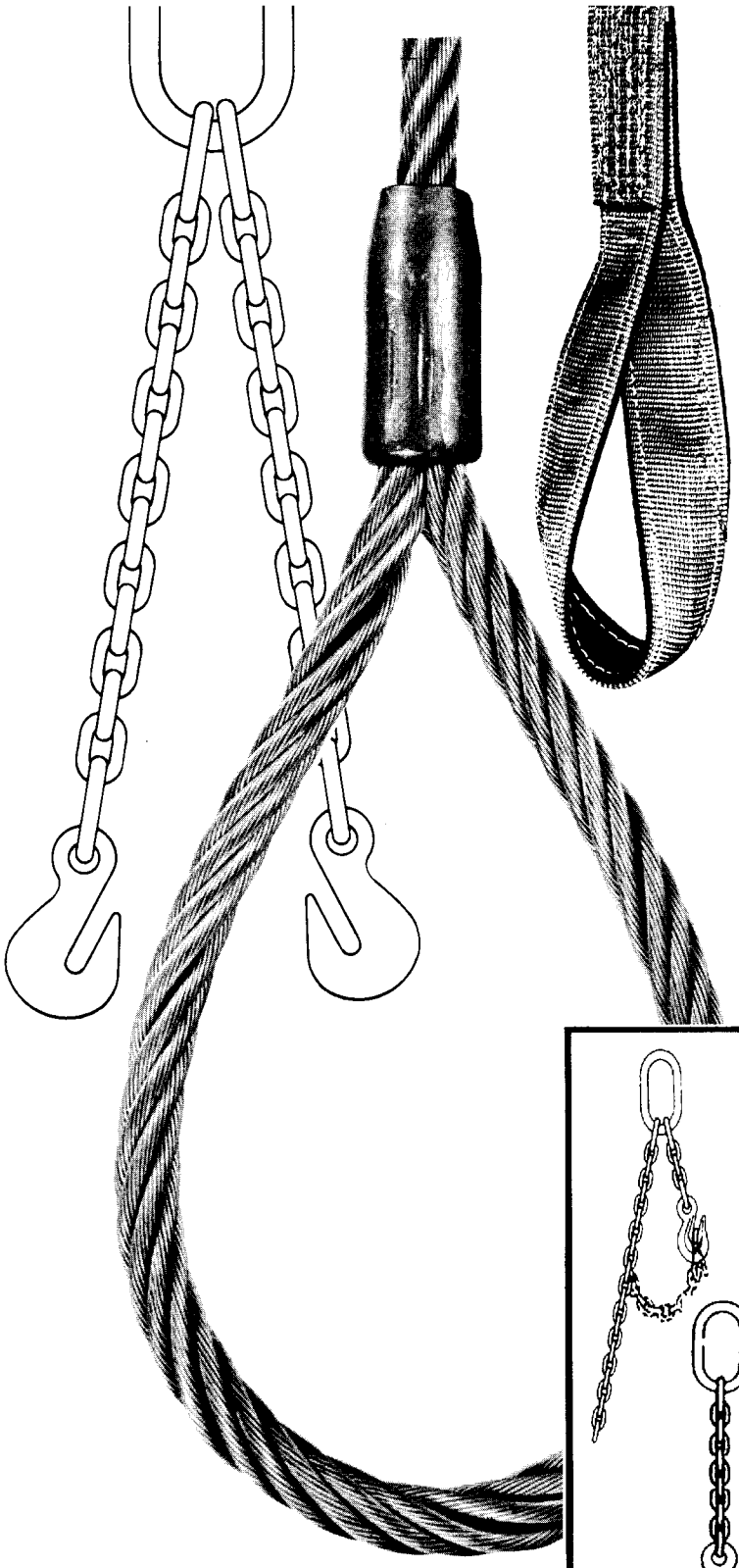
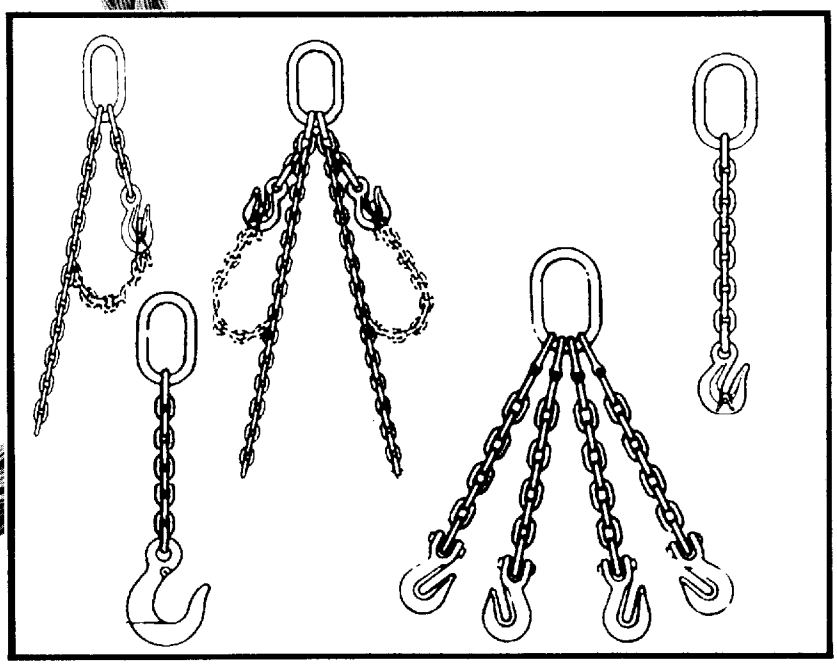


LEE JENSEN SALES CO., INC

CHAIN SLINGS



CARE

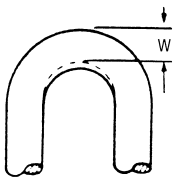
- Store on a rack in a clean, dry place.
- Oil prior to prolong use.
- Do not anneal (temper) alloy chain, connecting links or hook(s). Hot galvanizing requires chain manufacturers advice.

