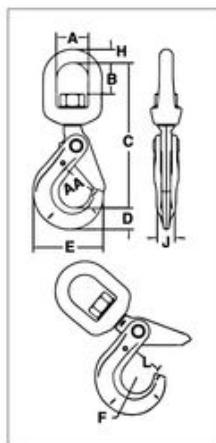


S-1326



- The S-1326 hook is a positioning device and is not intended to rotate under load. For swivel hook designed to rotate under load, use the S-13326.
- S-13326 Swivel Hook utilizes anti-friction bearing design which allows hook to rotate freely under load.
- Rated for both wire rope and for use with Grade 80/100 chain.
- Forged alloy steel, Quenched & Tempered.
- Individually Proof Tested at 2-1/2 times the chain Working Load Limit with certification.
- Recessed trigger design is flush with the hook body, protecting the trigger from potential damage.
- Easy to operate with enlarged thumb access.
- Positive lock latch is self-locking when hook is loaded.
- Trigger repair kit available (S-4316). Consists of spring, roll pin, and trigger.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- The SHUR-LOC® Hook, if properly installed and locked, can be used for personnel lifting applications and meets the intent of OSHA Rule 1926.1431(g) (1)(i)(A) and 1926.1501(g)(4)(iv)(B).



Crosby 8/10™

Fatigue Rated

QT

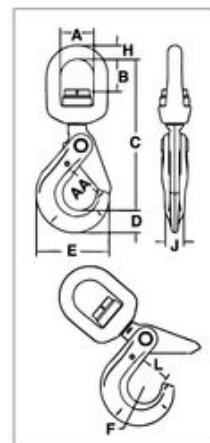
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APPLICATION AND WARNING INFORMATION
SECTION 17

S-13326



4

**S-1326 SHUR-LOC® Swivel Hooks** Suitable for positioning before lifting.

Chain Size		Frame code	Grade 100 Alloy Chain Working Load Limit (lb) 4:1 Design Factor	Working Load Limit (lb) 5:1 Design Factor	Stock No.	Weight Each (lb)	Dimensions (in)									
(in)	(mm)						A	B	C	D	E	F	H	J	L	AA*
-	6	D	3200	2560	1004304	1.26	1.50	1.32	6.13	.79	2.60	.67	.50	.63	1.13	1.50
1/4 - 5/16	7-8	G	5700	4560	1004313	2.62	1.75	1.59	7.60	1.10	3.50	.87	.63	.81	1.38	2.00
3/8	10	H	8800	7040	1004322	4.70	2.00	1.73	8.83	1.17	4.39	1.10	.75	.94	1.75	2.50
1/2	13	I	15000	12000	1004331	8.64	2.50	2.38	11.20	1.67	5.45	1.26	1.00	1.16	2.11	3.00
5/8	16	-	22600	18000	1004340	17.00	2.75	2.70	12.90	2.05	6.56	1.50	1.13	1.50	2.49	3.50
3/4	18 - 20	-	35300	28240	1004349	24.00	2.83	2.52	14.10	2.22	7.76	2.01	1.10	2.03	3.52	5.00
7/8	22	-	42700	34160	1004358	29.00	3.44	3.19	16.40	2.45	8.75	2.26	1.30	2.20	3.83	6.00

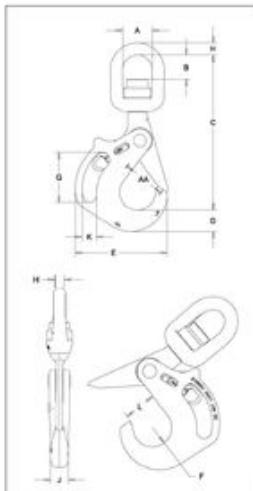
*Deformation indicators.

S-13326 SHUR-LOC® Swivel Hooks with Bearing Suitable for frequent rotation under load.

Chain Size		Frame code	Grade 100 Alloy Chain Working Load Limit (lb) 4:1 Design Factor	Working Load Limit (lb) 5:1 Design Factor	Stock No.	Weight Each (lb)	Dimensions (in)									
(in)	(mm)						A	B	C	D	E	F	H	J	L	AA*
-	6	D	3200	2560	1004404	1.50	1.50	1.14	6.17	.79	2.60	.67	.50	.63	1.13	1.50
1/4 - 5/16	7-8	G	5700	4560	1004413	3.10	1.75	1.52	7.54	1.10	3.50	.87	.63	.81	1.44	2.00
3/8	10	H	8800	7040	1004422	5.26	2.00	1.61	8.88	1.16	4.35	1.10	.75	.94	1.83	2.50
1/2	13	I	15000	12000	1004431	11.22	2.50	2.03	11.11	1.66	5.45	1.26	1.00	1.16	2.19	3.00
5/8	16	-	22600	18000	1004440	17.32	2.75	2.25	12.90	2.05	6.56	1.50	1.13	1.50	2.61	3.50

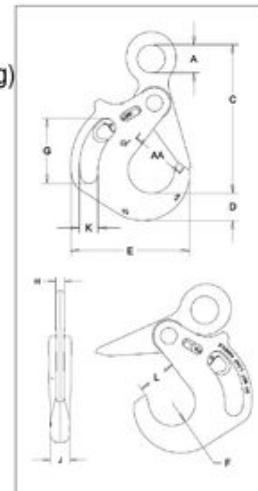
*Deformation indicators.

S-13326H



- The SHUR-LOC® Handle Hook allows the user to get a confident grip on a load with ease and comfort.
- Designed with a handle opening big enough to comfortably fit a gloved hand.
- Positive lock latch is self-locking when hook is loaded.
- Rated for both wire rope and use with Grade 80/100 chain.
- S-13326H Swivel Hook utilizes anti-friction bearing design which allows hook to rotate freely under load.
- Individually Proof Tested at 2-1/2 times the chain Working Load Limit with certification.
- The replaceable pull-trigger allows the user to easily open the SHUR-LOC's positive self-locking latch.
 - Ergonomically designed for easy use and precise control.
 - Secondary side trigger is recessed to avoid inadvertent release.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Forged alloy steel, Quenched & Tempered.
- The SHUR-LOC® hook, if properly installed and locked, can be used for personnel lifting applications and meets the intent of OSHA Rule 1926.1431(g) (1)(i)(A) and 1926.1501(g)(4)(iv)(B).

S-1316AH



Crosby 8/10™ Fatigue Tested™ QUIC-CHECK® QT CE

APPLICATION AND WARNING INFORMATION
SECTION 17

S-13326H SHUR-LOC® Handle Swivel Hooks with Bearings

Chain Size		Grade 100 Alloy Chain Working Load Limit (lb) 4:1*	Working Load Limit (lb) 5:1*	Frame Code	Stock No.	Weight Each (lb)	Dimensions (in)											
(in)	(mm)						A	B	C	D	E	F	G	H	J	K	L	AA*
5/8	16	22,600	18,080	JA	1005014	26	2.75	2.26	14.47	1.97	8.55	1.78	4.69	1.13	1.73	1.32	2.80	4.00
3/4	18/20	35,300	28,240	KA	1005023	37	3.12	2.05	15.49	2.60	9.99	1.99	4.72	1.25	2.05	1.31	3.31	5.00
7/8	22	42,700	34,160	LA	1005041	57	4.09	3.65	19.11	2.72	11.48	2.24	5.35	1.50	2.44	1.57	3.66	6.00
1	26	59,700	47,760	NA	1005050	84	5.00	4.02	21.55	3.11	12.76	2.52	6.46	1.63	2.76	1.57	4.09	6.50

4:1 Design Factor. *Deformation indicators.

S-1316AH SHUR-LOC® Handle Eye Hook

Chain Size		Grade 100 Alloy Chain Working Load Limit (lb) 4:1*	Working Load Limit (lb) 5:1*	Frame Code	Stock No.	Weight Each (lb)	Dimensions (in)											
(in)	(mm)						A	B	C	D	E	F	G	H	J	K	L	AA*
5/8	16	22,600	18,080	JA	1023579	18	2.01	10.69	1.97	8.55	1.78	4.69	0.79	1.73	1.32	4.00	2.79	4.00
3/4	18/20	35,300	28,240	KA	1023599	29	2.76	12.03	2.60	9.99	1.99	4.73	0.87	2.05	1.31	5.00	3.35	5.00
7/8	22	42,700	34,160	LA	1023607	39	3.15	13.50	2.72	11.48	2.24	5.35	0.91	2.44	1.63	6.00	3.70	6.00
1	26	59,700	47,760	NA	1023625	60	3.54	15.59	3.27	12.76	2.52	6.46	1.18	2.76	1.58	6.50	4.09	6.50

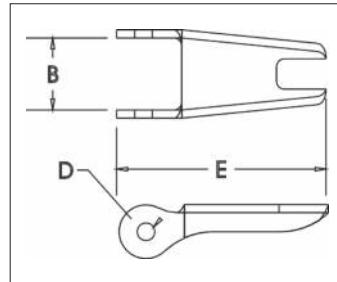
4:1 Design Factor. *Deformation indicators.

S-4320 Replacement Latch Kit



- Heavy duty stamped latch interlocks with the hook tip.
- High cycle, long life spring.
- Can be made into a "Positive Locking" Hook when proper cotter pin is utilized.
- Latch kits shipped unassembled and individually packaged with instructions.
- Meets the intent of OSHA Rule 1926.1431(g) and 1926.1501(g)(when secured with the bolt, nut and pin) for lifting personnel.

IMPORTANT: The new S-4320 Latch Kit will not fit the old style 319, 320 and 322 hooks.



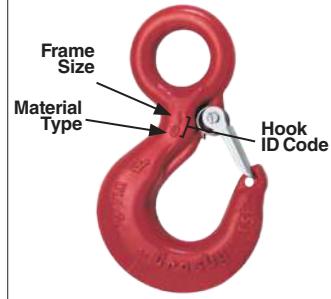
APPLICATION AND WARNING INFORMATION
SECTION 17

4

S-4320 Replacement Latch Kit for 319N, 320N, 322N, 339N, 1327 and 1339 Hooks

Hook Size (t)			Hook ID Code	Stock No.	Weight Each (lb)	Dimensions (in)		
Carbon	Alloy	Bronze				B	D	E
3/4	1	.5	D	1096325	.03	.50	.15	1.44
1	1-1/2	.6	F	1096374	.04	.54	.17	1.56
1-1/2	2	1	G	1096421	.04	.63	.17	1.66
2	3	1.4	H	1096468	.06	.66	.17	1.91
3	5	2	I	1096515	.10	.83	.20	2.31
5	7	3.5	J	1096562	.15	1.04	.20	2.88
7-1/2	11	5	K	1096609	.28	1.25	.27	3.56
10	15	6.5	L	1096657	.33	1.35	.27	3.81
15	22	10	N	1096704	.84	1.66	.39	5.18

Example of Hook ID Placement Location



PL Latch Kits

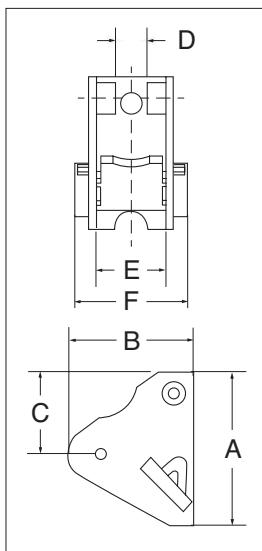


LATCH ORDERING INSTRUCTIONS

Specify PL, PL-N or PL-O latch kit stock number from charts below.
Specify capacity of hook to which latch will be assembled.
Specify hook material (carbon or alloy).

- Hot-dip galvanized.
- Heavy duty latch with easy operating features.
- Flapper lever indicates locked or unlocked position.
- Assembly instructions included with each latch.
- For additional dimensional data on eye, shank or swivel hooks, see Warnings & Applications.
- Meets the intent of OSHA Rule 1926.1431(g) and 1926.1501(g) (when secured with the bolt, nut and pin) for lifting personnel.

APPLICATION AND WARNING INFORMATION
SECTION 17



PL LATCH KITS

Hook Size (t)		Hook ID Code	Stock No.	Weight Each (lb)	Dimensions (in)					
Carbon	Alloy				A	B	C	D	E	F
3	4-1/2	I	1093711	.54	2.69	2.39	2.07	0.63	1.13	1.95
5	7	J	1093712	.66	3.00	2.49	2.00	.63	1.38	2.20
7-1/2	11	K	1093713	1.00	3.63	2.46	2.38	.63	1.63	2.49
10	15	L	1093714	1.25	4.00	3.27	2.69	.63	1.875	3.25
15	22	N	1093715	2.96	5.31	4.19	2.91	.84	2.38	3.49
20	30	O	1093716	4.05	6.00	4.52	3.28	1.06	3.31	4.67
25	37	P	1093717	8.63	7.00	6.86	4.94	2.24	2.38	6.12
30	45	S	1093718	10.00	6.75	7.19	3.94	2.24	4.75	6.38
40	60	T	1093719	14.30	8.00	7.97	4.25	3.46	5.95	7.70
50	75	U	1093720	27.00	9.88	8.38	5.88	3.38	6.5	8.88
-	100-150	W - X	1093721	33.25	10.88	10.88	6.5	3.38	7.88	10.00
-	200	Y	1093723	45.00	11.88	11.19	6.38	3.38	8.75	11.27
-	300	Z	1093724	55.00	12.50	12.38	7.92	3.38	10	12.25

PL-N/O Latch Kits

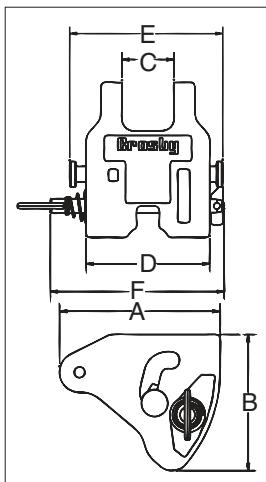


LATCH ORDERING INSTRUCTIONS

Specify PL, PL-N or PL-O latch kit stock number from charts below.
Specify capacity of hook to which latch will be assembled.
Specify hook material (carbon or alloy).

- Heavy duty latch with easy operating features.
- PL-N designed for Crosby 319N & 320N style hooks, PL-O designed for Crosby 319 & 320 old style hooks.
- Flapper lever indicates locked or unlocked position.
- Assembly instructions included with each latch.
- For additional dimensional data on eye, shank or swivel hooks refer to the specific product page in this section.
- Meets the intent of OSHA Rule 1926.1431(g) and 1926.1501(g) (when secured with the supplied toggle pin) for lifting personnel.

APPLICATION AND WARNING INFORMATION
SECTION 17



PL-N/O LATCH KITS

Hook Size (t)		Hook ID Code	PL-N Latch Kit Stock No.	PL-O Latch Kit Stock No.	Weight Each (lb)	Dimensions (in)					
Carbon	Alloy					A	B	C	D	E	F
3	4.5 / 5 *	I	1092000	1091900	.8	2.40	2.01	.83	2.13	2.71	3.44
5	7	J	1092001	1091901	1.3	2.94	2.50	1.00	2.52	3.19	3.83
7-1/2	11	K	1092002	1091902	2.0	3.63	3.02	1.19	2.75	3.44	4.38
10	15	L	1092003	1091903	2.8	4.00	3.39	1.34	3.19	4.00	4.50
15	22	N	1092004	1091904	4.9	5.19	4.32	1.61	3.86	4.81	5.13

*"N" style hooks are rated at 5 metric tons.

SS-4055
Latch Kits

LATCH ORDERING INSTRUCTIONS

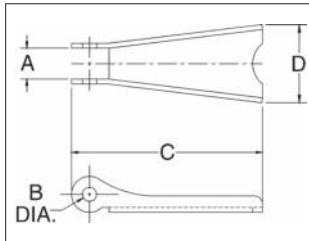
Specify latch kit stock number.

Specify capacity of hook to which latch will be assembled.

Specify hook material (carbon or alloy).

- Stainless steel construction with cadmium plated steel nuts.
- Shipped packaged and unassembled.
- Instructions included for easy field assembly.

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SECTION 17

4
SS-4055 LATCH KITS


Hook Size (t)			Hook ID Code	Stock No.	Weight Each (lb)	Dimensions (in)			
Carbon	Alloy	Bronze				A	B	C	D
3/4	1	.5	D	1090027	.02	.38	.16	1.44	.59
1	1-1/2	.6	F	1090045	.02	.38	.16	1.60	.59
1-1/2 - 2	2 - 3	1.0 - 1.4	G / H	1090063	.03	.47	.19	1.84	.82
3	4-1/2	2.0	I	1090081	.06	.56	.17	2.41	1.00
5	7	3.5	J	1090107	.11	.58	.20	2.97	1.21
7-1/2 - 10	11 - 15	5.0 - 6.5	K / L	1090125	.17	.59	.27	3.66	1.50
15	22	10.0	N	1090143	.39	.83	.39	4.94	1.90
20	30	-	O	1090161	.63	.94	.52	5.88	2.56
25 - 30	37 - 45	-	P / S	1090189	1.12	2.19	.39	6.50	3.84
40	60	-	T	1090205	1.77	3.31	.52	7.88	4.12

S-4088
Alloy Hook Latch Kits

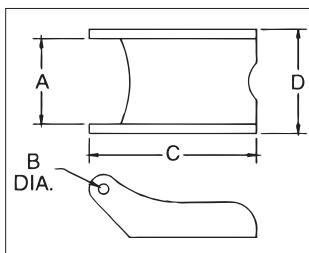
LATCH ORDERING INSTRUCTIONS

Specify latch kit stock number.

Specify capacity of hook to which latch will be assembled.

Specify hook material (carbon or alloy).

- To be used on A-327 and A-339 Grade 8 sling hooks.
- Latch kits shipped unassembled and individually packaged with instructions.


S-4088 Alloy Hook Latch Kits

Hook Chain (in)	Stock No.	Weight Each (lb)	Dimensions (in)			
			A	B	C	D
9/32 (1/4)	1090250	.06	.78	.16	2.03	.94
3/8	1090251	.14	1.03	.19	2.69	1.25
1/2	1090252	.15	1.03	.19	3.00	1.25
5/8	1090253	.15	1.03	.19	3.25	1.25
3/4	1090254	.15	1.53	.26	4.13	1.88
7/8	1090255	.15	1.53	.26	4.66	2.00

HOOK CONNECTORS

The 5 connector styles shown below make it possible for Crosby to furnish a Golden Gate Hook to fit almost any make or model of hoisting equipment including, American Engineering Lo-Hed, ARO, Coffing, Electro Lift, Ingersoll-Rand, P & H, Robbins and Myers, Shepard Niles, CM, Shaw-Box, Wright, Yale & Towne.

CLOSED SWIVEL BAIL

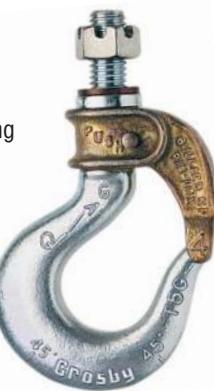


For use where hoisting line or shackle can be inserted into the bail.
Suitable for positioning before lifting.
Hook sizes: 1 through 14.

Style C — with self-closing gate.
Style A — with manual-closing gate.

SHANK-TYPE HOOK

(Standard Length)



For use on existing load blocks, with standard shank length.
Hook sizes: 2 through 14.

Style D — with self-closing gate.
Style B — with manual-closing gate.

SHANK-TYPE HOOK

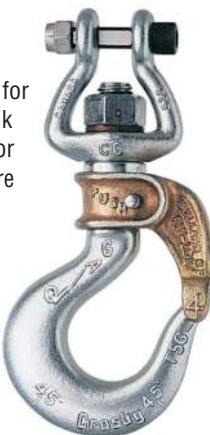
(Long Length)



For use on existing load blocks requiring extra shank length.
Hook sizes: 4 through 17.

Style K — with self-closing gate.
Style I — with manual-closing gate.

UNIVERSAL TYPE



Open swivel bail for attachment to link chain. Suitable for positioning before lifting.
Hook sizes: 3, 4, and 5.

Style E — with self-closing gate.
Style G — with manual-closing gate.

LINK CHAIN NEST



With ball-bearing swivel; attaches to chain by an alloy pin. Suitable for frequent rotation under load.
Hook sizes: 4, 5, and 7.

Style O — with self-closing gate.
Style P — with manual-closing gate.

Letter designations shown beneath each illustration above indicate BOTH connector style and gate type. Each connector is available with either a self-closing or manual-closing gate. (e.g. A size 4 hook with a closed swivel bail connector and self-closing gate is 4-C; with manual-closing gate, it is 4-A.)

GATE TYPES

Brass alloy Golden Gates® are engineered for quality, easy handling and dependability. The heavy duty, corrosion resistant locking mechanism will stay locked until an operator releases it; yet, can easily be shut with one hand. Cost effective, these gates reduce down time, providing the alternative to conventional latches.

LIF-LOK® GATE - SIZE 1

To Lock: Close the gate; the built-in spring locks the gate against the hook tip.

To Unlock: Lift the gate upward on the hook shank and swing open.

ROLLOX® GATE - SIZE 5 through 9

To Lock: Close the gate; a stainless steel pin is mounted in a horizontal bore which passes through the gate and engages a notch milled in the hook shank.

To Unlock: Move the lever downward a quarter-turn or until it stops, the gate can now swing open 160 ° (approx.)

PIN-LOK® GATE - SIZE 2 through 4

To Lock: Close the gate; a stainless steel pin is carried in a horizontal bore and engages a milled slot in the hook shank.

To Unlock: Simply depress the stainless steel pin which causes the pin to disengage from the milled slot.

TIP-LOK® GATE - SIZE 10 through 17

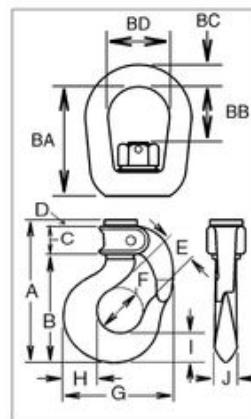
To Lock: Press the arm down until the lock trips; two arms of the gate now enclose the tip of the hook.

To Unlock: Manually depressing the locking trigger automatically raises the movable arm, allowing the gate to be rotated open.

Closed Swivel Bail



- For use where hoisting line or shackle can be inserted into the bail.
- BL-C with self-closing gate
- BL-A with manual-closing gate
- Suitable for positioning before lifting.
- Crosby Bullard® Hooks incorporate QUIC-CHECK® deformation and angle indicators. (For detailed information, see the Crosby Value Added page at the beginning of this section.)



Load Rated

QUIC-CHECK®

QT

CE

APPLICATION AND WARNING INFORMATION SECTION 17

Closed Swivel Bail

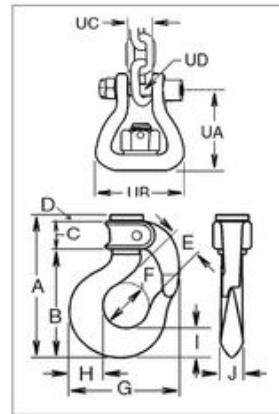
Hook Size	BL-C Stock No.	BL-A Stock No.	Gate Type	WLL (short Tons)*	Weight Each (lb)	Dimensions (in)													
						A	B	C	D	E	F	G	H	I	J	BA	BB	BC	BD
1	1050210	1050001	LIF-LOK	.45	0.8	3.23	2.31	.63	.26	.69	.88	2.25	.69	.63	.44	1.75	.63	.31	1.00
2	1050221	1050012	PIN-LOK	.90	1.3	4.12	3.00	.93	.16	.97	1.25	2.88	.81	.75	.56	1.86	.95	.38	1.25
3	1050232	1050023	PIN-LOK	1.3	1.9	4.50	3.31	.94	.22	1.06	1.38	3.19	.94	.84	.63	2.44	1.31	.50	1.50
4	1050243	1050034	PIN-LOK	1.5	2.2	4.88	3.63	1.00	.22	1.13	1.50	3.63	1.16	1.00	.75	2.66	1.35	.50	1.50
5	1050254	1050045	ROLLOX	2.1	3.8	5.63	4.12	1.23	.25	1.25	1.64	4.09	1.31	1.12	.84	2.91	1.60	.63	1.75
6	1050265	1050056	ROLLOX	3.6	4.6	6.23	4.70	1.25	.25	1.39	1.64	4.56	1.57	1.34	.97	3.10	1.41	.63	1.75
7	1050276	1050067	ROLLOX	3.8	6.9	6.61	5.21	1.12	.25	1.50	2.00	4.94	1.63	1.44	1.13	3.48	1.67	.75	2.00
8	1050287	1050078	ROLLOX	5.0	9.6	7.17	5.80	1.06	.28	1.75	2.25	5.84	2.00	1.65	1.23	4.06	2.00	.88	2.25
9	1050298	1050089	ROLLOX	6.5	13.5	7.85	6.45	1.06	.31	1.88	2.50	6.50	2.06	1.81	1.38	4.65	2.21	1.03	2.50
11	1050309	1050100	TIP-LOK	8.3	20.5	9.62	8.00	1.25	.31	2.25	3.00	7.56	2.63	2.25	1.62	4.87	2.18	1.13	2.75
12	1050320	1050111	TIP-LOK	11.1	27.0	10.53	8.84	1.25	.38	2.50	3.25	8.69	2.94	2.59	1.94	5.13	2.25	1.25	3.13
14	1050342	1050133	TIP-LOK	16.7	55.0	12.60	10.75	1.41	.38	3.38	4.25	11.00	3.50	2.97	2.38	8.00	4.25	1.63	4.10

4:1 Design Factor.

Open Swivel Bail



- Open Swivel Bail for attachment to link chain.
- BL-E with self-closing gate
- BL-G with manual-closing gate
- Suitable for positioning before lifting.
- Crosby Bullard® Hooks incorporate QUIC-CHECK® deformation and angle indicators. (For detailed information, see the Crosby Value Added page at the beginning of this section.)



Open Swivel Bail

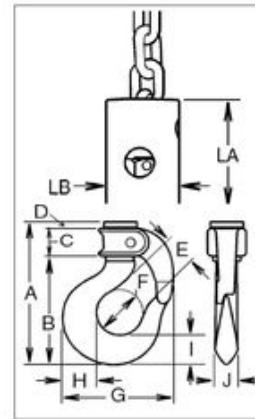
Hook Size	BL-E Stock No.	BL-G Stock No.	Gate Type	WLL (short Tons)*	Weight Each (lb)	Dimensions (in)													
						A	B	C	D	E	F	G	H	I	J	UA	UB	UC	UD
3	1051607	1051706	PIN-LOK	1.3	1.8	4.50	3.31	.94	.22	1.06	1.38	3.19	.94	.84	.63	2.08	2.31	.52	.38
4	1051618	1051717	PIN-LOK	1.5	2.1	4.88	3.63	1.00	.22	1.13	1.50	3.63	1.16	1.00	.75	2.14	2.31	.52	.38
5	1051629	1051728	ROLLOX	2.1	3.2	5.63	4.12	1.23	.25	1.25	1.64	4.09	1.31	1.12	.84	2.56	2.63	.62	.44

4:1 Design Factor.

Link Chain Nest



- With ball bearing swivel; attaches to chain by an alloy pin.
- BL-O with self-closing gate
- BL-P with manual-closing gate
- Suitable for frequent rotation under load.
- Crosby Bullard® Hooks incorporate QUIC-CHECK® deformation and angle indicators. (For detailed information, see the Crosby Value Added page at the beginning of this section.)



Load Rated

QUIC-CHECK®

QT

CE

APPLICATION AND WARNING INFORMATION SECTION 17

Link Chain Nest

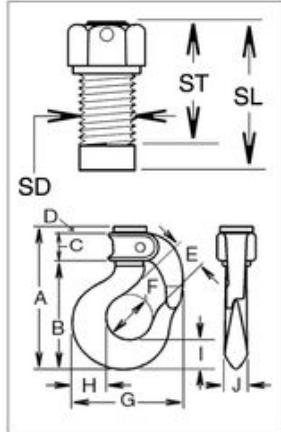
Chain Size	BL-O Stock No.	BL-P Stock No.	Gate Type	WLL (short Tons)*	Weight Each (lb)	Dimensions (in)											
						A	B	C	D	E	F	G	H	I	J	LA	LB
4:1/4-9/32	1051409	1051508	PIN-LOK	1.5	2.5	4.88	3.63	1.00	.22	1.06	1.50	3.63	1.16	1.00	.75	2.65	1.75
5:5/16-3/8	1051442	1051541	ROLLOX	2.1	4.5	5.53	4.12	1.23	.25	1.25	1.64	4.10	1.31	1.12	.84	3.00	2.25
7:3/8-7/16	1051464	1051563	ROLLOX	3.8	11.0	6.61	5.21	1.12	.25	1.50	2.00	4.94	1.63	1.44	1.13	4.38	3.00
7:1/2-9/16	1051486	1051585	ROLLOX	3.8	11.0	6.61	5.21	1.12	.25	1.50	2.00	4.94	1.63	1.44	1.13	4.38	3.00

4:1 Design Factor.

Standard Length



- For use on existing load blocks, with standard shank length.
- BL-D with self-closing gate
- BL-B with manual-closing gate
- Numbers 2 through 12 style hooks are threaded approximately 80% of shank length.
- Crosby Bullard® Hooks incorporate QUIC-CHECK® deformation and angle indicators. (For detailed information, see the Crosby Value Added page at the beginning of this section.)



QUIC-CHECK®

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APPLICATION AND WARNING INFORMATION SECTION 17

Standard Length Shank Hooks

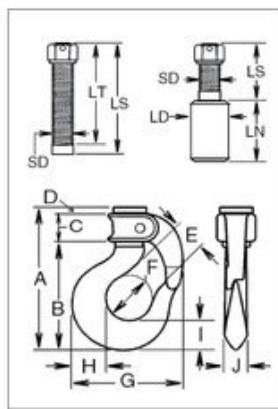
Hook Size	BL-D Stock No.	BL-B Stock No.	Gate Type	WLL (short Tons)*	Weight Each (lb)	Dimensions (in)													
						A	B	C	D	E	F	G	H	I	J	SD	SL	ST	
2	1050606	1050408	PIN-LOK	.91	1.1	4.12	3.00	.93	.16	.97	1.25	2.88	.81	.75	.56	.50	.91	.59	
3	1050617	1050419	PIN-LOK	1.3	1.3	4.50	3.31	.94	.22	1.06	1.38	3.19	.94	.84	.63	.56	1.25	.75	
4	1050628	1050430	PIN-LOK	1.5	1.7	4.88	3.63	1.00	.22	1.13	1.50	3.63	1.16	1.00	.75	.63	.63	1.31	1.19
5	1050639	1050441	ROLLOX	2.1	2.5	5.63	4.12	1.23	.25	1.25	1.64	4.09	1.31	1.12	.84	.75	1.31	1.00	
6	1050650	1050452	ROLLOX	3.6	3.5	6.23	4.70	1.25	.25	1.39	1.64	4.56	1.57	1.34	.97	.88	1.69	1.16	
7	1050661	1050463	ROLLOX	3.8	5.2	6.61	5.21	1.12	.25	1.50	2.00	4.94	1.63	1.44	1.13	1.00	1.81	1.38	
8	1050672	1050474	ROLLOX	5.0	7.1	7.17	5.80	1.06	.28	1.75	2.25	5.84	2.00	1.65	1.23	1.13	2.06	1.50	
9	1050683	1050485	ROLLOX	6.5	9.5	7.85	6.45	1.06	.31	1.88	2.50	6.50	2.06	1.81	1.38	1.25	2.44	1.81	
11	1050694	1050496	TIP-LOK	8.3	15.6	9.62	8.00	1.25	.31	2.25	3.00	7.56	2.63	2.25	1.62	1.50	2.69	1.88	
12	1050705	1050507	TIP-LOK	11.2	21.0	10.53	8.84	1.25	.38	2.50	3.25	8.69	2.94	2.59	1.94	1.63	2.88	2.13	
13	1050716	1050518	TIP-LOK	13.6	30.0	11.23	9.54	1.25	.38	3.00	3.75	9.63	3.28	2.75	1.94	1.75	3.50	2.20	
14	1050727	1050529	TIP-LOK	16.8	40.0	12.60	10.75	1.41	.38	3.38	4.25	11.00	3.50	2.97	2.38	2.00	3.75	2.38	

4:1 Design Factor.

Long Length



- For use on existing load blocks requiring extra shank length.
 - BL-K with self-closing gate
 - BL-I with manual closing gate
- Numbers 4 through 9 style hooks are threaded approximately 80% of shank length.
- Crosby Bullard® Hooks incorporate QUIC-CHECK® deformation and angle indicators.



QUIC-CHECK®



APPLICATION AND WARNING INFORMATION
SECTION 17

Long Length Shank Hooks

Hook Size	BL-K Stock No.	BL-I Stock No.	Gate Type	WLL (short Tons)*	Weight Each (lb)	Dimensions (in)													
						A	B	C	D	E	F	G	H	I	J	SD	LN	LS	LT
4 1/2	1051002	1050804	PIN-LOK	1.45	1.9	4.88	3.63	1.00	.22	1.13	1.50	3.63	1.16	1.00	.75	.50	.44	3.19	3.19
4 9/16	1051013	1050815	PIN-LOK	1.5	1.9	4.88	3.63	1.00	.22	1.13	1.50	3.63	1.16	1.00	.75	.56	.48	3.19	3.19
4 5/8	1051024	1050826	PIN-LOK	1.5	1.9	4.88	3.63	1.00	.22	1.13	1.50	3.63	1.16	1.00	.75	.63	.55	3.31	3.19
5	1051035	1050837	ROLLOX	2.1	3.0	5.63	4.12	1.23	.25	1.25	1.64	4.09	1.31	1.12	.84	.75	.63	3.56	3.25
6	1051046	1050848	ROLLOX	3.6	3.8	6.23	4.70	1.25	.25	1.39	1.64	4.56	1.57	1.34	.97	.88	.75	4.06	3.54
7	1051057	1050859	ROLLOX	3.8	5.9	6.61	5.21	1.12	.25	1.50	2.00	4.94	1.63	1.44	1.13	1.00	.88	4.56	4.12
8	1051068	1050870	ROLLOX	5.0	7.8	7.17	5.80	1.06	.28	1.75	2.25	5.84	2.00	1.65	1.23	1.12	.94	5.06	4.50
9	1051079	1050881	ROLLOX	6.5	10.8	7.85	6.45	1.06	.31	1.88	2.50	6.50	2.06	1.81	1.38	1.25	1.06	5.56	4.94
12 ‡	1051101	1050903	TIP-LOK	11.2	28.0	10.53	8.84	1.25	.38	2.50	3.25	8.69	2.94	2.59	1.94	1.63	1.56	5.38	4.63
13 ‡	1051112	1050914	TIP-LOK	13.6	35.0	11.23	9.54	1.25	.38	3.00	3.75	9.63	3.28	2.75	1.94	1.75	1.50	7.37	5.75
14 ‡	1051123	1050925	TIP-LOK	16.8	45.0	12.60	10.75	1.41	.38	3.38	4.25	11.00	3.50	2.97	2.38	2.00	2.00	5.38	4.00
16	1051134	1050936	TIP-LOK	30.0	103.0	15.29	13.10	1.50	.63	4.00	5.00	13.62	4.63	3.63	3.00	2.75	2.75	16.00	7.00
17	1051156	1050958	TIP-LOK	60.0	370.0	24.20	20.57	2.63	.94	5.75	7.00	18.50	6.50	6.00	4.44	4.00	3.94	22.75	14.00

*1 Design Factor. ‡Hook will have the shank extended by use of a Coupling Nut. Customer is required to complete and approve side 2 of a Crosby Bullard® hook data form.

Crosby® / Bullard Golden Gate Hooks Service Parts

Hook Size	Gate Type	BL-GA Gate Assemblies		BL-RK Gate Repair Kit Stock No.
		Manual Close Stock No.	Self Close Stock No.	
2	PIN-LOK	1100298	1100309	1100101
3	PIN-LOK	1100320	1100331	1100102
4	PIN-LOK	1100342	1100353	1100103
5	ROLLOX	1100364	1100375	1100112
6	ROLLOX	1100386	1100397	1100113
7	ROLLOX	1100408	1100419	1100123
8	ROLLOX	1100430	1100441	1100124
9	ROLLOX	1100452	1100463	1100125
10	TIP-LOK	1100474	1100485	1100133
11	TIP-LOK	1100496	1100507	1100144
12	TIP-LOK	1100518	1100529	1100155
13	TIP-LOK	1100540	1100551	1100166
14	TIP-LOK	1100562	1100573	1100177
15	TIP-LOK	1100584	1100595	1100188
16	TIP-LOK	1100606	1100617	1100199
17	TIP-LOK	1100639	1100628	1100210

Bullard® QUIC-CHECK® Deformation Indicator Table

Hook Size	Hook ID Code	AA (in)
1	1	1.50
2	D	1.50
3	F	1.50
4	G	2.00
5	H	2.00
6	6	2.50
7	I	2.50
8	8	3.00
9	J	4.00
11	K	4.00
12	L	4.50
13	13	5.00
14	N	5.00
16	O	6.50
17	T	10.00

O-318

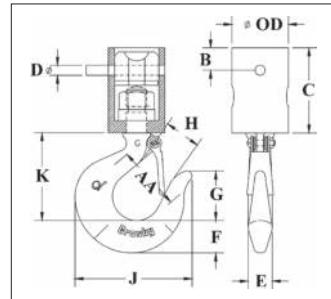
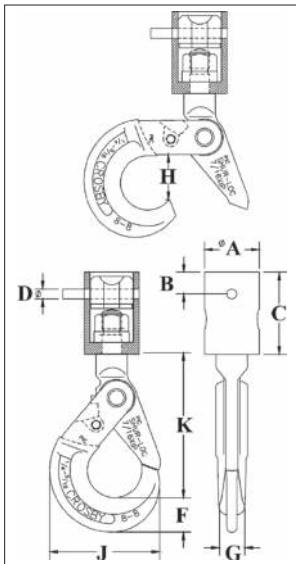


- With ball bearing swivel; attaches to chain by an alloy pin.
- Suitable for frequent rotation under load.
- HO-318 Hooks utilize Crosby SHUR-LOC® positive locking hooks. Latch is self-locking when hook is loaded.
- O-319 Hooks utilize Crosby® standard 319 Shank Hooks which incorporate QUIC-CHECK® deformation and angle indicators. (For detailed information, see the Crosby Value Added page at the beginning of this section.)
- Entire assembly is zinc plated.
- Repair kit available consisting of bearing and spring pin.

O-319



4



QUIC-CHECK®



APPLICATION AND WARNING INFORMATION
SECTION 17

O-318 Chain Nest Hooks

Chain Size (in)	Stock No.	WLL (short Tons)*	Weight Each (lb)	Dimensions (in)								
				A	B	C	D	F	G	H	J	K
1/4 - 9/32	1098409	1.5	3.50	1.75	.70	2.62	.31	1.10	.81	1.46	3.50	4.59
5/16 - 3/8	1098427	2.1	6.00	2.13	.70	3.19	.38	1.15	.94	1.83	4.35	5.65
3/8 - 7/16	1098445	3.8	13.75	3.00	1.00	4.38	.50	1.66	1.16	2.11	5.45	7.06
1/2 - 9/16	1098463	3.8	13.75	3.00	1.00	4.38	.63	1.66	1.16	2.11	5.45	7.06

4:1 Design Factor.

O-319 Chain Nest Hooks

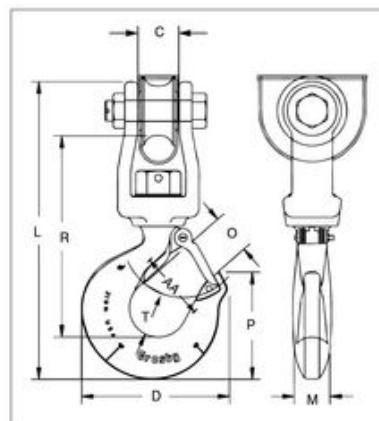
Chain Size (in)	Stock No.	WLL (short Tons)*	Weight Each (lb)	Dimensions (in)								
				OD	AA	B	C	D	E	F	G	H
1/4 - 9/32	1098312	1.5	2.55	1.75	2.00	.70	2.62	.31	.75	1.00	1.53	1.00
5/16 - 3/8	1098334	2.1	4.00	2.13	2.00	.70	3.19	.38	.84	1.12	1.72	1.12
3/8 - 7/16	1098356	3.8	10.00	3.00	2.50	1.00	4.38	.50	1.12	1.44	2.12	1.34
1/2 - 9/16	1098378	3.8	10.00	3.00	2.50	1.00	4.38	.63	1.12	1.44	2.12	1.34

4:1 Design Factor. *Deformation indicators.

