20 ton
- 60 minute, H4 rated motor for the most demanding applications
- "The Guardian" Smart Brake Technology revolutionary DC current motor brake with electrical fail safe design and 10 year warranty
- Single and adjustable dual speed via under-the-cover variable frequency drive
- All standard models are UL listed to UL 1340 "Standard for Hoists"
- Completely sealed body suitable for harsh indoor or outdoor environments- IP55 rated
- Plug in pendant and power supply cords save time on set up and maintenance
- Super strength, nickel-plated load chain is corrosion and wear resistant
- 5 or 6 pocket load sheave improves chain life and promotes smooth lifting

Special Application 3 Phase

NER-FG Food Grade Hoist

- Capacities 1/4-2 Ton
- Food grade oil and grease
- White epoxy paint for hoists, trolleys, hooks and suspenders
- Nickel-plated load chain
- Lubricants comply with FDA standards
- Many options available



TNER Concert Hoist

- Capacities 1/2-2 Ton
- Complies with the German regulation BGV-D8
- Meets CE Declarations
- Sleek round body with no sharp edges
- Grease packed gear box
- Lifting handles integrated into hoist body
- Fits in to standard road cases



(N)ERCC Cylinder Control Hoist

- Capacities 1/8 Ton and 1/4 Ton
- In-line grip for one-handed operation and user comfort
- Operators free hand easily positions the load
- Adjustable dual speed via under-the-cover variable frequency drive



Single Phase Electric Chain Hoists

ED Dual Adjustable Model

- Capacities 125-525#
- Unique cylinder control for user comfort
- High / low speed selection with variety of high speeds support fast production needs
- Easily installed, transported and stored



ED Single, Dual Speed & Infinity Model

- Capacities 125-1050#
- Lightweight and compact die cast aluminum body
- Variety of high speeds support fast production needs
- Easily installed, transported and stored



SNER

- Capacities 1/4-3 Ton
- 60 minute, H4 rated, fan cooled motor for the most demanding applications
- Pull-rotor electric brake is self-adjusting and virtually maintenance-free
- Ability to accommodate very long lifts
- Compact, low headroom design
- Completely sealed body suitable for harsh indoor or outdoor environments - IP55 rated



Wire Rope Hoists

- Capacities 5, 7 1/2 and 10 metric ton
- Base Mounted, Monorail or Top Running
- Can be built to accommodate a variety of gauge sizes
- Premium fatigue & wear resistant wire rope
- RHN Protection Unit (RPU) with overload cutoff and count hour meter
- Trolley features ASTM A572/A992 structural steel beam frame



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Air Hoists

TCR

- Capacities ¼ Ton through 6 Ton
- Very fine feathering control for variable speed and precise load positioning
- Pendant & pull cord controls available
- Spring-loaded vane motor and pilot air control provide extremely fine feathering ability
- Unlimited duty cycle for severe applications
- Adjustable load limiter stops lift when load is over rated capacity
- Enclosed heavy-duty disc brake provides reliable braking action



TCS – “Cheetah”

- Capacities ¼ Ton through 1 Ton
- Exceptional high speed lifting performance
- Very fine feathering control allows precise load positioning
- Pendant & pull cord controls available
- Spring-loaded vane motor and pilot air control allow extremely fine feathering ability
- Unlimited duty cycle for severe applications
- Adjustable lifting and lowering speeds increase production capabilities
- Enclosed heavy-duty disc brake provides reliable braking action



AL

- Capacities ¼ through 5 Ton
- Ex certified **spark resistant** to level Ex II 2GD c T5 IIB T100°C and are in compliance with the EU ATEX directive
- Can operate completely dry leaving no lubrication in the exhaust air
- AL Series hoists can also operate with oil for longer vane life
- Pendant, cord or twist rod control
- Heavy-duty disc brake
- Reliable vane motor
- Plated and blue-chromated steel load chain
- Planetary gearing system



AH - “Mini-Cat”