USE

- Check weight of load.
- Check sling rated load for type of lift, angle of loading (see load angle chart).
- Avoid twists, knots or kinks.
- Center load on base (bowl) of hook unless hook is designed for point loading.
- Balance load.
- Avoid jerking load.
- Be alert for snagging of load.
- Maintain load control.
- Pad sharp corners.
- Keep load off sling.
- Avoid dragging sling over rough surfaces and from under the load.
- Stand clear of the load at all times.
- No person allowed beneath the load.
- Persons are not to ride on sling or load.
- When shortening chain, use only the manufacturer's recommended alloy components.
- For use in temperatures over 400° see chart for capacity reduction.

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.



WEAR ALLOWANCE TABLE

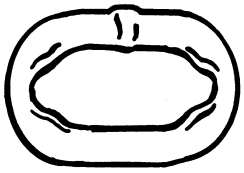
Chain Size (in.)	Minimum Allowable Thickness – W (in.)
9/32 (.281)	.239
3/8 (.375)	.335
1/2 (.500)	.435
5/8 (.625)	.536
3/4 (.750)	.669
7/8 (.875)	.744
1 (1.00)	.870
1-1/4 (1.25)	1.091

Temperature of Chain (°F)	Reduction of Working Temperature		Permanent Reduction of Working Load Limit After Exposure to Temperature	
	Grade 80	Grade 100	Grade 80	Grade 100
Below -40	Do Not Use	Do Not Use	None	None
Below -20	None	Do Not Use	None	None
400	10%	15%	None	None
500	15%	25%	None	5%
600	20%	30%	5%	15%
700	30%	40%	10%	20%
800	40%	50%	15%	25%
900	50%	60%	20%	30%
1000	60%	70%	25%	35%
Over 1000	REMOVE FROM SERVICE			

Examples Of Chain Sling Abuse/Ware Remove Sling From Service...

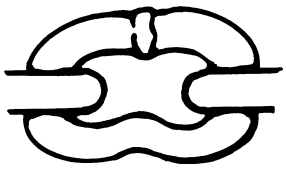
Worn Links

Excessive wear, especially at the bearing points, seriously weakens the chain.



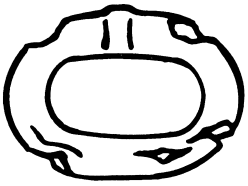
Bent Links

Usually caused by bending over sharp edges of a load.



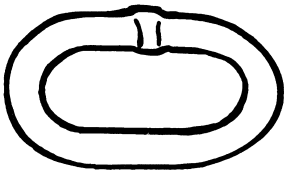
Gouged Links

Damaged by a heavy object being dragged over or dropped on the chain.



Stretched Links

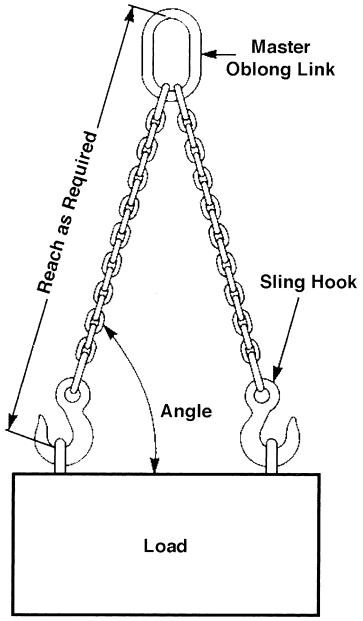
Indicates the chain has been extremely overloaded or subjected to shock loading. These links would not hinge freely with adjacent links.



Quik-Alloy Chain Slings

The Quik-Alloy system provides proof tested and certified components for easily and quickly assembling all of the popular types of chain slings plus many special slings. Hooks and coupling links have rotating load pins that resist bending and offer shear values equivalent to the chain. The open design of the hooks allows for easy inspection. All Quik-Alloy components are sized and identified according to the chain with which they are to be used. They meet or exceed all OSHA, ANSI, and ASME specifications.

How to Design Quik-Alloy Chain Slings

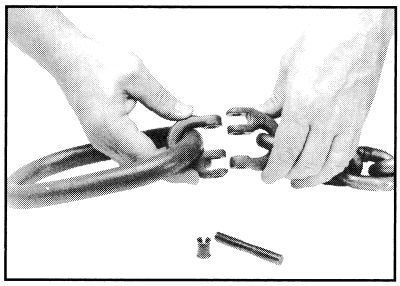


1. Determine the maximum LOAD to be lifted.
2. Choose the TYPE of sling assembly necessitated by the size and dimension of the load.
3. Estimate the approximate ANGLE to the load in which the legs of the assembly will be positioned for operation.
4. Determine the SIZE OF CHAIN ATTACHMENTS by referring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

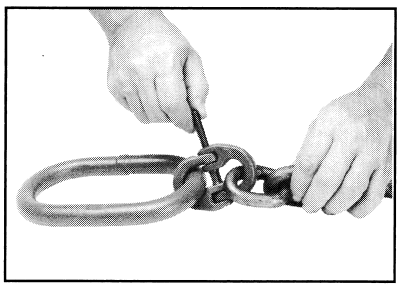
For any problem involving reach, angle of lift or working load limit, consult your local Campbell distributor.
Remember to use only Campbell “Quik-Alloy” components in assembling chain slings.