S-3319



- Designed for utility applications using synthetic rope.
- Suitable for positioning before lifting.
- Hook is forged alloy steel, Quenched & Tempered.
- Design of hook provides needed overhaul weight.
- Utilizes spool & shield designed to protect rope and keep rope positioned correctly on spool.
- Spool provides wider rope bearing surface resulting in an increased area for load distribution and reduces rope abrasion.



APPLICATION AND WARNING INFORMATION
SECTION 17

S-3319 Utility Swivel Hook

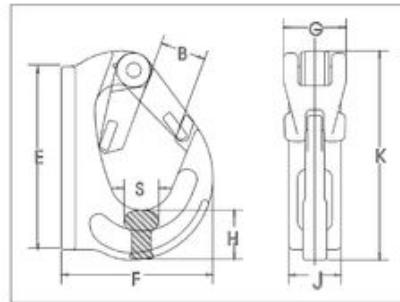
Working Load Limit (t)*	Stock No.	Weight Each (lb)	Hook ID Code	Synthetic Rope Size (in)	Dimensions (in)									Replacement Latch Kit Stock No.
					C	D	L	M	O	P	R	T	AA*	
1.63	1002054	4.2	HA	9/16 - 5/8	1.09	3.99	8.75	.94	1.16	2.78	5.94	1.16	2.00	1096468
2.50	1002063	8.0	IA	3/4 - 13/16	1.31	4.84	10.56	1.13	1.41	3.47	7.06	1.53	2.50	1096515
4.50	1002072	15.0	JA	7/8 - 1-1/16	1.78	6.29	12.75	1.44	1.78	4.59	8.69	1.94	3.00	1096562

5:1 Design Factor. Maximum allowable proof load is 2 times the Working Load Limit. *Deformation indicators.

BH-313



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



BH-313 Weld-On Hooks

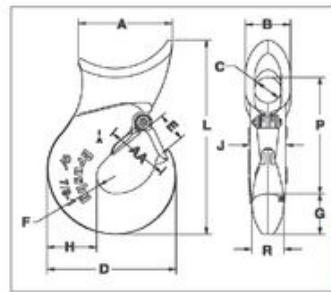
Working Load Limit (t)*	Stock No.	Weight Each (lb)	Dimensions (in)								Replacement Latch Stock No.
			B	E	F	G	H	J	K	S	
1	1029105	1.15	.91	3.82	2.80	1.42	1.06	1.02	4.21	.71	1092104
2	1029114	1.85	.91	3.23	3.58	1.42	.98	1.34	4.53	.83	1092104
3	1029123	2.60	1.14	4.61	4.13	1.42	1.22	1.42	5.16	.94	1092104
4	1029132	4.19	1.34	5.16	4.49	1.81	1.42	1.69	5.79	1.14	1092105
5	1029141	5.62	1.34	6.34	5.24	1.85	1.77	1.73	6.81	1.14	1092105
8	1029150	7.28	1.38	6.54	5.31	1.85	2.05	2.05	7.01	1.54	1092105
10	1029169	11.02	1.93	8.07	6.61	1.85	2.24	2.13	8.74	1.54	1092106

5:1 Design Factor.

A-350L



- New style incorporates throat opening equal to or larger than old style hooks.
- Each product has a Product Identification Code (PIC) for material traceability, along with a Working Load Limit, and the name Crosby or "CG" forged into it.
- All hooks incorporate Crosby's patented QUIC-CHECK® deformation indicators to help in determining if throat opening dimension has changed.
- Each hook is equipped with a Crosby S-4320 heavy duty stamped latch with the high cycle, long life spring.
- Forged alloy steel, Quenched & Tempered.



4

A-350L Sliding Choker Hook

Single Part Rope Size (in)	Eight Part Rope Size (in)	Stock No.	WLL (lb)	Weight Each (lb)	Dimensions (in)												Hook Frame Code	Replacement Latch Kit Stock No.
					A	B	C	D	E	F	G	H	L	P	R	AA*		
3/8	-	1011802	2500	1.0	2.06	1.13	.63	2.41	.63	.38	.84	.91	4.28	2.59	.63	1.50	DA	1096325
1/2	1/8	1011811	3800	1.4	2.25	1.31	.75	2.97	.78	.50	.97	1.06	4.97	3.09	.75	1.50	FA	1096374
† 5/8	-	1011820	5800	3.0	3.06	1.63	.75	3.56	.94	.56	1.13	1.31	6.38	3.88	1.00	2.00	GA	1096421
† 5/8	3/16	1011839	5800	2.7	3.06	1.63	1.00	3.56	.94	.56	1.13	1.31	6.38	4.00	1.13	2.00	GA	1096421
† 3/4	-	1011848	8200	4.4	3.38	2.13	1.00	4.25	1.16	.63	1.44	1.63	7.66	4.58	1.13	2.50	HA	1096468
† 3/4	1/4	1011857	8200	3.8	3.38	2.13	1.44	4.25	1.16	.63	1.44	1.63	7.66	4.78	1.13	2.50	HA	1096468
†† 7/8-1	-	1028177	15000	9.70	4.41	2.12	1.25	6.06	1.41	.88	2.00	2.33	9.55	5.72	1.50	3.00	IA	1096515

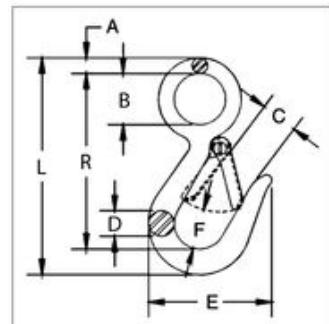
*Deformation indicators. †Determine eye diameter "C" before ordering. ††7/8-1" is cast steel.



G-3315



- Forged carbon steel, Quenched & Tempered.
- Pressed steel latches and stainless steel springs, bolts and nuts.
- For replacement latch kit, order Stock No. 9900299.
- Hook body - galvanized.
- Do not attach slings or other devices in hook for overhead lifting.



G-3315 Snap Hook

Hook Size (in)	Stock No.	Working Load Limit (lb)*	Weight Each (lb)	Dimensions (in)								
				A	B	C	D	E	F	L	R	
7/16	1023056	750	.23	.25	.75	.75	.44	2.25	.75	3.94	3.25	
9/16	1023074	1000	.48	.34	1.12	.81	.56	2.69	.88	4.75	3.84	

4:1 Design Factor.





S-377

- Forged carbon steel, Quenched & Tempered.
- The resultant load on each hook cannot exceed 1,000 lb.
- Meets the performance requirements of Federal Specification RR-C-271G, Type V, Class 6, except for those provisions required of the contractor.



S-377 Barrel Hooks

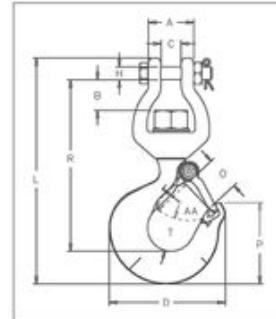
Working Load Limit Per Pair (t)*	Stock No. Per Pair	Weight Each Per Pair (lb)	Dimensions (in)			
			I.D. of Eye	O.D. of Eye	Overall Length	Width of Lip
1.0	1028248	3.56	1.56	2.81	5.00	2.88

4:1 Design Factor.



S-3316

- Easily attaches to any chain and electric hoist with welded link load chain, roller chain or wire rope with suitable end fitting.
- Swivel jaw is forged.
- Suitable for positioning before lifting.



APPLICATION AND WARNING INFORMATION SECTION 17

Load Rated



S-3316 Replacement Hook

Working Load Limit (t)*	Frame Code	Stock No.	Weight Each (lb)	Dimensions (in)										Replacement Latch Kit Stock No.
				A	B	C	D	H	L	O	P	R	T	
.45	F	1023029	1.25	1.32	.70	.56	3.15	.38	6.27	.96	2.22	4.74	.99	1096374
.91	H	1023047	2.61	1.57	1.00	.67	3.99	.44	7.77	1.16	2.78	5.89	1.16	1096468

5:1 Design Factor.



A-378

- Forged alloy steel, Quenched & Tempered.
- Deep straight throat permits efficient handling of flat plates or large cylindrical shapes.



A-378
with Handle

A-378 Sorting Hook

Working Load Limit at tip of Hook (t)*	Working Load Limit at bottom of Hook (t)*	Stock No.	Style	Weight Each (lb)	Dimensions (in)			
					I.D. of Eye	Overall Length	Opening at top of Hook	Radius at bottom of Hook
2	7-1/2	1028024	No Handle	6.42	1.38	9.69	2.81	.625
2	7-1/2	1028033	With Handle	6.42	1.38	9.69	2.81	.625

4:1 Design Factor.

Crosby® Forged Swivels

- 402 and 403 forged swivels are positioning devices and are not intended to rotate under load.
- Hot-dip galvanized.
- Quenched & Tempered.
- Crosby products meet or exceed all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, Crosby products meet other critical performance requirements, including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- G-402 swivels meet the performance requirements of Federal Specification RR-C-271G, Type VII, Class 2, except for those provisions required of the contractor.
- G-403 swivels meet the performance requirements of Federal Specification RR-C-271G, Type VII, Class 3, except for those provisions required of the contractor.

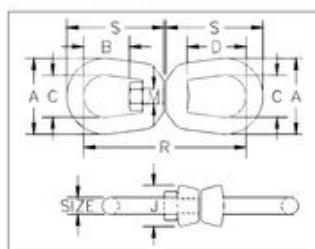
4



1/4" - 1 1/4" size



1 1/2" size

**G-402 Regular Swivels**

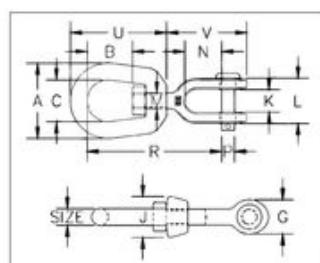
Size (in)	Stock No.	Working Load Limit (lb)*	Weight Each (lb)	Dimensions (in)							
				A	B	C	D	J	M	R	S
1/4	1016019	850	.21	1.25	.69	.75	1.06	.69	.31	2.94	1.69
5/16	1016037	1250	.39	1.63	.81	1.00	1.25	.81	.38	3.56	2.06
3/8	1016055	2250	.71	2.00	.94	1.25	1.50	1.00	.50	4.31	2.50
1/2	1016073	3600	1.32	2.50	1.31	1.50	2.00	1.31	.63	5.44	3.19
5/8	1016091	5200	2.49	3.00	1.56	1.75	2.38	1.50	.75	6.56	3.88
3/4	1016117	7200	4.02	3.50	1.75	2.00	2.63	1.88	.88	7.19	4.31
7/8	1016135	10000	6.25	4.00	2.06	2.25	3.06	2.13	1.00	8.38	5.00
1	1016153	12500	8.95	4.50	2.31	2.50	3.50	2.38	1.13	9.63	5.75
1-1/4	1016199	18000	16.37	5.63	2.69	3.13	3.69	3.00	1.50	11.44	6.75
1-1/2+	1016215	45200	45.79	7.09	3.88	4.09	3.88	3.75	2.25	16.69	9.91

5:1 Design Factor.

**G-403 Jaw End Swivels**

Size (in)	Stock No.	Working Load Limit (lb)*	Weight Each (lb)	Dimensions (in)									
				A	B	C	G	J	K	L	M	N	P
1/4	1016395	850	.21	1.25	.69	.75	.69	.69	.47	1.03	.31	.88	.25
5/16	1016411	1250	.34	1.63	.81	1.00	.81	.81	.50	1.13	.38	.88	.31
3/8	1016439	2250	.66	2.00	.94	1.25	1.00	1.00	.63	1.41	.50	1.06	.38
1/2	1016457	3600	1.34	2.50	1.31	1.50	1.31	1.31	.75	1.75	.63	1.31	.50
5/8	1016475	5200	2.48	3.00	1.56	1.75	1.63	1.50	.94	2.06	.75	1.50	.63
3/4	1016493	7200	3.88	3.50	1.75	2.00	1.88	1.88	1.13	2.53	.88	1.75	.75
7/8	1016518	10000	5.87	4.00	2.06	2.25	2.13	2.13	1.34	2.79	1.00	2.06	.88
1	1016536	12500	9.84	4.50	2.31	2.50	2.63	2.38	1.75	3.72	1.13	2.81	1.13
1-1/4	1016572	18000	15.75	5.69	2.69	3.13	3.13	3.00	2.06	4.31	1.63	2.81	1.38
1-1/2	1016590	45200	54.75	7.00	3.88	4.00	5.63	4.00	2.88	6.00	2.25	4.44	2.25

5:1 Design Factor.





Crosby® Tapered Roller Bearing Swivels

- Equipped with tapered roller thrust bearing.
- Suitable for frequent rotation under load.
- All swivels individually proof tested to 2 times the Working Load Limit with labeled documentation.
- All hooks furnished with latches assembled.
- All jaws complete with bolts, nuts, and cotter pins.
- Pressure lube fitting provided.
- NOT TO BE USED ON DEMOLITION (WRECKING) BALLS.
- Other types and capacities up to 1,250t available to meet your requirements. Visit thecrosbygroup.com/engineeredsolutions for more information.
- IMPORTANT - Crosby swivels should only be used with the recommended wire rope. Contact the wire rope manufacturer for the proper wire rope to be used with Crosby swivels.

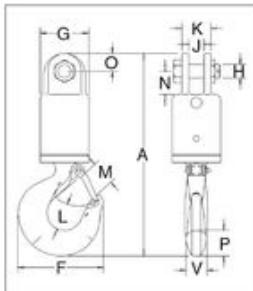


QUIC-CHECK™

CE



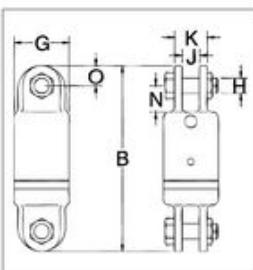
S-1 Jaw & Hook



Swivel No.	Stock No.	Working Load Limit (t)*	Wire Rope Size (in)	Weight Each (lb)	Dimensions (in)											
					A	F	G	H	J	K	L	M	N	O	P	V
3-S-1	297011	3	1/2	9.81	11.44	4.84	2.75	.75	.88	1.62	1.53	1.41	1.31	1.00	1.44	1.12
5-S-1	297217	5	5/8	15.51	13.34	6.28	3.00	.88	1.00	2.25	1.94	1.69	1.62	1.12	1.81	1.44
8-S-1	297413	8.5	3/4	29.42	16.45	7.54	4.00	1.00	1.56	2.81	2.46	2.22	2.12	1.38	2.25	1.62
10-S-1	297618	10	7/8	46.75	19.75	8.34	4.50	1.50	1.75	3.38	2.59	2.41	3.50	1.75	2.59	1.94
15-S-1	297814	15	1	73.75	22.24	10.34	5.00	1.50	1.75	3.38	2.81	3.19	3.50	1.75	3.00	2.38
25-S-1	298118	25	-	140.00	26.78	13.62	6.00	2.00	2.00	4.62	3.44	3.62	3.69	2.38	3.66	3.00
35-S-1	298216	35	-	220.00	29.94	14.06	6.50	2.00	2.00	4.62	3.88	3.75	3.69	2.38	4.56	3.19
45-S-1	298314	45	-	251.00	35.06	15.44	7.00	2.25	2.50	5.00	4.75	4.25	4.00	3.00	5.06	3.25

5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

S-2 Jaw & Jaw



Swivel No.	Stock No.	Working Load Limit (t)*	Wire Rope Size (in)	Weight Each (lb)	Dimensions (in)							
					B	G	H	J	K	N	O	
3-S-2	297020	3	1/2	9.63	9.28	2.75	.75	.88	1.62	1.31	1.00	
5-S-2	297226	5	5/8	13.69	10.31	3.00	.88	1.00	2.25	1.62	1.12	
8-S-2	297422	8.5	3/4	26.16	12.62	4.00	1.00	1.56	2.81	2.12	1.38	
10-S-2	297627	10	7/8	45.75	16.75	4.50	1.50	1.75	3.38	3.50	1.75	
15-S-2	297823	15	1	62.75	17.12	5.00	1.50	1.75	3.38	3.50	1.75	
25-S-2	298127	25	-	140.00	20.75	6.00	2.00	2.00	4.62	3.69	2.38	
35-S-2	298225	35	-	155.00	20.75	6.50	2.00	2.00	4.62	3.69	2.38	
45-S-2	298323	45	-	235.00	25.25	7.00	2.25	2.50	5.00	4.00	3.00	

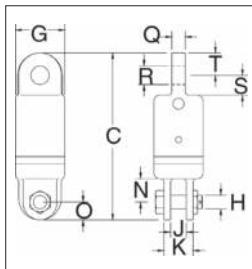
5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

S-3 Jaw & Eye



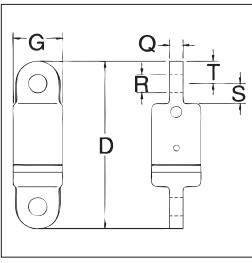
Swivel No.	Stock No.	Working Load Limit (t)*	Wire Rope Size (in)	Weight Each (lb)	Dimensions (in)										
					C	G	H	J	K	N	O	Q	R	S	T
3-S-3	297039	3	1/2	9.12	9.34	2.75	.75	.88	1.62	1.31	1.00	.75	1.03	1.12	1.25
5-S-3	297235	5	5/8	13.50	10.06	3.00	.88	1.00	2.25	1.62	1.12	1.00	1.28	1.25	1.25
8-S-3	297431	8.5	3/4	24.90	12.25	4.00	1.00	1.56	2.81	2.12	1.38	1.25	1.41	1.62	1.50
10-S-3	297636	10	7/8	43.50	16.12	4.50	1.50	1.75	3.38	3.50	1.75	1.69	1.69	2.75	1.88
15-S-3	297832	15	1	61.00	16.75	5.00	1.50	1.75	3.38	3.50	1.75	1.94	2.03	2.75	2.12
25-S-3	298136	25	-	135.00	21.50	6.00	2.00	2.00	4.62	3.69	2.38	2.25	2.31	3.88	2.38
35-S-3	298234	35	-	150.00	21.50	6.50	2.00	2.00	4.62	3.69	2.38	2.25	2.31	3.88	2.38
45-S-3	298332	45	-	225.00	25.88	7.00	2.25	2.50	5.00	4.00	3.00	2.50	2.53	4.00	3.00

5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

S-4 Eye & Jaw


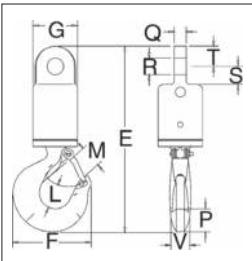
Swivel No.	Stock No.	Working Load Limit (t)*	Wire Rope Size (in)	Weight Each (lb)	Dimensions (in)										
					C	G	H	J	K	N	O	Q	R	S	T
3-S-4	297048	3	1/2	9.00	9.34	2.75	.75	.88	1.62	1.31	1.00	.75	1.03	1.12	1.25
5-S-4	297244	5	5/8	12.33	10.06	3.00	.88	1.00	2.25	1.62	1.12	1.00	1.28	1.25	1.25
8-S-4	297440	8.5	3/4	29.00	12.25	4.00	1.00	1.56	2.81	2.12	1.38	1.25	1.41	1.62	1.50
10-S-4	297645	10	7/8	44.00	16.12	4.50	1.50	1.75	3.38	3.50	1.75	1.69	1.69	2.75	1.88
15-S-4	297841	15	1	61.00	16.75	5.00	1.50	1.75	3.38	3.50	1.75	1.94	2.03	2.75	2.12
25-S-4	298145	25	-	135.00	21.50	6.00	2.00	2.00	4.62	3.69	2.38	2.25	2.31	3.88	2.38
35-S-4	298243	35	-	150.00	21.50	6.50	2.00	2.00	4.62	3.69	2.38	2.25	2.31	3.88	2.38
45-S-4	298341	45	-	225.00	25.88	7.00	2.25	2.50	5.00	4.00	3.00	2.50	2.53	4.00	3.00

5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

S-5 Eye & Eye


Swivel No.	Stock No.	Working Load Limit (t)*	Wire Rope Size (in)	Weight Each (lb)	Dimensions (in)									
					D	G	Q	R	S	T				
3-S-5	297057	3	1/2	8.50	9.41	2.75	.75	1.03	1.12	1.25				
5-S-5	297253	5	5/8	11.30	9.81	3.00	1.00	1.28	1.25	1.25				
8-S-5	297459	8.5	3/4	29.25	11.88	4.00	1.25	1.41	1.62	1.50				
10-S-5	297654	10	7/8	42.00	15.50	4.50	1.69	1.69	2.75	1.88				
15-S-5	297850	15	1	49.00	16.38	5.00	1.94	2.03	2.75	2.12				
25-S-5	298154	25	-	130.00	22.25	6.00	2.25	2.31	3.88	2.38				
35-S-5	298252	35	-	145.00	22.25	6.50	2.25	2.31	3.88	2.38				
45-S-5	298350	45	-	215.00	26.50	7.00	2.50	2.53	4.00	3.00				

5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

S-6 Eye & Hook


Swivel No.	Stock No.	Working Load Limit (t)*	Wire Rope Size (in)	Weight Each (lb)	Dimensions (in)										
					E	F	G	L	M	P	Q	R	S	T	V
3-S-6	297066	3	1/2	9.32	11.50	4.84	2.75	1.53	1.41	1.44	.75	1.03	1.12	1.25	1.12
5-S-6	297262	5	5/8	14.24	13.09	6.28	3.00	1.94	1.69	1.81	1.00	1.28	1.25	1.25	1.44
8-S-6	297468	8.5	3/4	32.00	16.07	7.54	4.00	2.46	2.22	2.25	1.25	1.41	1.62	1.50	1.62
10-S-6	297663	10	7/8	45.50	19.12	8.34	4.50	2.59	2.41	2.59	1.69	1.69	2.75	1.88	1.94
15-S-6	297869	15	1	63.00	21.24	10.34	5.00	2.81	3.19	3.00	1.94	2.03	2.75	2.12	2.38
25-S-6	298163	25	-	135.00	27.53	13.62	6.00	3.44	3.62	3.66	2.25	2.31	3.88	2.38	3.00
35-S-6	298261	35	-	215.00	30.69	14.06	6.50	3.88	3.75	4.56	2.25	2.31	3.88	2.38	3.19
45-S-6	298369	45	-	270.00	35.69	15.44	7.00	4.75	4.25	5.06	2.50	2.53	4.00	3.00	3.25

5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.



Crosby® Angular Contact Bearing Swivels

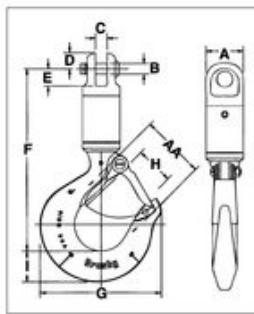
- Designed for high rotation speed, lower torque required to initiate rotation.
- Angular contact bearings maximize efficiency, reliability, and service life of swivel and extend the life of the wire rope.
- Entire swivel is zinc plated to resist corrosion.
- Individually Proof Tested to 2 times the Working Load Limit with certification.
- Hook models utilize genuine Crosby hooks which are forged alloy steel, quenched and tempered, and contain patented QUIC-CHECK® markings.
- Each swivel 8.5 short Tons and larger is furnished with a pressure lubrication fitting.
- For swivels larger than those listed, visit thecrosbygroup.com/engineeredsolutions for more information.

Load Rated

QUIC-CHECK®

CE

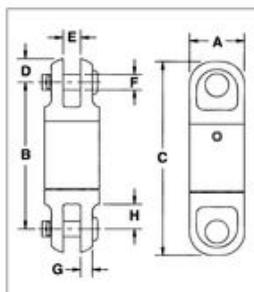
AS-1 Jaw & Hook



AS-1 JAW & HOOK				Dimensions (in)									Deformation Indicator AA	Replacement Latch Kit Stock No.
Working Load Limit (t)*	Wire Rope Size (in)	Stock No.	Weight Each (lb)	A	B	C	D	E	F	G	H	I		
.40	1/8	1016001	.7	.88	.25	.25	.38	.41	4.32	2.86	.93	.73	1.50	1096325
.68	1/4	1016010	1.5	1.31	.38	.31	.44	.56	5.44	3.16	.97	.84	1.50	1096374
1.35	3/8	1016025	2.3	1.63	.50	.53	.69	.78	6.35	4.00	1.16	1.14	1.50	1096374
2.70	1/2	1016026	6.5	2.00	.75	.75	.94	1.19	8.69	4.84	1.41	1.44	2.50	1096374
4.50	5/8	1016040	12.9	2.50	.88	1.00	1.13	1.53	10.71	6.28	1.69	1.82	3.00	1096562
7.65	3/4	1016045	26.4	3.00	1.19	1.56	1.34	2.09	13.65	8.34	2.41	2.60	4.00	1096657
9.00	7/8	1016056	53.0	4.00	1.50	1.75	1.75	3.50	17.95	10.34	3.19	3.00	5.00	1096704
13.5	1	1016064	53.0	4.00	1.50	1.75	1.75	3.50	17.95	10.34	3.19	3.00	5.00	1096704
22.5	1-1/4	1016075	97.0	5.00	2.00	2.00	2.38	3.69	20.88	13.62	3.25	3.62	6.50	1090161
31.5	1-1/2	1016082	140.0	5.00	2.00	2.00	2.38	3.69	24.00	14.06	3.00	4.56	7.00	1090189

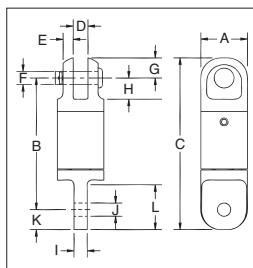
5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

AS-2 Jaw & Jaw



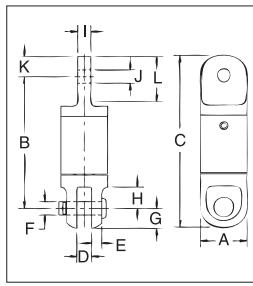
AS-2 JAW & JAW				Dimensions (in)							
Working Load Limit (t)*	Wire Rope Size (in)	Stock No.	Weight Each (lb)	A	B	C	D	E	F	G	H
.40	1/8	1016103	.4	.88	2.38	3.13	.38	.25	.25	.19	.41
.68	1/4	1016114	.9	1.31	3.56	4.44	.44	.31	.38	.22	.56
1.35	3/8	1016122	2.0	1.63	4.06	5.44	.69	.50	.50	.28	.78
2.70	1/2	1016131	4.9	2.00	6.25	8.13	.94	.75	.75	.38	1.19
4.50	5/8	1016139	9.6	2.50	7.75	10.63	1.13	1.00	.88	.53	1.53
7.65	3/4	1016148	15.8	3.00	9.63	12.31	1.34	1.56	1.19	.56	2.09
9.00	7/8	1016157	40.0	4.00	14.00	17.50	1.75	1.75	1.50	.81	3.50
13.5	1	1016166	40.0	4.00	14.00	17.50	1.75	1.75	1.50	.81	3.50
22.5	1-1/4	1016175	78.0	5.00	15.94	20.69	2.38	2.00	2.00	1.13	3.69
31.5	1-1/2	1016184	78.0	5.00	15.94	20.69	2.38	2.00	2.00	1.13	3.69

5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

AS-3 Jaw & Eye


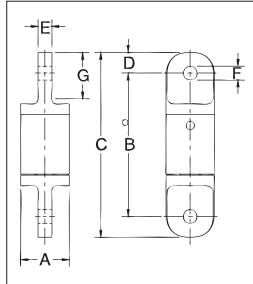
Working Load Limit (t)*	Wire Rope Size (in)	Stock No.	AS-3 JAW & EYE				Dimensions (in)									
			Weight Each (lb)	A	B	C	D	E	F	G	H	I	J	K	L	
.40	1/8	1016205	.3	.88	2.50	3.25	.25	.19	.25	.38	.41	.25	.25	.38	.84	
.68	1/4	1016216	.9	1.31	3.69	4.56	.31	.22	.38	.44	.56	.31	.38	.44	.88	
1.35	3/8	1016224	1.9	1.63	4.19	5.44	.50	.28	.50	.69	.78	.50	.66	.63	1.38	
2.70	1/2	1016232	4.6	2.00	6.19	8.13	.75	.38	.75	.94	1.19	.75	.91	1.00	2.00	
4.50	5/8	1016243	9.1	2.50	7.88	10.19	1.00	.53	.88	1.13	1.50	1.00	1.25	1.19	2.63	
7.65	3/4	1016250	15.6	3.00	9.50	12.25	1.56	.56	1.25	1.34	2.09	1.25	1.41	1.50	3.13	
9.00	7/8	1016259	39.0	4.00	13.75	17.31	1.75	.81	1.50	1.75	3.50	1.72	1.63	1.81	4.69	
13.5	1	1016268	40.0	4.00	13.44	17.31	1.75	.81	1.50	1.75	3.50	2.00	2.00	2.13	4.69	
22.5	1-1/4	1016277	78.0	5.00	16.00	20.75	2.00	1.13	2.00	2.38	3.69	2.25	2.31	2.38	5.25	
31.5	1-1/2	1016286	78.0	5.00	16.00	20.75	2.00	1.13	2.00	2.38	3.69	2.25	2.31	2.38	5.2	

5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

AS-4 Eye & Jaw


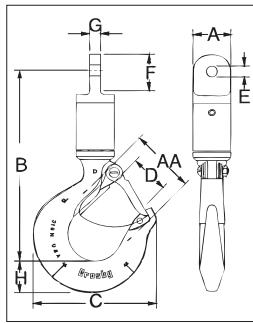
Working Load Limit (t)*	Wire Rope Size (in)	Stock No.	AS-4 EYE & JAW				Dimensions (in)									
			Weight Each (lb)	A	B	C	D	E	F	G	H	I	J	K	L	
.40	1/8	1016306	.3	.88	2.50	3.25	.25	.19	.25	.38	.41	.25	.25	.38	.81	
.68	1/4	1016314	.9	1.31	3.63	4.56	.31	.22	.38	.44	.56	.31	.38	.44	.88	
1.35	3/8	1016325	1.9	1.63	4.19	5.50	.50	.28	.50	.69	.78	.50	.66	.63	1.34	
2.70	1/2	1016332	4.6	2.00	6.19	8.13	.75	.38	.75	.94	1.19	.75	.91	1.00	2.00	
4.50	5/8	1016343	9.1	2.50	7.88	10.19	1.00	.53	.88	1.13	1.44	1.00	1.25	1.19	2.63	
7.65	3/4	1016352	15.7	3.00	9.44	12.25	1.56	.56	1.19	1.34	2.09	1.25	1.41	1.50	3.13	
9.00	7/8	1016361	39.0	4.00	14.13	17.75	1.75	.81	1.50	1.75	3.50	1.72	1.66	1.81	4.69	
13.5	1	1016370	40.0	4.00	13.81	17.75	1.75	.81	1.50	1.75	3.50	2.00	2.03	2.13	4.69	
22.5	1-1/4	1016375	75.0	5.00	15.94	20.75	2.00	1.13	2.00	2.38	3.69	2.25	2.31	2.38	5.25	
31.5	1-1/2	1016379	75.0	5.00	15.94	20.75	2.00	1.13	2.00	2.38	3.69	2.25	2.31	2.38	5.25	

5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

AS-5 Eye & Eye


Working Load Limit (t)*	Wire Rope Size (in)	Stock No.	AS-5 EYE & EYE				Dimensions (in)									
			Weight Each (lb)	A	B	C	D	E	F	G						
.40	1/8	1016409	.3	.88	2.63	3.38	.38	.25	.25	.25	.81					
.68	1/4	1016418	.9	1.31	3.75	4.63	.44	.31	.38	.44	.88					
1.35	3/8	1016427	1.8	1.63	4.31	5.56	.63	.50	.66	.63	.88					
2.70	1/2	1016436	4.3	2.00	6.13	8.13	1.00	.75	.91	.91	2.00					
4.50	5/8	1016445	8.6	2.50	7.75	10.63	1.19	1.00	1.25	1.25	2.63					
7.65	3/4	1016454	15.4	3.00	9.31	12.31	1.50	1.25	1.41	1.41	3.13					
9.00	7/8	1016463	37.0	4.00	13.88	17.50	1.81	1.72	1.63	1.63	4.69					
13.5	1	1016472	39.0	4.00	13.25	17.50	2.13	2.00	2.13	2.13	4.69					
22.5	1-1/4	1016481	72.0	5.00	16.00	20.75	2.38	2.25	2.31	2.31	5.25					
31.5	1-1/2	1016490	72.0	5.00	16.00	20.75	2.38	2.25	2.31	2.31	5.25					

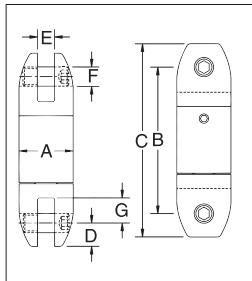
5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

AS-6 Eye & Hook


Working Load Limit (t)*	Wire Rope Size (in)	Stock No.	AS-6 EYE & HOOK				Dimensions (in)									
			Weight Each (lb)	A	B	C	D	E	F	G	H	Deformation Indicator AA	Replacement Latch Kit Stock No.			
.40	1/8	1016502	.7	.88	4.38	2.86	.93	.25	.81	.25	.73	1.50	1096325			
.68	1/4	1016513	1.5	1.31	5.56	3.16	.97	.38	.88	.31	.84	1.50	1096374			
1.35	3/8	1016520	2.9	1.63	6.22	4.00	1.16	.66	1.34	.50	1.14	1.50	1096374			
2.70	1/2	1016529	6.2	2.00	8.63	4.84	1.41	.91	2.00	.75	1.44	2.50	1096374			
4.50	5/8	1016538	12.4	2.50	10.77	6.28	1.69	1.25	2.63	1.00	1.82	3.00	1096562			
7.65	3/4	1016547	23.5	3.00	13.52	8.34	2.41	1.40	3.13	1.25	2.60	4.00	1096657			
9.00	7/8	1016556	52.0	4.00	18.08	10.34	3.19	1.66	4.69	1.72	3.00	5.00	1096704			
13.5	1	1016565	53.0	4.00	17.64	10.34	3.19	2.03	4.69	2.00	3.00	5.00	1096704			
22.5	1-1/4	1016574	94.0	5.00	20.88	13.62	3.25	2.34	5.25	2.25	3.62	6.50	1090161			
31.5	1-1/2	1016583	138.0	5.00	24.00	14.06	3.00	2.34	5.25	2.25	4.56	7.00	1090189			

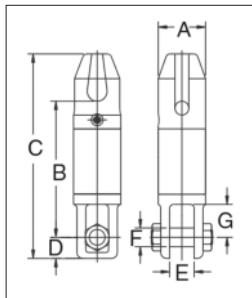
5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

AS-7 Bullet Style Jaw & Jaw



AS-7 BULLET STYLE JAW & JAW				Dimensions (in)						
Working Load Limit (t)*	Wire Rope Size (in)	Stock No.	Weight Each (lb)	A	B	C	D	E	F	G
.40	1/8	1016604	.4	.88	2.38	3.13	.38	.25	.31	.40
.68	1/4	1016611	1.1	1.31	3.56	4.44	.44	.31	.38	.56
1.35	3/8	1016622	1.8	1.63	4.06	5.19	.56	.50	.44	.81
2.70	1/2	1016631	3.8	2.00	5.44	7.06	.81	.75	.63	.94
4.50	5/8	1016640	8.0	2.50	7.75	10.06	1.13	1.00	.88	1.56
7.65	3/4	1016649	14.5	3.00	9.88	12.38	1.25	1.31	1.00	2.13
9.00	7/8	1016652	40.0	4.00	13.13	16.75	1.75	1.75	1.50	3.25
13.5	1	1016658	40.0	4.00	13.13	16.75	1.75	1.75	1.50	3.25
22.5	1-1/4	1016662	84.0	5.00	15.94	20.75	2.38	2.00	2.00	3.69
31.5	1-1/2	1016667	84.0	5.00	15.94	20.75	2.38	2.00	2.00	3.69

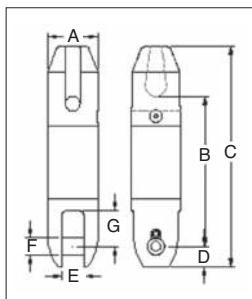
5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.



AS-11 Thimble & Jaw

AS-11 THIMBLE & JAW				Dimensions (in)						
Working Load Limit (t)*	Wire Rope Size (in)	Stock No.	Weight Each (lb)	A	B	C	D	E	F	G
7.65	3/4	1017020	18.0	3.00	8.66	13.00	1.34	1.56	1.19	2.09
13.5	1	1017029	42.0	4.00	11.66	17.53	1.75	1.78	1.50	3.50

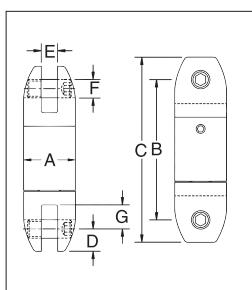
5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.



AS-14 Thimble & Bullet

AS-14 THIMBLE & BULLET				Dimensions (in)						
Working Load Limit (t)*	Wire Rope Size (in)	Stock No.	Weight Each (lb)	A	B	C	D	E	F	G
7.7	3/4	1017255	20.0	3.00	9.00	13.25	1.25	1.31	1.00	2.13
13.6	1	1017258	40.0	4.00	11.50	17.38	1.75	1.75	1.50	3.25
22.7	1-1/4	1017261	81.0	5.00	14.31	21.19	2.38	2.00	2.00	3.69

5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.



AS-17 Bullet Style Jaw & Jaw Slurry Swivel

AS-17 BULLET JAW & SLURRY SWIVEL				Dimensions (in)						
Working Load Limit (t)*	Wire Rope Size (in)	Stock No.	Weight Each (lb)	A	B	C	D	E	F	G
7.65	3/4	8013342	14.5	3.00	10.13	12.63	1.25	1.31	1.00	2.13
13.5	1	8013343	40.0	4.00	13.50	17.00	1.75	1.75	1.50	3.25
22.5	1-1/4	8013376	84.0	5.00	16.16	20.92	2.38	2.00	2.00	3.69
31.5	1-1/2	8013344	84.0	5.00	16.16	20.92	2.38	2.00	2.00	3.69
40.5	-	2016585	150.0	6.00	20.25	26.25	3.00	2.53	2.25	2.75

5:1 Design Factor. Individually Proof Tested to 2 times the Working Load Limit.

BK Safety Hook

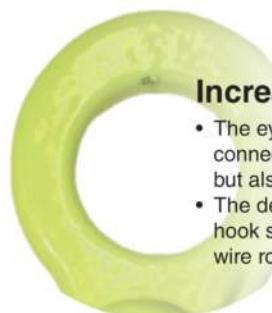
The Original

In 1965, the innovative Gunnebo Industries BK Safety Hook increased job site safety in the construction industry. Today the BK Safety Hook is the foundation of the renowned BK product family.



Watch a BK Safety Hook with Double Latch BKD demo at: [\[YouTube link\]](#)

4



Increased flexibility

- The eye design enables connection to not only G-links, but also C-links and Berglok.
- The design makes the BK hook suitable for steel wire ropes.



Heavy duty rivet

- Recessed rivet for a slim design.
- Decreases the risk of snagging.
- Ideal in narrow spaces.

Quality is top priority

- Fatigue tested.
- Forged alloy steel.
- Hardened and tempered.
- Every hook is individually proof-loaded at 2.5 x WLL.
- Full traceability back to the raw material.



Precision manufacturing

- Perfect fit between the parts.
- Increases safety during operation.



Fluorescent color

- For high visibility in the field.

Clear markings

- Country of origin.
- Traceability codes.
- Model, size, and grade.



Flat section

- For attachment to other GrabIQ or wire components.



Latch rotation stop

- Protects the trigger mechanism from damage.

Replaceable trigger set

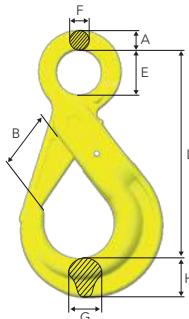
- Quick and easy assembly.
- Available as a complete spare part kit.

Recessed trigger

- To avoid the trigger from snagging or being damaged, it has been recessed into the body of the hook.
- Helps to prevent the latch from accidentally opening.

Safety Hook BK

The "original" safety hook with eye connector.