- Capacities 250# and 500#
- Very fine feathering ability for complete load control
- Pendant, pull cord & manipulator handle controls available
- Unlimited duty cycle to handle every production need
- High speed lifting increases production capabilities
- Low noise levels for operator comfort



Magna Plain Trolley

- Tested to 150% of rated capacity
- Anti-drop lugs are standard
- Sealed ball-bearing wheels
- Meets ASME/ANSI standards



Specifications

Model	PTR050	PTR100	PTR200	PTR300	PTR500	PTR750	PTR1000 Two Trolley Pins
Capacity (Lbs)	1100	2200	4400	6600	11000	16500	22000
I-Beam Flange Width (In)	2.95 – 8.0	2.95 – 8.0	3.93 – 8.0	3.93 – 8.0	4.92 – 8.0	5.90 – 8.0	5.90 – 8.0
Min. Radius Curve (In)	35.43	51.18	59.05	78.40	102.36	118.11	118.11
Headroom (In)	4.7	4.7	6.1	7.3	8.7	10.0	11.3

HOISTS/TROLLEYS

Lever Hoists and Chain Hoists

Magna Lifting Products

Lever Hoists

- Capacities 550-19800#
- Load tested to 150% of rated capacity
- High quality alloy chain meets all international safety standards
- Single-hand control of free-chain function with load brake
- Weston-type load brake
- 5, 10, 15 and 20' standard lifts
- Meets ASME/ANSI standards

Options

- Overload protection
- Shipyard hooks

NOTE: Custom lifts available.

Specifications

Model	LH025	LH075	LH100	LH150	LH300	LH600	LH750	LH900
Capacity (Lbs)	550	1650	2200	3300	6600	13200	16500	19800
Net Weight (Lbs)	5.2	17.6	17.6	24.3	37.5	57.3	92	106
Number of Falls	1	1	1	1	1	2	3	3
Min. Distance Between Hooks (In)	9.65	11.02	11.02	13.00	17.77	21.65	25.98	27.17
Pull to Lift Capacity (Lbs)	70	64	64	64	77	77	77	77



Chain Hoists

- Capacities 1100-44000#
- Load tested to 150% of rated capacity
- High quality alloy chain meets all international safety standards
- Rugged steel casing protects gears and bearings
- Spur gear design for efficiency, portability, and economy
- Equipped with a mechanical brake for load control in lifting and spotting
- Meets ASME/ANSI standards

WARNING:
**DO NOT EXCEED
RATED CAPACITIES**

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Specifications

Model	CH 050	CH 100	CH 150	CH 200	CH 300	CH 500	CH 750	CH 1000	CH 1500	CH 2000
Capacity (Lbs)	1100	2200	3300	4400	6600	11000	16500	22000	33000	44000
Net Weight (Lbs)	24	28	31	48	51	90	126	172	331	419
Number of Falls	1	1	1	1	2	2	3	4	6	8
Hand Chain Overhaul for 1 Ft Lift (Ft)	40.3	40.3	54.4	84.3	108.8	187.0	285.4	374.0	285.4	374.0
Min. Distance Between Hooks (In)	12.40	12.40	13.39	14.96	18.70	25.00	27.50	29.92	33.46	34.25
Pull to Lift Capacity (Lbs)	53	73	75	75	77	86	90	90	90 x 2	90 x 2



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VACUUM LIFTS

**FACTORY
CERTIFIED
Warranty
Repair Center**

Anver®

Anver® offers a full range of vacuum system components including suction cups, vacuum cups, electric, mechanical and air vacuum pumps and vacuum generators. In addition, they offer ergonomic vacuum lifters for easier mobility and safety. All products are designed and built in Hudson, MA, USA.