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

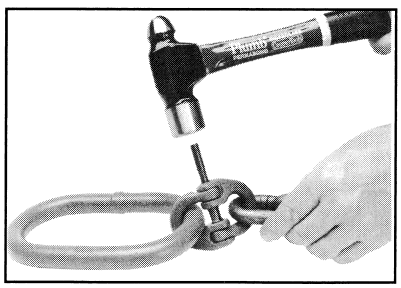
How to Assemble Quik-Alloy Chain Slings



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



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



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

How to Use Quik-Alloy Chain Sling Assembly Tables

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

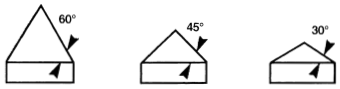
WHEN USING QUIK-ALLOY HOOKS (NOT CAM-ALLOY HOOKS), BE SURE THAT EACH LEG OF A DOUBLE SLING HAS THE SAME, EVEN (DIVISIBLE BY TWO) NUMBER OF LINKS. For triple or quad slings, each leg should have odd numbers of links to compensate for coupling links on master link sub-assembly. When cutting, if the required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

Cam-Alloy Chain Sling Assembly Tables

	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
Chain Size	9/32	7	3/8	10	1/2	13	5/8	16	3/4	19

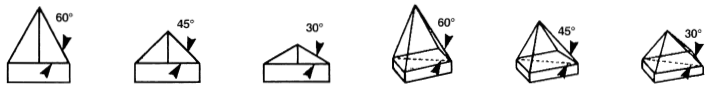
Single Chain Slings: Types S and C

		lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Working Load Limit		4,300	1,952	8,800	3,995	15,000	6,810	22,600	10,260	35,300	16,026
Master Link Number		VO-1		VO-2		VO-3		VO-3		VO-4	
Cat. No.	Master Link	5683215		5683315		5683415		5683515		5683615	
	QA Sling Hook	5744415		5744615		5744815		5745015		5745215	
	QA Grab Hook	5724415		5724615		5724815		5725015		5725215	
	QA Coupling Link	5779415		5779135		5779145		5779155		5779165	
Chain needed for 5' reach	Sling Hook	4'1"		3'10"		3'7"		3'5"		3'3"	
	Grab Hook	4'3"		4'0"		3'9"		3'8"		3'6"	



Double Chain Slings: Type D

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



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

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

Grab/Slip Hooks

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

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

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

IMPORTANT: Instructions For Use

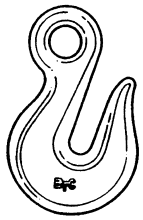
1. These hooks are designed to engage chain and are sized by the material diameter of the chain that they engage. Make sure hook size and chain diameter are compatible before lifting load.

2. Grab hooks are designed to grab a chain link and hold it in place.

3. Slip hooks are designed to allow chain to slip through the hook.

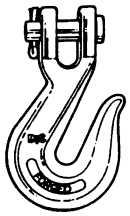
4. Only use genuine Campbell parts when replacing clevis pins and cotter keys.

5. *Do not exceed working load limit* (WLL). See table below.

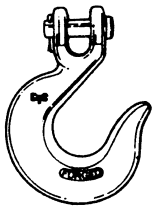


EYE GRAB HOOK

EYE SLIP HOOK



CLEVIS GRAB HOOK



CLEVIS SLIP HOOK

Working Load Limits (lb and kg) — Hooks

Size		System 3 & System 4 Heat Treated				Alloy					
		Eye Slip WLL		Eye & Clevis Grab, Clevis Slip WLL		Eye Slip WLL		Eye & Clevis Grab WLL		Clevis Slip WLL	
in.	mm	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
1/4	6	2400	1090	2600	1180	3400	1544	4100	1861	4100	1861
5/16	8	3500	1589	3900	1771	4800	2179	5100	2315	5100	2315
3/8	10	4600	2088	5400	2452	6400	2906	7100	3223	7300	3314
7/16	11	5600	2542	7200	3269	8000	3632	10000	4540	10000	4540
1/2	13	7400	3360	9200	4177	10000	4540	12000	5448	13000	5902
5/8	16	10000	4540	11500	5221	14500	6583	18100	8217	20300	9216
3/4	19	-	-	16200	7355	-	-	28300	12848	-	-

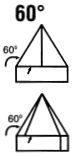
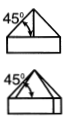
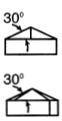
Grade 80 & 100 Alloy Chain Slings

PRODUCT FEATURES

Grade 80
- Proven reliability
- Available in welded or mechanically assembled slings.
- Widest range of sizes and styles
- Greater temperature tolerance.

Grade 100
- Higher capacity per chain size.
- Extreme abrasion resistance.
- Shot blasted & oil finished for corrosion resistance & uniformed appearance.

Rated Capacity For Alloy Chain Slings

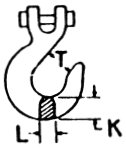
Size Of Chain		90° 	60° 	45° 	30° 	60° 	45° 	30° 	Nominal Dimensions (in.)		Approx No. of Links per ft.	Approx. Weights per 100 ft. (lbs.)
(in.)	(mm)	Single Chain @ 90° (lbs.)	Double Chain Slings (lbs.)			Triple & Quad Chain Slings (lbs.)			Inside Length	inside Width		
Grade 80												
7/32	5.5	2,100	3,600	3,000	2,100	5,450	4,450	3,150	.671	.296	17.9	45
9/32	7.0	3,500	6,100	4,900	3,500	9,100	7,400	5,200	.868	.395	13.8	74
3/8	10.0	7,100	12,300	10,000	7,100	18,400	15,100	10,600	1.222	.572	9.8	146
1/2	13.0	12,000	20,800	17,000	12,000	31,200	25,500	18,000	1.404	.720	8.5	258
5/8	16.0	18,100	31,300	25,600	18,100	47,000	38,400	27,100	1.733	.845	6.9	387
3/4	20.0	28,300	49.000	40,000	28,300	73,500	60,000	42,400	2.160	1.052	5.5	622
7/8	22.0	34,200	59,200	48,400	34,200	88.900	72.500	51,300	2,250	1.137	5.3	776
1	26.0	47,700	82,600	67,400	47,700	123,900	101,200	71,500	2.664	1.248	4.5	995
1-1/4	32.0	72,300	125,200	102,200	72,300	187,800	153,400	108,400	3.250	1.656	3.7	1,571
Grade 100												
7/32	5.5	2,700	4,700	3,800	2,700	7,000	5,700	4,000	.670	.284	17.9	45
9/32	7.0	4,300	7,400	6,100	4,300	11,200	9,100	6,400	.868	.380	13.8	73
3/8	10.0	8,800	15,200	12,400	8,800	22,900	18,700	13,200	1.181	.512	9.8	148
1/2	13.0	15,000	26,000	21,200	15,000	39,000	31,800	22,500	1.535	.688	8.5	255
5/8	16.0	22,600	39,100	32,000	22,600	58,700	47,900	33,900	1.890	.819	6.9	383
3/4	20.0	35,300	61.100	49,900	35,300	91,700	47,900	53,000	2.362	1.024	5.5	625