Stock No.	Code	WLL (lb)*	A	L	B	E	F	G	H	Weight (lb)
Z101108	BK-6-10	3306	0.47	4.29	1.14	0.87	0.39	0.59	0.83	1.10
Z101097	BK-7/8-10	5700	0.55	5.43	1.46	1.10	0.43	0.67	1.02	1.98
Z101024	BK-10-10	8800	0.63	6.61	1.77	1.34	0.51	0.83	1.22	3.31
Z101032	BK-13-10	15000	0.79	8.15	2.17	1.73	0.63	1.18	1.57	6.61
Z101040	BK-16-10	22600	1.02	10.00	2.44	2.20	0.79	1.46	1.97	12.13
Z101089	BK-18/20-10	35300	1.18	11.38	2.68	2.36	0.87	1.73	2.52	19.84
Z101325	BK-22-10	44080	1.26	12.60	3.15	2.76	0.94	1.97	2.52	24.91
Z101326	BK-26-10	60169	1.38	13.46	3.94	3.15	0.98	2.13	2.68	36.38

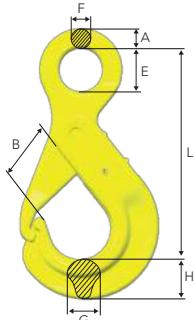
Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.

For larger sizes, see Classic Grade 8.

4:1 Design Factor

Safety Hook OBK

Safety hook with eye connector and grip latch.

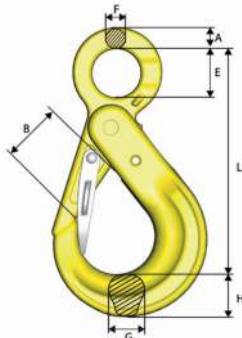


Stock No.	Code	WLL (lb)*	A	L	B	E	F	G	H	Weight (lb)
Z101048	OBK-6-10	3306	0.47	4.06	1.02	0.87	0.35	0.59	0.67	0.88
Z101143	OBK-7/8-10	5700	0.55	5.47	1.46	1.10	0.39	0.79	0.87	1.76
Z101145	OBK-10-10	8800	0.63	6.69	1.85	1.34	0.51	0.87	1.14	2.87
Z101147	OBK-13-10	15000	0.83	8.11	2.09	1.73	0.59	1.14	1.50	5.73
Z101141	OBK-16-10	22600	1.02	9.88	2.68	2.20	0.75	1.14	1.77	9.70
Z101240	OBK-18/20-10	35300	1.10	11.54	2.91	2.36	0.87	1.73	2.20	16.09

For larger sizes see Classic Grade 8(OBK-22-8). Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.
4:1 Design Factor. For larger sizes see Classic Grade 8 (OBK-22-8).

Safety Hook BKD

Double latch BK-hook with recessed trigger. Should the first hook latch accidentally open, either through direct impact or excessive wear on the trigger, the extra latch is there to retain the load safely. The secondary latch is designed to be easily operated and will not cause inconvenience for the operator.



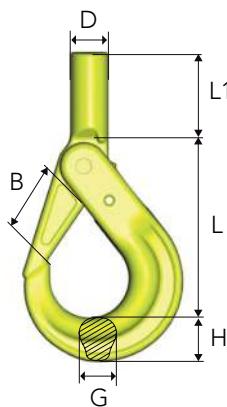
Stock No.	Code	WLL (lb)*	A	L	B	E	F	G	H	Weight (lb)
Z101154	BKD-13-10	15000	0.79	8.15	1.73	1.73	0.63	1.18	1.57	7.05
Z101155	BKD-16-10	22600	1.02	10.00	1.89	2.20	0.79	1.46	1.97	12.79
Z101156	BKD-18/20-10	35300	1.18	11.38	2.24	2.36	0.87	1.73	2.44	20.06
Z101373	BKD-26-10 OS	60169	1.38	13.46	2.83	3.15	0.98	2.13	2.68	37.04

Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.

4:1 Design Factor

Shank Safety Hook BKT

Safety hook with shank ready for customized machines.



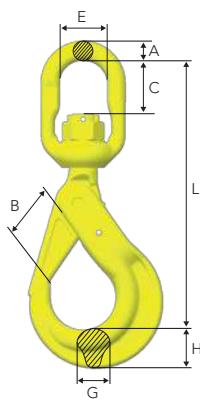
Stock No.	Code	WLL (lb)*	L	B	L1	D	d min	G	H	Weight (lb)
Z101120	BKT-6-10	3306	3.54	1.14	1.42	0.79	0.43	0.59	0.83	1.10
Z101120	BKT-7/8-10	5700	4.37	1.46	1.85	0.94	0.51	0.67	1.02	1.98
Z1010690	BKT-10-10	8800	5.24	1.77	2.01	1.14	0.63	0.83	1.22	3.53
Z1010710	BKT-13-10	15000	6.30	2.17	3.03	1.34	0.79	1.18	1.54	6.61

Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.

d min = the smallest permitted shank dimension after machining.

Note! After machining of the shank, proof loading must be carried out.

4:1 Design Factor



Swivel Safety Hook BKL

Safety hook with swivel for improved positioning of the hook before the load is lifted (360° rotation).

Stock No.	Code	WLL (lb)*	L	B	C	E	A	G	H	Weight (lb)
Z101114	BKL-6-10	3306	5.87	1.14	0.91	1.30	0.43	0.59	0.83	1.54
Z101104	BKL-7/8-10	5700	7.20	1.46	1.06	1.50	0.47	0.67	1.02	2.65
Z101028	BKL-10-10	8800	8.58	1.77	1.46	1.73	0.59	0.83	1.22	4.41
Z101036	BKL-13-10	15000	11.10	2.17	1.93	1.89	0.75	1.18	1.57	8.82
Z101044	BKL-16-10	22600	13.43	2.44	2.56	2.40	0.98	1.46	1.97	15.87
Z101093	BKL-18/20-10	35300	14.49	2.68	2.76	2.83	1.22	1.73	2.44	25.13

Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.

4:1 Design Factor

Swivel Safety Hook BKLK

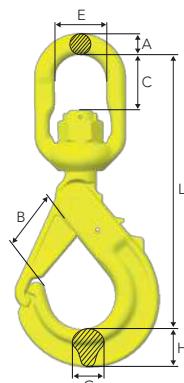
Safety hook with ball-bearing for 360° rotation under full WLL.

Stock No.	Code	WLL (lb)*	L	B	C	E	A	G	H	Weight (lb)
Z101116	BKLK-6-10	3306	5.87	1.14	0.94	1.30	0.43	0.59	0.83	1.54
Z101106	BKLK-7/8-10	5700	7.20	1.46	1.06	1.50	0.47	0.67	1.02	2.65
Z101030	BKLK-10-10	8800	8.58	1.77	1.38	1.73	0.59	0.83	1.22	4.41
Z101038	BKLK-13-10	15000	11.02	2.17	1.77	1.89	0.75	1.18	1.57	8.82
Z101046	BKLK-16-10	22600	13.35	2.44	2.44	2.40	0.98	1.46	1.97	16.09
Z101095	BKLK-18/20-10	35300	14.49	2.68	2.36	2.83	1.22	1.73	2.44	25.35
Z101294	BKLK-22-10 OS	44080	17.17	3.11	3.15	3.15	1.38	1.97	2.44	37.04
Z101295	BKLK-26-10 OS	60169	19.13	3.94	4.33	4.02	1.77	2.13	2.68	57.32

Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.

For larger sizes, see Classic Grade 8.

4:1 Design Factor



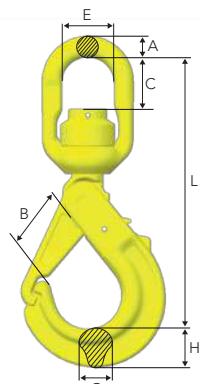
Swivel Safety Hook with Griplatch LBK

Safety hook with griplatch and swivel for improved positioning of the hook before the load is lifted (360° rotation).

Stock No.	Code	WLL (lb)*	L	B	C	E	A	G	H	Weight (lb)
Z100978	LBK-7/8-10	5700	6.97	1.46	1.06	1.50	0.47	0.79	0.87	2.43
Z100960	LBK-10-10	8800	8.43	1.85	1.46	1.73	0.59	0.87	1.14	3.97
Z100993	LBK-13-10	15000	10.31	2.09	1.77	1.89	0.75	1.14	1.50	7.72
Z100995	LBK-16-10	22600	12.76	2.68	2.60	2.40	0.98	1.18	1.77	13.01

Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.

4:1 Design Factor



Swivel Safety Hook with Griplatch LKBK

Safety hook with griplatch and ball-bearing for 360° rotation under full WLL.

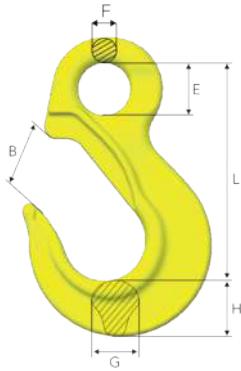
Stock No.	Code	WLL (lb)*	L	B	C	E	A	G	H	Weight (lb)
Z100980	LKBK-7/8-10	5700	6.93	1.46	1.06	1.50	0.47	0.79	0.87	2.43
Z100962	LKBK-10-10	8800	8.39	1.85	1.38	1.73	0.59	0.87	1.14	4.19
Z100997	LKBK-13-10	15000	10.28	2.09	1.69	1.89	0.75	1.14	1.50	7.94
Z100999	LKBK-16-10	22600	12.72	2.68	2.40	2.40	0.98	1.18	1.77	13.67

Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.

4:1 Design Factor

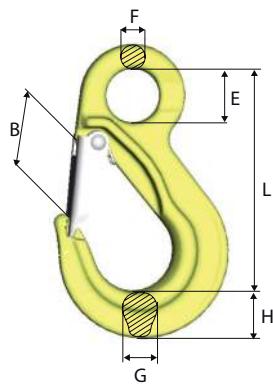
Sling Hook EK

Sling hook with eye connector.



4:1 Design Factor. Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M-02.

Sling Hook EKN (with latch)

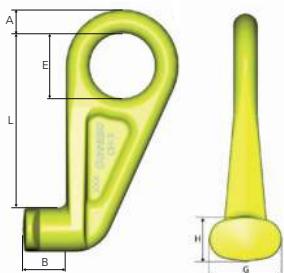


Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.

4:1 Design Factor

Container Hook CH

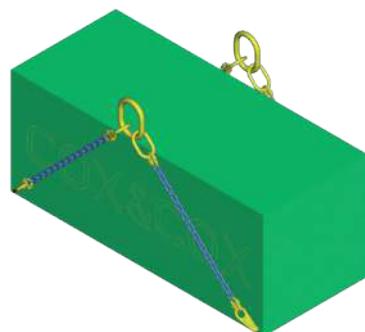
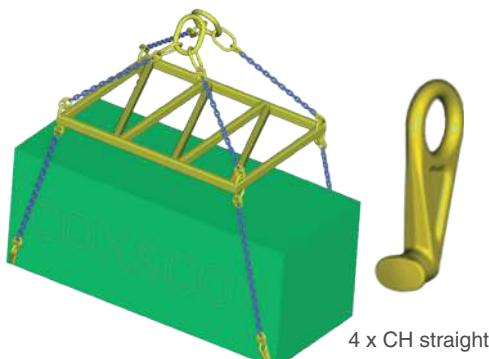
Made for lifting containers in their lower fittings.



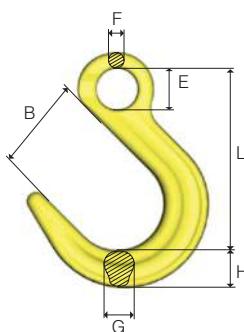
4:1 Design Factor

Alt. 1 - Straight lift

Alt. 2 - Angular lift



Foundry Hook OKE



Stock No.	Code	WLL (lb)*	L	B	E	F	G	H	Weight (lb)
Z100853	OKE-7/8-10	5700	4.88	2.48	1.10	0.47	0.83	1.02	1.76
Z100854	OKE-10-10	8800	5.94	2.99	1.34	0.59	1.02	1.18	3.09
Z100855	OKE-13-10	15000	7.24	3.54	1.73	0.75	1.30	1.54	6.17
Z100898	OKE-16-10	22600	8.58	4.02	2.20	0.91	1.57	1.81	10.80
Z101340	OKE-20-10	35300	9.72	4.49	2.36	1.06	1.81	2.36	15.87
Z101341	OKE-22-10	44080	10.83	4.72	2.52	1.22	2.36	2.76	24.91
Z101342	OKE-26-10	60169	11.81	4.45	2.76	1.38	2.52	3.03	35.27

Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.

For larger sizes, see Classic Grade 8.

4:1 Design Factor

Swivel Latch Hook LKN

Sling hook with swivel for improved positioning of the hook before the load is lifted (360° rotation).

Stock No.	Code	WLL (lb)*	Dimensions (in)							Weight (lb)
			L	B	C	E	A	G	H	
Z101345	LKN-7/8-10	5700	6.10	1.10	1.10	1.50	0.47	0.71	0.94	1.76
Z101346	LKN-10-10	8800	7.56	1.38	1.46	1.73	0.59	0.91	1.22	3.31
Z101347	LKN-13-10	15000	9.37	1.57	1.85	1.89	0.75	1.10	1.50	6.83
Z101348	LKN-16-10	22600	11.61	2.09	2.56	2.40	0.98	1.34	1.69	11.7

Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.

4:1 Design Factor

Swivel Latch Hook LKNK

Swivel latch hook with ball bearing for 360° rotation under full WLL.

Stock No.	Code	WLL (lb)*	Dimensions (in)							Weight (lb)
			L	B	C	E	A	G	H	
Z101349	LKNK-7/8-10	5700	6.06	1.10	1.10	1.50	0.47	0.71	0.94	1.98
Z101350	LKNK-10-10	8800	7.52	1.38	1.38	1.73	0.59	0.91	1.22	3.53
Z101351	LKNK-13-10	15000	9.29	1.57	1.77	1.89	0.75	1.10	1.50	7.28
Z101352	LKNK-16-10	22600	11.54	2.09	2.44	2.40	0.98	1.34	1.69	12.3
Z101354	LKNK-22-10	44080	15.75	2.91	3.15	3.15	1.38	1.69	2.64	31.5

Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.

4:1 Design Factor

Clevis Swivel Hook LKNG

For direct connection to small cranes or similar applications that require positioning of hook.

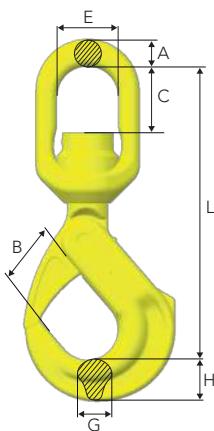
Swivel for improved positioning (360°).

Stock No.	Code	WLL (lb)*	L	B	C	A	G	H	K	Weight (lb)
Z101353	LKNG-16-10	22600	10.16	2.09	1.18	1.10	1.34	1.69	1.06	12.5

Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.

4:1 Design Factor

Swivel Safety Hook BKLK Offshore HDG

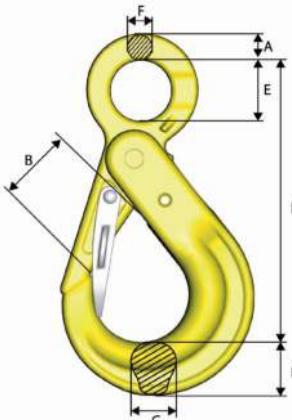


Stock No.	Code	WLL (lb) 4:1	WLL (lb) 5:1	L	B	C	E	A	G	H	Weight (lb)
ZG101370	BKLK-13-8 OS W HDG	14800	12000	12.09	2.17	2.83	2.40	0.98	1.18	1.57	10.80
ZG101371	BKLK-16-8 OS W HDG	22600	18000	14.45	2.44	3.46	3.23	1.02	1.46	1.97	18.52
ZG1013561	BKLK-18/20-8 OS W HDG	35300	28300	15.55	2.68	3.46	3.15	1.38	1.81	2.52	29.76
ZG101294	BKLK-22-8 OS HDG	44080	35300	17.17	3.11	3.15	3.15	1.38	1.97	2.44	37.04
ZG101295	BKLK-26-8 OS HDG	60169	47700	19.13	3.94	4.33	4.02	1.77	2.13	2.68	58.42
ZG101344	BKLK-32-8 OS HDG	72300	57745	20.98	4.72	4.33	4.02	1.77	2.44	3.39	71.21
With double latch											
ZGS1167	BKLKD-13-8 OS W HDG	14800	12000	12.09	1.73	2.83	2.40	0.98	1.18	1.57	11.02
ZGS1168	BKLKD-16-8 OS W HDG	22600	18000	14.45	1.89	3.46	3.23	1.02	1.46	1.97	19.40
ZGS1169	BKLKD-18/20-8 OS W HDG	35300	28300	14.49	2.05	2.36	2.83	1.22	1.73	2.56	27.34
GS1170	BKLKD-26-10 OS	60169	48048	486	72	110	102	45	54	68	59.52

Manufactured according to requirements in: DNV 2.7-1:2013, DNVGL-ST-0377:2016, DNVGL-ST-0388:2016 and NORSO R-002:2017.

Safety Hook BK & BKLK Offshore with Double Latch

With recessed trigger



Due to the motion of the sea when loading and unloading offshore, direct impact on the hook could cause the latch to unintentionally open when not being under load, risking the load to unhitch. The double latch safety hook has an extra latch retaining the load in this case.

Stock No.	Code	WLL (lb)*	A	L	B	E	F	G	H	Weight (lb)
Z101154	BKD-13-10	15000	0.79	8.15	1.73	1.77	0.63	1.18	1.57	7.05
Z101155	BKD-16-10	22600	1.02	10.00	1.89	2.20	0.79	1.46	1.97	12.79
Z101156	BKD-18/20-10	35300	1.18	11.42	2.05	2.36	0.87	1.73	2.44	20.06
Z101373	BKD-26-10 OS	60169	1.38	13.58	2.83	3.15	0.98	2.13	2.68	37.04

4:1 Design Factor

Double Latch
Should the hook latch accidentally open, either through direct impact or excessive wear on the trigger, the extra latch is there to retain the load safely. The extra latch is designed to be easily operated.



Recessed Trigger
To avoid the trigger from being hit or damaged it has been recessed into the hook. This prevents the latch further from accidentally opening.

Safety Hook BK Offshore

Stock No.	Code	WLL (lb) 4:1	WLL (lb) 5:1	L	B	E	F	G	H	Weight (lb)
Z101355	BK-26-10 OS	60169	48048	13.46	3.94	3.15	0.98	2.13	2.68	36.38
Z101364	BK-32-8 OS	72300	57745	15.75	4.72	3.54	1.18	2.44	3.39	52.03

Offshore material, impact toughness > 20 ft-lb (27 J) at -4°F.

Manufactured according to requirements in: DNV 2.7-1:2013, DNVGL-ST-0377:2016, DNVGL-ST-0388:2016 and NORSO R-002:2017

Increased safety in heavy lifting operations

The WRIN STR Handle provides additional safety to the Gunnebo Industries BK Safety Hook family.

Improved workplace safety

- With the WRIN STR Handle, the operator opens and closes the safety hook without placing their hands inside the hook, resulting in a reduced risk of personal injury on job sites. The handle is easily mounted to the safety hook, without compromising the integrity of design and capabilities of the hook.

Suitable to any safety hook within the BK family

- The WRIN STR Handle is easily mounted to any safety hook within the BK family.
- For sling shops the WRIN STR Handle is the perfect complement to the BK safety hooks, reducing the need for stocking a large assortment of different safety hooks.
- If the handle is fully operable, it can be mounted and reused on a new hook if the existing hook is worn out.

Unique design

- The handle will keep the integrity of the hook's design and capabilities uncompromised.
- The handle is clamped to the hook and fixed by the hook's trigger pin.
- Hole for attaching a lead line for easy retrieval.
- Made of stainless steel according to AISI 316.

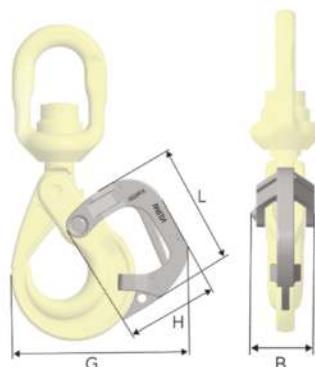


WRIN STR Handle

Suitable to any safety hook within the Gunnebo Industries BK family.

Stock No.	Code	Hook size	Dimensions				Suits the following safety hooks:	Weight (lb)
			L	H	B	G		
Z101413	STRG13	1/2"	5.71	4.06	2.36	7.24	BK, BKG, BKL, BKLK	1.76
Z101414	STRG16	5/8"	7.17	5.51	3.15	10.04	BK, BKG, BKL, BKLK	4.08
Z101415	STRG20	3/4"	7.64	6.10	3.54	11.02	BK, BKG, BKL, BKLK	5.51
Z101416	STRG22	7/8"	7.99	6.46	3.54	11.81	BK, BKLK	5.62
Z101417	STRG26	1"	8.46	7.56	4.06	13.70	BK, BKLK	7.50
Z101418	STRG32	1 1/4"	10.35	7.05	4.06	14.96	BK, BKLK	8.71

Material: Stainless steel according to AISI 316.



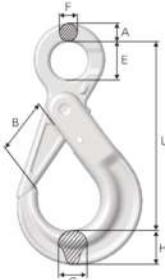
Dual surface treatment



- HDG + powder coat
- Easier to see in low visibility conditions
- Extended service life for unparalleled corrosion protection

Hot-dip galvanized (HDG) hooks for offshore harsh environments. Watch video at [thechosbygroup.com/ductility](#)

Understanding the importance of high ductility in lifting equipment. Watch video at [thechosbygroup.com/ductility](#)



Safety Hook BK HDG

Stock No.	Code	WLL (lb)*	A	L	B	E	F	G	H	Weight (lb)
ZG101108	BK-6-8 HDG	2500	0.47	4.29	1.14	0.87	0.39	0.59	0.83	1.10
ZG101097	BK-7/8-8 HDG	4500	0.55	5.43	1.46	1.10	0.43	0.67	1.02	1.98
ZG101024	BK-10-8 HDG	7100	0.63	6.61	1.77	1.34	0.51	0.83	1.22	3.31
ZG101032	BK-13-8 HDG	12000	0.79	8.15	2.17	1.73	0.63	1.18	1.57	6.61

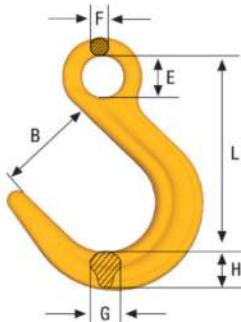
4:1 Design Factor



Swivel Safety Hook BKL HDG

Stock No.	Code	WLL (lb)*	L	B	C	E	A	G	H	Weight (lb)
ZG101028	BKL-10-8 HDG	7100	8.58	1.77	1.46	1.73	0.59	0.83	1.22	4.41
ZG101036	BKL-13-8 HDG	12000	11.10	2.17	1.93	1.89	0.75	1.18	1.57	8.82
ZG101044	BKL-16-8 HDG	8.2	13.54	2.44	2.68	2.40	0.98	1.46	1.97	16.24

4:1 Design Factor



Foundry Hook OKE

Stock No.	Code	WLL (lb)*	L	B	E	F	G	H	Weight (lb)
Z645564	OKE-32-8	72300	15.12	5.71	3.54	1.65	3.03	3.70	66.14

Fulfils requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

4:1 Design Factor



Surface Treatment Production | Växjö, Sweden

BEHIND THE SCENES

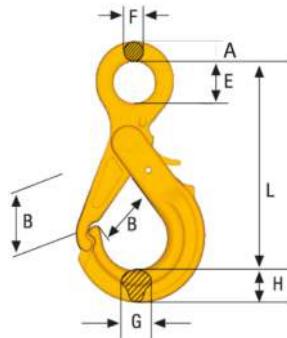
Get a behind-the-scenes look at the innovative processes to manufacture the world's leading rigging, lifting, and load securement hardware.

Watch all videos at [thechosbygroup.com](#)



Collaborative Robot | Växjö, Sweden

Testing & Inspection | Växjö, Sweden



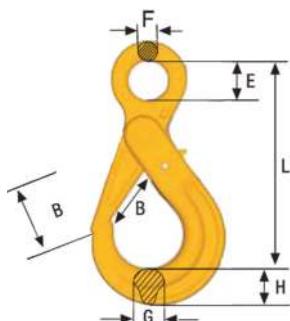
Safety Hook with Griplatch OBK

Stock No.	Code	WLL (lb)*	A	L	B	E	F	G	H	Weight (lb)
Z100218	OBK-22-8	34200	1.18	13.19	3.43	2.76	0.94	1.57	2.24	22.49

Fulfils requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

4:1 Design Factor

4

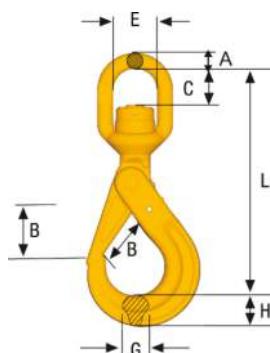


Safety Hook BK

Stock No.	Code	WLL (lb)*	L	B	E	F	G	H	Weight (lb)
Z101357	BK-32-8	72300	15.75	4.72	3.54	1.18	2.44	3.39	23.8

Fulfils requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

4:1 Design Factor



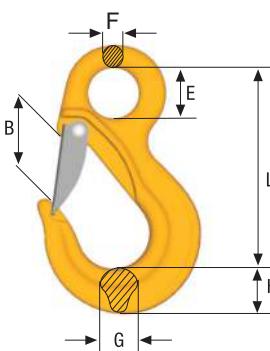
Swivel Safety Hook BKLK

Safety hook with ball-bearing for 360° rotation under full load.

Stock No.	Code	WLL (lb)*	L	B	C	E	A	G	H	Weight (lb)
Z101344	BKLK-32-8 OS	72300	20.98	4.72	4.33	4.02	1.77	2.44	3.39	71.21

Fulfils requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

4:1 Design Factor



Sling Hook EK (without latch) and EKN (with latch)

Stock No.	Code	WLL (lb)*	L	B	E	F	G	H	Weight (lb)
Z100720	EK-32-8	72300	13.11	4.13	2.99	1.50	2.40	3.15	39.02
Z100725	EKN-32-8	72300	13.11	3.66	2.99	1.50	2.40	3.15	39.46

Fulfils requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

4:1 Design Factor

Universal weld-on hook, UKN

The original excavator hook

Excavators are often used for material handling and lifting because they are available on most construction sites. However, rigging gear is often incorrectly attached, either to the teeth of the bucket or directly on the excavator arm, which is a dangerous practice that can lead to accidents.

The Gunnebo Industries UKN Hook was developed in 1975 – a solution that transformed the excavator into a lifting crane. The UKN Hook has been fitted to excavators and other applications for almost 50 years, either as an aftermarket product or directly by the manufacturer.

Today the UKN is the hook of choice for leading international excavator manufacturers.

Quality

- Forged alloy steel.
- Hardened and tempered.

100% proof-loaded

- Every hook is individually proof-loaded at 3 x WLL.

High durability

- Forged.
- Rated with a 5:1 safety factor.

Clear markings

- Country of origin.
- Traceability code.
- Model and size.



Prepared for welding

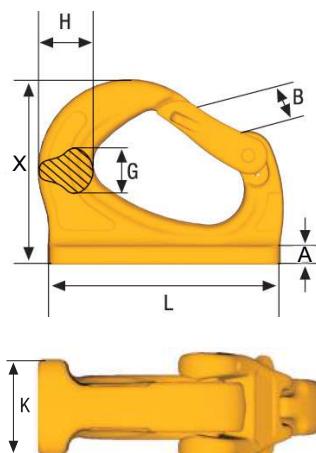
- Base plate prepared for welding.

Heavy duty latch

- Latch with handles for easy opening.
- Hardened and tempered.

Pin & spring

- Spring protection.
- Hardened and tempered hinge pin.
- Stainless steel spring.



Universal Weld-On Hook - UKN

Stock No.	Code	WLL (lb)	Dimension (in)							Weight (lb)
			B	G	H	K	L	A	X	
Z1002560	UKN-0.75*	1 653	0.79	0.51	0.79	0.75	3.21	0.20	2.20	0.44
Z6511810	UKN-1*	2 204	1.06	0.67	0.98	0.98	3.74	0.24	2.83	1.32
Z7009060	UKN-2*	4 500	1.30	0.79	1.18	1.18	4.49	0.31	3.39	1.98
Z6455730	UKN-3	6 612	1.18	0.91	1.26	1.38	5.20	0.39	4.13	2.87
Z6521160	UKN-4	8 800	1.18	1.14	1.50	1.65	5.51	0.43	4.49	4.41
Z6455800	UKN-5	11 020	1.34	1.18	1.85	1.77	6.50	0.47	5.16	7.05
Z6515390	UKN-8	17 632	1.34	1.57	2.01	1.97	6.77	0.51	5.24	7.94
Z6456030	UKN-10	22 040	1.85	1.69	2.28	2.17	8.66	0.55	6.69	18.08
Z1007850	UKN-15	33 060	2.17	1.97	2.64	2.36	9.45	0.59	7.40	21.61
Z1007851	UKN-20	44 080	2.56	2.36	3.35	2.36	10.83	0.59	8.15	27.34

* Welding plate slightly curved

** Safety factor 5:1

Fulfils requirements in: EN 474-1.

Spare Part RD BK

(with assembly kit)

Set for BK/BKG Safety hooks consisting of trigger, stainless steel spring, retaining pin and assembly kit.



Recessed trigger

Stock No.	Code	Weight (lb)
Z100282	RDBK-6	0.04
Z100283	RDBK-8	0.07
Z100284	RDBK-10	0.07
Z100285	RDBK-13	0.11
Z100286	RDBK-16	0.22
Z100297	RDBK-18/20	0.46
Z100287	RDBK-22	0.44
Z100280	RDBK-26	1.10
Z100294	RDBK-32	1.54

Standard trigger (long trigger)

Stock No.	Code	Weight (lb)
Z1002820	RDBK-6	0.02
Z1002830	RDBK-8	0.07
Z1002840	RDBK-10	0.07
Z1002850	RDBK-13	0.11
Z1002860	RDBK-16	0.26

Spare Part RD OBK/GBK

(with assembly kit)

Set for OBK/GBK Safety hooks consisting of trigger, stainless steel spring, retaining pin and assembly kit.



Stock No.	Code	Weight (lb)
Z100281	RDOBK-6	0.02
Z100288	RDOBK-7/8	0.04
Z100289	RDOBK-10	0.07
Z100290	RDOBK-13	0.11
Z100291	RDOBK-16	0.18
Z100297	RDBK-18/20	0.46
Z100323	RDBK-22-8	0.77

Spare Part RD BKD/BKLKD

(with assembly kit)

Set for BKD/BKLKD Safety hooks consisting of trigger, stainless steel spring, retaining pin and assembly kit.



Stock No.	Code	Weight (lb)
Z101157	RDBKD-13 double latch	0.49
Z101158	RDBKD-16 double latch	0.93
Z101159	RDBKD-18/20 double latch	1.04

Spare Part RD GKN/OKN

Set for GKN/OKN Safety hooks consisting of trigger, stainless steel spring, retaining pin and assembly kit.



Stock No.	Code	Weight (lb)
Z622175	RDGKN/OKN-7/8-8	0.11
Z622183	RDGKN/OKN-10-8	0.20
Z622206	RDGKN/OKN-13-8	0.29
Z622214	RDGKN-16-8	0.49



Spare Part RD LKNG

Stock No.	Code	Weight (lb)
Z700495	RDLKNG-16 Bolt and Nut	1.54
B60122	RDLKNG-16 Bronze Washer and Retaining pin	0.07



Spare Part LKN / LKNK / EKN / OKN / EGKN / RH / ESKN

Set consisting of latch, stainless steel spring, and rivet.

Stock No.	Code	Weight (lb)
Z100445	RDEKN- 6 / OKN / RH 1	0.07
Z100447	RDEKN- 7/8 /LKN / RH 2	0.11
Z100450	RDEKN-10 / LKN / RH 3	0.13
Z100449	RDEKN-13 / LKN / RH 5	0.29
Z100217	RDEKN-16 / LKN	0.44
Z100453	RDEKN-18/20	0.57
Z100452	RDEKN-22	0.93
Z100742	RDEKN-26	1.17
Z100743	RDEKN-32	1.32



Spare Part Set SKN, OKN and LKN (old version)

Set consisting of latch, stainless steel spring, and rivet.

Stock No.	Code	Weight (lb)
Z420581	RDSKN/LKN-7/8-8	0.11
Z420688	RDSKN/LKN-10-8	0.22
Z420785	RDSKN/LKN-13-8	0.31
Z420989	RDSKN/OKN-16-8	0.49
Z421087	RDSKN/OKN-18/20-8	0.60
Z700698	RDOKN-22-8	1.06



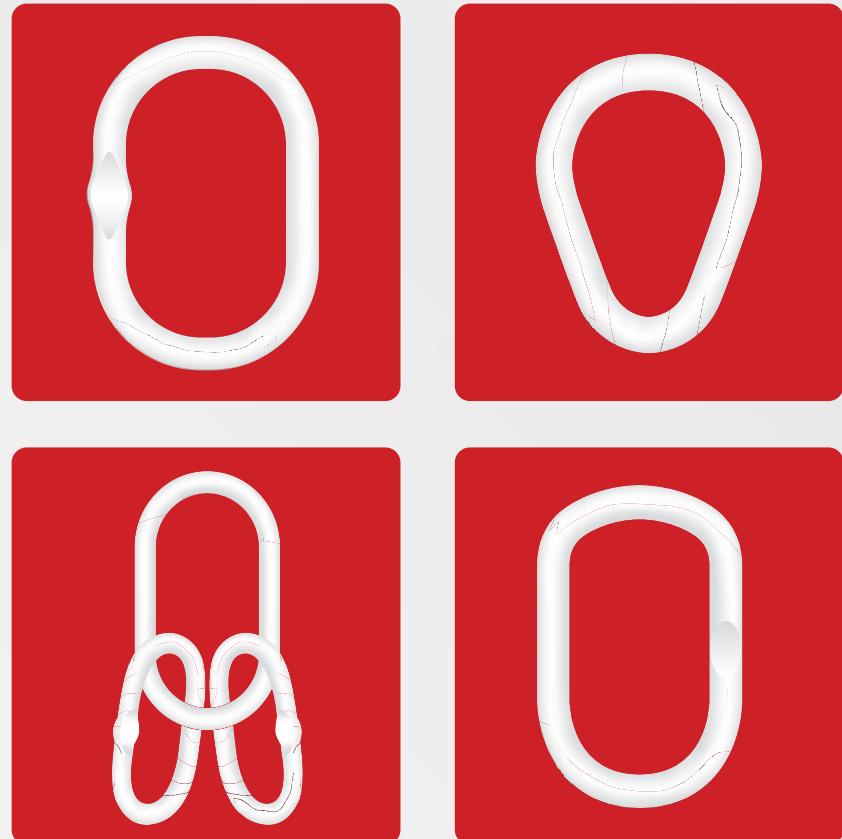
Spare Part UKN

Spare part set RDUKN (msp) consisting of forged latch, pin, stainless steel spring, and retaining pin.

Stock No.	Code	Weight (lb)
Z100258	RDUKN-0.75	0.13
Z700264	RDUKN-1	0.26
Z700958	RDUKN-2	0.44
Z700266	RDUKN-3/4	0.44
Z700268	RDUKN-5/8	0.79
Z700269	RDUKN-10	1.94
Z700984	RDUKN-15/20	2.65

MASTER LINKS

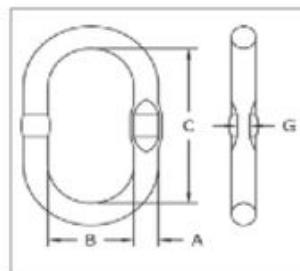
The Crosby Group offers a wide range of links, from small 1,800 lb capacities all the way up to 395,000 lbs, as well as application-specific links, such as the hot-dip galvanized master links for use in highly corrosive environments.



A-1343



- Alloy steel — Quenched & Tempered.
- Individually Proof Tested to values shown, with certification.
- Design Factor of 5 to 1.
- Proof Tested with 70% inside width special fixtures sized to prevent localized point loading per EN 1677-4, reference applications & warnings.
- Each main link is marked with Product Identification Code (PIC) for material traceability, Grade, CE, chain size and the "CG" (Crosby Group).
- A-1343 master links are type approved to DNV Certification. Notes 2.7-1- Offshore Containers. These Crosby master links are 100% proof tested. Every batch is impact tested. The tests are conducted by Crosby and 3.1 test certification is available upon request.
- Engineered Flat for use with S-1325A coupler link.
- Fatigue rated to 20,000 cycles at 1.5 times the Working Load Limit.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these links meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.



Grade 100 A-1343 Welded Master Link

Stock No.	Weight Each (lb)	Grade 100 Chain Sling		Grade 80 Chain Sling		WLL (lb)	Proof Load (lb)	Dimensions (in)				Engineered Flat Size for S-1325A (in)
		Single Leg Chain Size (in)	Double Leg Chain Size (in)	Single Leg Chain Size (in)	Double Leg Chain Size (in)			A	B	C	G	
1247051	0.8	6mm, 9/32	6mm	6mm, 9/32	6mm, 9/32, 5/16	7000	17632	0.51	2.36	4.72	0.26	6mm, 9/32, 5/16
1247087	1.9	5/16, 3/8	9/32	5/16, 3/8	5/16	9000	22701	0.67	3.54	6.30	0.33	3/8
1247096	2.3	3/8, 1/2	5/16	3/8, 1/2	3/8	14700	37027	0.75	3.54	6.30	0.33	3/8, 1/2
1247122	5.2	3/8, 1/2	3/8	3/8, 1/2	3/8	15400	38570	0.87	5.71	10.83	0.41	1/2
1247120	3.6	3/8, 1/2	3/8	5/8	3/8	19400	48488	0.87	3.94	7.09	0.41	1/2
1247126	6.7	1/2	-	1/2, 5/8	3/8	19600	48929	0.98	5.71	10.83	0.53	5/8
1247124	5.3	5/8, 1/2	3/8	5/8	1/2	25300	63475	0.98	4.53	8.27	0.53	5/8
1247133	8.5	5/8, 1/2	1/2	5/8	1/2	28600	71630	1.10	5.71	10.83	0.53	5/8
1247142	10.6	5/8, 3/4	1/2	3/4	5/8	37400	93670	1.26	5.71	10.83	0.66	-
1247151	15.2	3/4	5/8	3/4, 7/8	3/4	52900	132240	1.42	6.10	11.22	-	-
1247163	16.1	7/8	3/4	7/8	7/8	69400	173675	1.57	5.51	10.63	-	-
1247164	28.4	1	7/8	1	1	84400	210923	1.77	7.09	13.39	-	-
1247166	42.1	1, 1-1/4	7/8	1	1	99200	247950	2.01	8.46	15.35	-	-
1247175	55.3	1-1/4	1	1-1/4	1-1/4	147600	369170	2.17	7.99	15.98	-	-

5:1 Design Factor. Applications with wire rope and synthetic sling generally require a Design Factor of 5. Based on single leg sling (in-line load), or resultant load on multiple legs with an included angle less than or equal to 120 degrees. Proof Test Load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9. Chain slings require that the Design Factor be 4:1. Refer to Applications & Warnings to determine product's actual Ultimate Load. There are no manufactured flats on links over 1 1/4" (32mm).

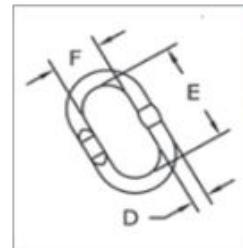
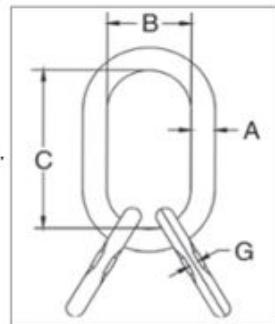
Fatigue Rated™ Crosby 8/10™ CE QT

APPLICATION AND WARNING INFORMATION SECTION 17

A-1346



- Alloy steel — Quenched & Tempered.
- Individually Proof Tested to values shown, with certification.
- Design Factor of 5 to 1.
- Proof Tested with 70% inside width special fixtures sized to prevent localized point loading per EN 1677-4, reference Applications & Warnings.
- Each main link is marked with Product Identification Code (PIC) for material traceability, Grade, CE, chain size and the "CG" (Crosby Group). Each sublink is marked with traceability code.
- A-1346 master links are type approved to DNV Certification. Notes 2.7-1-Offshore Containers. These Crosby master links are 100% proof tested. Every batch is impacted tested. The tests are conducted by Crosby and 3.1 test certification is available upon request.
- Engineered Flat for use with S-1325A coupler link.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these links meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.