Vacuum Lifters with Mechanical Generators

- No installation required. Simply attach the hook of a hoist, crane, or boom truck to the lifter and it's ready for operation!
- Each lifter comes standard with a vacuum loss sensor and warning device
- Attach and release are controlled by the up and down movement of the hoist. The vacuum control valve alternates between attach and release each time the lifter is picked up or set down.
- An operator cannot release a load without setting down the lifter load and until the chain is slack.
- No control buttons of any kind on the lifter.
- No external power source or festooning required.
- Unit can be spun around 360° without limitation, as there are no electric or air lines to tangle.
- Not affected by power failures or power brownouts.
- Safe around water burning tables.
- Totally silent operation creates no oil mist or pollution.
- Extremely efficient, low-cost operation.
- Lowest maintenance requirements of all vacuum lifters.
- Rebuilds are infrequent and simple.
- Suitable for 100% duty cycle, 24 hours a day operation.
- They never overheat or burn-out

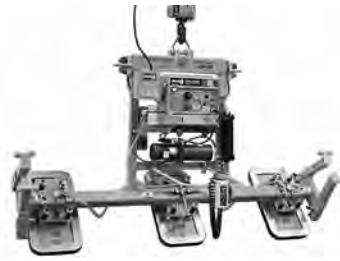
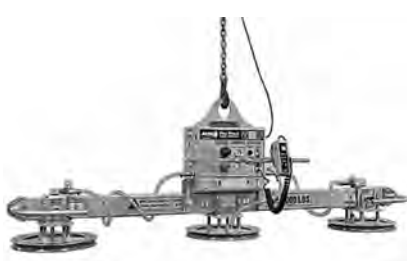
Vacuum Tube Lifting Systems

- Capacity to 650#
- Ergonomic lift assist devices
- Designed for high production use
- Continuous duty cycle
- Unlimited starts and stops per minute are possible
- Vacuum attachment to and release of the load is instantaneous



Vacuum Lifters with Powered Vacuum Generators

- Electric and compressed air powered vacuum generator
- Each lifter comes standard with a vacuum loss sensor & warning device
- 110 VAC or 90psi clean compressed air for vacuum generation.
- Power assisted or gravity tilt available



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LIFTING / SPREADER BEAMS

- Manufactured to exceed all ASME B30.20 and OSHA requirements
- Painted safety yellow for increased visibility
- Durable construction ideally suited to jobsite or warehouse use
- Proof tested according to OSHA requirements
- Made in U.S.A.

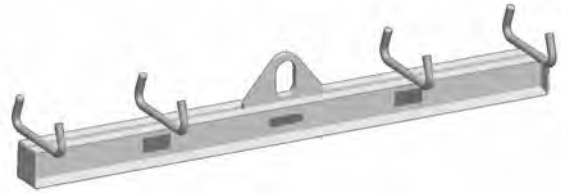
Fixed Length and Adjustable Spreader Beam

- Capacities 4000-100,000#
- Spans 4-20'
- Standard with swivel latch hooks or shackle plates
- Ideally suited for adding stability to critical lifts
- Top rigging available



Basket Lifting Beam

- Capacities 1000-10,000#
- Spans 4-16'
- Designed to be used with lifting slings in a basket hitch
- Two sets of lifting sling hooks are standard
- Hooks designed for 2" eye width
- Custom configurations available



Coil Lifter/Upender

- Capacities 1000-7000#
- Weights 17-61#
- Easy horizontal to vertical upending of coils



Material Handling Pallet Lifter

- Capacities 2000-8000#
- Fork length 36"
- Converts crane or hoist into aerial forklift



Economy Fixed Span Lifting Beam

- Capacities 500-6000#
- Spans 2-10'
- Shackle bottoms standard for rigging connections



Bulk Container Lifting Beam

- Capacities 2000# and 4000#
- Spans 36" and 48"
- Machined to exacting tolerances



LIFTING/SPREADER BEAMS

Low Headroom, Multiple Length Lifting Beam

- Capacities 1000-40,000#
- Fixed and adjustable length
- Spans 4-20'
- Standard with alloy swivel latch hooks
- Ideally suited for adding stability to critical lifts