Hardware Shapes - Dimensions

oblong link

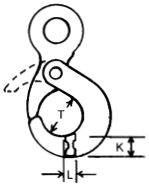
foundry hook

sling hook



grab hook

latch hook



Standard configurations shown in charts, other configurations available, please consult factory.

Single Chain Slings

GRADE 80 CHAIN


SOSL


SOG


CO


SOF


SASL


SOL

Chain Size (in.)	Rated Cap. Vertical (lbs.)	Approx. Wt. 5 Foot Reach Type SOS (lbs.)	OBLONG LINK			FOUNDRY HOOK			SLING HOOK WITH LATCH			LOCKING LATCH EYE HOOK		
						Throat	Width	Depth	Throat	Width	Depth	Throat	Width	Depth
			A	B	C	T	L	K	T	L	K	T	L	K
9/32	3,500	5	1/2	2-1/2	5	2.50	1.00	1.23	1.06	.73	1.05	1.38	.81	1.00
3/8	7,100	10	3/4	3	6	3.00	1.27	1.50	1.31	.95	1.28	1.75	.63	1.14
1/2	12,000	18	1	4	8	3.50	1.50	1.75	1.56	1.17	1.66	2.25	1.38	1.38
5/8	18,100	27	1	4	8	4.00	1.81	2.03	1.75	1.44	2.19	2.44	1.75	1.75
3/4	28,300	44	1-1/4	4-3/8	8-3/4	4.50	2.20	2.56	2.19	1.69	2.51	2.44	1.75	1.75
7/8	34,200	58	1-1/2	5-1/4	10-1/2	5.00	2.25	2.78	2.38	1.94	2.84	-	-	-
1	47,700	79	1-3/4	6	12	5.50	2.59	3.03	2.78	2.14	3.09	-	-	-
1-1/4	72,300	121	2	7	14	6.00	3.17	3.81	3.41	2.62	3.89	-	-	-

Double Chain Slings


DOG


DOSL


DOF


SB


DASL


SA


DOL

Chain Size (in.)	Rated Cap. @ 60° (lbs.)	Approx. Wt. 5 Foot Reach Type DOS (lbs.)	OBLONG LINK AT TOP			FOUNDRY HOOK			SLING HOOK WITH LATCH			LOCKING LATCH EYE HOOK		
						Throat	Width	Depth	Throat	Width	Depth	Throat	Width	Depth
			A	B	C	T	L	K	T	L	K	T	L	K
9/32	6,100	10	1/2	2-1/2	5	2.50	1.00	1.23	1.06	.73	1.05	1.38	.81	1.00
3/8	12,300	17	3/4	3	6	3.00	1.27	1.50	1.31	.95	1.28	1.75	.63	1.14
1/2	20,800	32	1	4	8	3.50	1.50	1.75	1.56	1.17	1.66	2.25	1.38	1.38
5/8	31,300	51	1-1/4	4-3/8	8-3/4	4.00	1.81	2.03	1.75	1.44	2.19	2.44	1.75	1.75
3/4	49,000	74	1-1/2	5-1/4	10-1/2	4.50	2.20	2.56	2.19	1.69	2.51	2.44	1.75	1.75
7/8	59,200	99	1-3/4	6	12	5.00	2.25	2.78	2.38	1.94	2.84	-	-	-
1	82,600	134	2	7	14	5.50	2.59	3.03	2.78	2.14	3.09	-	-	-
1-1/4	125,200	211	2-1/4	8	16	6.00	3.17	3.81	3.41	2.62	3.89	-	-	-

Triple and Quadruple Chain Slings


DB


TOSL


TOF


TOG


QOSL


QOF


QOG


DA

Chain Size (in.)	Rated Cap. @ 60° (lbs.)	Approx. Wt. 5 Foot Reach Type TOS (lbs.)	Approx. Wt. 5 Foot Reach QSOS (lbs.)	OBLONG LINK			FOUNDRY HOOK			SLING HOOK WITH LATCH		
							Throat	Width	Depth	Throat	Width	Depth
				A	B	C	T	L	K	T	L	K
9/32	9,100	16	19	3/4	2-3/4	5-1/2	2.50	1.00	1.23	1.06	.73	1.05
3/8	18,400	28	35	1	4	8	3.00	1.27	1.50	1.31	.95	1.28
1/2	31,200	53	63	1-1/4	4-3/8	8-3/4	3.50	1.50	1.75	1.56	1.17	1.66
5/8	47,000	81	100	1-1/2	5-1/4	10-1/2	4.00	1.81	2.03	1.75	1.44	2.19
3/4	73,500	116	140	1-3/4	6	12	4.50	2.20	2.56	2.19	1.69	2.51
7/8	88,900	154	187	2	7	14	5.00	2.25	2.78	2.38	1.94	3.84
1	123,900	209	250	2-1/4	8	16	5.50	2.59	3.03	2.78	2.14	3.09
1-1/4	187,800	358	406	2-3/4	9	16	6.00	3.17	3.81	3.41	2.62	3.89

Other configurations available, consult factory.