5

Grade 100 A-1346 Welded Master Link Assembly

Stock No.	Weight Each (lb)	Grade 100 Chain Sling Three / Four Legs Chain Size (in)	Grade 80 Chain Sling Three / Four Legs Chain Size (in)	WLL (lb)	Proof Load (lb)	Dimensions (in)							Engineered Flat Size for S-1325A Chain Size (in)
						A	B	C	D	E	F	G	
1256865	2.4	-	6mm	7000	17632	0.51	2.36	4.72	0.51	4.72	2.36	0.26	6mm
1256868	3.5	6mm	6mm	9000	22701	0.67	3.54	6.30	0.51	4.72	2.36	0.26	6mm, 9/32
1256874	3.9	6mm	9/32	9200	23362	0.75	3.54	6.30	0.51	4.72	2.36	0.26	9/32, 5/16
1256878	7.3	5/16, 9/32	5/16	15400	38570	0.87	3.94	7.09	0.67	6.30	3.54	0.33	3/8
1256880	8.9	5/16, 9/32	5/16	15400	38570	0.87	5.71	10.83	0.67	6.30	3.54	0.33	3/8
1256876	8.4	5/16	3/8	18700	46725	0.87	3.94	7.09	0.75	6.30	3.54	0.33	3/8
1256882	10.1	5/16	3/8	19600	49149	0.98	4.53	8.27	0.75	6.30	3.54	0.33	3/8
1256892	11.4	5/16	3/8	19600	49149	0.98	5.71	10.83	0.75	6.30	3.54	0.33	3/8
1256917	15.6	3/8	1/2	31900	80005	1.10	5.71	10.83	0.87	7.09	3.94	0.41	1/2
1256926	21.2	3/8	1/2	37400	93670	1.26	5.71	10.83	0.98	8.27	4.53	0.53	5/8
1256929	28	1/2	5/8	52000	130036	1.42	6.10	11.22	1.10	7.48	4.33	0.53	5/8
1256930	40.6	5/8	5/8	61900	154941	1.57	5.51	10.63	1.26	10.83	5.71	0.66	-
1256953	58.6	5/8	3/4	84400	211143	1.77	7.09	13.39	1.42	11.22	6.10	-	-
1256958	78.2	3/4	7/8	99200	247950	2.01	8.46	15.35	1.57	10.63	5.51	-	-
1256973	134.6	7/8	1	147600	369170	2.17	7.99	15.98	2.01	15.35	8.46	-	-

5:1 Design Factor. Applications with wire rope and synthetic sling generally require a Design Factor of 5. Based on single leg sling (in-line load), or resultant load on multiple legs with an included angle less than or equal to 120 degrees. Proof Test Load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9. Chain slings require that the Design Factor be 4:1. Refer to applications & warnings to determine product's actual Ultimate Load. There are no manufactured flats on links over 1 1/4" (32mm).

Fatigue Rated™ Crosby 8/10™ CE QST

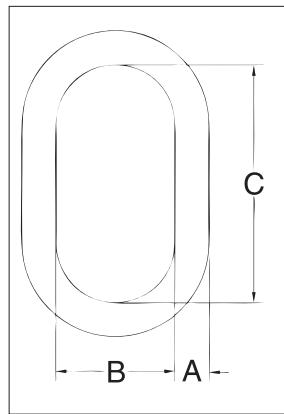
APPLICATION AND WARNING INFORMATION SECTION 17

A-342



Ratings below are for use with chain slings fabricated in accordance with ASME B30.9. For other applications, see Applications & Warnings.

- Alloy steel — Quenched & Tempered.
 - Individually Proof Tested to values shown, with certification.
 - Proof Tested with special fixtures sized to prevent localized point loading.
 - Forgings have a Product Identification Code (PIC) for material traceability, along with the size, the name Crosby and USA in raised lettering.
 - Selected sizes designated with "W" in the size column have enlarged inside dimensions to allow additional room for sling hardware and crane hook.
 - Crosby 7/8" to 2" A-342 master links are type approved to DNV-ST-E271-2.7-1 Offshore Containers. These Crosby master links are 100% proof tested, MPI and impact tested. The tests are conducted by Crosby and 3.1 test certification is available upon request. Refer to the Crosby COLD TUFF® master links that meet the additional requirements of DNV rules for certification of lifting appliances - Loose Gear.
 - Incorporates patented QUIC-CHECK® deformation indicators.
 - Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
 - Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements.
- Importantly, these links meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.



A-342 Alloy Master Links

Size			Stock No.	Weight Each (lb)	Working Load Limit (lb)	Proof Load (lb)	Grade 100 Chain Sling		Grade 80 Chain Sling		Dimensions (in)			
(in)	(mm)	OC					Single Leg Chain Size (in)	Double Leg Chain Size (in)	Single Leg Chain Size (in)	Double Leg Chain Size (in)	A	B	C	Deformation Indicator
1/2W	13W	No	1014266	1.3	7400	17,200	6mm, 9/32, 5/16	6mm	6mm, 9/32, 5/16, 3/8	6mm, 9/32	0.62	2.80	5.00	3.50
5/8	16	No	1014280	1.5	9000	18,000	5/16, 3/8	9/32	3/8	5/16	0.62	3.00	6.00	3.50
3/4W	19W	No	1014285	2.0	12300	28,400	5/16, 3/8	5/16	1/2	3/8	0.73	3.20	6.00	4.00
7/8W	22W	Yes	3522213	3.3	15200	†38,000	3/8, 1/2	3/8	1/2	3/8	0.88	3.75	6.38	4.50
1W	26W	Yes	3522214	6.1	26000	†65,000	1/2, 5/8	1/2	5/8	1/2	1.10	4.30	7.50	5.50
1-1/4W	32W	Yes	3522215	12.0	39100	†97,750	5/8, 3/4	5/8	3/4, 7/8	5/8	1.33	5.50	9.50	7.00
1-1/2W	38W	Yes	3522216	18.6	61100	†15,2750	7/8, 1	3/4	1	3/4, 7/8	1.61	5.90	10.50	6.50
1-3/4	44	Yes	3522217	25.2	84900	†21,2250	1	7/8	1-1/4	1	1.75	6.00	12.00	7.50
2	51	Yes	3522218	37.0	102600	†25,6500	1-1/4	7/8	1-1/4	1	2.00	7.00	14.00	9.00
2-1/4	57	No	1014422	54.1	143100	289,200	1-1/4	1	1-1/4	1-1/4	2.25	8.00	16.00	10.00
2-1/2	63	No	1014468	68.5	160000	320,000	1-1/4	1-1/4	-	-	2.50	8.38	16.00	11.00
2-3/4	70	No	1014440	94.0	216900	433,800	-	-	-	-	2.75	9.88	18.00	12.50
3	76	No	1014486	115	228000	456,000	-	-	-	-	3.00	9.88	18.00	13.00
3-1/4	83	No	1014501	145	262200	524,400	-	-	-	-	3.25	10.00	20.00	13.50
3-1/2	89	No	1014529	200	279000	558,000	-	-	-	-	3.50	12.00	24.00	15.50
3-3/4	95	No	1015051	198	336000	672,000	-	-	-	-	3.75	10.00	20.00	13.50
4	102	No	1015060	264	373000	746,000	-	-	-	-	4.00	12.00	24.00	16.00
†† 4-1/4	†† 108	No	1015067	302	354000	708,000	-	-	-	-	4.25	12.00	24.00	-
†† 4-1/2	†† 114	No	1015079	345	360000	720,000	-	-	-	-	4.50	14.00	28.00	-
†† 4-3/4	†† 121	No	1015088	436	389000	778,000	-	-	-	-	4.75	14.00	28.00	-
†† 5	†† 127	No	1015094	516	395000	790,000	-	-	-	-	5.00	15.00	30.00	-

5:1 Design Factor. Based on single leg sling (in-line load), or resultant load on multiple legs with an included angle less than or equal to 120 degrees. Applications with wire rope and synthetic sling generally require a design factor of 5. Proof Test Load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9. †Offshore Container Master Links Proof Tested to 2.5 times the Working Load Limit with 70 percent fixtures. ††Welded Master Link. Chain slings require that the Minimum Ultimate Load be 4 times the Working Load Limit. Refer to applications & warnings to determine products actual Ultimate Load. Proof Test Load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9-1.4 for the chain size and number of legs.

Fatigue Rated™

Crosby 8/10™

QUIC-CHECK®

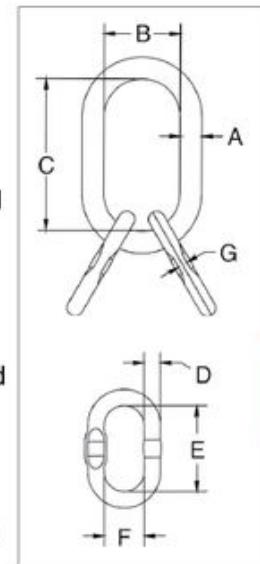
APPLICATION AND WARNING INFORMATION SECTION 17

A-345



- Alloy steel — Quenched & Tempered.
- Individually Proof Tested to values shown, with certification.
- Design Factor of 5 to 1.
- Proof Tested with 60% inside width special fixtures sized to prevent localized point loading per ASME A-952.
- Each main link is marked with Product Identification Code (PIC) for material traceability, Grade, CE, chain size and the "CG" (Crosby Group). Each sublink is marked with traceability code.
- 7/8" through 2" A-345 master links are type approved to DNV Certification Notes 2.7-1- Offshore Containers. These Crosby master links are 100% proof tested, MPI and impact tested. The tests are conducted by Crosby and 3.1 test certification is available upon request.
- Engineered Flat for use with S-1325A coupler link.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements.

Importantly, these links meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.



5

A-345 Master Link Assembly with Engineered Flat

Size				Weight Each (lb)	Working Load Limit (lb)	For Grade 100 Chain Size (in) (According to ASME/NACM)	For Grade 80 Chain Size (in) (According to ASME/NACM)	Proof Load (lb)	Dimensions (in)							Deformation Indicator	Engineered Flat for S-1325
(in)	(mm)	OC	Stock No.						A	B	C	D	E	F	G		
3/4W	19W	No	3685119	3.6	12,342	6mm, 9/32	6mm, 9/32, 5/16	†30,875	0.73	3.20	6.00	0.51	4.72	2.36	0.24	4.0	9/32 - 5/16
7/8W	22W	Yes	3014742	7.1	15,428	5/16	5/16	†38,594	0.88	3.75	6.38	0.66	6.69	3.15	0.33	4.5	9/32 - 5/16
1W	26W	Yes	3014766	12.7	26,007	3/8	3/8	†65,058	1.10	4.30	7.50	0.87	6.30	3.74	0.42	5.5	3/8
1-1/4W	32W	Yes	3014779	26.7	39,010	1/2	1/2	†97,588	1.33	5.50	9.50	1.10	9.45	5.12	-	7.0	-
1-1/2W	38W	Yes	3014807	40.3	61,050	5/8	5/8	†152,722	1.61	5.90	10.50	1.26	10.63	5.12	-	7.5	-
1-3/4W	44	Yes	3014814	51.9	84,854	5/8	3/4	†212,268	1.75	6.00	12.00	1.42	10.63	4.92	-	7.5	-
2	51	Yes	3014832	73.9	102,486	3/4	7/8	†256,376	2.00	7.00	14.00	1.57	10.63	5.51	-	9.0	-
2-1/2	64	No	3014855	137	160,010	7/8, 1	1	†400,277	2.50	8.38	16.00	1.97	12.13	7.48	-	11.0	-
2-3/4	70	No	3014864	186	216,873	1	1-1/4	†542,524	2.75	9.88	18.00	2.17	13.98	7.87	-	12.5	-
3-1/4	83	No	1014986	255	234,900	1-1/4	-	469,800	3.25	10.00	20.00	2.50	11.25	8.00	-	13.5	-
4	102	No	1014999	667	373,000	-	-	746,000	4.00	12.00	24.00	3.50	24.00	12.00	-	16	-

5:1 Design Factor. The maximum individual sublink working load limit is 75% of the assembly working load limit. Sublink for 3.25" and 4" is 61% of the assembly working load limit. Applications with wire rope and synthetic sling generally require a design factor of 5. Proof Test Load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9. Chain slings require that the Minimum Ultimate Load be 4 times the Working Load Limit. Refer to applications & warnings to determine products actual Ultimate Load. Proof Test Load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9-1.4 for the chain size and number of legs. †Proof Tested to 2.5 times the Working Load Limit with 70 percent fixtures.

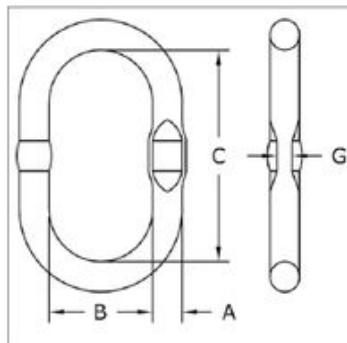
Fatigue Tested™ Crosby 8/10™ QUIC-CHECK® QT

APPLICATION AND WARNING INFORMATION SECTION 17

A-344



- Alloy steel — Quenched & Tempered.
- Individually Proof Tested to values shown, with certification.
- Design Factor of 5 to 1.
- Proof Tested with 70% inside width special fixtures sized to prevent localized point loading per EN1677.
- Each main link is marked with Product Identification Code (PIC) for material traceability, Grade, CE, chain size and the "CG" (Crosby Group).
- A-344 master links are type approved to DNV Certification Notes 2.7-1- Offshore Containers. These Crosby master links are 100% proof tested. Every batch is impact tested. The tests are conducted by Crosby and 3.1 test certification is available upon request.
- Engineered Flat for use with S-1325A coupler link.
- Fatigue rated to 20,000 cycles at 1.5 times the Working Load Limit.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these links meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- Available only in EMEA.



7/16' through 1-7/32' have Engineered Flat.

Grade 80 A-344 Welded Master Links available with Engineered Flat

Stock No.	Weight Each (lb)	Grade 100 Chain Sling		Grade 80 Chain Sling		WLL (lb)	Proof Load (lb)	Dimensions (in)				Engineered Flat Size for S-1325A (in)
		Single Leg Chain Size (in)	Double Leg Chain Size (in)	Single Leg Chain Size (in)	Double Leg Chain Size (in)			A	B	C	G	
1256988	0.8	6mm, 9/32	6mm	6mm, 9/32	6mm, 9/32, 5/16	7,000	17,632	0.51	2.36	4.72	0.26	6mm, 9/32, 5/16
1257002	1.9	5/16, 3/8	9/32	5/16, 3/8	5/16	9,000	22,701	0.67	3.54	6.30	0.33	3/8
1257072	2.3	3/8, 1/2	5/16	3/8, 1/2	3/8	14,700	37,027	0.75	3.54	6.30	0.33	3/8, 1/2
1257268	5.2	3/8, 1/2	3/8	3/8, 1/2	3/8	15,400	38,570	0.87	5.71	10.83	0.41	1/2
1257212	3.6	3/8, 1/2	3/8	5/8	3/8	19,400	48,488	0.87	3.94	7.09	0.41	1/2
1257332	6.7	1/2	-	1/2, 5/8	3/8	19,600	48,929	0.98	5.71	10.83	0.53	5/8
1257282	5.3	5/8, 1/2	3/8	5/8	1/2	25,300	63,475	0.98	4.53	8.27	0.53	5/8
1257382	8.5	5/8, 1/2	1/2	5/8	1/2	28,600	71,630	1.10	5.71	10.83	0.53	5/8
1257422	10.6	5/8, 3/4	1/2	3/4	5/8	37,400	93,670	1.26	5.71	10.83	0.66	-
1257492	15.2	3/4	5/8	3/4, 7/8	3/4	52,900	132,240	1.42	6.10	11.22	-	-
1257502	16.1	7/8	3/4	7/8	7/8	69,400	173,675	1.57	5.51	10.63	-	-
1257562	28.4	1	7/8	1	1	84,400	210,923	1.77	7.09	13.39	-	-
1257632	42.1	1, 1-1/4	7/8	1	1	99,200	247,950	2.01	8.46	15.35	-	-
1257573	55.3	1-1/4	1	1-1/4	1-1/4	147,600	369,170	2.17	7.99	15.98	-	-
1257591	94.36	-	-	-	-	198,416	496,153	2.75	9.84	17.72	-	-
1257600	125.66	-	-	-	-	275,577	689,264	3.14	10.24	17.72	-	-

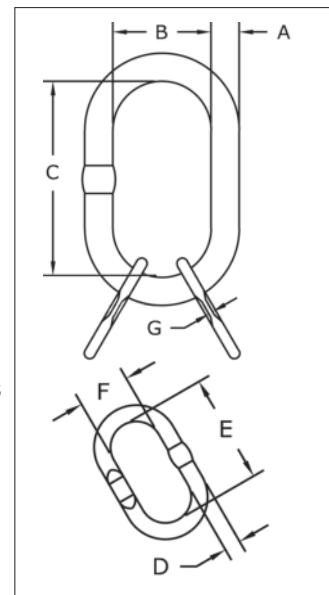
5:1 Design Factor. Applications with wire rope and synthetic sling generally require a Design Factor of 5. Based on single leg sling (in-line load), or resultant load on multiple legs with an included angle less than or equal to 120 degrees. Proof Test Load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9. Chain slings require that the Design Factor be 4:1. Refer to applications & warnings to determine product's actual Ultimate Load. There are no manufactured flats on links over 1 1/4" (32mm). Two largest sizes are available globally.

Fatigue Rated QT
APPLICATION AND WARNING INFORMATION
SECTION 17

A-347



- Alloy steel — Quenched & Tempered.
- Individually Proof Tested to values shown, with certification.
- Design Factor of 5 to 1.
- Proof Tested with 70% inside width special fixtures sized to prevent localized point loading per EN1677.
- Each main link is marked with Product Identification Code (PIC) for material traceability, Grade, CE, chain size and the "CG" (Crosby Group). Each sublink is marked with traceability code.
- A-347 master links are type approved to DNV Certification Notes 2.7-1- Offshore Containers. These Crosby master links are 100% proof tested. Every batch is impact tested. The tests are conducted by Crosby and 3.1 test certification is available upon request.
- Engineered Flat for use with S-1325A coupler link.
- Fatigue rated to 20,000 cycles at 1.5 times the Working Load Limit.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these links meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- Available only in EMEA.



5

Grade 80 A-347 Welded Master Link Assembly with Engineered Flat

Stock No.	Weight Each (lb)	Grade 100 Chain Sling Three / Four Legs Chain Size (in)	Grade 80 Chain Sling Three / Four Legs Chain Size (in)	WLL (lb)	Proof Load (lb)	Dimensions (in)							Engineered Flat Size for S1325A Chain Size (in)
						A	B	C	D	E	F	G	
1257755	2.4	-	6mm	7,000	17,632	0.51	2.36	4.72	0.51	4.72	2.36	0.26	6mm
1257762	3.5	6mm	6mm, 9/32	9,000	22,701	0.67	3.54	6.30	0.51	4.72	2.36	0.26	6mm
1257832	3.9	6mm	9/32	9,200	23,362	0.75	3.54	6.30	0.51	4.72	2.36	0.26	9/32
1258058	7.3	5/16, 9/32	5/16	15,400	38,570	0.87	3.94	7.09	0.67	6.30	3.54	0.33	3/8
1258067	8.9	5/16, 9/32	5/16	15,400	38,570	0.87	5.71	10.83	0.67	6.30	3.54	0.33	3/8
1258049	8.4	5/16	3/8	18,700	46,725	0.87	3.94	7.09	0.75	6.30	3.54	0.33	3/8
1258076	10.1	5/16	3/8	19,600	49,149	0.98	4.53	8.27	0.75	6.30	3.54	0.33	3/8
1258102	11.4	5/16	3/8	19,600	49,149	0.98	5.71	10.83	0.75	6.30	3.54	0.33	3/8
1258142	15.6	3/8	1/2	31,900	80,005	1.10	5.71	10.83	0.87	7.09	3.94	0.41	1/2
1258182	21.2	3/8	1/2	37,400	93,670	1.26	5.71	10.83	0.98	8.27	4.53	0.53	5/8
1258185	28	1/2	5/8	52,000	130,036	1.42	6.10	11.22	1.10	7.48	4.33	0.53	5/8
1258187	40.6	5/8	5/8	61,900	154,941	1.57	5.51	10.63	1.26	10.83	5.71	0.66	-
1258402	58.6	5/8	3/4	84,400	211,143	1.77	7.09	13.39	1.42	11.22	6.10	-	-
1258471	78.2	3/4	7/8	99,200	247,950	2.01	8.46	15.35	1.57	10.63	5.51	-	-
1258491	134.6	7/8	1	147,600	369,170	2.17	7.99	15.98	2.01	15.35	8.46	-	-

5:1 Design Factor. Applications with wire rope and synthetic sling generally require a Design Factor of 5. Based on single leg sling (in-line load), or resultant load on multiple legs with an included angle less than or equal to 120 degrees. Proof Test Load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9. Chain slings require that the Design Factor be 4:1. Refer to applications & warnings to determine product's actual Ultimate Load. There are no manufactured flats on links over 1 1/4" (32mm).

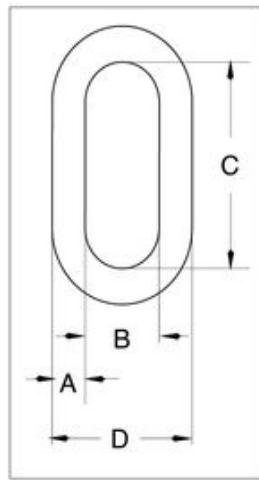
Fatigue Rated™



APPLICATION AND WARNING INFORMATION SECTION 17

G-340 / S-340

- Forged carbon steel - Quenched & Tempered
- Self colored (S) or hot-dip galvanized (G).

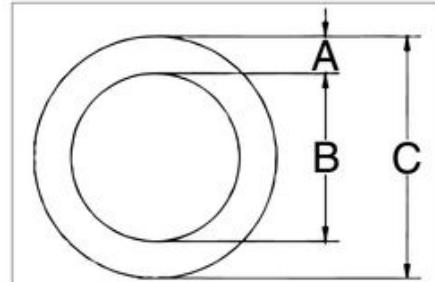
**G-340/S-340 Weldless End Links**

Size (A) (in)	Stock No.		Working Load Limit (lb)	Weight Each (lb)	Dimensions (in)			
	G-340 Galv.	S-340 S.C.			A	B	C	D
5/16	1014057	1014066	2500	.15	.31	.50	1.75	1.18
3/8	1014075	1014084	3800	.22	.38	.56	1.88	1.38
1/2	1014093	1014100	6500	.49	.50	.75	2.38	1.81
5/8	1014119	1014128	9300	.97	.63	1.00	3.25	2.32
3/4	1014137	1014146	14000	1.51	.75	1.13	3.50	2.68
7/8	1014155	1014164	12000	2.59	.88	2.00	5.13	3.75
1	1014173	1014182	15200	3.95	1	2.25	5.75	4.25
1-1/4	1014191	1014208	26400	7.30	1.25	2.50	7.00	5.00
1-3/8	1014217	1014226	30000	10.38	1.38	2.75	7.75	5.50

5:1 Design Factor. Based on single leg sling (in-line load), or resultant load on multiple legs with an included angle less than or equal to 120°.

**S-643**

- Forged carbon steel - Quenched & Tempered.

**S-643 Weldless Rings**

Size (in)	Stock No	Working Load Limit Single Pull (lb)	Weight Each (lb)	Dimensions (in)		
				A	B	C
7/8 x 4	1013780	7200	2.72	.88	4.00	5.75
7/8 x 5-1/2	1013806	5600	3.47	.88	5.50	7.25
1 x 4	1013824	10800	3.69	1.00	4.00	6.00
1-1/8 x 6	1013842	10400	6.60	1.13	6.00	8.25
1-1/4 x 5	1013860	17000	6.82	1.25	5.00	7.50
1-3/8 x 6	1013888	19000	10.12	1.38	6.00	8.75

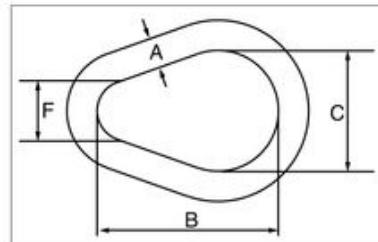
6:1 Design Factor.



A-341



- Alloy steel — Quenched & Tempered.
- Individually Proof Tested at 2 times Working Load Limit with certification.
- Sizes up to 2" are forged.



A-341 Alloy Pear Shaped Links

Size (A) (in)	Stock No	Working Load Limit		Weight Each (lb)	Dimensions (in)		
		(lb)	(t)		B	C	F
1/2	1013575	7000	3.15	.55	3.00	2.00	1.00
5/8	1013584	9000	4.09	1.10	3.75	2.50	1.25
3/4	1013595	12300	5.59	1.76	4.50	3.00	1.50
7/8	1013604	15000	6.81	2.82	5.25	3.50	1.75
1	1013613	24360	11.0	4.22	6.00	4.00	2.00
1 1/8	1013622	30600	13.9	6.25	6.50	4.50	2.25
1 1/4	1013631	36000	16.4	8.25	7.75	5.00	2.50
1 3/8	1013640	43000	19.5	11.25	8.25	5.50	2.75
1 1/2	1013654	54300	24.7	14.25	9.00	6.00	3.00
1 3/4	1013672	84900	38.6	22.50	10.50	7.00	3.50
2	1013690	102600	46.6	34.00	12.00	8.00	4.00
†† 2 1/2	1013703	147300	66.9	66.00	15.00	10.00	5.00
†† 2 3/4	1013712	216900	98.6	88.00	16.50	11.00	5.50
†† 3	1013721	228000	103	114.00	18.00	12.00	6.00
†† 4	1013748	373000	169	271.00	24.00	16.00	8.00

5:1 Design Factor. Based on single leg sling (in-line load), or resultant load on multiple legs with an included angle less than or equal to 120°. †† Welded Link.



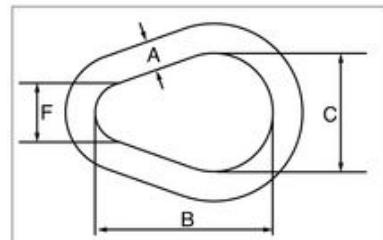
QUIC-CHECK®

5

G-341 / S-341



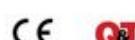
- Forged carbon steel - Quenched & Tempered.
- Self colored (S) or hot-dip galvanized (G).



G-341 / S-341 Weldless Sling Links

Size (A) (in)	Stock No.		Working Load Limit Single Pull (lb)	Weight Each (lb)	Dimensions (in)		
	G-341 Galv.	S-341 S.C.			B	C	F
3/8	1013897	1013904	1800	.23	2.25	1.50	.75
1/2	1013913	1013922	2900	.55	3.00	2.00	1.00
5/8	1013931	1013940	4200	1.06	3.75	2.50	1.25
3/4	1013959	1013968	6000	1.88	4.50	3.00	1.50
7/8	1013977	1013986	8300	2.75	5.25	3.50	1.75
1	1013995	1014002	10800	4.35	6.00	4.00	2.00
1 1/4	1014011	1014020	16750	7.60	7.75	5.00	2.50
1 3/8	1014039	1014048	20500	11.30	8.25	5.50	2.75

6:1 Design Factor. Based on single leg sling (in-line load), or resultant load on multiple legs with an included angle less than or equal to 120°.



QUIC-CHECK®

Identification of our Master Links

To provide good readability and traceability our master links have the following marking:

Product type

- M - represents single type master link.
- MT - represents master link assembly.
- OS - is an abbreviation for offshore. All Arctic offshore master links are marked with OS and complies with DNV 2.7-1.

Size designation

- The size is linked to the WLL as well as to compatible products, like attachment couplers and other components.
- Trade size.
- The size expressed in inch.

Approved by BG/DGUV

- H32 – represents Gunnebo Industries' manufacturing ID. The ID also represents a 3rd part audit by BG in Germany.

Traceability code

- The traceability code is unique for the production batch and normally consists of a letter and a number; for example A2. The traceability code makes it possible to trace and track the product through the whole production process back to the raw material used for the actual product.

Gunnebo Sweden

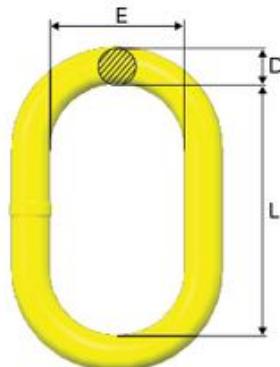
- To clearly highlight the Gunnebo Industries brand, our master links are marked with Gunnebo, Sweden.

Meets the standards

- The markings fulfills the requirements of EN 1677-4, ASTM A952, AS 3775.2 and DNV 2.7-1.



Master Link M



Stock No.	Code	WLL (lb) 5:1		L	E	D	Weight (lb)
		EN 1677-4	A-952/A952M AS 3775.2-2014				
Z101271	M-6-10	3,306	3,306	3.94	2.36	3/8"	0.44
Z100818	M-86-10	7100	5510	4.72	2.36	1/2"	0.88
Z101273	M-108-10	11,460	8,800	5.51	3.15	5/8"	1.76
Z101274	M-13-10	15,000	15,000	5.91	3.54	3/4"	2.20
Z101267	M-1310-10	17,632	16,530	6.30	3.74	7/8"	3.31
Z101268	M-1613-10	29,974	22,040	7.48	4.33	11/8"	6.17
Z101247	M-19-10	35,300	26,448	7.87	4.72	13/16"	7.72
Z101269	M-2016-10	45,402	37,468	9.45	5.51	13/8"	11.46
Z101270	M-2220-10	68,103	55,100	9.84	5.91	19/16"	16.09
Z101275	M-2622-10	70,528	61,712	9.84	5.91	15/8"	19.18
Z101284	M-32-10	85,074	72,732	11.81	7.09	13/4"	25.79
Z101276	M-3226-10	102,706	94,772	11.81	7.87	2"	32.63
Z101277	M-3632-10	143,260	123,424	13.78	7.87	21/8"	45.64
Z101278	M-4536-10	160,231	154,280	14.76	8.27	23/8"	58.20
Z101279	M-90T-10	220,400	198,360	17.72	9.84	23/4"	94.36
Z101280	M-125T-10**	275,500	275,500	17.72	10.24	31/8"	125.66

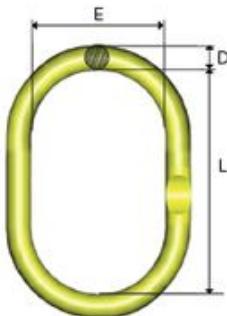
** Dimension L and E not acc. to EN 1677-4.

Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M, AS 3775:2014 and AS 3776:2015.

5:1 Design Factor

Master Link MF with engineered flat

For 1-, 2-, 3- and 4-leg slings. Designed for use with CL, CLD, CG and CGD. 3- and 4-leg chain slings require CLD / CGD.



Stock No.	Code	WLL (lb) 5:1		For chain size			L	E	D	Weight (lb)
		EN 1677-4	A-952/A952M AS 3775.2-2014	1 leg	2 leg	3-4leg				
B14487	MF-6-10	3,306	3,306	(6mm)			3.94	2.36	3/8"	0.44
B14489	MF-8-10	7100	5510	5/16"	(6mm)	-	4.72	2.36	1/2"	0.88
B14482	MF-108-10	11,460	8,800	3/8"	5/16"	(6mm)	5.51	3.15	5/8"	1.76
B14483	MF-1310-10	17,632	16,530	1/2"	3/8"	5/16"	6.30	3.74	7/8"	3.31
B14484	MF-1613-10	29,974	22,040	5/8"	1/2"	3/8"	7.48	4.33	11/8"	6.17
B14485	MF-2016-10	45,402	37,468	3/4"	5/8"	1/2"	9.45	5.51	13/8"	11.46
B14486	MF-2220-10	68,103	55,100	7/8"	3/4"	5/8"	9.84	5.91	19/16"	16.09

Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M, AS 3775:2014 and AS 3776:2015.

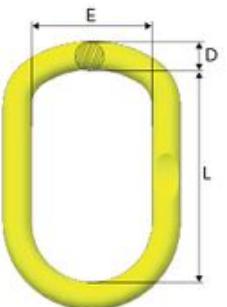
5:1 Design Factor

5

Master Link MFH with engineered flat

Designed for crane hooks, DIN 15401 and 15402. Designed for use with CL, CLD, CG and CGD.

3- and 4-leg chain slings require CLD / CGD.



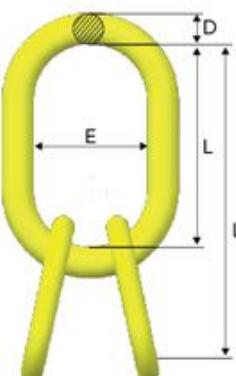
Stock No.	Code	WLL (lb) 5:1		Forchaisize			L	E	D	DIN15401	DIN15402	Weight (lb)
		EN 1677-4	A-952/A952M AS 3775.2-2014	1leg	2leg	3-4leg						
Z101262	MFH-1310-10	16530	17632	1/2"	3/8"	5/16"	9.06	4.92	7/8"	≤12mm	≤16mm	4.19
Z101263	MFH-1613-10	22040	29974	5/8"	1/2"	3/8"	9.84	5.31	11/8"	≤12mm	≤16mm	7.05
Z101264	MFH-2016-10	37468	45402	3/4"	5/8"	1/2"	11.02	5.31	11/4"	≤16mm	≤20mm	10.14
Z101265	MFH-2220-10	61712	68104	7/8"	3/4"	5/8"	12.60	6.89	19/16"	≤25mm	≤32mm	18.96
Z101266	MFHW-2220-10	61712	61712	7/8"	3/4"	5/8"	13.98	8.86	19/16"	≤50mm	≤63mm	21.83

Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M-02, AS 3775:2014 and AS 3776:2015.

5:1 Design Factor

Master Link with Sublinks MT

Designed for use with chain or wire rope. For 3- and 4-leg slings

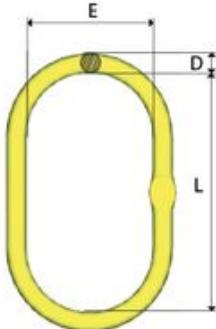


Stock No.	Code	WLL (lb) 5:1		L1	L	E	D	I	e	d	Weight (lb)
		EN 1677-4	A-952/A952M AS 3775.2-2014								
Z100091	MT-6-10	7714	11020	11.2	6.3	3.54	3/4"	4.72	2.36	1/2"	3.96
Z100903	MT-8-10	11461	17632	11.8	6.3	3.74	7/8"	5.51	3.15	5/8"	6.61
Z101359	MT-9-10	15208	21378	13.3	7.48	4.33	1-1/8"	6.30	3.54	3/4"	10.8
Z100904	MT-10-10	25346	35300	14.1	7.87	4.72	1-3/16"	6.30	3.74	7/8"	14.1
Z100905	MT-13-10	37468	57304	17.3	9.84	5.91	1-9/16"	7.48	4.33	1-1/8"	31.3
Z100906	MT-16-10	61712	77140	19.6	11.81	7.87	2"	7.87	4.72	1-1/4"	50.7
Z101074	MT-20-10	77140	110200	21.6	11.81	7.87	2-1/8"	9.84	5.91	1-9/16"	69.4
Z101281	MT-22-10	116812	165300	24.0	13.78	7.87	2-3/8"	10.24	5.51	1-3/4"	101
Z101282	MT-26-10	154280	220400	28.7	17.72	9.84	2-3/4"	11.02	6.3	2	156
Z101283	MT-32-10	198360	275500	28.7	17.72	10.2	3-1/8"	11.02	6.3	2-1/8"	200

Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M, AS 3775:2014 and AS 3776:2015.

Engineered flat on the sublinks for sizes up to MT-16-10 except MT-9-10.

5:1 Design Factor



Master Link MFX with engineered flat

Oversized, for 1- and 2-leg slings. Designed for use with CL, CLD, CG and CGD.

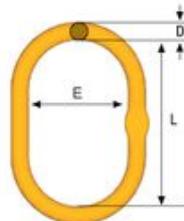
Stock No.	Code	WLL (lb) 5:1		For chain 1-leg	For chain 2-leg	L	E	D	Weight (lb)
		EN 1677-4	A-952/A952M AS 3775.2-2014						
Z100550	MFX-108-10	9367	11461	5/16", 3/8"	5/16"	13.39	7.09	1"	8.16
Z100551	MFX-1310-10	16530	17632	1/2"	3/8"	13.39	7.09	11/8"	10.36
Z100552	MFX-1613-10	24685	29974	5/8"	1/2"	13.39	7.09	13/8"	15.65
Z101125	MFX-2016-10	35300	45402	3/4"	5/8"	13.39	7.09	19/16"	21.16

Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M-02, AS 3775:2014 and AS 3776:2015.

5:1 Design Factor

Master Link MF with engineered flat

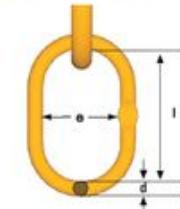
Classic yellow paint.



5:1 Design Factor. Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.

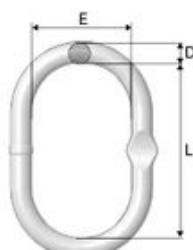
Master Link with Sub Links MT

Engineered flat on the sublinks. Classic yellow paint.



5:1 Design Factor. Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M.

Master Link MF HDG with engineered flat

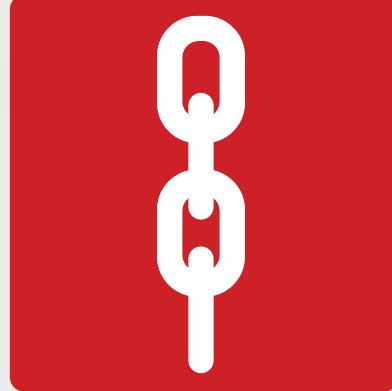
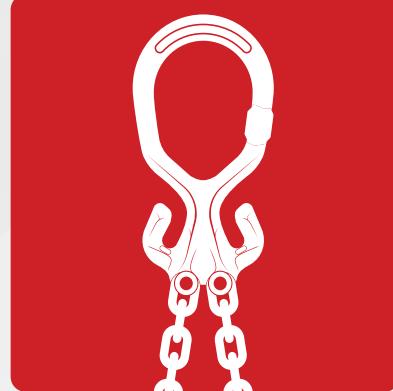


5:1 Design Factor.

Stock No.	Code	WLL (lb)		L	E	D	Weight (lb)
		EN1677-4	A-952/A952M				
BG14481	MF-86-8 HDG	4500	5510	4.72	2.36	0.51	1.10
BG14482	MF-108-8 HDG	7100	8800	5.51	3.15	0.67	1.76
BG14483	MF-1310-8 HDG	12000	15000	6.30	3.74	0.87	3.31
BG14484	MF-1613-8 HDG	18000	22600	7.48	4.33	1.1	6.17

CHAIN & ACCESSORIES

Innovative solutions for quicker, safer and easier lifting operations.



theCrosby group®

thecrosbygroup.com

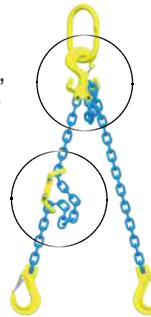
GrabiQ: Components with multiple functions

Innovative designs that combine several clever functions in one component



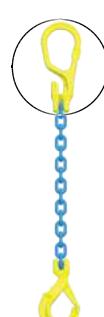
Midgrab, MIG

Instant mounting, positioning, shortening on any part of the chain.



C-grab Duo, CGD

Built in shortening function.



Master Grab, MG

- All-in-one compact top link.
- Every chain leg can instantly be altered.
- Using the built in shortening function, you can alter between a straight lift to a looped sling in a matter of seconds.

Fewer components & lighter assembly

GrabiQ™

4-leg sling with shortening function



- (1) Master link
(2) C-grab Duos

Total: 3 components
with GrabiQ system



- (1) Master link
(2) Sub links
(8) Berglok chain couplers
(4) Grab hooks

Total: 15 components
with traditional system

GrabiQ™

2-leg sling with shortening function



- (1) Master Grab Duo

Total: 1 component
with GrabiQ



- (1) Master link
(4) Berglok chain couplers
(2) Grab hooks

Total: 7 components
with traditional system

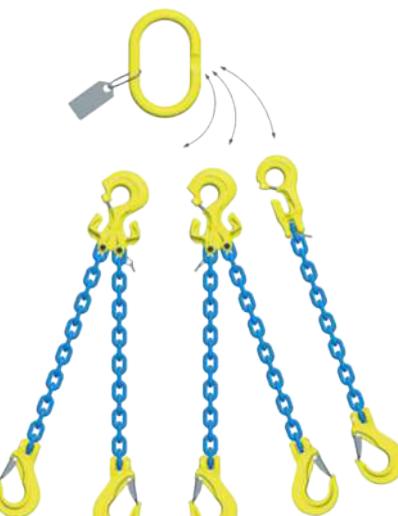
Less is more with FlexiLeg

Thanks to the unique features of our GrabiQ product range, we offer solutions that increase the flexibility in lifting operations even further. Our FlexiLeg solution allows you to have an instant leg change on site.