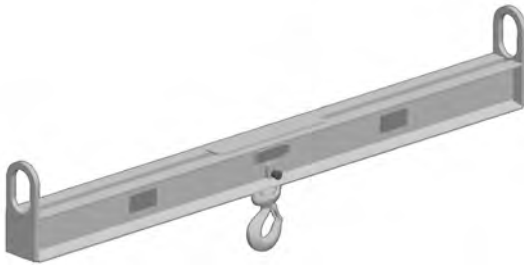
Ultra Low Headroom Lifting Beam

- Capacities 1000-10,000#
- Provides spacers to assure hook remains centered
- Standard with alloy swivel latch hook connections
- Hoist hook nests within beam



Twin Hoist Lifting Beam

- Capacities 4000-20,000#
- Quick and easy lifting of loads with two hoists
- Standard alloy swivel hook bottom connection
- Load-bearing swivel hook, eye hook, and custom connections available



Small Span Lifting Beam

- Capacities 500-20,000#
- Spans 12-26"
- Supplied with shackles



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Adjustable Lifting Beam

- Capacities 2000-15,000#
- Quick and easy adjustment for unbalanced loads
- Ideally suited for low headroom applications
- Shackle bottoms standard for rigging connections
- Swivel hooks, eye hooks & custom connections available



Roll Lifting Beam

- Fixed or adjustable spans
- Fixed or rotating hooks



LIFT TABLES

Econo Lift Tables and Lifts

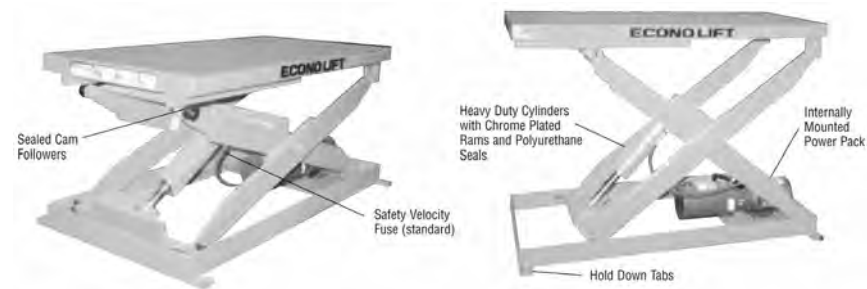
- Econo Lift tables are designed to handle heavy duty lifting and positioning applications.
- Velocity fuses on each cylinder prevent the table from collapsing.
- Econo Lift tilters are ergonomic, reducing injury due to pushing or pulling heavy containers.
- Wide base units are designed for wider platforms and greater side load support.

Options:

- Bellow safety skirting.
- Safety tape switch.
- Beveled edges and eye-bolts for pit mounting.
- Rotating tops include spring detents and manual detents.
- Conveyor and ball transfer tops.

Lift Table

- Capacities 2000-6000#
- Platform size 24" wide x 36" long to 72" wide x 96" long
- Standard base size 24", 36", 48" wide by 36", 48", 60", 72" long



Double Scissor Lift Table

- Capacities 1000-6000#
- Platform size 24" wide x 36" long to 72" wide x 72" long
- Standard base size 24", 36", 48" wide by 36", 48" long



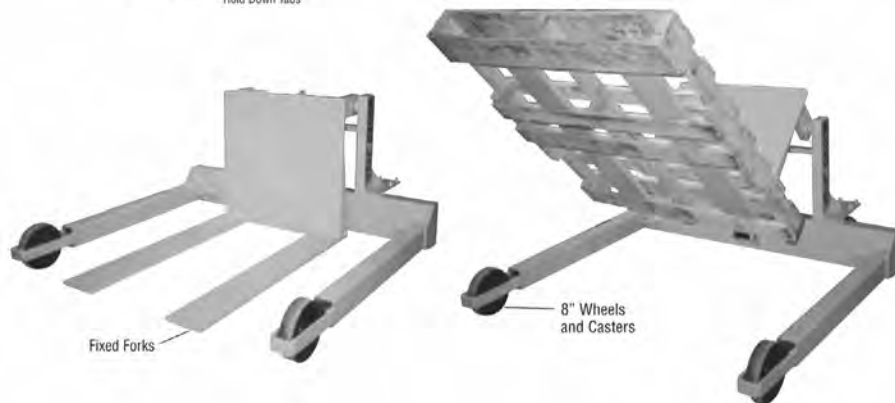
Heavy Duty Lift Table

- Capacities 8000-12000#
- Platform size 36" wide x 48" long to 72" wide x 96" long
- Standard base size 36", 48" wide x 48", 60", 72" long