Single Chain Slings

GRADE 100 CHAIN

SOSL SOG CO SOF SASL

Chain Size (in.)	Rated Cap. Vertical (lbs.)	Approx. Wt. 5 Foot Reach Type SOS (lbs.)	OBLONG LINK			FOUNDRY HOOK			SLING HOOK WITH LATCH		
						Throat	Width	Depth	Throat	Width	Depth
			A	B	C	T	L	K	T	L	K
9/32	4,300	5	1/2	2-1/2	5	2.50	1.00	1.23	1.06	.73	1.05
3/8	8,800	10	3/4	3	6	3.00	1.27	1.50	1.31	.95	1.28
1/2	150,00	18	1	4	8	3.50	1.50	1.75	1.56	1.17	1.66
5/8	22,600	27	1	4	8	4.00	1.81	2.03	1.75	1.44	2.19
3/4	35,300	44	1-1/4	4-3/8	8-3/4	4.50	2.20	2.56	2.19	1.69	2.51

Double Chain Slings

DOG DOSL DOF SB DASL SA

Chain Size (in.)	Rated Cap. @ 60° (lbs.)	Approx. Wt. 5 Foot Reach Type DOS (lbs.)	OBLONG LINK AT TOP			FOUNDRY HOOK			SLING HOOK WITH LATCH		
						Throat	Width	Depth	Throat	Width	Depth
			A	B	C	T	L	K	T	L	K
9/32	7,400	10	1/2	2-1/2	5	2.50	1.00	1.23	1.06	.73	1.05
3/8	15,200	17	3/4	3	6	3.00	1.27	1.50	1.31	.95	1.28
1/2	26,000	32	1	4	8	3.50	1.50	1.75	1.56	1.17	1.66
5/8	39,100	51	1-1/4	4-3/8	8-3/4	4.00	1.81	2.03	1.75	1.44	2.19
3/4	61,000	74	1-1/2	5-1/4	10-1/2	4.50	2.20	2.56	2.19	1.69	2.51

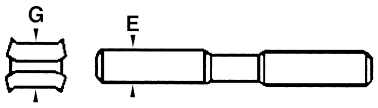
Triple and Quadruple Chain Slings

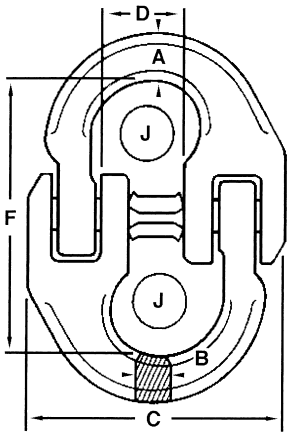
DB TOSL TOF TOG QOSL QOF QOG DA

Chain Size (in.)	Rated Cap. @ 60° (lbs.)	Approx. Wt. 5 Foot Reach Type TOS (lbs.)	Approx. Wt. 5 Foot Reach QSOS (lbs.)	OBLONG LINK			FOUNDRY HOOK			SLING HOOK WITH LATCH		
							Throat	Width	Depth	Throat	Width	Depth
				A	B	C	T	L	K	T	L	K
9/32	11,200	16	19	3/4	2-3/4	5-1/2	2.50	1.00	1.23	1.06	.73	1.05
3/8	22,900	28	36	1	4	8	3.00	1.27	1.50	1.31	.95	1.28
1/2	39,000	53	63	1-1/4	4-3/8	8-3/4	3.50	1.50	1.75	1.56	1.17	1.66
5/8	58,700	81	100	1-1/2	5-1/4	10-1/2	4.00	1.81	2.03	1.75	1.44	2.19
3/4	91,700	116	140	1-3/4	6	12	4.50	2.20	2.56	2.19	1.69	2.51

Other configurations available, consult factory.

Quik-Alloy Coupling Links





How to Assemble:

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

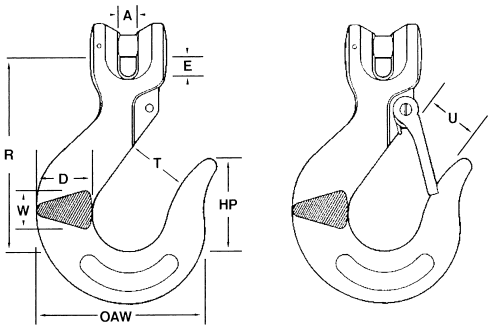
Chain Size in.	Chain Size mm	System	Cat. No.	UPC No. 020418	Approx. Weight Each lb	Approx. Weight Each kg	Working Load Limit lb	Working Load Limit kg
7/32	5.5	8	**5770315**	079993	.10	.05	2,100	970
9/32	7	10	**5779125**	182754	.27	.13	4,300	1,950
3/8	10	10	**5779135**	182761	.55	.25	8,800	4,000
1/2	13	10	**5779145**	182860	1.65	.75	15,000	6,800
5/8	16	10	**5779155**	182778	2.70	1.23	22,600	10,300
3/4	19	10	**5779165**	182785	4.30	1.95	35,300	16,000
7/8	22	10	**5771415**	080050	4.35	1.97	42,700	19,400
1	26	8	**5771615**	080067	8.43	3.82	47,700	21,600
1 1/4	32	8	**5772015**	080074	15.74	7.14	72,300	32,800
Pins and Retainers								
7/32	5.5	8	**5784105**	181689	.02	.009	-	-
9/32	7	10	**5784425**	182792	.02	.009	-	-
3/8	10	10	**5784435**	182808	.06	.027	-	-
1/2	13	10	**5784445**	182815	.11	.050	-	-
5/8	16	10	**5784455**	182822	.17	.077	-	-
3/4	19	10	**5784465**	182839	.35	.159	-	-
7/8	22	10	**5784165**	181740	-	-	-	-
1	26	8	**5784175**	181757	-	-	-	-
1 1/4	32	8	**5784185**	181764	-	-	-	-