With one single master link in combination with five Flexi-legs, we offer a solution that replaces four complete traditional slings, a total of ten legs. In addition, FlexiLeg also gives you the opportunity to modify the chain sling to different lifting operations, whenever and wherever it is needed.

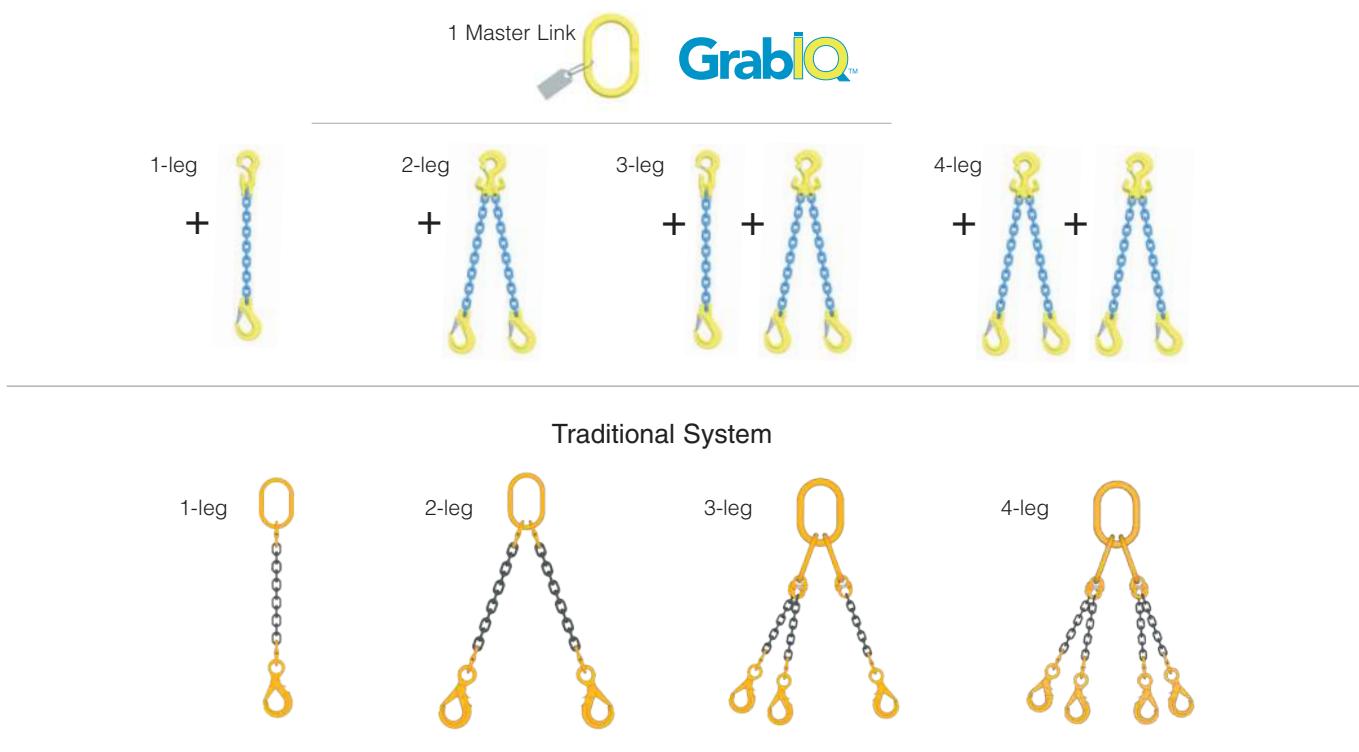
The benefits of instant leg-change

- Enables the user to change slings, leg by leg.
- Makes the sling lighter and easier to work with.
- Sling legs that are not being used can easily be removed, thereby increasing safety at the work site.
- The quantity of sling material is greatly reduced, providing cost savings.
- The chain sling can be reconfigured on site, thus increasing efficiency.



GrabiQ FlexiLeg – a total of 5 legs replaces the total of 10 legs with the old traditional system.

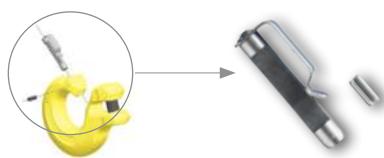
6



Related Products

QuickPin – For safe exchange of sling legs

- Fits all C-components (CL, CLD, CG, CGD)
- Instant close/open function, no tools needed
- Easy to retrofit
- Made of stainless steel for long product life span



FlexiTag – For every GrabiQ sling

- Specially designed for FlexiLeg
- Fits all other GrabiQ slings
- WLL and chain size pre-stamped for 1 – 4 legs
- Leg angle 30/45 degree shown in contour
- Made of stainless steel for use in all weather conditions



GrabiQ – solutions for every need

1-leg chain slings

MG1-GBK

Consist of: Master Link MG, Chain KLA, Safety Hook GBK



Chain Size		WLL (lb)	Total Components Length (in)
(mm)	(in)		
6	-	3300	6.73
8	5/16"	5700	11.65
10	3/8"	8800	14.21
13	1/2"	15000	17.83
16	5/8"	22600	20.75

4:1 Design Factor

MG1-EGKN

Type: Master Link MG, Chain KLA, Hook with Latch EGKN



Chain Size		WLL (lb)	Total Components Length (in)
(mm)	(in)		
6	-	3300	9.09
8	5/16"	5700	10.28
10	3/8"	8800	13.03
13	1/2"	15000	16.06
16	5/8"	22600	18.94

4:1 Design Factor

TG1-GBK

Master Link MF, C-grab CG, Chain KLA, Safety Hook GBK



Chain Size		WLL (lb)	Total Components Length (in)
(mm)	(in)		
6	-	3300	7.87
8	5/16"	5700	13.62
10	3/8"	8800	16.69
13	1/2"	15000	19.84
16	5/8"	22600	24.45

4:1 Design Factor

2-leg chain slings

TG1-EGKN

Consists of: Master Link MF, C-grab CG, Chain KLA, Hook with Latch EGKN



4:1 Design Factor

MGD2-EGKN

Consists of: Master Link MGD, Chain KLA, Latch Hook EGKN



4:1 Design Factor

TG2-GBK

Consists of: Master Link MF, C-grab Duo CGD, Chain KLA, Safety Hook GBK



4:1 Design Factor



4:1 Design Factor

TG2-EGKN

Consists of: Master Link MF, C-grab Duo CGD, Chain KLA, Latch Hook EGKN



4:1 Design Factor

MGD2-CL

Consists of: Master Link MGD, Chain KLA, C-lok CL



4:1 Design Factor

Chain Size		WLL (lb)			Total Components Length (in)
(mm)	(in)	β 60°	β 45°	β 30°	
6	-	5500	4625	3300	9.25
8	5/16"	9900	8100	5700	11.65
10	3/8"	15200	12400	8800	14.21
13	1/2"	26000	21200	15000	17.83
16	5/8"	39100	32000	22600	20.75

Chain Size		WLL (lb)			Total Components Length (in)
(mm)	(in)	β 60°	β 45°	β 30°	
6	-	5500	4625	3300	7.36
8	5/16"	9900	8100	5700	9.06
10	3/8"	15200	12400	8800	11.22
13	1/2"	26000	21200	15000	14.13
16	5/8"	39100	32000	22600	16.89

3-leg chain sling

TG3-GBK

Consists of: Master Link MF, C-grab CG, C-grab Duo CGD, Chain KLA, Safety Hook GBK



4:1 Design Factor

4-leg chain sling

TG4-GBK

Consists of: Master Link MF, C-grab Duo CGD, Chain KLA, Safety Hook GBK



4:1 Design Factor


TG3-EGKN

Consists of: Master link MF, C-grab CG, C-grab Duo CGD, Chain KLA, Latch Hook EGKN

Chain Size		WLL (lb)			Total Component Length (in)
(mm)	(in)	$\beta 60^\circ$	$\beta 45^\circ$	$\beta 30^\circ$	
6	-	8400	6800	4850	12.24
8	5/16"	14800	12100	8500	15.43
10	3/8"	22900	18700	13200	18.66
13	1/2"	39000	31800	22500	23.78
16	5/8"	58700	47900	33900	26.77

4:1 Design Factor


TG4-EGKN

Consists of: Master link MF, C-grab Duo CGD, Chain KLA, Latch Hook EGKN

Chain Size		WLL (lb)			Total Component Length (in)
(mm)	(in)	$\beta 60^\circ$	$\beta 45^\circ$	$\beta 30^\circ$	
6	-	8400	6800	4850	12.05
8	5/16"	14800	12100	8500	14.06
10	3/8"	22900	18700	13200	17.48
13	1/2"	39000	31800	22500	22.01
16	5/8"	58700	47900	33900	24.96

4:1 Design Factor

Grade 10 chain slings

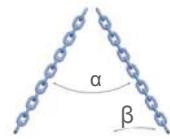
Working Load Limits in tonnes for chain slings grade 10

Based on EN 818-4:2008 WLL +25%

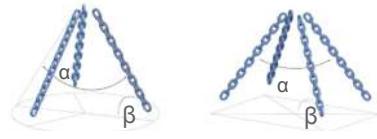
1-leg



2-leg



3- and 4-leg



Chain Size (mm)	Chain Size (in)	WLL (lb)	$\beta 60^\circ$	$\beta 45^\circ$	$\beta 30^\circ$	$\beta 60^\circ$	$\beta 45^\circ$	$\beta 30^\circ$
			$\alpha 60^\circ$	$\alpha 90^\circ$	$\alpha 120^\circ$	$\alpha 60^\circ$	$\alpha 90^\circ$	$\alpha 120^\circ$
6	-	3300	5500	4625	3300	8400	6800	4850
7	9/32"	4300	7400	6100	4300	11200	9100	6400
8	5/16"	5700	9900	8100	5700	14800	12100	8500
10	3/8"	8800	15200	12400	8800	22900	18700	13200
13	1/2"	15000	26000	21200	15000	39000	31800	22500
16	5/8"	22600	39100	32000	22600	58700	47900	33900
20	3/4"	35300	61100	49900	35300	91700	74900	52950
22	7/8"	42700	74000	60400	42700	110900	90600	64000
26	1"	59700	103100	84100	59500	155600	126600	89250
32	1-1/4"	88160	152700	124600	88160	229000	186950	132200

4:1 Design Factor. Working Load Limits are based on equally loaded and disposed sling legs.

APPLICATION AND WARNING INFORMATION
SECTION 17

Chain Tensioner GT – for lifting

One of the main benefits of using chain slings instead of other types of slings is the ability to shorten the chain to balance the load in asymmetrical lifts.

Gunnebo Industries offers a wide range of fittings for shortening, but most of these options only shorten in increments of one chain link. Certain applications require more precision when shortening, and for those the GT chain tensioner, approved for lifting purposes, is an excellent choice.

The Chain Tensioner GT is integral in one set. It is made of high-strength Grade 10 material, and the ratchet handle contributes to fast and ergonomic shortening. Our chain tensioner is designed to be compatible with the GrabiQ product range, enabling a wide range of fittings to be used for any type of application.

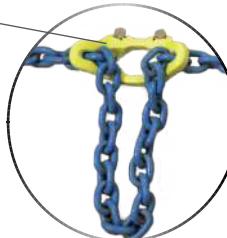


Precise positioning

The GT tensioner offers stepless adjustment, allowing for precise positioning of the load.



Midgrab Shortener
MIG



Precision shortening

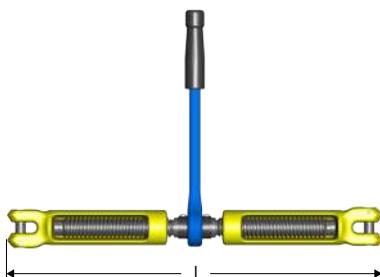
The GT tensioner offers 7.8 in of precision shortening. For shortening of longer increments, our unique Midgrab Shortener MIG is the ideal choice.

Full capacity

As with all Gunnebo Industries' shorteners, there is no reduction in the capacity of the system when shortening.

100% proof loaded

Every unit is individually proof loaded to 2.5 x WLL.



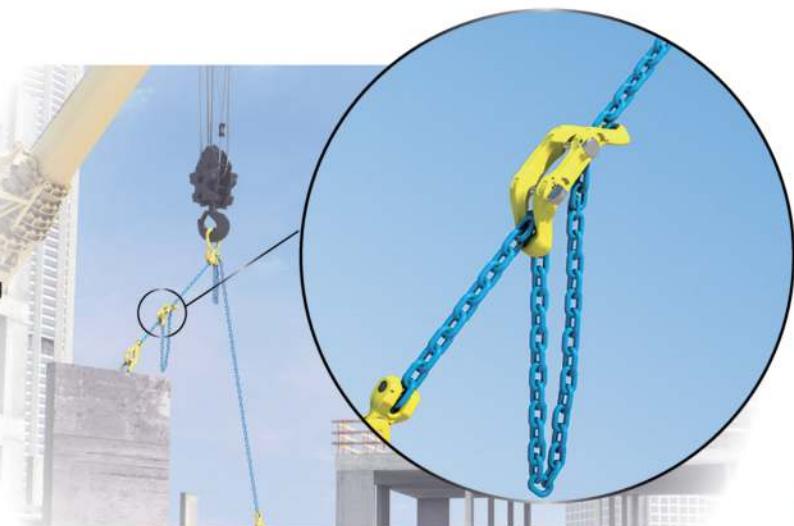
Chain Tensioner GT

Stock No.	Model	WLL (lb)*	L = Min. Length	L = Max. Length	Weight (lb)
Z101367	GT-8-10	5700	15.75	23.62	7.275
Z101368	GT-10-10	8800	15.75	23.62	7.275

4:1 Design Factor

Midgrab Chain Shortener, MIG

- Instant mounting and positioning on any part of the chain.
- Shortening in either chain direction; up-down.
- Designed to prevent inadvertent chain disengagement.
- Can be set idle on the chain leg when shortening is not required.
- LC version offers secure mounting with locking set on any desired part of the chain with one chain direction open for shortening.
- CC version offers close-open function in both chain directions for safe retention of the chain.


6

Locking devices for Midgrab MIG

Note: The MIG should be used with at least one locking devices.

L - fixed locking set

For fixed mounting

Code:

L-8: B14905

L-10: B14915

L-13: B14917



C - close/open locking set

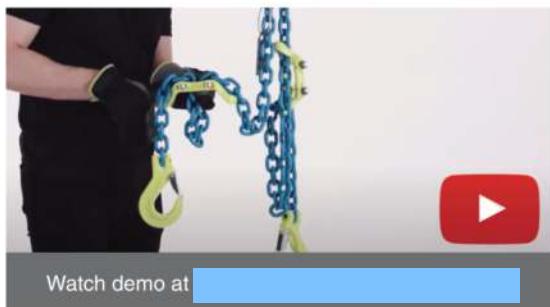
Spring operated locking device. Can be placed either in open or closed position.

Code:

C-8: B14904

C-10: B14914

C-13: B14916



Watch demo at [\[link\]](#)

Product code guide – locking options



MIG C



MIG CC



MIG L



MIG LC

MIG with C pins

For use with Grade 100 or Grade 80 chain.

Stock No.	Code	WLL (lb)	L	X	Y	Weight (lb)
B14303	MIG CC-8-10	5700	3.74	1.97	2.36	1.54
B14313	MIG CC-10-10	8800	4.92	2.76	3.03	2.42
B14323	MIG CC-13-10	15000	5.91	3.54	3.15	5.73

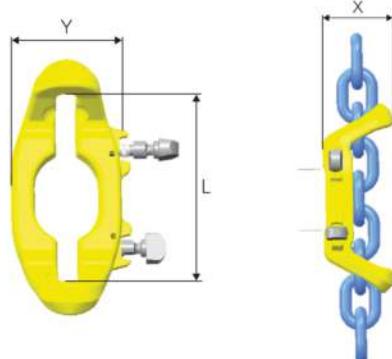
4:1 Design Factor

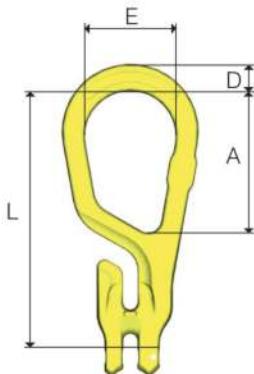
MIG without pins

For use with Grade 100 or Grade 80 chain.

Stock No.	Code	WLL (lb)	L	X	Y	Weight (lb)
B14300	MIG-8-10	5700	3.74	1.97	2.36	1.32
B14310	MIG-10-10	8800	4.92	2.76	3.03	2.20
B14320	MIG-13-10	15000	5.91	3.54	3.15	5.51

4:1 Design Factor



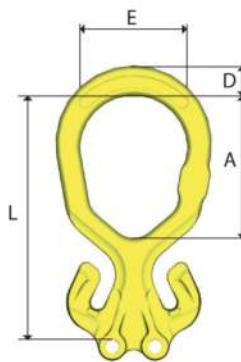


Master Grab MG

For use with Grade 100 or Grade 80 chain. "All-in-one" compact top link.

Stock No.	Code	WLL (lb)	L	A	E	D	Weight (lb)
B14710	MG-6-10	3306	5.71	3.46	2.36	0.59	1.10
B14711	MG-8-10	5700	6.73	3.62	2.36	0.71	1.98
B14712	MG-10-10	8800	8.31	4.45	2.95	0.87	3.97
B14713	MG-13-10	15000	10.28	5.43	3.54	1.02	7.72
B14714	MG-16-10	22600	12.24	6.18	4.13	1.22	13.45

4:1 Design Factor. Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.



Master Grab Duo MGD

For use with Grade 100 or Grade 80 chain. "All-in-one" compact top link for 2-leg slings.

Stock No.	Code	WLL (lb)	L	A	E	D	Weight (lb)
B14700	MGD-6-10	4700	5.7	3.5	2.4	0.67	1.5
B14701U	MGD-8-10	9900	6.7	3.9	3.0	0.83	2.9
B14702U	MGD-10-10	15200	8.3	4.9	3.5	0.94	5.1
B14703U	MGD-13-10	26000	10.3	5.9	4.1	1.2	11.5
B14704U	MGD-16-10	39100	12.2	6.9	4.7	1.4	17.4

4:1 Design Factor. Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.

Note: The maximum in service temperature is 392°F.

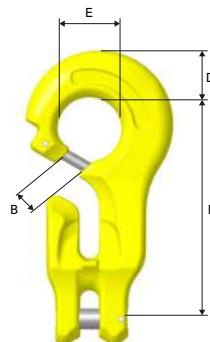
MASTER GRAB DUO

With the all-in-one compact top link Master Grab Duo (MGD), every chain leg can instantly be altered between a straight lift to a looped sling in a matter of seconds. The innovative design with few components and built-in shortening function makes the MGD the perfect foundation for a cost-efficient and safe chain sling solution.

The MGD solution makes it possible to reduce weight by approximately 50%.

With fewer components, lifting operations also becomes much more efficient, saving time and money.

Watch the Master Grab Duo video at [\[Video Link\]](#)

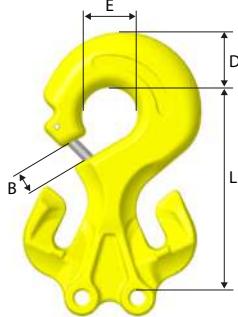


C-Grab CG

For use with Grade 100 or Grade 80 chain. For use with MF master and BK type hooks.

Stock No.	Code	WLL (lb)	L	B	E	D	Weight (lb)
B14730	CG-6-10	3306	3.15	0.43	0.94	0.75	0.66
B14731	CG-8-10	5700	4.21	0.47	1.26	0.94	1.54
B14732	CG-10-10	8800	5.28	0.59	1.57	1.14	3.31
B14733	CG-13-10	15000	6.77	0.71	2.05	1.50	7.05
B14734	CG-16-10	22600	8.46	0.87	2.52	1.85	13.45

4:1 Design Factor. Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.



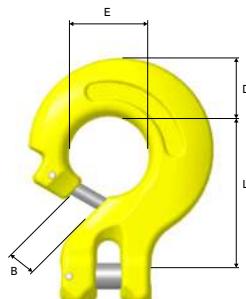
C-Grab Duo CGD

For use with Grade 100 or Grade 80 chain. For use with master links.

Stock No.	Code	WLL (lb)	L	B	E	D	Weight (lb)
B14720	CGD-6-10	4700	3.1	0.43	0.94	0.87	1.1
B14721U	CGD-8-10	9900	4.2	0.47	1.3	1.1	2.4
B14722U	CGD-10-10	15200	5.3	0.59	1.6	1.5	4.8
B14723	CGD-13-10	26000	6.8	0.75	1.9	1.9	11.9
B14724U	CGD-16-10	39100	8.5	0.87	2.5	2.2	20.1

4:1 Design Factor. Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.

Note: The maximum in service temperature is 392°F.

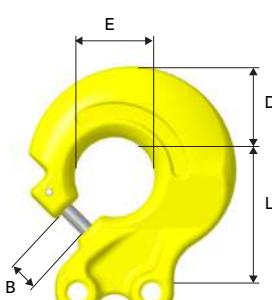


C-Lok CL

For use with Grade 100 or Grade 80 chain. For use with master links, eye hooks and choke.

Stock No.	Code	WLL (lb)	L	B	E	D	Weight (lb)
B14750	CL-6-10	3306	1.69	0.43	0.94	0.71	0.44
B14751	CL-8-10	5700	2.28	0.47	1.26	0.94	1.10
B14752	CL-10-10	8800	2.91	0.59	1.57	1.14	2.20
B14753	CL-13-10	15000	3.70	0.71	2.05	1.50	4.41
B14754	CL-16-10	22600	4.69	0.87	2.52	1.89	8.38

4:1 Design Factor. Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.



C-Lok Duo CLD

For use with Grade 100 or Grade 80 chain. For use with master links.

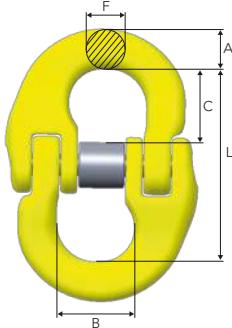
Stock No.	Code	WLL (lb)	L	B	E	D	Weight (lb)
B14740	CLD-6-10	5 700	1.69	0.43	0.94	0.87	0.88
B14741U	CLD-8-10	9 918	2.28	0.47	1.26	1.14	1.32
B14742U	CLD-10-10	15 317	2.91	0.59	1.57	1.46	2.65
B14743U	CLD-13-10	26 007	3.70	0.71	2.05	1.81	6.83
B14744U	CLD-16-10	39 231	4.69	0.98	2.52	2.24	12.13

4:1 Design Factor. Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.

Note: The maximum in service temperature is 392°F.

Coupling Link G

For use with Grade 100 or Grade 80 chain. For use with master link and eye hook.

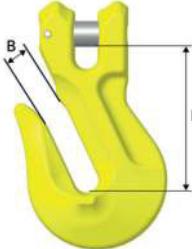


Stock No.	Code	WLL (lb)	L	B	F	A	C	Weight (lb)
Z100821	G-6-10	3306	1.77	0.59	0.28	0.31	0.63	0.22
Z101358	G-7-10	4500	2.20	0.71	0.35	0.43	0.87	0.44
Z100822	G-8-10	5700	2.20	0.71	0.35	0.43	0.87	0.44
Z100823	G-10-10	8800	2.68	0.98	0.47	0.51	1.02	0.66
Z100824	G-13-10	15000	3.50	1.14	0.59	0.67	1.30	1.54
Z100825	G-16-10	22600	4.17	1.42	0.75	0.79	1.57	3.09
Z101119	G-20-10	35300	4.92	1.69	0.91	1.02	1.73	4.85
Z101339	G-22-10	44080	5.98	1.97	1.02	1.10	2.32	7.72
Z101365	G-26-10	60169	6.34	2.28	1.26	1.34	2.40	12.57
Z101666	G-32-10	88160	7.87	2.76	1.50	1.57	3.03	20.94

4:1 Design Factor. Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M-02 and AS 3776:2015.

Grab Hook GG

Clevis shortening hook. For use with Grade 100 or Grade 80 chain. No reduction of working load limit, thanks to supporting cradle lugs on either side of hook to prevent chain link deformation.

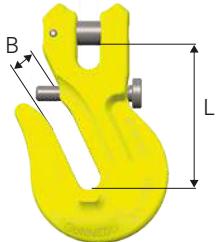


Stock No.	Code	WLL (lb)	L	B	Weight (lb)
Z101844	GG-6-10	3306	2.13	0.31	0.44
Z100845	GG-7-10	4500	2.24	0.39	0.66
B14771	GG-8-10	5700	2.24	0.39	0.88
B14772	GG-10-10	8800	2.99	0.47	1.98
B14773	GG-13-10	15000	3.82	0.63	3.97
B14774	GG-16-10	22600	4.49	0.79	6.83
Z101152	GG-20-10	35300	5.79	1.02	15.43

4:1 Design Factor. Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.

Grab Hook GG with Locking Pin

Clevis shortening hook with locking pin for extra safety. For use with Grade 100 or Grade 80 chain. No reduction of working load limit, thanks to supporting cradle lugs on either side of hook to prevent chain link deformation.

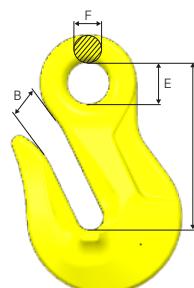


Stock No.	Code	WLL (lb)	L	B	Weight (lb)
B14971	GG-8-10 LP	5700	2.24	0.39	0.88
B14972	GG-10-10 LP	8800	3.03	0.47	1.98
B14973	GG-13-10 LP	15000	3.82	0.63	4.19
B14974	GG-16-10 LP	22600	4.49	0.79	7.05

4:1 Design Factor. Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.

Grab Hook OG

Eye shortening hook. For use with Grade 100 or Grade 80 chain. No reduction of working load limit, thanks to supporting lugs on either side of hook to prevent chain link deformation.

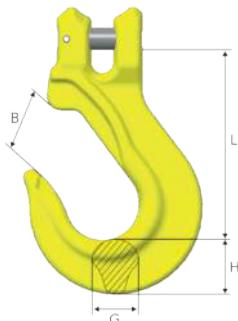


Stock No.	Code	WLL (lb)	L	B	E	F	Weight (lb)
Z101296	OG-7/8-10	5700	2.56	0.39	0.67	0.39	0.66
Z101297	OG-10-10	8800	3.35	0.47	0.79	0.47	1.54
Z101298	OG-13-10	15000	4.09	0.63	1.02	0.63	3.53
Z101299	OG-16-10	22600	5.16	0.79	1.26	0.75	6.17
Z101300	OG-20-10	35300	6.57	1.02	1.61	0.91	13.45
Z101301	OG-22-10	44094	7.36	1.02	1.81	1.26	18.96
Z101302	OG-26-10	60169	8.98	1.26	2.17	1.50	30.86
Z101303	OG-32-10	88160	9.02	1.57	1.97	1.06	45.64

4:1 Design Factor. Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.

Sling Hook EGK

For use with Grade 100 or Grade 80 chain. Sling hook with clevis connector.



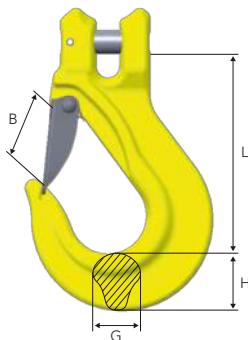
Stock No.	Code	WLL (lb)*	L	B	G	H	Weight (lb)
Z100915	EGK-6-10	3306	3.39	1.14	0.67	0.79	0.88
Z100918	EGK-7-10	4500	3.74	1.26	0.67	0.87	1.10
Z100938	EGK-8-10	5700	3.74	1.26	0.67	0.91	1.10
Z100942	EGK-10-10	8800	4.76	1.61	0.91	1.22	2.20
Z100946	EGK-13-10	15000	5.71	1.93	1.10	1.50	4.41
Z100950	EGK-16-10	22600	6.69	2.40	1.42	1.81	8.38
Z101138	EGK-20-10	35300	8.23	2.80	1.65	2.36	16.09

4:1 Design Factor. Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.

6

Sling Hook EGKN

For use with Grade 100 or Grade 80 chain. Sling hook with latch.

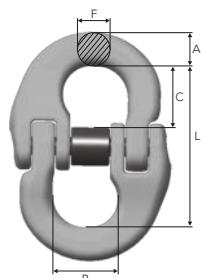


Stock No.	Code	WLL (lb)*	L	B	G	H	Weight (lb)
B14460	EGKN-6-10	3306	3.39	0.98	0.67	0.79	0.88
Z100843	EGKN-7-10	4500	3.74	1.06	0.67	0.91	1.10
B14461	EGKN-8-10	5700	3.74	1.10	0.67	0.91	1.10
B14462	EGKN-10-10	8800	4.76	1.38	0.91	1.22	2.43
B14463	EGKN-13-10	15000	5.71	1.65	1.10	1.50	4.85
B14464	EGKN-16-10	22600	6.69	2.09	1.42	1.81	8.82
Z101127	EGKN-20-10	35300	8.23	2.56	1.65	2.36	16.76

4:1 Design Factor. Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.

Coupling Link GF – stain proof

High strength stainless steel.

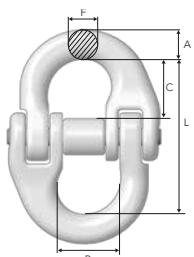


Stock No.	Code	WLL (lb)	For chain dim.	L	B	F	A	C	Weight (lb)
B80202	GF-10-8 SP	7100	3/8"	2.68	0.98	0.43	0.51	1.02	0.66
B80203	GF-13-8 SP	12000	1/2"	3.50	1.18	0.59	0.63	1.30	1.54
B80204	GF-16-8 SP	18000	5/8"	4.13	1.42	0.75	0.79	1.57	2.65

4:1 Design Factor

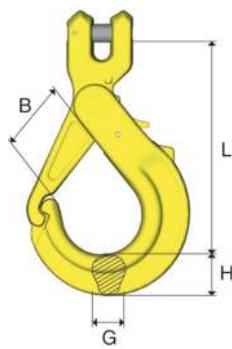
Coupling Link G HDG

Hot-dip galvanized for marine environments.



Stock No.	Code	WLL (lb)	L	B	F	A	C	Weight (lb)
ZG100821	G-6-8 HDG	2500	1.77	0.59	0.28	0.31	0.67	0.22
ZG100822	G-8-8 HDG	4500	2.20	0.71	0.35	0.43	0.87	0.44
ZG100823	G-10-8 HDG	7100	2.68	0.98	0.43	0.51	1.02	0.66
ZG100824	G-13-8 HDG	12000	3.50	1.18	0.59	0.63	1.30	1.54
ZG100825	G-16-8 HDG	18000	4	1.42	0.75	0.79	1.57	2.65

4:1 Design Factor



Safety Hook GBK

For use with Grade 100 or Grade 80 chain. Safety hook with clevis connector and grab latch.

Stock No.	Code	WLL (lb)	L	B	G	H	Weight (lb)
Z100758	GBK-6-10	3306	3.43	1.02	0.59	0.67	0.88
Z100849	GBK-7-10	4500	4.49	1.42	0.79	0.87	1.10
Z100759	GBK-8-10	5700	4.69	1.42	0.79	0.87	1.76
Z100760	GBK-10-10	8800	5.91	1.85	0.87	1.14	3.09
Z100761	GBK-13-10	15000	6.77	2.09	1.14	1.50	5.95
Z100762	GBK-16-10	22600	8.19	2.68	1.18	1.77	9.70

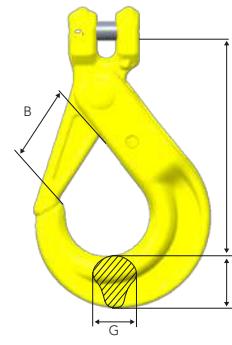
4:1 Design Factor. Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.

Safety Hook BKG

For use with Grade 100 or Grade 80 chain. Safety hook with clevis connector and standard latch.

Stock No.	Code	WLL (lb)	L	B	G	H	Weight (lb)
Z101110	BKG-6-10	3306	3.58	1.14	0.59	0.83	1.10
Z101098	BKG-7-10	4500	4.72	1.46	0.67	0.87	1.10
Z101100	BKG-8-10	5700	4.76	1.46	0.67	1.02	1.98
Z101026	BKG-10-10	8800	5.67	1.77	0.83	1.22	3.31
Z101034	BKG-13-10	15000	7.09	2.17	1.18	1.57	6.61
Z101042	BKG-16-10	22600	8.62	2.44	1.46	1.97	12.13
Z101091	BKG-20-10	35300	9.45	2.68	1.73	2.44	21.16

4:1 Design Factor. Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.



Safety Hook BKGC

For use with Grade 100 or Grade 80 chain. Safety hook with clevis connector for skip loaders.

Stock No.	Code	WLL (lb)	L	B	G	H	Weight (lb)
Z1002401	BKGC-13-10	15000	6.46	2.17	1.06	1.69	7.05

4:1 Design Factor. Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.



Sling Hook GKC

For use with Grade 100 or Grade 80 chain. Sling hook with clevis connector for skip loaders.

Stock No.	Code	WLL (lb)	L	B	G	H	Weight (lb)
Z7006461	GKC-13-10	15000	7.40	2.36	1.06	1.69	5.51

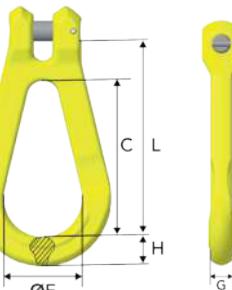
4:1 Design Factor. Fulfils requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.



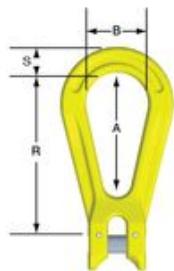
Clevis Egglink CEL

Stock No.	Code	WLL (lb)	C	E	G	H	L	Weight (lb)
Z701968	CEL-8-10	5733	3.15	1.57	0.55	0.59	3.94	0.88
Z701969	CEL-10-10	8820	3.94	1.97	0.71	0.75	4.96	1.54
Z701970	CEL-13-10	14994	5.12	2.56	0.91	0.98	6.38	3.31

4:1 Design Factor. Fulfils requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

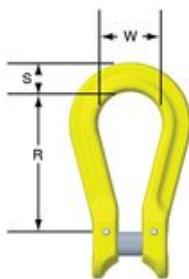


Egg Link KSS

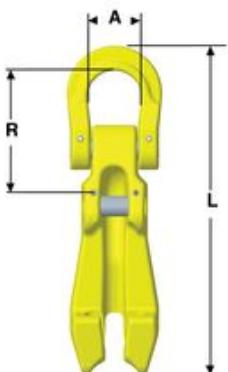


Model	Stock No.	Chain Diameter (in)	Dimensions (in)				Weight (lb)
			A	B	R	S	
KSS7N	Z2780422	0.28	2.76	1.38	3.62	0.51	0.60
KSS10N	Z2780431	0.39	4.02	2.01	5.20	0.73	1.63
KSS13N	Z2780440	0.51	5.39	2.64	6.97	1.02	4.23
KSS16N	Z2780459	0.63	6.77	3.27	8.66	1.22	6.99
KSS19N	Z2780468	0.75	7.99	3.86	10.28	1.46	12.30
KSS23N	Z2780477	0.91	9.37	4.49	12.01	1.57	18.57
KSS26N	Z2780486	1.02	10.75	5.24	13.82	1.81	31.99

Kupler K



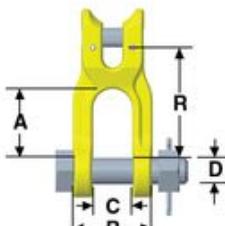
Model	Stock No.	Chain Diameter (in)	Dimensions (in)			Weight (lb)
			R	W	S	
K7N	Z2780495	0.28	2.36	1.02	0.49	0.33
K10N	Z2780501	0.39	2.87	1.38	0.75	1.04
K13N	Z2780510	0.51	3.74	1.77	0.98	2.23
K16N	Z2780529	0.63	4.65	2.13	1.14	3.66
K19N	Z2780538	0.75	5.28	2.52	1.34	6.13
K23N	Z2780547	0.91	4.76	2.52	1.77	9.39
K26N	Z2780556	1.02	5.51	3.23	1.89	13.89
K32N	Z2780574	1.26	7.01	3.78	2.52	25.31



Shortening Clutch KSC N

Unique component for leg length adjustment. It accommodates loads of irregular shape or with a general lack of headroom and allows safe leg length adjustment of any number of legs with the load remaining fully in line.

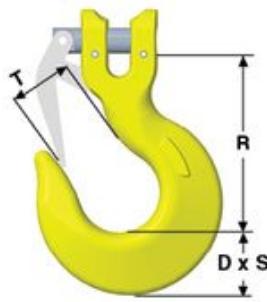
Stock No.	Reference	WLL (lb)		Dimensions (in)			Weight (lb)
		8	8+10	L	R	A	
Z2780716	KSC7N	3307	4410	6.34	2.36	1.02	1.17
Z2780725	KSC10N	7056	8820	8.31	2.87	1.42	2.82
Z2780734	KSC13N	11686	14773	10.71	3.74	1.81	5.95
Z2780743	KSC16N	17640	22050	14.17	4.65	2.20	11.60
Z2780752	KSC19N	24696	30870	16.81	5.28	2.68	21.76



Narrow Jaw Shackle KDN

Narrow jaw shackle for connection from pad eye or similar directly to chain.

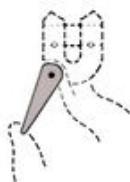
Stock No.	Reference	WLL (lb)		Dimensions (in)				Weight (lb)
		8	8+10	A	B	C	R	
Z2781369	KDN7N	3307	4410	1.42	1.65	0.79	2.24	0.55
Z2781378	KDN10N	7056	8820	2.09	2.28	1.10	3.27	0.79
Z2781387	KDN13N	11686	14773	2.83	2.91	1.38	4.17	0.94
Z2781396	KDN16N	17640	22050	3.27	3.54	1.73	5.00	1.18



Sling Hook KHN L

This hook is most widely used in general purpose slinging.

Stock No.	Reference	WLL (lb)			Dimensions (in)				Weight (lb)	
		8	8+10	R	D	S	No Latch	With Latch	No Latch	With Latch
Z2780887	*KH23	35280	46305	8.74	3.11	2.01	2.99	2.36	25.11	28.97
Z2780896	*KH26	46746	59535	9.88	3.50	2.36	3.35	2.83	35.41	41.76
Z2780903	KHN32L	69457	88200	13.15	4.65	3.35	4.45	4.17	72.02	76.32



Safety Latch KHL N

A robust latch to prevent accidental detachment of the load.

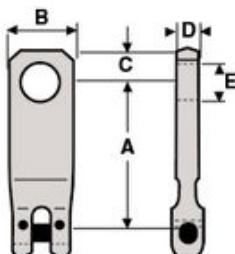
Stock No.	Reference	Part Number	Hook Reference
2780967	KHL32N	2781939	KHN32



Hook Latch Assembly KHL

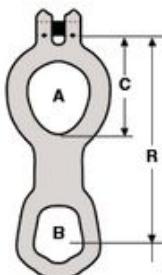
This assembly is for use with KH23 and KH26 and comprises a load pin to which the latch is attached.

Stock No.	Reference	Part Number	Hook Reference
2780976	KHL23	2780887	KH23
2780985	KHL26	2780896	KH26



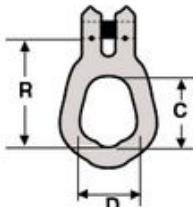
Top Suspension Plates

Stock No.	Type Size/ Reference	WLL (lb)		Dimensions (in)					Weight (lb)
		8	8+10	A	B	C	D	E	
Z2781555	C151401	11686	14773	6.02	2.44	1.26	0.79	1.42	3.51
Z2781564	C151402	11686	14773	5.51	2.44	1.26	0.79	1.42	3.35



Keep Plate C2247

Stock No.	Type Size/ Reference	WLL (lb)		Dimensions (in)					Weight (lb)
		8	8+10	A	B	C	D	R	
Z2781617	C2247	11686	14773	3.72 x 2.99	2.91 x 2.28	5.24	11.85	3.48	

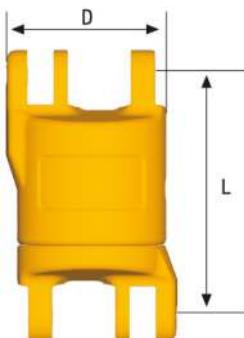


Single Trunnion Plate C1513

Stock No.	Type Size/ Reference	WLL (lb)		Dimensions (in)			Weight (lb)
		8	8+10	R	C	D	
Z2781626	C1513	11686	14773	4.41	2.91	2.28	3.31

Roller-Bearing Swivel, SKLI/SKLU

Electrically insulated, lubricated, sealed roller bearing swivel. Fully rotational even at maximum load. Tested to resist 1000 V. Suitable for protection of overhead cranes during welding operations on suspended loads.