Straddle Tilter

- Capacities 2000-6000#
- Joy stick controlled
- Hand held pendant
- Air/hydraulic foot pedal



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LIFT TABLES

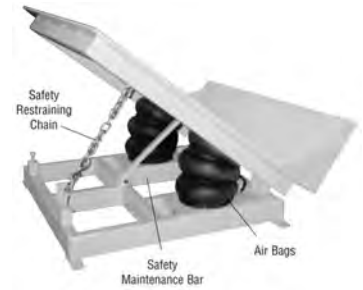
Stationary Tilter

- Capacities to 2000-6000#
- Tilt angle 0-85°
- Self contained power pak
- Hold down tab
- Guarded foot control



Tilt Table

- Capacities 1000-6000#
- Tilt angle 0-40°
- Front retaining lip 8" high
- Lowered height 9"
- Safety restraining chain



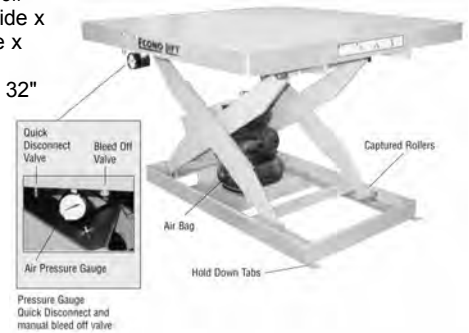
Loading Dock

- Capacities 5000-25000#
- Platform split plate 18" high x 68" wide
- Standard base size 67", 68", 89" wide by 92", 93", 114", 138" long



Ergo Self Leveller

- Capacities 450-4500#
- Platform size 32" wide x 48" long to 56" wide x 72" long
- Standard base size 32" wide by 48" long
- Lowered height 9"



Drive-On Tilt Table

- Capacities 1000-4000#
- Tilt angle 0-45°
- Chrome cylinders
- Hold down tabs



Spring Tables

- Capacities 400-4500#
- Platform size 32" wide x 48" long to 54" wide x 54" long
- Standard base size 32" wide by 48" long
- Lowered height 10"



Lift Table

- Platform size 32" wide by 48" long to 72" wide by 72" long
- Standard base size 32" and 48" wide by 48" long
- Safety maintenance stop
- Capacities to 1000-6000#



NOTE: Custom tables available.

SERVICES



Hoists and Cranes

- Receive comprehensive inspections with printed reports.
- Web based archiving of all past inspections available for printing or review 24/7.
- Quality repairs on all brands of hoists and cranes.
- Complete preventive maintenance carried out for each specific make and model of hoist or crane component.
- 24/7 service call dispatch.

Slings and Rigging Products

- Receive comprehensive inspections with printed reports.
- Web-based archiving of all past inspections available for printing or review 24/7.

Non-Destructive Testing

- WiscoLift performs both die-penetrant testing and magnetic particle testing on hooks and fabricated lifting devices with documentation for each item tested.

Load Testing

Equipment:

- 200,000# horizontal test bed.
- Ten ton static/dynamic vertical hoist test stand.
- Portable test stand for manual hoists, plate clamps and lever operated permanent lifting magnets.
- Each piece of test equipment is calibrated annually and maintained ASTM-4 compliant.



Training

WiscoLift has developed affordable and effective OSHA compliant training classes for:

- Safe Lifting Practices
- Sling and Rigging Inspection and Removal Criteria
- Crane and Hoist Operator Training

Our classes cover safe use of all operating equipment and applicable ASME and OSHA standards. Regardless of your experience, our combination of classroom and training tools will improve your knowledge and skill in the area trained. For more information, call our *Customer Service Representative* at **800-242-3477**.



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