Chain Size in.	Chain Size mm	Dimensions A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	E in.	E mm	F in.	F mm	G in.	G mm	Max. mat. Dia. in.	Max. mat. Dia. mm
7/32	5.5	17/64	7	7/32	6	15/16	33	7/16	11	5/32	4	1 17/32	39	3/8	10	1/2	13
9/32	7	3/8	10	11/32	9	23/32	44	9/16	14	13/64	5	1 25/32	45	3/8	10	37/64	15
3/8	10	1/2	13	7/16	11	2 3/8	60	13/16	21	5/16	8	2 7/16	62	23/64	9	13/16	21
1/2	13	11/16	17	9/16	14	3	76	1 1/32	26	25/64	10	3 3/8	86	29/64	12	1 3/16	30
5/8	16	13/16	21	23/32	18	3 7/8	98	1 9/32	33	15/32	12	3 29/32	99	35/64	14	1 5/16	33
3/4	20	15/16	24	61/64	24	4 5/8	117	1 9/16	40	9/16	14	4 4/4	121	41/64	16	1 11/16	43
7/8	22	1 3/16	30	1 1/16	24	5 3/8	137	1 13/16	46	41/64	16	5 5/16	135	13/16	30	1 7/8	48
1	26	1 15/64	31	1 9/64	29	5 7/8	149	2 1/32	52	11/16	17	5 7/8	149	1 3/8	35	2 1/8	54
1 1/4	32	1 1/2	38	1 3/8	35	7 3/8	187	2 9/32	58	15/16	24	6 15/16	176	1 5/8	41	2 11/32	60

Dimensions and weights are approximate.

Cam-Alloy Grab Hooks

Chain Size in.	Chain Size mm	Regular Cat. No.	Regular UPC No. 020418	Latched Cat. No.	Latched UPC No. 020418	Approx. Wgt. Each lb	Approx. Wgt. Each kg	Working Load Limit lb	Working Load Limit kg
9/32	7	**5744415**	182655	**5744495**	182662	1.3	.59	4,300	1,950
3/8	10	**5744615**	182679	**5744695**	182686	2.8	1.27	8,800	4,000
1/2	13	**5744815**	182693	**5744895**	182709	5.4	2.45	15,000	6,800
5/8	16	**5745015**	182716	**5745095**	182723	8.5	3.85	22,600	10,300
3/4	20	**5745215**	182730	**5745295**	182747	16.7	7.60	35,300	16,000



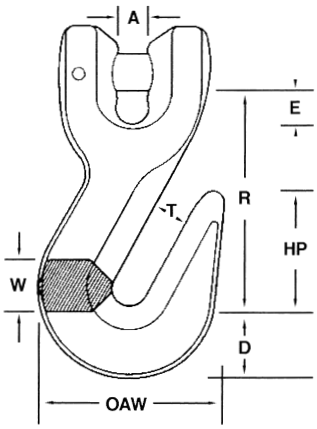
Chain Size in.	Chain Size mm	Dimensions R in.	R mm	T in.	T mm	U in.	U mm	A in.	A mm	E in.	E mm	Load Pin Dia. in.	Load Pin Dia. mm	D in.	D mm	W in.	W mm	HP in.	HP mm	OAW in.	OAW mm
9/32	7	3 3/4	95	1 1/4	32	1 1/16	27	5/16	8	11/32	9	3/8	10	1 1/8	29	3/4	19	1 23/32	44	3 7/8	98
3/8	10	4 3/4	121	1 9/16	40	1 5/16	33	7/16	11	1/2	13	1/2	13	1 7/16	37	15/16	24	2 3/8	60	4 1/2	114
1/2	13	5 3/4	146	1 7/8	48	1 9/16	40	9/16	14	5/8	16	5/8	16	1 7/8	48	1 1/4	32	2 11/16	68	6 1/8	156
5/8	16	6 3/4	171	2 3/16	56	1 13/16	46	23/32	18	3/4	19	3/4	19	2 5/16	59	1 3/8	35	3 1/8	79	7 1/16	179
3/4	20	7 3/4	197	2 1/2	64	2 3/16	56	13/16	21	7/8	22	7/8	22	2 3/4	70	1 5/8	41	3 3/8	86	8 1/16	205

Dimensions and weights are approximate.

Cam-Alloy Grab Hooks

Chain Size in.	Chain Size mm	Sling Hook	Sling Hook with Latch	Standard Latch No.	Universal Kit No.
9/32	7	**5744415**	**5744495**	**7506030**	**3991404**
3/8	10	**5744615**	**5744695**	**7506045**	**3991405**
1/2	13	**5744815**	**5744895**	**7506070**	**3991406**
5/8	16	**5745015**	**5745095**	**7506110**	**3991407**
3/4	20	**5745215**	**5745295**	**3991101**	**3991408**

Quik-Alloy Coupling Links



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

Chain Size in.	Chain Size mm	Dimensions R in.	R mm	T in.	T mm	A in.	A mm	E in.	E mm	Load Pin Dia. in.	Load Pin Dia. mm	D in.	D mm	W in.	W mm	HP in.	HP mm	OAW in.	OAW mm
9/32	7	2 11/32	60	3/8	10	5/16	8	11/32	9	3/8	10	13/16	21	5/8	16	1 1/4	32	2	51
3/8	10	2 29/32	74	1/2	13	7/16	11	1/2	13	1/2	13	1 1/4	32	3/4	19	1 5/8	41	2 13/16	71
1/2	13	3 23/32	94	21/32	17	9/16	14	5/8	16	5/8	16	1 1/2	38	15/16	24	2	51	3 1/2	89
5/8	16	4 7/16	113	25/32	20	23/32	18	3/4	19	3/4	19	1 3/4	44	1 7/32	31	2 5/8	67	4 1/8	105
3/4	20	5 1/8	130	31/32	25	13/16	21	7/8	22	7/8	22	2 1/8	54	1 3/8	35	3 1/4	83	4 7/8	124

Dimensions and weights are approximate.