The Gunnebo Industries SKLI is equipped with a heavy duty roller bearing, enabling high durability and safe use also under severe load. It also has heavy duty nylon insulation inside to decrease friction when in use. The SKLI is compatible with the entire Gunnebo Industries SK-range for versatile use.

Roller-bearing Swivel SKLI/SKLU

For use with Grade 80 chain.

Stock No.	Code	WLL (lb)	L	D	Weight (lb)
Z100316	SKLI-7/8-8	4500	2.95	1.89	1.54
Z100414	SKLI-10-8	7100	3.82	2.32	2.87
Z100415	SKLI-13-8	12000	4.72	2.95	6.17
Z100416	SKLI-16-8	18000	5.39	3.54	10.14
Z100417	SKLI-18/20-8	28300	159	104	16.09
RS16520	SKLU-22-8*	34200	160	109	20.28
RS16530	SKLU-26-8*	47700	207	135	40.34

4:1 Design Factor. Fulfils requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

* Uninsulated

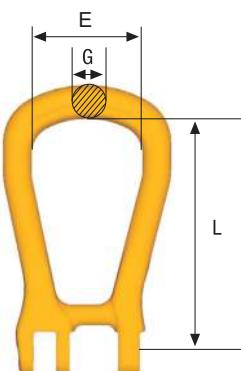


Load Pin and Locking Collar – SKA

For use with Grade 80 chain.

Stock No.	Code	Weight (lb)
Z700674	SKA-6-8	0.02
Z323624	SKA-7/8-8	0.04
Z318024	SKA-10-8	0.09
Z303822	SKA-13-8	0.18
Z303725	SKA-16-8	0.31
Z145048	SKA-18/20-8	0.57
Z133530	SKA-22-8	0.77
Z605407	SKA-26-8	1.39
Z650554	SKA-32-8	2.31

4:1 Design Factor.

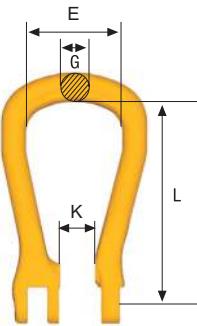


Master Link SKG (closed)

For use with Grade 80 chain. F or use with SK system.

Stock No.	Code	WLL (lb)	L	E	G	Weight (lb)
Z419684	SKG-7/8-8	4500	3.90	1.97	0.55	0.66
Z419781	SKG-10-8	7100	5.00	2.60	0.71	1.32
Z419888	SKG-13-8	12000	5.71	2.83	0.87	2.43
Z419985	SKG-16-8	18000	6.89	3.23	0.98	3.31
Z420086	SKG-18/20-8	28300	8.03	4.13	1.18	6.61

4:1 Design Factor. Fulfils requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.



Master Link SKO (open)

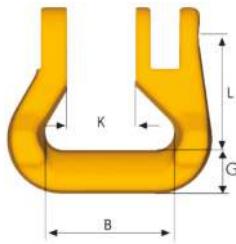
For use with Grade 80 chain. For use with SK system.

Stock No.	Code	WLL (lb)	L	E	G	K	Weight (lb)
Z418683	SKO-7/8-8	4500	3.90	1.97	0.55	0.59	0.66
Z418780	SKO-10-8	7100	5.00	2.60	0.71	0.79	1.32
Z419383	SKO-13-8	12000	5.71	2.83	0.87	0.98	2.20
Z419480	SKO-16-8	18000	6.89	3.23	0.98	1.18	3.31
Z419587	SKO-18/20-8	28300	8.03	4.13	1.18	1.42	6.39

4:1 Design Factor. Fulfils requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

Roundsling Coupling SKR

Special shape for full WLL of the roundsling. For use with SK system.

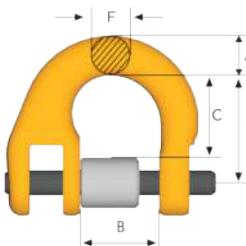


Stock No.	Code	WLL (lb)*	L	B	G	K	Weight (lb)
Z127840	SKR-7/8-8	4500	1.38	1.57	0.51	0.71	1.30
Z143143	SKR-10-8	7100	1.65	1.85	0.63	0.94	1.74
Z302538	SKR-13-8	12000	1.97	2.09	0.75	1.14	2.16
Z143240	SKR-16-8	18000	2.44	2.64	0.91	1.38	2.60
Z143347	SKR-18/20-8	28300	2.80	3.15	1.10	1.69	3.13
Z100057	SKR-22-8	34200	111	125	40	50	11.68
Z100055	SKR-26-8	47700	129	150	48	58	19.62

Fulfils requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

Half-link SKT (includes locking set)

For use with SK system.

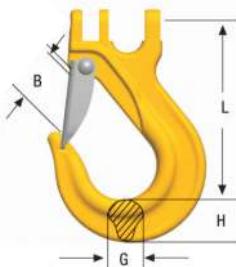


Stock No.	Code	WLL (lb)*	L	B	F	A	C	Weight (lb)
Z426286	SKT-7/8-8	4500	1.10	0.71	0.35	0.43	0.87	0.22
Z426383	SKT-10-8	7100	1.34	0.98	0.43	0.51	1.02	0.44
Z426480	SKT-13-8	12000	1.73	1.18	0.59	0.63	1.30	0.88
Z426587	SKT-16-8	18000	2.05	1.42	0.75	0.79	1.57	1.32
Z426684	SKT-18/20-8	28300	2.48	1.69	0.87	0.91	1.85	2.43
Z100225	SKT-22-8	34200	2.99	1.97	0.94	1.02	2.32	3.75
Z100226	SKT-26-8	47700	3.15	2.28	1.18	1.30	2.40	5.73
Z100227	SKT-32-8	72300	3.94	2.76	1.50	1.57	3.07	10.80

Fulfils requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

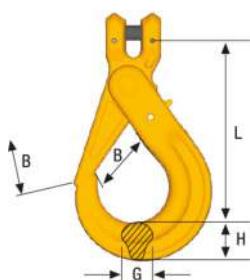
Sling Hook ESKN/SKN with Latch

For use with SK system.



Stock No.	Code	WLL (lb)*	L	B	G	H	Weight (lb)
Z424682	SKN-7/8-8	4500	3.54	1.06	0.71	0.83	0.88
Z424789	SKN-10-8	7100	4.53	1.34	0.91	1.14	1.76
Z101214	ESKN-13-8	12000	5.71	1.65	1.10	1.42	3.97
Z100786	ESKN-16-8	18000	7.01	2.13	1.50	1.69	7.50
Z100781	ESKN-18/20-8	28300	7.76	2.32	1.93	2.01	11.24

Fulfils requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

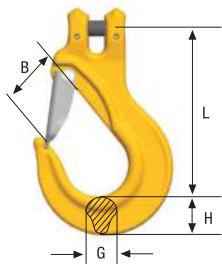


Safety Hook BKG

For use with Grade 80 chain.

Stock No.	Code	WLL (lb)	L	B	G	H	Weight (lb)
Z297222	BKG-7/8-8	4500	4.72	1.46	0.67	1.02	1.98
Z295929	BKG-10-8	7100	5.63	1.77	0.83	1.18	3.31
Z291527	BKG-13-8	12000	7.05	2.17	1.18	1.54	6.17
Z291624	BKG-16-8	18000	8.54	2.44	1.46	1.89	11.24

4:1 Design Factor. Fulfils requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

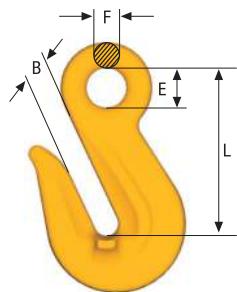


Sling Hook EGKN with Latch

For use with Grade 80 chain.

Stock No.	Code	WLL (lb)	L	B	G	H	Weight (lb)
Z100744	EGKN-7/8-8	4500	3.74	1.14	0.67	0.87	1.10
Z100772	EGKN-10-8	7100	4.76	1.46	0.75	1.14	1.98
Z100773	EGKN-13-8	12000	5.79	1.65	1.06	1.42	4.41
Z100774	EGKN-16-8	18000	6.69	1.93	1.34	1.73	7.94

4:1 Design Factor. Fulfils requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

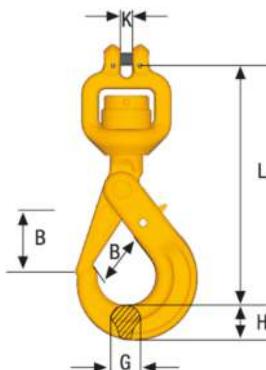


Grab Hook OG

For use with Grade 80 chain. Not for use with Berglok. No reduction of working load limit, thanks to supporting lugs on either side of hook to prevent chain link deformation.

Stock No.	Code	WLL (lb)	L	B	E	F	Weight (lb)
Z100811	OG-7/8-8	4500	2.56	0.39	0.63	0.39	0.66
Z291022	OG-10-8	7100	3.35	0.47	0.79	0.47	1.32
Z295220	OG-13-8	12000	4.09	0.59	0.98	0.63	2.65
Z296221	OG-16-8	18000	5.12	0.75	1.18	0.75	5.29

4:1 Design Factor. Fulfils requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

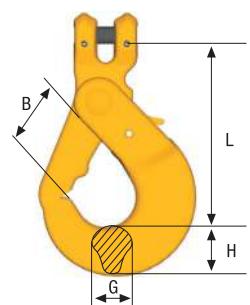


Clevis Swivel Safety Hook BKH

For use with Grade 80 chain. Safety hook with swivel for improved positioning of the hook before the load is lifted (360° rotation).

Stock No.	Code	WLL (lb)	L	B	K	G	H	Weight (lb)
Z336222	BKH-6-8	2500	5.71	1.14	0.27	0.59	0.83	1.54
Z700809	BKH-7/8-8	4500	7.13	1.46	0.35	0.67	1.02	2.65

4:1 Design Factor. Fulfils requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.



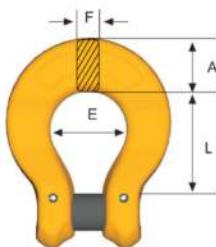
Container Hook BKGC

For use with Grade 80 chain.

Stock No.	Code	WLL (lb)*	L	B	G	H	Weight (lb)
Z100242	BKGC-16-8	18000	6.30	2.17	1.06	1.69	7.50

4:1 Design Factor. Fulfils requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

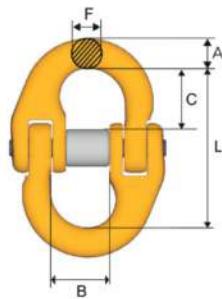
Spare part: RDOBK



Berglok Chain Coupler BL

Stock No.	Code	WLL (lb)	L	E	F	A	Weight (lb)
Z622036	BL-6-8	2500	1.06	0.79	0.35	0.55	0.22
Z195823	BL-7/8-8	4500	1.38	0.98	0.43	0.71	0.44
Z208022	BL-10-8	7100	1.77	1.26	0.55	0.87	0.88
Z217820	BL-13-8	12000	2.20	1.57	0.67	1.10	1.76
Z208226	BL-16-8	18000	2.68	1.97	0.87	1.38	3.09

Fulfils requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.



Coupling Link G

Stock No.	Code	WLL (lb)	L	B	F	A	C	Weight. (lb)
Z622882	G-6-8	2500	1.77	0.59	0.28	0.31	0.67	0.22
Z279333	G-7/8-8	4500	2.20	0.71	0.35	0.43	0.87	0.44
Z279430	G-10-8	7100	2.68	0.98	0.43	0.51	1.02	0.66
Z279537	G-13-8	12000	3.50	1.18	0.59	0.63	1.30	1.54
Z279634	G-16-8	18000	4.13	1.42	0.75	0.79	1.57	2.65
Z279731	G-18/20-8	28300	4.92	1.69	0.87	0.91	1.85	4.19
Z279838	G-22-8	34200	5.98	1.97	0.94	1.02	2.32	6.61
Z349171	G-26-8	47700	6.34	2.28	1.18	1.30	2.40	11.46
Z349189	G-32-8	72300	7.87	2.76	1.50	1.57	3.03	20.94

Fulfils requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M and AS 3776:2015.

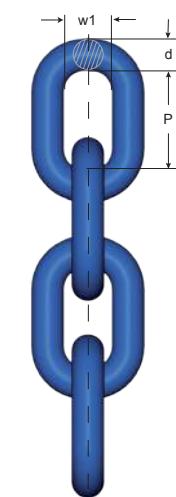


Chain production plant in Gunnebo, Sweden

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Chain, GrabiQ Grade 10 (200) Short link, KL

Heat treatment:
Quenched & Tempered

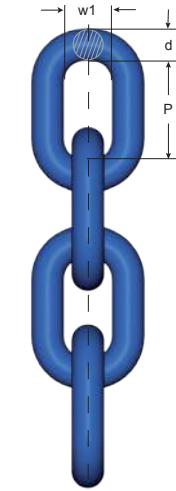
Note: For chain Grade 10 (200) the maximum in service temperature is 200°C.

Surface treatment:
Painted blue

Fulfils the requirements in:
ASTM A973/A973M-07(2012)
EN 818+2:2008 (WLL +25%,
reduced temperature range)

Stock No. Box	Code	WLL (lb)	d nom.	P	w1	Weight lb / foot	MPF kN	Breaking Force (lb)
Z802300 - 1 x 656 ft	KLA 6-10 (200)	3306	(6mm)	0.71	0.33	0.54	8272	13240
Z802337 - 1 x 656 ft	KLA 7-10 (200)	4300	9/32"	0.83	0.39	0.74	10790	17309
Z802301 - 1 x 656 ft	KLA 8-10 (200)	5700	5/16"	0.94	0.43	0.94	14162	22929
Z802302 - 1 x 328 ft	KLA 10-10 (200)	8800	3/8"	1.18	0.55	1.55	22030	35518
Z802303 - 1 x 328 ft	KLA 13-10 (200)	15000	1/2"	1.54	0.70	2.55	37316	60246
Z802304 - 1 x 328 ft	KLA 16-10 (200)	22600	5/8"	1.89	0.86	3.77	56424	90369
Z802305 - 1 x 164 ft	KLA 20-10 (200)	35300	3/4"	2.36	1.06	6.32	88346	141624
Z802246 - 1 x 164 ft	KLA 22-10 (200)	44080	7/8"	2.60	1.14	7.93	110376	176468
Z802248 - 1 x 164 ft	KLA 26-10 (200)	59500	1"	3.07	1.38	9.81	149267	238737
Z802440 - 1 x 82 ft	KLA 32-10 (200)	88160	1-1/4"	3.78	1.64	16.40	220528	361928

4:1 Design Factor



Chain, GrabiQ Grade 10 (400) Short link, KL

Heat treatment:
Quenched & Tempered

Note: For chain Grade 10 (400) the maximum in service temperature is 400°C.

Surface treatment:
Painted blue

Fulfils the requirements in:
EN 818-2:2008 (WLL+25%,
material dimension Ø +10%)

Note: This chain is marked with "8+" in addition to the marking required by the machine directive.

Stock No. Box	Code	WLL (lb)	d nom.	P	w1	Weight lb / foot	MPF kN	Breaking Force (lb)
Z802306 - 1 x 656 ft	KLA 6-10 (400)	3306	0.26	0.71	0.35	0.67	8272	13218
Z802307 - 1 x 656 ft	KLA 8-10 (400)	5500	0.35	0.94	0.44	1.14	14162	22929
Z802308 - 1 x 328 ft	KLA 10-10 (400)	8800	0.43	1.18	0.57	1.75	22030	35518
Z802309 - 1 x 328 ft	KLA 13-10 (400)	14800	0.56	1.54	0.76	3.02	37316	60246
Z802310 - 1 x 328 ft	KLA 16-10 (400)	22040	0.68	1.89	0.91	4.50	56424	90369

4:1 Design Factor



Chain, Classic Grade 8 Short link, KL

Heat treatment:
Quenched & Tempered

Surface treatment:
Painted black (KLB)
Painted yellow (KLU)

Fulfils the requirements in:
EN 818-2:2008, AS 2321:2014,
ASTM A391/A 391M-07 (2012)

Stock No. Box	Code	WLL (lb)	d nom.	P	w1	Weight lb / foot	Manufacturing Proof Force (lb)	Breaking Force (lb)
Z802174 - 1 x 656 ft	KLB 6-8E	2500	(6mm)	0.71	0.33	0.54	6362	10161
Z802175 - 1 x 656 ft	KLB 7-8E	3500	9/32"	0.83	0.39	0.74	8655	13938
Z802176 - 1 x 656 ft	KLB 8-8E	4500	5/16"	0.94	0.43	0.94	11308	18120
Z802156 - 1 x 328 ft	KLB 10-8E	7100	3/8"	1.18	0.55	1.55	17760	29225
Z802157 - 1 x 328 ft	KLB 13-8E	12000	1/2"	1.54	0.70	2.55	29900	48109
Z802177 - 1 x 328 ft	KLB 16-8E	18000	5/8"	1.89	0.86	3.77	45187	72389
Z801203 - 1 x 328 ft	KLB 19-8E	25600	3/4"	2.24	1.06	5.24	63846	102738
Z801228 - 1 x 164 ft	KLB 22-8E	34200	7/8"	2.60	1.16	7.13	85428	137134
Z801231 - 1 x 164 ft	KLB 26-8E	47700	1"	3.07	1.38	9.95	119374	191089
Z801232 - 1 x 82 ft	KLB 32-8E	72300	1-1/4"	3.78	1.64	14.52	180747	292253

4:1 Design Factor



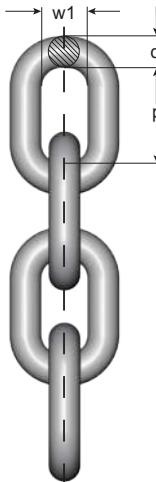
Chain KLZ HDG

Heat treatment:
Quenched & Tempered

Surface treatment:
Hot-dip galvanized

Fulfils the requirements in:
EN 818-2:2008 (material dim. Ø +10%)
ISO 1461:2009
ASTM A391/A391M-07 2012 (material dim. Ø +10%)

Stock No.	Code	Link Dimensions			Weight lb / foot	Min. Breaking Load (lb)	Delivery Length
		d	P	w1			
ZG802306	KLZ-6-8 HDG	0.25	0.70	0.35	2.20	10160	3.28 x 328 ft
ZG802307	KLZ-8-8 HDG	0.34	0.94	0.44	3.74	18000	3.28 x 328 ft
ZG802308	KLZ-10-8 HDG	0.43	1.18	0.56	5.73	28400	3.28 x 328 ft
ZG802309	KLZ-13-8 HDG	0.56	1.53	0.75	9.92	48000	3.28 x 328 ft
ZG802310	KLZ-16-8 HDG	0.68	1.88	0.90	14.7	72400	3.28 x 328 ft



Short Link Chain KLFZ, Grade 7

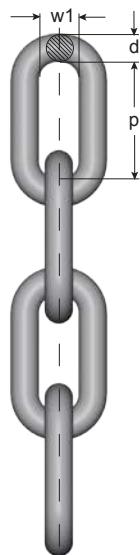
Heat treatment:
Quenched & Tempered

Surface treatment:
Hot-dip galvanized

Not for lifting purposes

Stock No.	Code	Link Dimensions			Min. Breaking Load (lb)	Weight lb / foot	Delivery Length
		d nom.	P	w1			
Z800666	KLFZ-10-7	0.39	1.18	0.55	24250	1.48	1 x 328 ft
Z800667	KLFZ-11-7	0.43	1.30	0.61	26455	1.80	1 x 328 ft
Z802329	KLFZ-13-7	0.51	1.53	0.67	39683	2.49	1 x 328 ft
Z803329	KLFZ-14-7	0.55	1.61	0.83	48542	3.00	1 x 328 ft
Z802901	KLFZ-16-7	0.63	1.89	0.85	58863	3.90	1 x 328 ft
Z801409	KLFZ-17-7	0.66	1.88	0.91	66138	4.30	1 x 328 ft
Z801407	KLFZ-19-7	0.74	2.24	1.06	88184	5.38	1 x 328 ft

Fulfils requirements in: EN 1461:2009 (Average surface thickness 85 µm)



Mid-Link Chain MLFZ, Grade 7

Heat treatment:
Quenched & Tempered

Surface treatment:
Hot-dip galvanized

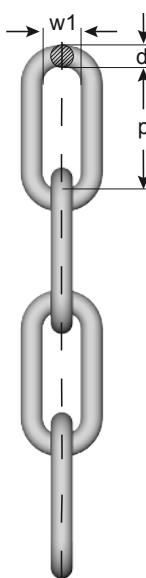
Not for lifting purposes

Stock No.	Code	Link Dimensions			Min. Breaking Load (lb)	Weight lb / foot	Delivery Length
		d nom.	P	w1			
Z802455	MLFZ 10-6*	3/8"	1.57	0.57	22040	1.34	1 x 328 ft
Z802335	MLFZ-13-7	1/2"	2.17	0.80	39672	2.22	1 x 328 ft
Z801645	MLFZ-16-7	5/8"	2.56	0.81	61712	3.36	1 x 328 ft
Z801477	MLFZ-19-7	3/4"	2.95	1.14	88160	4.77	1 x 328 ft

Fulfils requirements in: EN 1461:2009 (Average surface thickness 3.35 mils)

* Average surface thickness 2.75 mils

6



Long Link Chain LLZ, Grade 6

Heat treatment:
Quenched & Tempered

Surface treatment:
Hot-dip galvanized

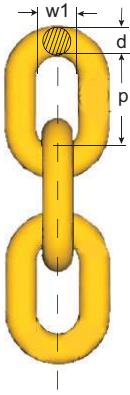
Not for lifting purposes

Stock No.	Code	Link Dimensions			Min. Breaking Load (lb)	Weight lb / foot	Delivery Length
		d nom.	P	w1			
Z802453	LLZ-9-6*	6/16"	2.09	0.56	17191	0.94	1 x 328 ft
Z802454	LLZ-11-6*	7/16"	2.52	0.73	25566	1.41	4 x 328 ft
Z800682	LLZ-13-6	1/2"	3.15	0.83	35925	1.95	3 x 328 ft
Z802207	LLZ-13-6	1/2"	3.15	0.83	35925	1.95	1 x 750 ft
Z801567	LLZ-16-6	5/8"	3.94	1.06	54439	3.09	1 x 328 ft
GS1073	LLZ-16-6	5/8"	3.94	1.06	54439	3.09	1 x 656 ft
Z801458	LLZ-19-6	3/4"	3.94	1.06	76699	4.37	1 x 390 ft
Z801887	LLZ-22-6	7/8"	4.72	1.38	102706	5.85	1 x 164 ft
Z802447	LLZ-25-6	1"	5.51	1.54	132240	8.07	1 x 164 ft

Fulfils requirements in: EN 1461:2009 (Average surface thickness 3.35 mils)

* Average surface thickness 2.75 mils

Short Link Chain KLFU, Grade 8



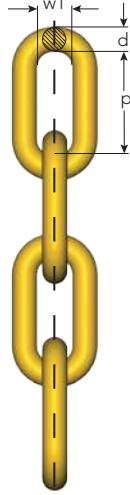
Heat treatment:
Quenched & Tempered,
Stress relieved

Surface treatment:
Painted yellow

Not for lifting purposes

Stock No.	Code	Link Dimensions			Weight lb / foot	Min. Breaking Load (lb)	Delivery Length
		d nom.	P	w1			
Z802330	KLFU-10-8	3/8"	1.18	0.55	1.48	27770	1 x 328 ft
Z802331	KLFU-13-8	1/2"	1.54	0.69	2.49	47166	1 x 328 ft
Z801146	KLFU-16-8	5/8"	1.89	0.85	3.90	70969	1 x 328 ft
Z327377	KLFU-19-8	3/4"	2.24	1.06	5.38	100062	1 x 328 ft
Z327385	KLFU-22-8	7/8"	2.60	1.18	7.39	134444	1 x 164 ft
Z801505	KLFU-26-8	1"	3.07	1.38	9.95	189544	1 x 164 ft

Mid-Link Chain MLFU, Grade 8



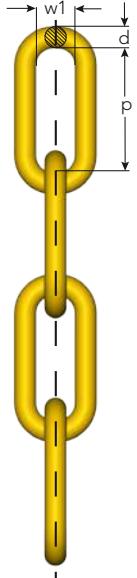
Heat treatment:
Quenched & Tempered,
Stress relieved

Surface treatment:
Painted yellow

Not for lifting purposes

Stock No.	Code	Link Dimensions			Weight lb / foot	Min. Breaking Load (lb)	Delivery Length
		d nom.	P	w1			
Z802332	MLFU-10-8	3/8"	1.57	0.57	1.34	27770	1 x 328 ft
Z802333	MLFU-13-8	1/2"	2.17	0.80	2.22	47166	1 x 328 ft
Z800564	MLFU-16-8	5/8"	2.56	0.81	3.36	70969	1 x 328 ft
Z800476	MLFU-19-8	3/4"	2.95	1.14	4.77	100062	1 x 328 ft
Z800661	MLFU-22-8	7/8"	3.46	1.18	6.32	134444	1 x 164 ft
Z801770	MFLU-26-8	1"	3.58	1.34	9.34	189544	1 x 164 ft

Long-Link Chain LLU, Grade 8



Heat treatment:
Quenched & Tempered,
Stress relieved

Surface treatment:
Painted yellow

Not for lifting purposes

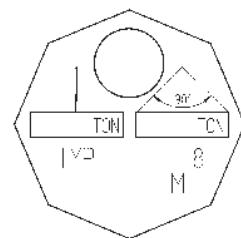
Stock No.	Code	Link Dimensions			Weight lb / foot	Min. Breaking Load (lb)	Delivery Length
		d	P	w1			
Z801934	LLU-9-8		2.09	0.56	0.02	22481	4 x 328 ft
Z801935	LLU-11-8	7/16"	2.52	0.73	0.02	33942	4 x 328 ft
Z801936	LLU-13-8	1/2"	3.15	0.83	0.03	47166	3 x 328 ft
Z802160	LLU-16-8	5/8"	3.94	1.06	0.05	70969	1 x 328 ft
Z601983	LLU-19-8	3/4"	3.94	1.06	0.08	100062	1 x 328 ft
Z700526	LLU-22-8	7/8"	4.72	1.38	0.10	134444	1 x 164 ft

Spare Part RDGG

Spare part set consisting of pin, spring, and locking ring.



Stock No.	Code	Weight (lb)
B17930	RDGG-8-10 locking pin	0.07
B17931	RDGG-10-10 locking pin	0.09
B17932	RDGG-13-10 locking pin	0.11
B17933	RDGG-16-10 locking pin	0.13



Id-tag Grade 8

Stainless steel.

Stock No.	Code
Z100004	Id-tag

6

Sling Id-tag Grade 10

Stainless steel. Sling Id-tag Grade 10 according to EN 818.



Stock No.	Code
B14841	Flexitag 6 mm with ferrule and wire
B14842	Flexitag 8 mm with ferrule and wire
B14843	Flexitag 10 mm with ferrule and wire
B14844	Flexitag 13 mm with ferrule and wire
B14845	Flexitag 16 mm with ferrule and wire
Z100971	Flexitag 6 mm
Z100972	Flexitag 8 mm
Z100973	Flexitag 10 mm
Z100974	Flexitag 13 mm
Z100975	Flexitag 16 mm
Z101077	Flexitag 20 mm
Z100899	Flexitag Neutral



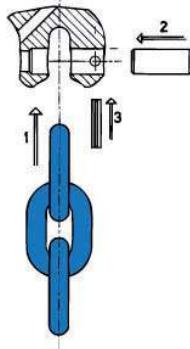
Stainless steel. Sling Id-tag Grade 10 acc. to ASME.

Stock No.	Code
697053	US/CANADA FLEXI LEG TAG KIT (6MM)
697054	US/CANADA FLEXI LEG TAG KIT 5/16"
697055	US/CANADA FLEXI LEG TAG KIT 3/8"
697056	US/CANADA FLEXI LEG TAG KIT 1/2"
697057	US/CANADA FLEXI LEG TAG KIT 5/8"



Load Pin Set CLS

Clevis connection set consisting of one load pin and one spring retaining pin.



Stock No.	Code	Weight (lb)
B14930	CLS- 6	0.02
B14931	CLS- 8	0.04
B14932	CLS-10	0.09
B14933	CLS-13	0.20
B14934	CLS-16	0.35
B14935	CLS-20	0.57



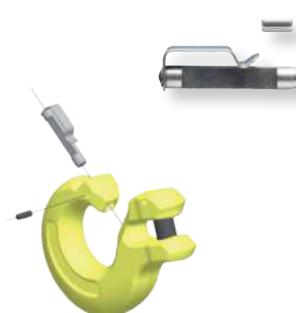
Spare Part CS

C-connection set for CG, CGD, CL, CLD, and RH hook, consisting of one blocking pin and one spring retaining pin, for locking.



Assembly: C-coupling - C-grab/C-lok with MF

Stock No.	Code	Weight (lb)
B14920	CS- 6-10	0.02
B14921	CS- 8-10 / RH-1& -2	0.02
B14922	CS-10-10 / RH-3	0.02
B14923	CS-13-10	0.07
B14924	CS-16-10 / RH-5	0.11



Close/Open Locking Set FlexiLeg Quick Pin

Stock No.	Code	Weight (lb)
Z101010	QP-6-10	0.02
Z101011	QP-8-10	0.02
Z101012	QP-10-10	0.02
Z101013	QP-13-10	0.07
Z101014	QP-16-10	0.13

Locking Set SKA

SKA locking set for G-link, consists of a load pin and locking collar.



Stock No.	Code	Weight (lb)
Z100989	SKA- 6-10	0.02
Z100933	SKA- 7/8-10	0.04
Z100934	SKA-10-10	0.09
Z100990	SKA-13-10	0.18
Z100991	SKA-16-10	0.31
Z101176	SKA-20-10	0.57
Z650555	SKA-22-10	0.77
Z650556	SKA-26-10	1.39
Z650557	SKA-32-10	2.40

Stock No.	Code	Weight (lb)
Z700674	SKA-6-8	0.02
Z323624	SKA-7/8-8	0.04
Z318024	SKA-10-8	0.09
Z303822	SKA-13-8	0.18
Z303725	SKA-16-8	0.31
Z145048	SKA-18/20-8	0.57
Z133530	SKA-22-8	0.77
Z605407	SKA-26-8	1.39
Z650554	SKA-32-8	2.31

Load Pin Set Berglok BLA

Set for Berglok and clevis type connections. Consists of one load pin and two retaining pins.



Stock No.	Code	Weight (lb)
Z275649	BLA-6-8*	0.02
Z275347	BLA-7/8-8*	0.04
Z275444	BLA-10-8	0.09
Z275648	BLA-13-8	0.18
Z276047	BLA-16-8	0.33
Z276241	BLA-19-8	0.57

* Also for Safety hook BKH

Locking Set Midgrab MIG

Stock No.	Code	Weight (lb)
B14904	C-8	0.04
B14905	L-8	0.04
B14914	C-10	0.04
B14915	L-10	0.04
B14916	C-13	0.18
B14917	L-13	0.11

C - Close/open function



L - Permanent locking function

TO MAKE YOUR CROSBY® GRADE 100 ALLOY CHAIN SLING

Follow these simple steps in making a sling assembly:

- Determine the maximum load to be lifted by the sling assembly.
- Choose the type of sling assembly suited for the shape of the load and the size of the sling assembly for the load to be lifted. The decision must take into account the angle of the sling legs in multileg slings.
- Determine the overall reach from bearing point of master link to bearing point on hook (see Fig. 1).
- Select components, assemble chain and components.
- Affix sling identification tag to sling. The tag is available from your authorized Crosby distributor.

Each sling shall be marked to show: name or trademark of manufacturer, grade, nominal chainsize, number of legs, rated load for the type(s) of hitch(es) used and angle upon which it is based (reach).

If measurement comes in the link, cut the following link. For two leg type slings, count the links and use an even



number for clevis hooks and an odd number for eye hooks. This will position hooks in the same plane. In multileg slings always use the same number of links in each leg.

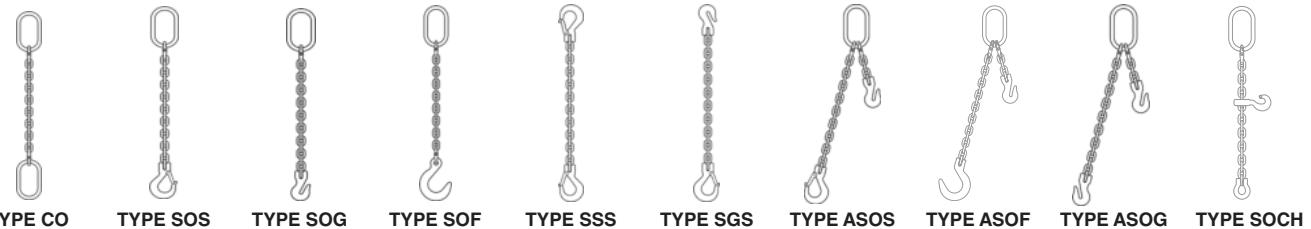


When using chain slings in choker applications, the Working Load Limit must be reduced by 20%. Crosby recommends a minimum angle of choke of 120 degrees. Consult Crosby when planning to use an angle of choke of less than 120 degrees. If Crosby A-1338 cradle grab hooks are used at a minimum angle of choke of 120 degrees, the full sling rated WLL can be utilized.

In shortening applications, a 20% reduction of the Working Load Limit is required except when using the Crosby A-1338 Cradle Grab Hooks, S-1311 Chain Shortener Link, the A-1355 Chain Choker Hook in conjunction with the S-1325 Chain Coupler Link, or the Crosby Eliminator® shortener link. They can be used without any reduction to the Working Load Limit.

The Slings shown below are standard assemblies that can be made from proof tested Crosby components and alloy chain supplied by your authorized Crosby distributor. Assemblies must include a chain sling identification tag.

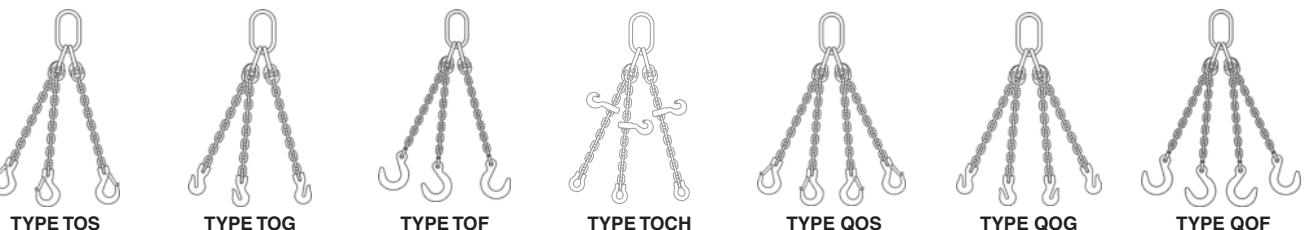
APPLICATION AND WARNING INFORMATION
SECTION 17



Type	Description	Type	Description
CO	Single chain sling with master link each end	SGS	Single chain sling with grab hook and sling hook
SOS	Single chain sling with master link and sling hook	ASOS	Adjustable single chain with master link and sling hook
SOG	Single chain sling with master link and grab hook	ASOF	Adjustable single chain sling with master link and foundry hook
SOF	Single chain sling with master link and foundry hook	ASOG	Adjustable single chain sling with master link and grab hook
SSS	Single chain sling with sling hook each end	SOCH	Single with 1355 choker



Type	Description	Type	Description
DOS	Double chain sling with master link and sling hook	ADOS	Adjustable double chain sling with master link and sling hook
DOG	Double chain sling with master link and grab hook	ADOG	Adjustable double chain sling with master link and grab hook
DOF	Double chain sling with master link and foundry hook	DOCH	Double with 1355 choker



Type	Description	Type	Description
TOS	Triple chain sling with master link and sling hook	QOS	Quadruple chain sling with master link and sling hook
TOG	Triple chain sling with master link and grab hook	QOG	Quadruple chain sling with master link and grab hook
TOF	Triple chain sling with master link and foundry hook	QOF	Quadruple chain sling with master link and foundry hook
TOCH	Triple with 1355 choker		

TO ORDER YOUR CROSBY ELIMINATOR® GRADE 100 ALLOY CHAIN SLING

Follow these simple steps to order a sling assembly:

1. Determine the maximum load to be lifted by the sling assembly.
2. Choose the type of sling assembly suited for the shape of the load and the size of the sling assembly for the load to be lifted. The decision must take into account the angle of the sling legs in multileg slings.
3. Determine the overall reach from bearing point of Eliminator Bail to bearing point on hook (see Fig. 1).
4. Select components, assemble chain and components.
5. Affix sling identification tag to sling. The tag is available from your authorized Crosby distributor.

Each sling shall be marked to show: name or trademark of manufacturer, grade, nominal chain size, number of



Fig. 1

legs, rated load for the type(s) of hitch(es) used and angle upon which it is based (reach).

When using chain slings in choker applications, the Working Load Limit must be reduced by 20%. Crosby recommends a minimum angle of choke of 120 degrees. Consult Crosby when planning to use an angle of choke of less than 120 degrees. If Crosby A-1338 cradle grab hooks are used at a minimum angle of choke of 120 degrees, the full sling rated WLL can be utilized.



In shortening applications, a 20% reduction of the Working Load Limit is required except when using the Crosby A-1338 Cradle Grab Hooks, S-1311 Chain Shortener Link, the A-1355 Chain Choker Hook in conjunction with the S-1325 Chain Coupler Link, or the Crosby Eliminator® shortener link. They can be used without any reduction to the Working Load Limit.

APPLICATION AND WARNING INFORMATION
SECTION 17



TYPE ESO



TYPE ESOS



TYPE ESOG



TYPE ESOL



TYPE ESOF

Type	Description	Type	Description
ESO	Crosby Eliminator® single chain sling with sling hook	ESOL	Crosby Eliminator® single chain with SHUR-LOC® hook
ESOG	Crosby Eliminator® single chain sling with grab hook	ESOF	Crosby Eliminator® single chain with foundry hook



TYPE EDO



TYPE EDOS



TYPE EDOG

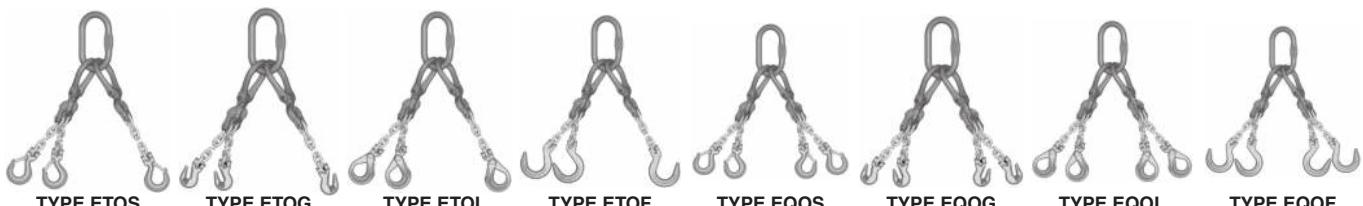


TYPE EDOL



TYPE EDOF

Type	Description	Type	Description
EDO	Crosby Eliminator® double chain sling with sling hooks	EDOL	Crosby Eliminator® double chain with SHUR-LOC® hooks
EDOG	Crosby Eliminator® double chain sling with grab hooks	EDOF	Crosby Eliminator® double chain with foundry hooks



Type	Description	Type	Description
ETOS	Crosby Eliminator® triple chain sling with master link and sling hooks	EQOS	Crosby Eliminator® quad chain sling with master link and sling hooks
ETOG	Crosby Eliminator® triple chain sling with master link and grab hooks	EQOG	Crosby Eliminator® quad chain sling with master link and grab hooks
ETOL	Crosby Eliminator® triple chain sling with master link and SHUR-LOC® hooks	EQOL	Crosby Eliminator® quad chain sling with master link and SHUR-LOC® hooks
ETOF	Crosby Eliminator® triple chain sling with master link and foundry hooks	EQOF	Crosby Eliminator® quad chain sling with master link and foundry hooks

Spectrum® 10
Alloy Chain

- 25% stronger than Grade 80 alloy chain.
- Permanently embossed with CG (Crosby Group) and 10 (Grade).
- Finish - red paint for 6-16mm and black paint for 20-32mm.
- Meets ASTM A973 for Grade 10 chain.
- Proof Tested at minimum 2 times the Working Load Limit with certification.

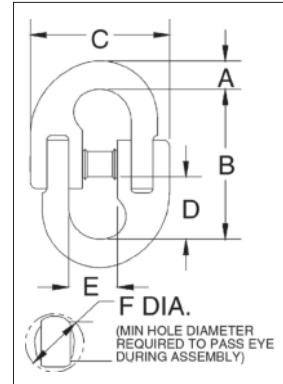
Grade 100 Alloy Chain Recommended for overhead lifting applications

Chain Size		Stock No.	Feet Per Drum / Crate	Material Size (in)	Working Load Limit (lb)	Maximum Inside Length (in)	Maximum Inside Width (in)	Maximum Length 100 Links (in)	Weight Per 100 Feet (lb)
(in)	(mm)								
9/32 (1/4)	7	1210030	500	.276	4300	.87	.42	90	75
5/16	8	1210035	500	.343	5700	1.01	.49	100	113
3/8	10	1210040	500	.394	8800	1.23	.58	125	148
1/2	13	1210045	300	.512	15000	1.57	.77	164	249
5/8	16	1210050	200	.630	22600	1.93	.90	202	378
3/4	20	1210060	164	.827	35300	2.43	.98	243	667
7/8	23	1210065	164	.945	46300	2.80	1.26	280	886
1	26	1210070	164	1.06	59800	3.16	1.28	316	1102
1-1/4	32	1210075	82	1.34	90400	3.89	1.73	389	1745

4:1 Design Factor.

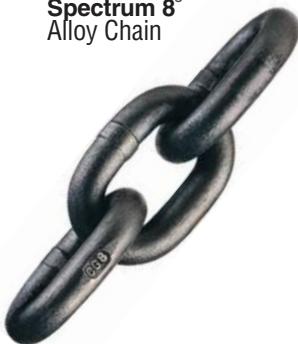
A-1337

- Suitable for use with both Grade 80 and Grade 100 chain.
- Individually Proof Tested at 2-1/2 times Working Load Limit with certification.
- Locking system that provides for simple assembly and disassembly - no special tools needed.
- Meets ASTM A-952 standards for Grade 100 chain fittings.
- Forged alloy steel — Quenched & Tempered.
- Sizes 9/32 through 1 inch are fatigue rated.


Crosby 8/10™ **Fatigue Rated™** **QT**
A-1337 LOK-A-LOY® 10 Alloy Connecting Link

Chain Size		Stock No.	Pkg. Qty.	Weight Each (lb)	Working Load Limit (lb)	Dimensions (in)					
(in)	(mm)					A	B	C	D	E	F
9/32 (1/4)	7	1015104	60	0.29	4300	0.38	1.94	2.00	0.80	0.68	0.53
5/16	8	1015113	50	0.42	5700	0.37	2.36	2.13	0.99	0.72	0.59
3/8	10	1015122	40	0.77	8800	0.51	2.65	2.55	1.09	0.91	0.73
1/2	13	1015136	12	1.60	15000	0.68	3.46	3.39	1.45	1.13	0.89
5/8	16	1015145	10	3.10	22600	0.78	4.25	4.00	1.77	1.34	1.20
3/4	20	1015154	1	6.39	35300	1.01	5.14	5.30	2.15	1.64	1.56
7/8	22	1015163	1	7.85	42700	1.09	5.46	5.78	2.27	1.97	1.55
1	26	1015172	1	11.05	59700	1.24	5.94	6.50	2.41	2.21	1.88
1-1/4	32	1015181	1	21.00	90400	1.56	7.43	7.60	3.07	2.57	2.22

4:1 Design Factor.

Spectrum 8®
Alloy Chain

- Finish – black paint.
- Permanently embossed with CG (Crosby Group) and 8 (Grade).
- Proof Tested at minimum 2 times the Working Load Limit with certification.
- Meets EN 818-2 for Grade 8 chain.

Grade 80 Alloy Chain Recommended for overhead lifting applications

Chain Size (in)	Chain Size (mm)	Stock No.	Feet Per Drum / Crate	Material Size (in)	Working Load Limit (lb)	Maximum Inside Length (in)	Maximum Inside Width (in)	Maximum Length 100 Links (in)	Weight Per 100 Feet (lb)
9/32 (1/4)	7	1245336	500	.276	3500	.87	.42	90	72
5/16	8	1245340	500	.343	4500	1.01	.49	100	114
3/8	10	1245344	500	.394	7100	1.23	.58	125	148
1/2	13	1245348	300	.512	12000	1.57	.77	164	243
5/8	16	1245352	200	.630	18100	1.93	.90	202	351
3/4	19/20	1245364	164	.787	28300	2.43	0.98	243	605
7/8	22	1245368	164	.882	34200	2.68	1.08	268	733
1	26	1245376	164	1.06	47700	3.16	1.28	316	1022
1-1/4	32	1245380	82	1.3	72300	3.89	1.57	389	1546

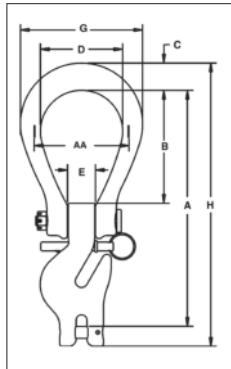
4:1 Design Factor.

Crosby provides two methods of attaching Spectrum 8® chain to Crosby fittings:

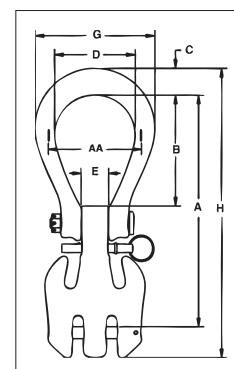


A-1361
Single Hook

- The Crosby Eliminator® combines selected features and functionality of a master link, connecting link, grab hook and adjuster legs to provide you with one fitting that is suitable for applications that require an adjustable length chain sling.
- Forged alloy steel — Quenched & Tempered.
- Innovative two piece design allows for maximum flexibility.
- Individually Proof Tested with certification.
- The Crosby Eliminator, with a properly installed and locked latch pin, can be used for personnel lifting applications and meets the intent of OSHA Rule 1926.1431(g)(1)(i)(A) and 1926.1501(g)(4)(iv)(B).
- Suitable for use with Grade 100 and Grade 80 chain.
- Engineered to accommodate optional locking pins that can be inserted to lock the shortened chain legs into place.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- Use the A-1361 and A-1362 in combination to make 3 leg chain slings.
- Load pin assembly instructions available.

APPLICATION AND WARNING INFORMATION
SECTION 17**Crosby 8/10™****Fatigue Rated™**

QUIC-CHECK®

QT**A-1361 Crosby Eliminator® Single Hook**

Chain Size		Frame Size	Working Load Limit (lb)	A-1361 Stock No.	L-1361 Stock No.	Weight Each (lb)	Dimensions (in)								S-4104N Replacement Latch Pin Stock No.
(in)	(mm)						A	B	C	D	E	G	H	AA	
1/4	7	2	4300	1049797	1049802	3.9	8.20	3.88	.90	3.00	.94	4.40	9.78	3.50	1092983
5/16	8	2	5700	1049804	1049809	3.9	8.18	3.88	.90	3.00	.94	4.40	9.78	3.50	1092983
3/8	10	3	8800	1049813	1049818	6.5	10.05	4.81	1.16	3.50	1.13	5.20	12.06	4.00	1092992
1/2	13	4	15000	1049822	1049827	13.5	12.88	6.00	1.63	4.13	1.31	6.39	15.57	5.00	1093001
5/8	16	5	22600	1049831	1049836	24.1	15.26	6.88	1.96	4.75	1.63	7.41	18.58	6.00	1093010

4:1 Design Factor. Proof tested at 2.5 times the Working Load Limit.

A-1362 Crosby Eliminator® Double Hook

Chain Size		Frame Size	Working Load Limit (lb)	A-1362 Stock No.	L-1362 Stock No.	Weight Each (lb)	Dimensions (in)								S-4104N Replacement Latch Pin Stock No.
(in)	(mm)						A	B	C	D	E	G	H	AA	
1/4	7	2	8600	1049859	1049913	4.7	8.20	3.88	.90	3.00	.94	4.40	10.10	3.50	1092983
5/16	8	2	11400	1049868	1049922	4.7	8.18	3.88	.90	3.00	.94	4.40	10.10	3.50	1092983
3/8	10	3	17600	1049877	1049931	8.1	10.05	4.81	1.16	3.50	1.13	5.20	12.56	4.00	1092992
1/2	13	4	30000	1049886	1049940	17.3	12.88	6.00	1.63	4.13	1.31	6.39	16.25	5.00	1093001
5/8	16	5	45200	1049895	1049949	31.5	15.26	6.88	1.96	4.75	1.63	7.41	19.33	6.00	1093010

4:1 Design Factor. Proof tested at 2.5 times the Working Load Limit.

Using Crosby ELIMINATOR® in 3 and 4 Leg Slings

Spectrum 10 Chain Size		Master Link A-342 Stock No.	Master Link A-1343 Stock No.	Crosby ELIMINATOR® Single A-1361 Stock No.	Crosby ELIMINATOR® Double A-1362 Stock No.
(in)	(mm)				
1/4	7	1014285	1247051	1049797	1049859
5/16	8	1014319	1247122	1049804	1049868
3/8	10	1014331	1247124	1049813	1049877
1/2	13	1014348	1247087	1049822	1049886
5/8	16	1014365	1247163	1049831	1049895

Use one of either A-342 or A-1343 master link.

Use one of each when making 3-leg sling.

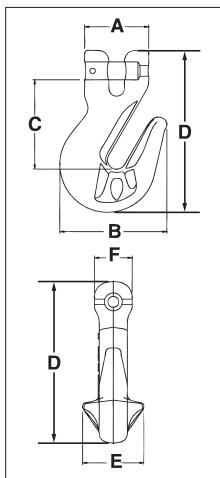
Use two A-1362 fittings when making quad leg sling.

A-1362
Double Hook

A -1338



- Forged alloy steel — Quenched & Tempered.
- Innovative cradle design allows for 100% efficiency of Grade 100 chain.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby.
- Suitable for use with Grade 100 and Grade 80 chain.
- The use of A-1338 Cradle Grab Hook will allow 100 percent of the chain sling capacity. When used to hook back to chain leg to form a choker, the angle of the choke must be 120 degrees or greater. When used as a chain shortener, minimize twist of chain and ensure chain is fully engaged in hook.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.



A/L-1338 Cradle Grab Hook

Chain Size (in)	Working Load Limit (lb)	A-1338 Stock No.	L-1338 Stock No.	Weight Each (lb)	Dimensions (in)						S-4338 Replacement Latch Kit Stock No.
					A	B	C	D	E	F	
1/4 7	4300	1049417	1049480	1.00	1.72	2.54	2.20	3.88	1.50	.88	1048426
5/16 8	5700	1049426	1049489	.99	1.72	2.54	2.18	3.88	1.50	.88	1048426
3/8 10	8800	1049435	1049498	1.80	1.85	3.09	2.58	4.69	1.83	1.09	1048435
1/2 13	15000	1049444	1049507	3.92	2.39	3.83	3.28	5.88	2.25	1.42	1048444
5/8 16	22600	1049453	1049516	7.00	2.67	4.52	3.85	7.03	2.94	1.75	1048453

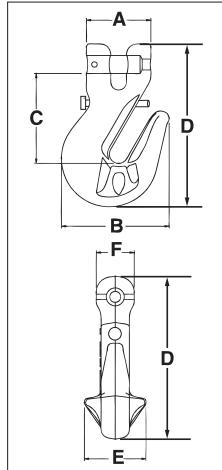
4:1 Design Factor.

L-1338



6

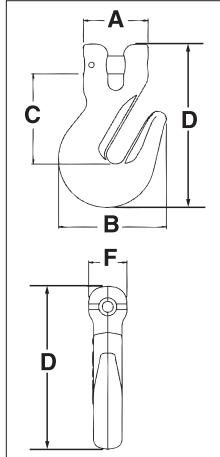
Crosby 8/10™ Fatigue Rated™ QUIC-CHECK® QT



A -1358



- Forged alloy steel — Quenched & Tempered.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby.
- Suitable for use with Grade 100 and Grade 80 chain.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.

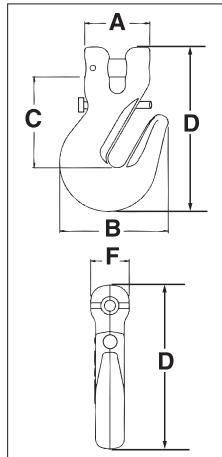


A/L-1358 Grab Hook

Chain Size (in)	Working Load Limit (lb)	A-1358 Stock No.	L-1358 Stock No.	Weight Each (lb)	Dimensions (in)						S-4338 Replacement Latch Kit Stock No.
					A	B	C	D	E	F	
1/4 7	4300	1049610	1049605	1.00	1.72	2.54	2.20	3.88	.88		1048426
5/16 8	5700	1049629	1049614	.99	1.72	2.54	2.18	3.88	.88		1048426
3/8 10	8800	1049638	1049623	1.80	1.85	3.09	2.58	4.69	1.09		1048435
1/2 13	15000	1049647	1049634	3.92	2.39	3.83	3.28	5.88	1.42		1048444
5/8 16	22600	1049656	1049643	7.00	2.67	4.52	3.85	7.03	1.75		1048453

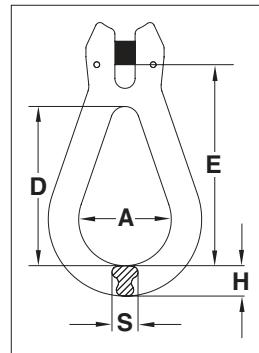
4:1 Design Factor.

L -1358



A-1370

- Forged alloy steel — Quenched & Tempered.
- Individually proof tested to 2.5 times the Working Load Limit.
- Proof test certification shipped with each link.
- Each link has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby in raised letters.
- Suitable for use with Grade 100 and Grade 80 chain.

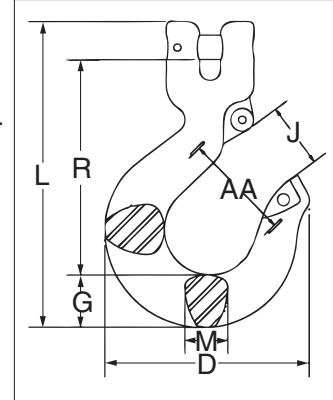

Crosby 8/10™ QT
A-1370 Reaving Link

Chain Size		Working Load Limit (lb)	Stock No.	Weight Each (lb)	Dimensions (in)				
(in)	(mm)				A	D	E	H	S
1/4-5/16	7-8	5700	1012000	0.57	1.54	2.66	3.54	0.63	0.39
3/8	10	8800	1012009	1.10	1.93	3.37	4.25	0.67	0.55
1/2	13	15000	1012018	2.43	2.46	4.25	5.43	0.83	0.71
5/8	16	22600	1012027	5.62	3.11	5.47	7.09	1.20	1.00

4:1 Design Factor.

L-1339

- Forged alloy steel — Quenched & Tempered.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby.
- Hoist hooks incorporate QUIC-CHECK® deformation and angle indicators.
- Low profile hook tip.
- New integrated latch (S-4320/S-4339) meets the world standard for lifting.
 - Heavy duty stamped latch interlocks with the hook tip.
 - High cycle, long life spring.
 - When secured with the proper cotter pin through the hole in the tip of hook, meets the intent of OSHA Rule 1926.1431(g) and 1926.1501(g) for personnel lifting.
- Suitable for use with Grade 100 and Grade 80 chain.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.

**L-1339 Clevis Sling Hook**

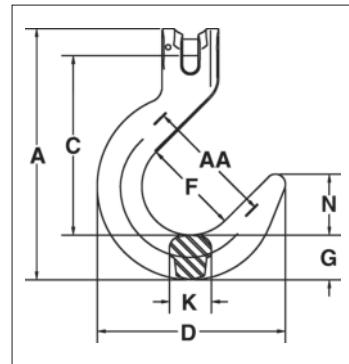
Chain Size		Working Load Limit (lb)	Hook ID Code	Stock No.	Weight Each (lb)	Dimensions (in)							S-4320 Repl. Latch Stock No.	S-4339 Repl. Latch Stock No.
(in)	(mm)					D	G	J	L	M	R	AA		
-	6	3200	DA	1049103	0.64	2.86	0.73	0.93	4.21	0.63	2.95	1.50	1096325	-
1/4	7	4300	HA	1049112	1.58	3.86	1.04	1.19	5.67	0.75	3.97	2.00	1096468	-
5/16	8	5700	HA	1049121	1.57	3.86	1.04	1.19	5.67	0.75	3.95	2.00	1096468	-
3/8	10	8800	IA	1049130	2.58	4.38	1.19	1.53	6.75	1.00	4.71	2.50	1096515	-
1/2	13	15000	JA	1049149	5.28	5.60	1.44	1.78	8.38	1.17	5.89	3.00	1096562	-
5/8	16	22600	KA	1049158	9.81	6.76	1.89	2.41	10.21	1.44	6.97	4.00	1096609	-
3/4	18-20	35300	-	1049167	18.3	8.31	2.83	2.69	13.07	1.97	8.00	4.50	-	1048714
7/8*	22-23*	44100	-	1049176	24.6	9.17	3.07	3.05	13.98	1.97	8.76	5.00	-	1048732

4:1 Design Factor.

*7/8 in (22-23 mm) size does not have cam, latch attaches to unique pin.

A-1359


- Forged alloy steel — Quenched & Tempered.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby.
- Suitable for use with Grade 100 and Grade 80 chain.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Hook can be tip loaded at the reduced Working Load Limit, see below.
- Operator must ensure the load is retained properly in the hook.

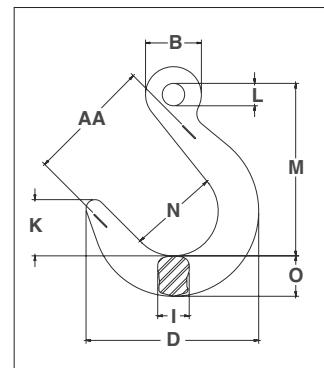

A-1359 Clevis Foundry Hook

Chain Size		Stock No.	Working Load Limit at Saddle of Hook (lb)	Working Load Limit at Tip of Hook (lb)	Weight Each (lb)	Dimensions (in)							
(in)	(mm)					A	C	D	F	G	K	N	Deformation Indicators AA
1/4	7	1049907	4300	2150	2.15	6.26	4.38	4.82	2.50	1.13	0.88	1.57	3.50
5/16	8	1049911	5700	2850	2.06	6.26	4.37	4.82	2.50	1.13	0.88	1.57	3.50
3/8	10	1049916	8800	4400	4.29	7.76	5.54	5.82	3.00	1.38	1.30	1.88	4.00
1/2	13	1049925	15000	7500	7.97	9.38	6.67	7.04	3.50	1.63	1.50	2.25	4.50
5/8	16	1049934	22600	11300	14.2	11.25	7.68	8.17	4.00	2.19	1.75	2.53	5.00
3/4	18-20	1049943	35300	17650	24.7	14.43	9.79	9.65	5.00	2.40	2.20	3.39	6.00
7/8	22-23	1049952	44100	22050	43.8	16.25	11.02	11.03	5.50	3.07	2.72	3.74	6.50

4:1 Design Factor.

A-1329


- Forged alloy steel — Quenched & Tempered.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby.
- Suitable for use with Grade 100 and Grade 80 chain.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.
- Hook can be tip loaded at the reduced Working Load Limit, see below.
- Operator must ensure the load is retained properly in the hook.


A-1329 Eye Foundry Hook

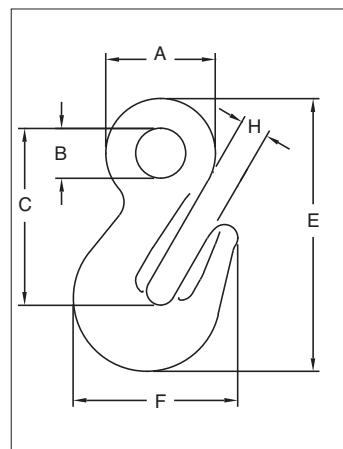
Chain Size		Stock No.	Working Load Limit at Saddle of Hook (lb)	Working Load Limit at Tip of Hook (lb)	Weight Each (lb)	Dimensions (in)								
(in)	(mm)					B	D	I	K	L	M	N	O	Deformation Indicators AA
1/4 - 5/16	7-8	1026280	5700	2850	2.00	1.56	4.82	.88	1.57	.63	4.81	2.50	1.13	3.50
3/8	10	1026289	8800	4400	3.80	2.07	5.82	1.30	1.88	.81	5.50	3.00	1.38	4.00
1/2	13	1026297	15000	7500	7.20	2.53	7.04	1.50	2.25	1.03	7.11	3.50	1.63	4.50
5/8	16	1026306	22600	11300	12.3	3.00	8.17	1.75	2.53	1.25	7.96	4.00	2.19	5.00
3/4	18-20	1026315	35300	17650	23.0	4.13	9.65	2.20	3.39	1.97	10.75	5.00	2.40	6.50
7/8	22-23	1026324	44100	22050	40.6	4.77	11.03	2.72	3.74	2.28	12.25	5.50	3.07	7.00
1	26	1026333	59700	29850	51.7	5.33	11.90	2.83	3.93	2.56	13.37	6.00	3.31	7.50
1 1/4	32	1026342	90400	45200	84.4	6.61	13.25	3.50	4.33	3.15	15.25	6.50	3.84	8.00

4:1 Design Factor.

A-1328



- Forged alloy steel — Quenched & Tempered.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby.
- Suitable for use with Grade 100 and Grade 80 chain.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.



Crosby 8/10™

Fatigue Rated

QUIC-CHECK®

QT

A-1328 Eye Grab Hook

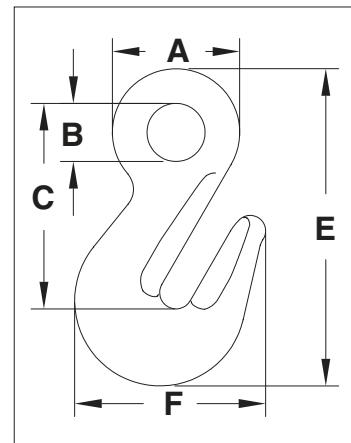
Chain Size		Working Load Limit (lb)	Stock No.	Weight Each (lb)	Dimensions (in)					
(in)	(mm)				A	B	C	E	F	H
1/4 - 5/16	7 - 8	5700	1026169	.98	1.75	.75	2.79	4.29	2.57	.44
3/8	10	8800	1026187	1.6	2.06	.94	3.33	5.13	3.09	.53
1/2	13	15000	1026196	3.3	2.56	1.12	4.11	6.38	3.83	.66
5/8	16	22600	1026205	6.0	3.07	1.31	4.91	7.62	4.53	.79
3/4	19-20	35300	1026214	10.0	3.25	1.50	5.41	8.76	6.00	.94
7/8	22-23	44100	1026223	13.1	3.94	1.81	6.48	10.10	6.53	1.09
1	26	59700	1026232	18.9	4.44	2.00	7.22	11.45	7.75	1.19
1 1/4	32	90400	1026241	39.4	5.64	2.38	9.08	14.59	9.50	1.50

4:1 Design Factor.

A-1348



- Forged alloy steel — Quenched & Tempered.
- The use of A-1348 Cradle Grab Hook will allow 100% percent of the chain sling capacity. When used to hook back to chain leg to form a choker, the angle of the choke must be 120 degrees or greater. When used as a chain shortener, minimize twist of chain and ensure chain is fully engaged in hook.
- Innovative cradle design allows for 100% efficiency of Grade 100 chain.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby in raised letters.
- Suitable for use with Grade 100 and Grade 80 chain.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.



Crosby 8/10™

QT

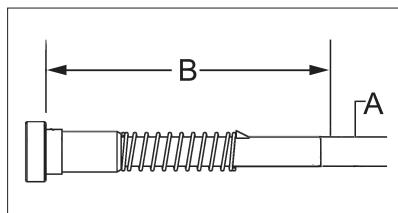
A-1348 Eye Cradle Grab Hook

Chain Size		Working Load Limit (lb)	Stock No.	Weight Each (lb)	Dimensions (in)				
(in)	(mm)				A	B	C	E	F
1/4-5/16	7-8	5700	1026200	0.77	1.43	0.65	2.52	3.87	2.29
3/8	10	8800	1026209	1.41	1.95	1.02	3.07	4.72	2.71
1/2	13	15000	1026218	1.92	2.44	1.14	3.82	5.75	3.24
5/8	16	22600	1026227	6.24	3.11	1.42	4.98	7.72	4.40

4:1 Design Factor.



- Latch Kits shipped unassembled and individually packaged with instructions.
- For use only with Crosby L-1338 and L-1358 Grab Hooks.



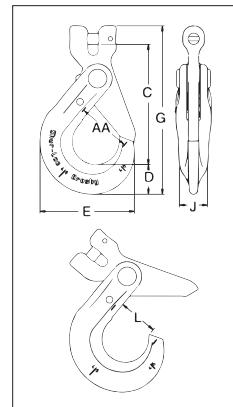
S-4338 Grab Hook Latch Kits

Hook Size		Stock No.	Weight Each (lb)	Dimensions (in)	
(in)	(mm)			A	B
1/4	7	1048426	.02	.18	1.59
5/16	8				
3/8	10	1048435	.02	.18	1.78
1/2	13	1048444	.04	.25	2.25
5/8	16	1048453	.07	.31	2.59

APPLICATION AND WARNING INFORMATION
SECTION 17



- Forged alloy steel — Quenched & Tempered.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Recessed trigger design is flush with the hook body, protecting the trigger from potential damage.
 - Easy to operate with enlarged thumb access.
- Positive Lock Latch is self-locking when hook is loaded.
- Eye style is designed with engineered flat to connect to S-1325 chain coupler.
- Suitable for use with Grade 100 and Grade 80 chain.
- The SHUR-LOC® hook, if properly installed and locked, can be used for personnel lifting applications and meets the intent of OSHA Rule 1926.1431(g) (1)(i)(A) and 1926.1501(g)(4)(iv)(B).
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.



Crosby 8/10™

QT

APPLICATION AND WARNING INFORMATION
SECTION 17

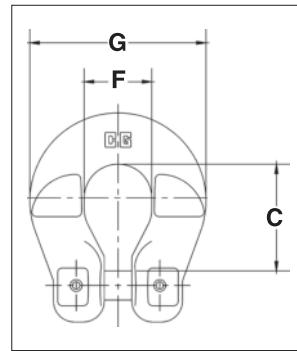
S-1317 Clevis Hook

Chain Size		Working Load Limit (lb)	Stock No.	Weight Each (lb)	Dimensions (in)						
(in)	(mm)				C	D	E	G	J	L	AA
-	6	3200	1028991	.77	3.44	.79	2.60	4.75	.63	1.16	1.50
1/4	7	4300	1029000	1.80	4.48	1.10	3.51	6.25	.81	1.48	2.00
5/16	8	5700	1029009	1.80	4.47	1.10	3.51	6.25	.81	1.48	2.00
3/8	10	8800	1029018	3.66	5.53	1.17	4.39	7.54	.94	1.83	2.50
1/2	13	15000	1029027	6.80	6.81	1.67	5.49	9.52	1.16	2.22	3.00
5/8	16	22600	1029036	11.9	8.22	2.04	6.55	11.61	1.50	2.65	3.50
3/4	18-20	35300	1029071	15.0	9.42	2.22	7.76	13.21	2.03	3.52	5.00
7/8	22	42700	1029080	28.0	11.14	2.45	8.75	15.45	2.20	3.83	6.00
1	26	59700	1029089	49.5	12.56	3.21	9.87	18.44	2.68	4.09	6.50

4:1 Design Factor.

S-1325A

- Forged alloy steel — Quenched & Tempered.
- Designed to connect Grade 100 chain fittings produced with engineered flat to Grade 100 chain.
- Suitable for use with Grade 100 and Grade 80 chain.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Locking system that provides for simple assembly and disassembly – no special tools required.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.

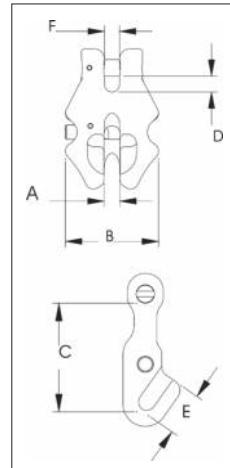
**Crosby 8/10™****Fatigue Rated™****QT****S-1325A Grade 100 Chain Coupler**

Chain Size		Stock No.	Working Load Limit (lb)	Weight Each (lb)	Dimensions (in)		
(in)	(mm)				C	F	G
-	6	1098496	3200	.25	1.03	.74	1.74
1/4	7	1098500	4300	.50	1.41	.88	2.32
5/16	8	1098504	5700	.50	1.40	.88	2.32
3/8	10	1098508	8800	.80	1.84	1.18	2.72
1/2	13	1098512	15000	1.70	2.12	1.50	3.62
5/8	16	1098516	22600	1.90	2.84	1.96	4.40

4:1 Design Factor.

S-1311N

- Forged alloy steel - Quenched & Tempered.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Suitable for use with Grade 100 and Grade 80 chain.
- Spring loaded chain locking system keeps chain in place under slack conditions.
- The use of S-1311N Chain Shortener will allow 100 percent of the chain sling capacity.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.

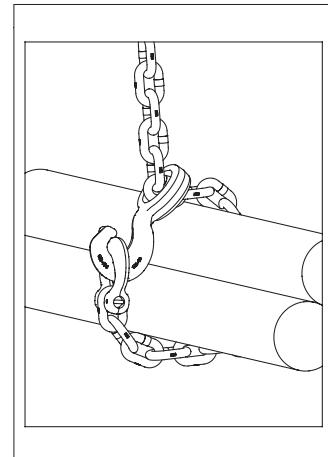
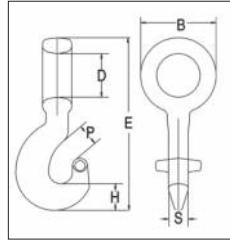
**Crosby 8/10™****Fatigue Rated™****QT****S-1311N Grade 100 Chain Shortener Link**

Chain Size		Stock No.	Working Load Limit (lb)	Weight Each (lb)	Dimensions (in)					
(in)	(mm)				A	B	C	D	E	F
-	6	1017860	3200	.49	.30	1.76	1.83	.29	.76	.29
1/4	7	1017869	4300	.84	.34	2.04	2.17	.34	.88	.33
5/16	8	1017878	5700	1.22	.40	2.36	2.53	.39	1.01	.38
3/8	10	1017897	8800	2.03	.48	2.84	3.07	.48	1.23	.46
1/2	13	1017906	15000	4.31	.62	3.56	3.77	.61	1.57	.59
5/8	16	1017915	22600	7.20	.73	4.24	4.64	.73	1.91	.70

4:1 Design Factor.

A-1355


- Forged alloy steel - Quenched & Tempered.
- Individually Proof Tested with certification.
- Rated for Grade 100 chain in choker applications.
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- For use with S-1325 Chain Coupler Link.

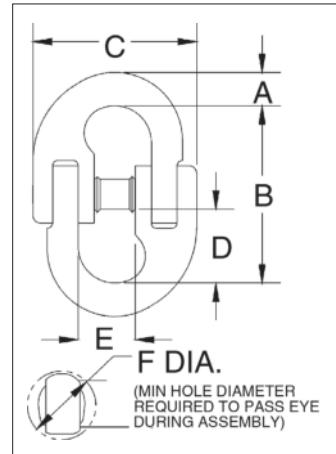

Crosby 8/10™
Fatigue Rated
QT
6
A-1355 Chain Choker Hook


Grade 100 Alloy Chain Size		Working Load Limit (lb)	Stock No.	Weight Each (lb)	Dimensions (in)					
(in)	(mm)				B	D	E	H	P	S
1/4-5/16	7-8	5700	1015204	.77	2.05	1.18	4.83	.79	.69	.65
3/8	10	8800	1015213	1.65	2.66	1.57	6.07	.93	.93	.69
1/2	13	15000	1015222	3.14	3.35	2.03	7.61	1.18	1.26	.94
5/8	16	22600	1015231	6.97	4.21	2.52	9.68	1.54	1.12	1.18

4:1 Design Factor.

A-336


- Forged alloy steel - Quenched & Tempered.
- Individually Proof Tested at 2-1/2 times the Working Load Limit with certification.
- The Working Load Limit of the A-336 is less than Grade 80 chain ratings. When using in Grade 80 chain slings, ASME B30.9c requires that the Working Load Limit of a sling must not exceed the lowest Working Load Limit of the components in the system.


QT

APPLICATION AND WARNING INFORMATION SECTION 17

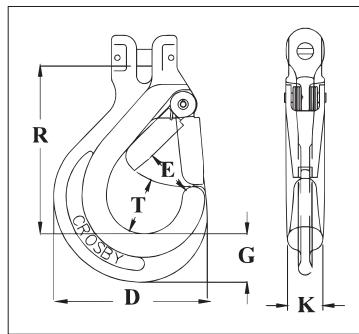
A-336 LOK-A-LOY® 6 Connecting Link

Chain Size (in)	Stock No.	Working Load Limit (lb)	Weight Each (lb)	Dimensions (in)					Diameter of Hole to Accept Link (in)
				A	B	C	D	E	
1/4	1014397	3250	.24	.31	2.06	1.69	.78	.78	.50
3/8	1014413	6600	.58	.45	2.72	2.31	1.06	1.09	.66
1/2	1014431	11300	1.20	.58	3.34	3.16	1.28	1.41	.88
5/8	1014459	16500	2.42	.78	3.91	3.94	1.56	1.69	1.06
3/4	1014477	23000	3.89	.89	4.84	4.44	1.97	2.00	1.19
7/8	1014495	28750	6.08	1.00	5.81	5.31	2.38	2.12	1.38
1	1014510	38750	7.03	1.08	6.48	6.07	2.84	2.55	1.47
1-1/4	1014538	57500	13.20	1.38	8.48	7.65	3.77	3.77	1.73

4:1 Design Factor.

S-314A

- Forged alloy steel - Quenched & Tempered.
- Individually Proof Tested at 2-1/2 times the Working Load Limit with certification.
- Integrated heavy duty latch.
- Meets ASTM A-952 for Grade 80 chain fittings.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.

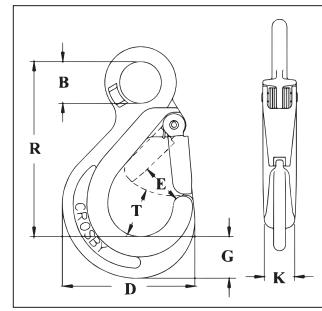
**S-314A Clevis Chain Hook with Integrated Latch****Fatigue Rated****QT**
QUENCHED & TEMPERED

Chain Size		Stock No.	Grade 8 Alloy Chain Working Load Limit (lb)	Weight Each (lb)	Dimensions (in)						Replacement Latch Stock No.
(in)	(mm)				D	E	G	K	R	T	
-	6	1225020	2500	.69	2.60	.81	.79	.63	2.84	1.02	1291332
1/4 - 5/16	7 - 8	1225021	4500	1.53	3.50	1.08	1.10	.81	3.83	1.28	1291402
3/8	10	1225091	7100	2.84	4.35	1.42	1.16	.94	4.92	1.66	1291472
1/2	13	1225161	12000	5.17	5.45	1.52	1.67	1.16	5.64	1.94	1291542
5/8	16	1225162	18100	9.00	6.56	1.91	2.05	1.50	6.79	2.32	1291612

4:1 Design Factor.

S-315A

- Forged alloy steel - Quenched & Tempered.
- Individually Proof Tested at 2-1/2 times the Working Load Limit with certification.
- Crosby recommends grinding the WLL (which is 5:1 Design Factor) off the hook when using with Grade 80 chain.
- Integrated heavy duty latch.
- Engineered flat for use with S-1325A Coupler Link.
- Meets ASTM A-952 for Grade 80 chain fittings.
- Fatigue rated to 20,000 cycles at 1-1/2 times the Working Load Limit.

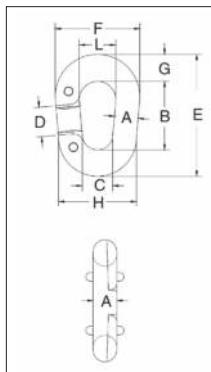
**S-315A Eye Chain Hook with Integrated Latch****Fatigue Rated****QT**
QUENCHED & TEMPERED

Chain Size		Stock No.	Grade 80 Alloy Chain Working Load Limit (lb)	Working Load Limit for Wire Rope (short Tons)	Weight Each (lb)	Dimensions (in)						Replacement Latch Stock No.
(in)	(mm)					B	D	E	G	K	R	
-	6	1029820	2500	1	.56	.79	2.60	.81	.79	.63	3.33	1.02
1/4 - 5/16	7 - 8	1029825	4500	2	1.31	1.10	3.50	1.08	1.10	.81	4.62	1.28
3/8	10	1029830	7100	3	2.60	1.42	4.35	1.42	1.16	.94	6.20	1.66
1/2	13	1029835	12000	5	4.70	1.81	5.45	1.52	1.67	1.16	7.33	1.94
5/8	16	1029840	18100	7	8.55	2.20	6.56	1.91	2.05	1.50	8.94	2.32

4:1 Design Factor for Grade 80 Alloy Chain, 5:1 Design Factor for wire rope.

G-334

- Forged steel - Quenched & Tempered.
- Has larger inside dimensions making it easier to attach hooks or other fittings to the chain.
- An exclusive Crosby product.
- After making connections, rivets must be peened.
- Not suitable for use with Grade 80 or Grade 100 chain and chain slings used in overhead lifting.

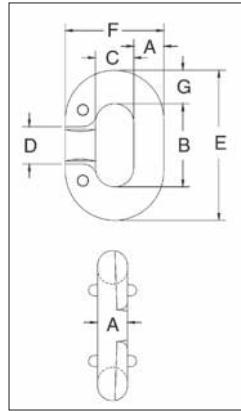
**G-334 Pear Shape "Missing Link"® Replacement Links****QT**
QUENCHED & TEMPERED

Chain Size (in)	Stock No.	Working Load Limit (lb)	Weight Per 100 (lb)	Dimensions (in)							
				A	B	C	D	E	F	G	H
3/8	1013432	1850	25.00	.41	2.00	.56	.81	2.94	1.63	.47	1.38
1/2	1013450	3300	50.00	.50	2.50	.69	1.00	3.63	2.00	.56	1.69
5/8	1013478	5000	75.00	.63	2.75	.81	1.06	4.00	2.38	.63	2.06
3/4	1013496	7100	125.00	.75	3.13	1.00	1.13	4.75	2.75	.81	2.50
7/8	1013511	9600	200.00	.88	3.69	1.25	1.38	5.56	3.25	.94	3.00

4:1 Design Factor.

G-335


- Forged steel - Quenched & Tempered.
- Integral rivets join the two halves.
- After making connections, rivets must be peened.
- All sizes have countersunk rivet holes.
- Meets or exceeds the performance requirements of Federal Specifications RR-C-271G, Type II, except for those provisions required of the contractor.
- Not suitable for use with Grade 80 or Grade 100 chain and chain slings used in overhead lifting.



G-335 "Missing Link"® Replacement Links

Chain Size (in)	Stock No.	Working Load Limit (lb)	Links Per Box	Weight Per 100 (lb)	Dimensions (in)						
					A	B	C	D	E	F	G
*1/4	1013110	1325	10	6.25	.28	.88	.44	.44	1.50	1.00	.31
*5/16	1013138	1950	10	12.50	.34	.94	.47	.47	1.69	1.16	.38
3/8	1013156	2750	10	20.00	.41	1.13	.56	.56	2.06	1.38	.47
7/16	1013174	3625	10	27.50	.47	1.28	.59	.59	2.34	1.53	.53
1/2	1013192	4750	10	37.50	.53	1.47	.66	.66	2.66	1.72	.59
5/8	1013236	7250	10	72.50	.66	1.81	.78	.81	3.31	2.09	.75
3/4	1013254	10250	10	122.50	.78	2.13	.94	1.06	3.88	2.50	.88
7/8	1013272	12000	Bulk	175.00	.91	2.50	1.13	1.13	4.50	2.94	1.00
† 1	1013290	15500	Bulk	250.00	1.03	2.75	1.25	1.25	5.00	3.31	1.13

4:1 Design Factor. *Rivets Only - No interlocking lugs. †Has reinforced rivet holes.