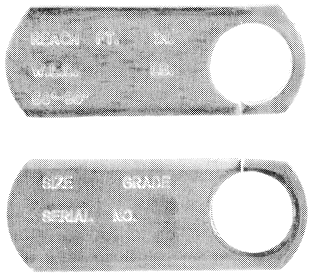
Note: Use of chain in a grab hook may reduce the breaking load of the chain by up to 20%

Field I.D. Tags

These tags are designed for field attachment. They are prestamped for easy addition of reach, working load limit, chain size, chain grade and sling serial number. Each steel tag measures 1 1/2" x 4 1/8" x 5/32" thick and has a 1 1/16"-diameter hole. Cut at top of tag allows you to attach to sling link.

Box of 50 tags (order unit is "Carton"). Stock No. 7503506.

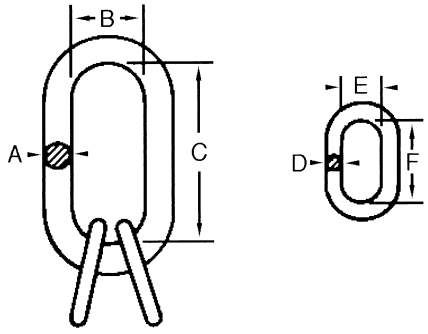
Cat. No.	UPC No. 020418	Tags Per Carton
7503506	135309	50



CHAIN SLINGS

Cam-Alloy OBlong, Master Link Sub-Assembly

Chain Size in.	Chain Size mm	Cat. No.	UPC No. 020418	Approx. Weight Each lb	Approx. Weight Each kg	Working Load Limit lb	Working Load Limit kg
7/32	5.5	**5680315**	079108	2.60	1	6,300	2,900
9/32	7	**5682215**	182501	4.40	2	12,900	5,900
3/8	10	**5682315**	182846	9.50	4	26,400	12,000
1/2	13	**5682415**	182518	16.00	7	45,000	20,500
5/8	16	**5682515**	182525	31.75	14	67,800	30,800
3/4	20	**5682615**	182532	50.00	23	105,900	48,100
7/8	22	**5682715**	167409	65.90	30	128,100	58,200
1	26	**5681615**	181610	92.20	42	143,100	65,000
1 1/4	32	**5682015**	180200	131.00	59	216,900	98,600



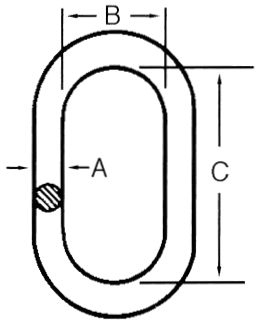
• For construction of Quad Slings, and Double Basket Slings

Chain Size in.	Chain Size mm	Oblong Master Link: Nominal Diameter Material A in.	A mm	Inside Dimensions: Width B in.	B mm	Length C in.	C mm	Master Coupling Link: Nominal Diameter Material D in.	D mm	Inside Dimensions: Width E in.	E mm	Length F in.	F mm
7/32	5.5	37/64	15	2 1/2	64	5	127	13/32	10	1 1/2	38	3	76
9/32	7	13/16	21	3	76	6	152	17/32	13	1 1/2	38	2 3/4	70
3/8	10	1 1/8	29	4	102	8	203	25/32	20	1 9/16	40	2 7/8	73
1/2	13	1 1/4	32	4	102	8	203	1	25	3	76	5	127
5/8	16	1 5/8	41	5 1/4	133	10 1/2	267	1 1/4	32	4	102	6	152
3/4	20	1 7/8	48	6	152	12	305	1 1/2	38	4	102	6	152
7/8	22	2 1/4	57	8	203	16	406	1 3/4	44	4	102	6	152
1	26	2 1/4	57	8	203	16	406	1 7/8	48	5	127	7	178
1 1/4	32	2 3/4	70	9	229	16	406	2 1/8	54	6	152	9	229

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

CHAIN SLINGS

Cam-Alloy Oblong Links



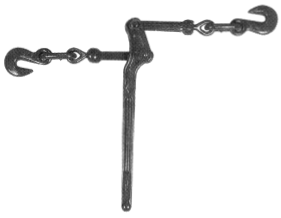
Link No.	Cat. No.	UPC No. 020418	Approximate Wgt. Each lb	kg	Working Load Limit lb	kg
CO-0	**5685615**	079214	.50	.23	4,200	1,900
VO-1	**5683215**	182549	1.90	.86	8,600	3,900
VO-2	**5683315**	182556	2.63	1.19	17,600	8,000
VO-3	**5683415**	182563	6.78	3.08	30,000	13,600
VO-4	**5683515**	182570	9.20	4.17	45,200	20,500
VO-5	**5683615**	182587	18.90	8.60	70,600	32,100
VO-6	**5683715**	182594	28.71	13.00	105,900	48,100
CO-7	**5687015**	079351	37.80	16.92	102,600	46,600
CO-8	**5687215**	079375	54.00	24.49	144,600	65,700
CO-10	**5687615**	079399	84.80	38.46	216,900	98,600

Link No.	Nominal Diameter Material A in.	mm	Inside Width B in.	mm	Inside Length C in.	mm	Used with Type and Size of Sling: Single Type S & C in.	mm	Double Type D in.	mm	Triple or Quad Type T or Q in.	mm
CO-0	13/32	10	1 1/2	38	3	76	7/32	6	7/32	6	-	-
VO-1	37/64	15	2 1/2	64	5	127	9/32	7	9/32	7	7/32	6
VO-2	13/16	21	3	76	6	152	3/8	10	3/8	10	9/32	7
VO-3	1 1/8	29	4	102	8	203	1/2 or 5/8	13 or 16	1/2	13	3/8	10
VO-4	1 1/4	32	4	102	8	203	3/4	19	5/8	16	1/2	13
VO-5	1 5/8	41	5 1/4	133	10 1/2	267	7/8	22	3/4	19	5/8	16
VO-6	1 7/8	48	6	152	12	305	1	26	7/8	22	3/4	19
CO-7	2	51	7	178	14	356	1 1/4 or 1 1/2	32 or 38	1	26	--	--
CO-8	2 1/4	57	8	203	16	406	-	-	1 1/4 or 1 1/2	32 or 38	7/8 or 1	22 or 26
CO-10	2 3/4	70	9	229	16	406	-	-	1 1/2	38	1 1/4	32

Dimensions and weights are approximate.

Load Binders

620-3704



620-3603
620-3205
620-3604

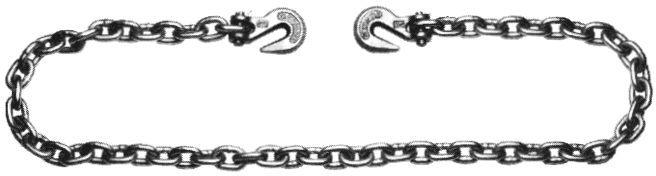
620-7504
620-7805

Cat. No.	UPC No. 020418	For Chain Size & Type in.	mm	System	Description	Packaging	Take-Up in.	mm	Lb Each	Working Load Limit lb	kg
620-3704	185106	1/8	4	Sys.3	Lever, Red 4/ctn.	1/card	3	376	-	375	170
620-3205	178658	1/4	7	Sys. 3 & 4	Doub. Swivel Lever, Red	4/ctn.	2 3/4	70	3	2600	1179
620-3603	086441	5/16 3/8	8 10	Sys. 7 Sys. 4	Doub. Swivel Lever, Red, Domestic	4/ctn.	4 1/2	114	8 1/2	5400	2450
620-3604	087162	5/16 3/8	8 10	Sys. 7 Sys. 4	Doub. Swivel Lever, Red, Imported	4/ctn.	4 1/2	114	8 1/2	5400	2450
620-7504	086472	5/16 3/8	8 10	Sys. 7 Sys. 4	Ratchet, Red	Bulk	8	203	9 1/2	5400	2450
620-7805	086489	3/8 1/2	10 13	Sys. 7 Sys. 4	Ratchet, Red	Bulk	8	203	10	9200	4170

CHAIN SLINGS

Binder Chains

- A complete line of tie down chains
- All chains listed may be used in accordance with the latest D.O.T. regulations
- You may choose either System 4 chain with a Bright finish, or yellow chromated zinc electroplated System 7 chain with higher load-to-weight ratios
- All binders have a forged heat treated clevis grab hook on each end
- **Do not use for overhead lifting**



System 4 - Binder Chains

Size						With Clevis Grab Hooks			With Clevis Grab Hooks			Weight Each		Working Load Limit	
						Cat.	UPC No.	Std.	Cat.	UPC No.	Std.				
in.	x	ft	mm	x	m	No.	020418	Pkg.	No.	020418	Pkg	lb	kg	lb	kg
5/16	x	20	8	x	6.1	**0226615**	059995	25	--	--	--	23	10	3900	1770
5/16	x	25	8	x	7.6	**0226625**	060007	25	--	--	--	28	13	3900	1770
3/8	x	12	10	x	3.7	**0222525**	174339	25	--	--	--	22	10	5400	2450
3/8	x	14	10	x	4.3	**0222625**	174353	25	--	--	--	25	11	5400	2450
3/8	x	16	10	x	4.9	**0222725**	174377	20	--	--	--	28	13	5400	2450
3/8	x	20	10	x	6.1	**0222925**	174414	20	--	--	--	34	15	5400	2450
3/8	x	25	10	x	7.6	**0223025**	174438	20	--	--	--	40	18	5400	2450

System 7 - Binder Chains

Size						With Clevis Grab Hooks			With Clevis Grab Hooks			Weight Each		Working Load Limit	
						Cat.	UPC No.	Std.	Cat.	UPC No.	Std.				
in.	x	ft	mm	x	m	No.	020418	Pkg.	No.	020418	Pkg.	lb	kg	lb	kg
5/16	x	14	8	x	4.3	**0513571**	174162	25	--	--	--	17	8	4700	2130
5/16	x	16	8	x	4.9	**0513572**	174179	25	--	--	--	19	9	4700	2130
5/16	x	18	8	x	5.5	**0513573**	174186	25	--	--	--	21	10	4700	2130
5/16	x	20	8	x	6.1	**0513574**	174193	25	--	--	--	23	10	4700	2130
5/16	x	25	8	x	7.6	**0513575**	174209	25	--	--	--	28	13	4700	2130
3/8	x	14	10	x	4.3	**0513658**	064128	25	--	--	--	25	11	6600	2990
3/8	x	16	10	x	4.9	**0513660**	064135	25	--	--	--	28	13	6600	2990
3/8	x	20	10	x	6.1	**0513665**	064159	20	--	--	--	34	15	6600	2990
3/8	x	25	10	x	7.6	**0513667**	064166	20	--	--	--	41	19	6600	2990
1/2	x	20	13	x	6.1	**0513765**	178788	10	--	--	--	54	25	11,300	5130