SLING IDENTIFICATION TAG KITS



Stamped ID Tags

- Heavy duty, pre-stamped, zinc-plated metal tag.
- 4-1/8" x 1-7/16" tag dimensions.
- 2-1/2" diameter metal attaching ring.
- Tag pre-stamped for simple inclusion of sling type, Working Load Limit, reach, serial number, chain size and grade.

ID Tags

- Heavy Duty tags.
- 1-5/16" diameter ring opening (will fit 1/4" - 5/8" A-1337).
- Chain tags meet requirements of ASME B30.9 for Sling Identification.
- Raised edge and recessed pads to protect lettering.
- Raised lettering for quick reference.

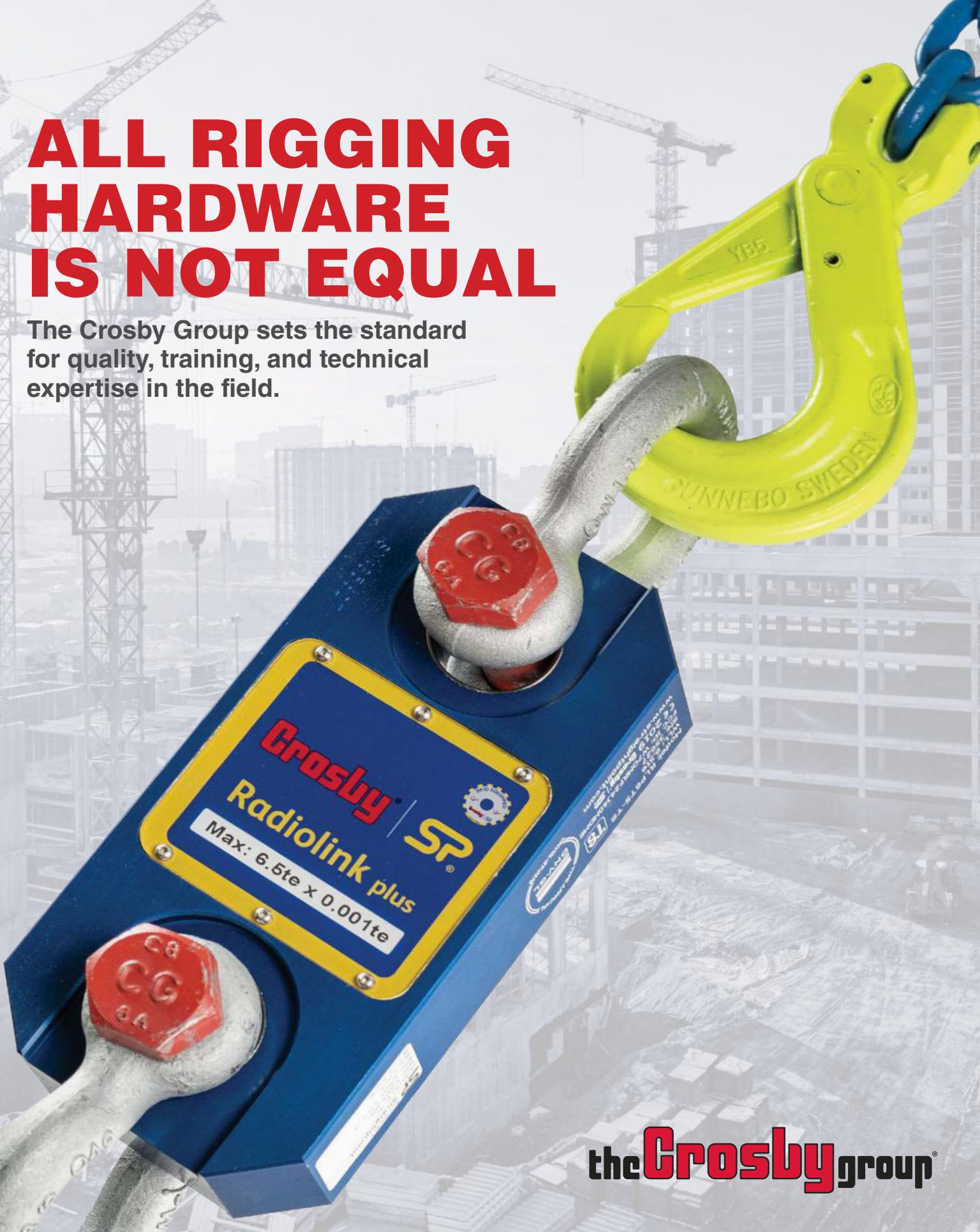
Operating Frequency: 13.5MHz

ID Tag Stock No.	Carton Qty.	Weight Per Carton (lb)
115244	50	10.55

Stock No.	Style	Material Type	RFID Equipped	Tag Size (in)	Weight Each (lb)
115369	Chain	Cast Stainless Steel	Yes	6-5/16 x 1-5/8	.46
115350	Wire Rope	Cast Stainless Steel	Yes	1-11/16 x 1-5/16	.07
115217	Chain	Forged Steel	No	5-3/4 x 1-7/8	.40
115353	Chain	Stamped Zinc Plated Steel	Yes	5-3/4 x 1-5/8	.29
115355	Wire Rope	Stamped Zinc Plated Steel	Yes	1-11/16 x 1-5/16	.04
1224692	Zip Tie	High Crystalline Polyamide	Yes	7.625	.05

ALL RIGGING HARDWARE IS NOT EQUAL

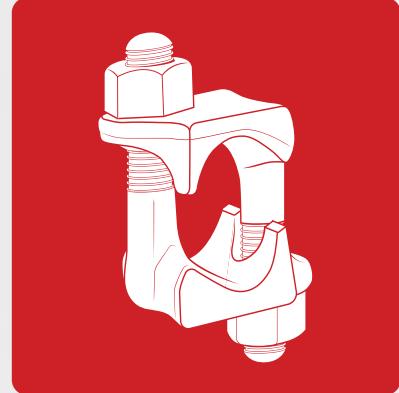
The Crosby Group sets the standard for quality, training, and technical expertise in the field.



the **Crosby** group®

WIRE ROPE END FITTINGS

A full line of forged fittings and accessories for wire rope applications.



theCrosbygroup®

thecrosbygroup.com

WIRE ROPE END FITTINGS

FORGED FOR CRITICAL APPLICATIONS

The proper performance of forged clips depends on proper manufacturing practices that include good forging techniques and accurate machining. Forged clips provide a greater rope bearing surface and more consistent strength than malleable cast iron clips. Fist Grip clips provide a saddle for both the "live" and the "dead" end. Fewer forged clips are required for each termination than with malleable cast iron clips. Forged clips reduce the possibility of hidden defects that are sometimes present in malleable cast iron clips. Malleable cast iron clips should only be used in non-critical applications. ASME, OSHA, and ASTM recommend only forged clips for critical applications.

Questions to ask your rigging provider

Is the clip forged?

Is an adequate cradle provided in the clip base for the wire rope?

Malleable cast iron clips are sometimes improperly used as replacements for forged clips.

Why choose Crosby

Crosby provides forged "Red" U-Bolt® Clips and forged Fist Grip clips which meet or exceed Federal Specification Number FF-C-450E and are considered the industry standard.

FULL LINE

The proper application of forged clips requires that the correct type, size, number, and installation instructions be used (See APPLICATION INFORMATION below for more information). Availability of a full range of sizes of forged U-bolt clips and forged Fist Grip clips are essential for design flexibility.

Questions to ask your rigging provider

Do they have both Fist Grip and U-bolt clips available?

Do they have a full range of forged wire rope clip sizes?

Malleable No competitor has the full line of forged U-bolt clips and Fist Grip clips that Crosby has.

Why choose Crosby

Only Crosby provides forged "Red" U-Bolt® Clips from 1-1/8" to 3-1/2" and forged Fist Grip clips from 3/16" to 1-1/2".

* The 3-1/2" base is a steel casting.

IDENTIFICATION

The clip's size, manufacturer's logo, and a traceability code should be clearly embossed in the forging of the clip. These three elements are essential in developing total confidence in the product.

Questions to ask your rigging provider

Is the manufacturer's name and size of clip clearly marked?

Do they have a traceability system that is actively used in the manufacturing process?

Most do not have a traceability system.

Why choose Crosby

Crosby clearly embosses its logo, the size, and the Product Identification Code (PIC) into all Crosby "Red" U-bolt® Clip bases and Fist Grip clips. Crosby's traceability system is actively used throughout the manufacturing of forged clips. The material analysis for each heat of steel is verified within our own laboratory.

APPLICATION INFORMATION

Detailed application information will assist you in the proper installation of wire rope clips. This information is most effective when provided at the point of application, as well as in supporting brochures and engineering information. The manufacturer must provide this specific information. Generic information will not provide all the needed application instructions. A formal application and warning system that attracts the attention of the user, clearly informs the user of the factors involved in the task, and informs the user with the proper application procedures as needed.

Questions to ask your rigging provider

Does each clip have the application and warning information?

Most competitors do not have application and warnings information with each clip.

Why choose Crosby

Crosby provides detailed application and warning information for all forged clips. Each clip is individually bagged or tagged with the application and warning information. Testing and evaluation of special applications can be performed upon special request.

CROSBY VALUE ADDED

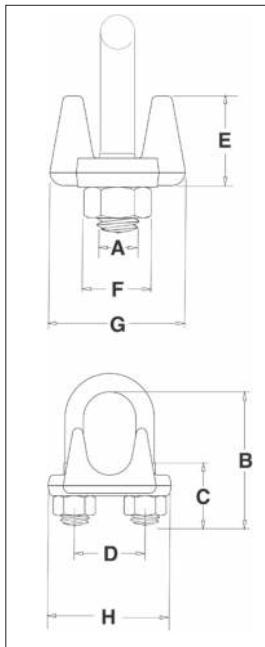
- Full line:** Crosby provides both forged Red U-Bolt Clips and forged Fist Grip Clips.
- Forged:** Crosby Red U-Bolt Clips have forged bases on all sizes, except 2-3/4" and 3-1/2" base is a steel casting. The entire clip is galvanized to resist corrosive and rusting action. Clip sizes 1/8" through 1-1/2" have U-Bolts with rolled threads which enhance the strength of the material and fatigue properties.
- Forged:** Fist Grip Clips are forged, and the entire clip is galvanized. The double saddle design eliminates the possibility of incorrect installation. Designed as an integral part of the clip, the bolts are opposite one another (see G-429 example below). As result, the nuts can be installed in such a way as to enable the operator to swing the wrench in a full arc for ease of installation.
- Application information:** Application and warning information is available for both Crosby Red U-Bolt Clips and Fist Grip Clips. The Crosby Warning System is designed to attract the attention of the user, clearly inform the user of the factors involved in the task, and provide the user with proper application procedures. Each Crosby Red U-Bolt Clip and Fist Grip Clip is either bagged or tagged with appropriate application and warning information, thus ensuring that the information is available at the point of application for each and every clip during installation.
- Material analysis:** Crosby can provide certified material (mill) analysis for each production lot, traceable by the Product Identification Code (PIC). Crosby, through its own laboratory, verifies the analysis of each heat of steel.
- Testing:** Crosby periodically audits the termination efficiencies of the Red U-Bolt Clips and Fist Grip Clips. Upon special request, Crosby will determine the efficiencies of clip assemblies when applied to special rope constructions and special applications.

G-450**G-429****S-421T****S-423T****G-416****G-417****S-409****S-505****S-501****S-502****G-411**

G-450
Red U-Bolt® Clip



- Each base has a Product Identification Code (PIC) for material traceability, the name Crosby or "CG," and a size forged into it.
- Based on the catalog breaking strength of wire rope, Crosby wire rope clips have an efficiency rating of 80% for 1/8" through 7/8" sizes, and 90% for sizes 1" through 3-1/2".
- Entire clip is galvanized to resist corrosive and rusting action.
- Sizes 1/8" through 2-1/2" and 3" have forged bases.
- All clips are individually bagged or tagged with proper application instructions and warning information.
- Clip sizes up through 1-1/2" have rolled threads.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these wire rope clips meet other critical performance requirements, including fatigue life, impact properties, and material traceability not addressed by ASME B30.26.
- Look for the Red U-Bolt®, your assurance of genuine Crosby Clips.



G-450 Crosby Clips

APPLICATION AND WARNING INFORMATION
SECTION 17

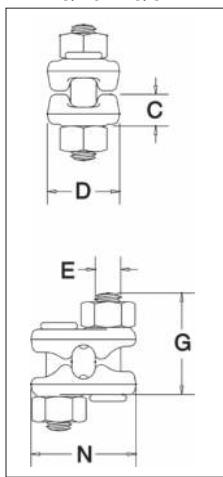
Rope Size		Stock No.	Std. Package Qty.	Weight Per 100 (lb)	Dimensions (in)							
(in)	(mm)				A	B	C	D	E	F	G	H
1/8	3-4*	1010015	100	6	.22	.72	.44	.47	.37	.38	.81	.99
3/16*	5*	1010033	100	10	.25	.97	.56	.59	.50	.44	.94	1.18
1/4	6-7	1010051	100	19	.31	1.03	.50	.75	.66	.56	1.19	1.43
5/16	8	1010079	100	28	.38	1.38	.75	.88	.73	.69	1.31	1.66
3/8	9-10	1010097	100	48	.44	1.50	.75	1.00	.91	.75	1.63	1.94
7/16 - 1/2	11-13	1010131	50	80	.50	1.88	1.00	1.19	1.13	.88	1.91	2.28
9/16 - 5/8	14-16	1010177	50	110	.56	2.25	1.25	1.31	1.34	.94	2.06	2.50
3/4	18-20	1010195	25	142	.62	2.75	1.44	1.50	1.39	1.06	2.25	2.84
7/8	22	1010211	25	212	.75	3.12	1.62	1.75	1.58	1.25	2.44	3.16
1	24-26	1010239	10	252	.75	3.50	1.81	1.88	1.77	1.25	2.63	3.47
1-1/8	28-30	1010257	10	283	.75	3.88	2.00	2.00	1.91	1.25	2.81	3.59
1-1/4	32-34	1010275	10	438	.88	4.44	2.22	2.34	2.17	1.44	3.13	4.13
1-3/8	36	1010293	10	442	.88	4.44	2.22	2.34	2.31	1.44	3.13	4.19
1-1/2	38	1010319	10	544	.88	4.94	2.38	2.59	2.44	1.44	3.41	4.44
1-5/8	41-42	1010337	Bulk	704	1.00	5.31	2.62	2.75	2.66	1.63	3.63	4.75
1-3/4	44-46	1010355	Bulk	934	1.13	5.75	2.75	3.06	2.92	1.81	3.81	5.24
2	48-52	1010373	Bulk	1300	1.25	6.44	3.00	3.38	3.03	2.00	4.44	5.88
2-1/4	56-58	1010391	Bulk	1600	1.25	7.13	3.19	3.88	3.19	2.00	4.56	6.38
2-1/2	62-65	1010417	Bulk	1900	1.25	7.69	3.44	4.13	3.69	2.00	4.69	6.63
** 2-3/4	** 68-72	1010435	Bulk	2300	1.25	8.31	3.56	4.38	4.88	2.00	5.00	6.88
3	75-78	1010453	Bulk	3100	1.50	9.19	3.88	4.75	4.44	2.38	5.31	7.61
** 3-1/2	** 85-90	1010462	Bulk	4000	1.50	10.75	4.50	5.50	6.00	2.38	6.19	8.38

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

G-429

 Fist Grip®, Clip
3/16" - 5/8"


3/16" - 5/8"



- Entire clip is galvanized to resist corrosive and rusting action.
- Based on the catalog breaking strength of wire rope, Crosby wire rope clips have an efficiency rating of 80% for 3/16" through 7/8" sizes, and 90% for sizes 1" through 1-1/2".
- Bolts are an integral part of the saddle. Nuts can be installed in such a way as to enable the operator to swing the wrench in a full arc for fast installation.
- All sizes have forged steel saddles.
- All Clips are individually bagged or tagged with proper application instructions and warning information.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these wire rope clips meet other critical performance requirements, including fatigue life, impact properties, and material traceability not addressed by ASME B30.26.
- Assembled with standard heavy hex nuts.

G-429 Fist Grip® Clips

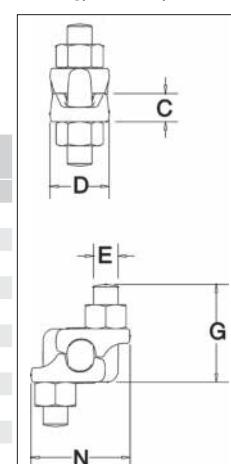
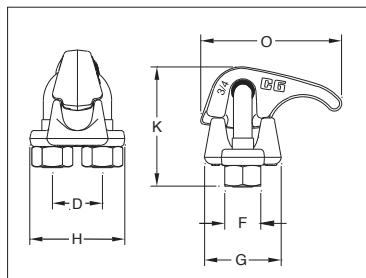
Rope Size (in)*	(mm)	Stock No.	Std. Package Qty.	Weight Per 100 (lb)	Dimensions (in)				
					C	D	E	G	N
3/16 - 1/4	5-7	1010471	100	23	.40	.94	.38	1.41	1.44
5/16	8	1010499	100	28	.47	1.06	.38	1.50	1.54
3/8	10	1010514	50	40	.51	1.06	.44	1.84	1.78
7/16 - 1/2	11-13	1010532	50	62	.59	1.25	.50	2.21	2.15
9/16 - 5/8	14-16	1010550	50	103	.72	1.50	.63	2.72	2.57
3/4	18-20	1010578	25	175	.86	1.81	.75	2.94	2.67
7/8	22	1010596	25	225	.97	2.12	.75	3.31	2.86
1	24-26	1010612	10	300	1.13	2.25	.75	3.72	3.06
1-1/8	28-30	1010630	10	400	1.28	2.38	.88	4.22	3.44
1-1/4	32-34	1010658	10	400	1.34	2.50	.88	4.25	3.56
1-3/8 - 1-1/2	36-40	1010676	Bulk	700	1.56	3.00	1.00	5.56	4.12

* Sizes through 5/8" incorporate new style design.

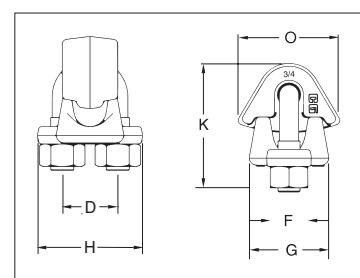
G-429

 Fist Grip®, Clip
3/4" - 1-1/2"


3/4" - 1-1/2"


G-460
Soft Eye
Bundle Clip
(For use without Thimble)


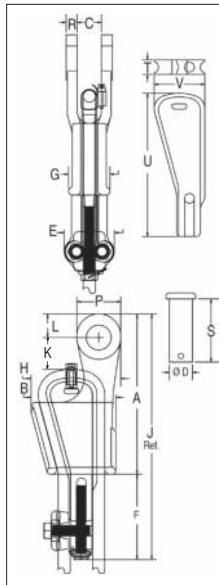
- Forged bases and bundle clip adapters.
 - All bundle clips are individually bagged or tagged with proper application instructions and warning information.
 - Bundle Clip Adapter for Soft Eye (G4460) and for Thimble Eye (G4461) kits available.
 - Meets or exceeds all requirements of ASME B30.26 including manufacturing ID and size requirements.
- Importantly, these wire rope bundle clips meet material traceability not addressed by ASME B30.26.

G-461
Thimble
Eye Bundle Clip


G-460 Soft Eye / G-461 Thimble Eye Bundle Clip

Rope Size (in)	(mm)	Bundle Clip Style	Stock No.	Dimensions (in)					Weight each (lb)	
				D	F	G	H	K		
3/4	18-20	G460	1010509	1.50	1.06	2.25	2.84	3.50	4.13	2.5
3/4	18-20	G461	1010619	1.50	1.06	2.25	2.84	3.50	2.85	2.5

S-421T


TA
TYPE APPROVED

QC
QUIC-CHECK®

- Wedge socket terminations have an efficiency rating of 80% based on the catalog strength of XXIP wire rope.
- Meets or exceeds all requirements of ASME B30.26, including identification, ductility, design factor, proof load, and temperature requirements. Importantly, these sockets meet other critical performance requirements, including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- Type Approval certification in accordance with ABS rules for conditions of classification, Part 1 2017 Steel Vessels and ABS guide for certification of lifting appliances 2017 available. Certificates available when requested at time of order and may include additional charges.
- Basket is cast steel and individually magnetic particle inspected.
- Pin diameter and jaw opening allows wedge and socket to be used in conjunction with closed swage and spelter sockets.
- Secures the tail or dead end of the wire rope to the wedge, thus eliminates loss or punch out of the wedge.
- Eliminates the need for an extra piece of rope and is easily installed.
- The Terminator wedge eliminates the potential breaking off of the tail due to fatigue.
- The tail, which is secured by the base of the clip and the wedge, is left undeformed.
- Incorporates Crosby's patented QUIC-CHECK® 'Go' and 'No-Go' feature cast into the wedge. The proper size rope is determined when the following criteria are met:
 - 1) The wire rope should pass through the 'Go' hole in the wedge.
 - 2) The wire rope should NOT pass through the 'No-Go' hole in the wedge.
- Utilizes standard Crosby Red U-Bolt® wire rope clip.
- The 3/8 through 1-1/8 standard S-421 wedge socket can be retrofitted with the new style Terminator wedge.
- Available with bolt, nut, and cotter pin: S-421TB.
- US patent 5,553,360, Canada patent 2,217,004, and foreign equivalents.
- Meets the performance requirements of EN 13411-6.
- Available with API-2C certification upon request.
- Wedge sockets meet the performance requirements of Federal specification RR-S-550F, Type C, except those provisions required of the contractor.
- The S-423T Super Terminator wedge is designed to be assembled only into the Crosby S-421 Terminator socket body. Important: The S-423TW for sizes 5/8" through 1-1/8" (14mm through 28mm) will fit respective size standard Crosby S-421T basket. The 1-1/4" (30-32mm) S-423TW will only fit the Crosby S-421T 1-1/4" basket marked with Terminator.

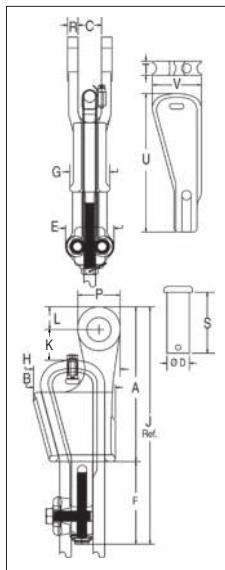
APPLICATION AND WARNING INFORMATION
SECTION 17**S-421T WEDGE SOCKETS** (Assembly includes socket, wedge, pin and wire rope clip)

Wire Rope Dia.		Stock No.	Weight Each (lb)		Wedge Only	Weight Each (lb)	Standard Bolt, Nut & Cotter Assy	Weight Each (lb)	
(in)	(mm)								
3/8	9-10	1035000	3.30		1035555	.50	2038971	.38	
1/2	11-13	1035009	6.10		1035564	1.05	2038972	.69	
5/8	14-16	1035018	10.5		1035573	1.79	2038974	1.15	
3/4	18-19	1035027	16.4		1035582	2.60	2038976	1.91	
7/8	20-22	1035036	24.8		1035591	4.00	2038978	3.23	
1	24-26	1035045	35.5		1035600	5.37	2038980	5.40	
1-1/8	28	1035054	48.8		1035609	7.30	2038982	7.50	
1-1/4	30-32	1035063	71.5		1035618	10.60	2038984	10.34	

Wire Rope Dia.		S-421T Stock No.	S-421TB Stock No.	Dimensions (in)															
(in)	(mm)			A	B	C +.09 .09	D	G	H	J*	K*	L	P	R	S	T	U	V	
3/8	9-10	1035000	1035203	5.69	2.72	.81	.81	1.38	3.06	7.80	1.88	.88	1.56	.44	2.13	.44	1.25	1.38	
1/2	11-13	1035009	1035212	6.88	3.47	1.00	1.00	1.62	3.76	8.91	1.26	1.06	1.94	.50	2.56	.53	1.75	1.88	
5/8	14-16	1035018	1035221	8.25	4.30	1.25	1.19	2.12	4.47	10.75	1.99	1.22	2.25	.56	3.25	.69	2.00	2.19	
3/4	18-19	1035027	1035230	9.88	5.12	1.50	1.38	2.44	5.28	12.36	2.41	1.40	2.63	.66	3.63	.78	2.34	2.56	
7/8	20-22	1035036	1035249	11.25	5.85	1.75	1.63	2.69	6.16	14.37	2.48	1.67	3.13	.75	4.31	.88	2.69	2.94	
1	24-26	1035045	1035258	12.81	6.32	2.00	2.00	2.94	6.96	16.29	3.04	2.00	3.75	.88	4.70	1.03	2.88	3.28	
1-1/8	28	1035054	1035267	14.38	6.92	2.25	2.25	3.31	7.62	18.34	2.56	2.25	4.25	1.00	5.44	1.10	3.25	3.56	
1-1/4	30-32	1035063	1035276	16.34	8.73	2.62	2.50	3.56	9.39	20.48	2.94	2.34	4.50	1.06	6.13	1.19	4.62	4.94	

* Nominal note: For intermediate wire rope sizes, use next larger size socket.

US-422T



- Wedge socket terminations have an efficiency rating of 80% based on the catalog strength of XXIP wire rope.
- Meets or exceeds all requirements of ASME B30.26, including identification, ductility, design factor, proof load, and temperature requirements. Importantly, these sockets meet other critical performance requirements, including fatigue life, impact properties, and material traceability not addressed by ASME B30.26.
- Basket is cast steel and individually magnetic particle inspected.
- Wedges are color coded for easy identification.
 - Blue - largest wire line size for socket.
 - Black - mid size wire line for socket.
 - 7/16" on US4
 - 9/16" on US5
 - Orange - smallest wire line size for socket.
- By simply changing out the wedge, each socket can be utilized for various wire line sizes (ensure correct wedge is used for wire rope size).
- Cast into each wedge is the model number of the socket and the wire line size for which the wedge is to be used.
- Load pin is forged and headed on one end.
- US-422T wedge sockets contain a hammer pad (lip) to assist in proper securement of termination.
- Incorporates Crosby's patented QUIC-CHECK® 'Go' and 'No-Go' feature cast into the wedge. The proper size rope is determined when the following criteria are met:
 - 1) The wire rope should pass through the 'Go' hole in the wedge.
 - 2) The wire rope should NOT pass through the 'No-Go' hole in the wedge.
- Available with API-2C certification upon request.
- UWO-422T Wedges are to be used only with the US-422T Wedge Socket Assemblies.

7

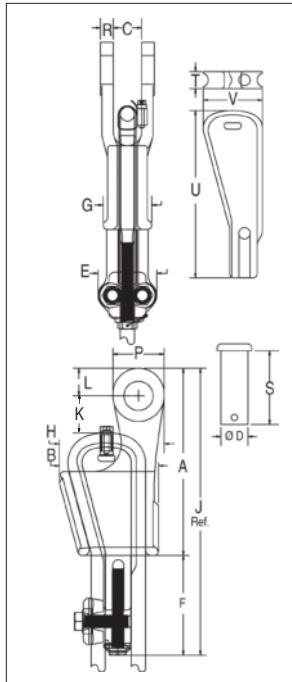
US-422T Utility Wedge Sockets

APPLICATION AND WARNING INFORMATION
SECTION 17

Model No.	Wire Rope Size		Stock No.	Weight Each (lb)	Wedge Only Stock No.	Wedge Only Weight Each (lb)	Dimensions (in)														
	(in)	(mm)					A	B	C .09	D	G	H	J	K	L	P	R	S	T	U	V
US4T	3/8	10	1044300	4.6	1047310	0.7	6.81	3.55	1.00	1.00	1.63	2.81	8.43	1.38	1.06	1.94	.50	2.53	.44	1.91	2.14
US4T	7/16	11	1044309	4.6	1047301	1.0	6.81	3.55	1.00	1.00	1.63	2.81	8.73	1.08	1.06	1.94	.50	2.53	.53	1.76	1.88
US4T	1/2	13	1044318	4.6	1047329	1.0	6.81	3.55	1.00	1.00	1.63	2.81	8.73	1.02	1.06	1.94	.50	2.53	.53	1.76	1.88
US5T	1/2	13	1044327	8.5	1047338	2.0	9.19	4.23	1.41	1.25	2.13	3.31	11.19	1.84	1.50	3.00	.63	3.25	.75	1.92	2.16
US5T	9/16	14	1044336	8.5	1047347	1.8	9.19	4.23	1.41	1.25	2.13	3.31	11.47	2.40	1.50	3.00	.63	3.25	.69	2.00	2.18
US5T	5/8	16	1044345	8.5	1047356	1.8	9.19	4.23	1.41	1.25	2.13	3.31	11.47	2.34	1.50	3.00	.63	3.25	.69	2.00	2.18
US6T	5/8	16	1044354	9.4	1047365	3.0	9.45	4.70	1.50	1.25	2.24	3.63	11.91	2.48	1.50	3.00	.56	3.25	.88	2.38	2.75
US6T	3/4	19	1044363	9.4	1047374	2.5	9.45	4.70	1.50	1.25	2.24	3.63	11.81	2.03	1.50	3.00	.56	3.25	.88	2.13	2.63
US8AT	5/8	16	1044372	17.5	1047383	3.2	10.59	5.68	1.81	1.63	2.38	5.53	13.19	1.91	1.53	2.88	.75	4.13	.69	3.26	3.50
US8AT	3/4	19	1044381	17.5	1047392	3.4	10.59	5.68	1.81	1.63	2.38	5.84	13.54	2.38	1.53	2.88	.75	4.13	.78	3.12	3.38
US7*	7/8	22	1038580	16.5	1046674	2.6	11.26	5.11	1.31	1.25	2.69	—	—	2.56	1.63	3.26	.66	3.25	1.06	2.12	2.56
US7*	1	25	1038589	16.5	1046683	2.6	11.26	5.11	1.31	1.25	2.69	—	—	2.56	1.63	3.26	.66	3.25	1.06	1.88	2.38
US8T	7/8	22	1044404	20.8	1047425	5.5	12.77	6.96	1.81	1.63	3.06	7.20	16.02	2.87	1.65	3.12	.75	4.13	.88	3.88	4.18
US8T	1	25	1044417	20.8	1047431	6.1	12.77	6.96	1.81	1.63	3.06	7.31	16.41	2.32	1.65	3.12	.75	4.13	1.03	3.76	4.06
US10T	1-1/8	28	1044426	46.5	1047440	9.7	15.94	8.62	1.81	1.63	3.57	9.15	19.72	3.26	2.19	4.38	.75	4.13	1.09	4.76	5.06
US10T	1-1/4	32	1044435	46.5	1047459	10.4	15.94	8.62	1.81	1.63	3.57	9.39	20.22	2.83	2.19	4.38	.75	4.13	1.19	4.62	4.94
US11T	1-1/8	28	1044444	60.6	1047468	12.5	16.34	8.73	2.62	2.50	3.56	9.15	19.97	3.37	2.34	4.50	1.06	6.13	1.09	4.76	5.06
US11T	1-1/4	32	1044453	64.9	1047477	15.0	16.34	8.73	2.62	2.50	3.56	9.39	20.48	2.94	2.34	4.50	1.06	6.13	1.19	4.62	4.94

* Non-Terminator Style.

S-423T



- The 423T wedge socket terminations have a minimum efficiency rating on most high-performance, high-strength, compacted-strand, rotation-resistant wire ropes of 80% based on the catalog breaking strength of the various ropes.
- Design eliminates the difficulty of properly seating the wedge with high performance wire rope into a wedge socket termination.
- Proper application of the Super Terminator eliminates the 'first load' requirement of conventional wedge socket terminations.
- S-423TW Wedge Kit can be retrofitted onto existing Crosby S-421T Terminator Wedge Sockets.
- Wedge and accessories provided with a zinc finish.
- Meets the performance requirements of EN13411-6.
- Meets or exceeds all requirements of ASME B30.26, including identification, ductility, design factor, proof load, and temperature requirements. Importantly, these sockets meet other critical performance requirements, including fatigue life, impact properties, and material traceability not addressed by ASME B30.26.
- Basket is cast steel and individually magnetic particle inspected.
- Pin diameter and jaw opening allows wedge and socket to be used in conjunction with closed swage and spelter sockets.
- Secures the tail or dead end of the wire rope to the wedge, thus eliminates loss or punch out of the wedge.
- Eliminates the need for an extra piece of rope, and is easily installed.
- The Terminator wedge eliminates the potential breaking off of the tail due to fatigue.
- The tail, which is secured by the base of the clip and the tension device, is left undeformed.
- Available with bolt, nut, and cotter pin: S-423TB.
- Available with API-2C certification upon request.
- Wedge sockets meet the performance requirements of Federal Specification RR-S-550F, Type C, except those provisions required of the contractor.
- The S-423T Super Terminator wedge is designed to be assembled only into the Crosby S-421T Terminator socket body. Important: The S-423TW for sizes 5/8" through 1-1/8" will fit respective size standard Crosby S-421T basket. The 1-1/4" S-423TW will only fit the Crosby S-421T 1-1/4" basket marked with Terminator.

Assembly includes socket, wedge, pin, wire rope clip, tensioner, bolts and secondary retention wire.

APPLICATION AND WARNING INFORMATION
SECTION 17

S-423T WEDGE SOCKETS

Wire Rope Dia.		S-423T Assembly with Round Pin and Cotter Pin				S-423TB Assembly with Bolt, Nut and Cotter Pin				S-423TW** Wedge Kit			
(in)	(mm)	S-423T Stock No.	S-423T Weight Each		S-423TB Stock No.	S-423TB Weight Each		S-423TW Stock No.	S-423TW Weight Each				
			(lb)	(kg)		(lb)	(kg)		(lb)	(kg)			
5/8	14-16	1035123	12.7	5.8	1035218	13.1	5.9	1034018	5.2	2.4			
3/4	18-19	1035132	19.4	8.8	1035227	19.1	8.7	1034027	7.2	3.3			
7/8	20-22	1035141	28.8	13.1	1035236	27.8	12.6	1034036	10.3	4.7			
1	24-26	1035150	39.2	17.8	1035245	37.3	16.9	1034045	11.9	5.4			
1-1/8	28	1035169	57.1	25.9	1035254	57.9	25.9	1034054	19.9	9.0			
1-1/4	30-32	1035178	88.6	40.2	1035272	88.1	39.9	1034063	33.8	15.3			

**Kit contains wedge, wire rope clip and bolts, tensioner bolt, and secondary retention wire.

Wire Rope Dia.		S-423T Stock No.	Dimensions (in)																
(in)	(mm)		A	B	C	D	E	F	G	H	J*	K	L	P	R	S	T	U	V
5/8	14-16	1035123	8.25	4.50	1.25	1.19	3.00	4.06	2.13	4.61	12.31	1.09	1.22	2.25	.56	3.25	.75	6.88	2.60
3/4	18-19	1035132	9.88	5.20	1.50	1.38	3.25	4.81	2.44	5.37	14.69	1.50	1.40	2.62	.66	3.63	.88	7.65	3.02
7/8	20-22	1035141	11.25	5.88	1.75	1.63	3.81	5.73	2.69	6.16	16.98	1.59	1.67	3.13	.75	4.31	1.00	9.47	3.47
1	24-26	1035150	12.81	6.56	2.00	2.00	3.81	5.73	2.94	7.05	18.54	1.44	2.01	3.75	.88	4.70	1.13	10.41	3.82
1-1/8	28	1035169	14.38	6.94	2.25	2.25	4.00	6.85	3.38	7.81	21.23	1.12	2.26	4.25	1.00	5.44	1.25	11.83	4.22
1-1/4	30-32	1035178	16.34	8.63	2.62	2.50	4.50	7.76	3.57	9.38	24.10	1.50	2.34	4.50	1.06	6.62	1.38	13.87	5.82

* Nominal note: For intermediate wire rope sizes, use next larger size socket.

Wire Rope Lubricant

Vitalife® products are the preferred wire rope lubricants in the industry because of their ability to penetrate into wire rope and displace water and contaminants, thus reducing wear and corrosion throughout the rope.

- Available in a variety of container sizes.
- Provides inner strand preservation and lubricity.
- Allows for easy visual inspection of the ropes.
- Reduces the friction between the strands of the wire rope, thus extending rope life.
- Adheres to surface of strands, forming an outer film which provides excellent corrosive protection.
- Non-tacky (will not attract dust)
- Vitalife® in aerosol form is a regulated dangerous good. See MSDS sheet for shipping instructions.
- Vitalife® Bio-Lube has been developed especially for environmentally friendly applications.
- Vitalife® 500 has been developed exclusively for ski lifts and tramways.

VITALIFE® 400
12 OZ.



VITALIFE® 410
BIO-LUBE
12 OZ.



VITALIFE® 400
5 GALLON



VITALIFE® 400
55 GALLON



Vitalife® Type

Container Size

Stock No.

Weight Each (kg)

Vitalife® 400
(Standard)

12 Ounce 1038946 1.00

5 Gallon 1038955 41.0

55 Gallon 1038964 420

Vitalife® 410
BIO-LUBE
(Environmentally Friendly)

12 Ounce 1039004 1.00

5 Gallon 1039013 41.0

55 Gallon 1039022 420

Vitalife® 500
(Ski Lifts and Tramways)

5 Gallon 1038973 41.0

55 Gallon 1038982 420

SPRAY
APPLICATORS
BACKPACK
SPRAYER
4 GALLON



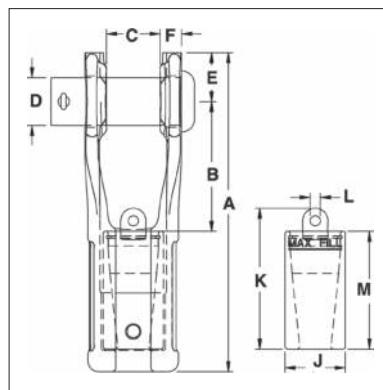
VSP Vitalife® Spray Applicators

- Designed and manufactured to work in the rugged field conditions of the construction industry.
- All applicator seals are specially designed to work with Vitalife® 400 and BIO-LUBE products.

Description	VSP Stock No.	Weight Each (lb)
4 Gallon Backpack Sprayer	1039092	11.8

SB-427

- Available in six sizes from 1/2" to 1-1/2" (13mm - 38mm).
- Button Spelter terminations have a 100% efficiency rating, based on the catalog strength of the wire rope.
- Designed for use with mobile cranes. Can be used to terminate high performance, rotation resistant ropes, and standard 6 strand ropes.
- Easy to install assembly utilizes Crosby WIRELOCK® socketing compound.
- Sockets and buttons are re-usable.
- Replacement buttons and sockets are available.
- Locking feature available to prevent rotation of rope.
- Button contains cap with eye that can be attached to, and used to pull, rope during reeling process.
- Manufactured to the requirements of API-2C.

APPLICATION AND WARNING INFORMATION
SECTION 17**SB-427 Button Spelter Sockets**

Wire Rope Size		Stock No.	Ultimate Load (t)	Weight Each (lb)	Button Only Stock No.	Dimensions (in)										Tolerance +/-
(in)	(mm)					A	B	C	D	E	F	J	K	L	M	
1/2 - 5/8	13-16	1052005	27	6.1	1052309	7.94	3.23	1.28	1.19	1.22	.57	1.50	3.50	.25	2.93	.06
5/8 - 3/4	16-19	1052014	45	10.3	1052318	9.44	3.88	1.53	1.38	1.44	.66	1.75	4.28	.38	3.43	.06
3/4 - 7/8	19-22	1052023	57	17.1	1052327	10.81	4.41	1.78	1.62	1.69	.75	2.06	4.78	.38	3.96	.06
7/8 - 1	22-26	1052032	82	29.2	1052336	12.88	5.48	2.03	2.00	2.00	.89	2.44	5.62	.62	4.52	.09
1-1/8 - 1-1/4	28-32	1052041	136	46.0	1052345	14.90	5.68	2.53	2.25	2.50	1.11	2.94	7.08	.75	5.72	.09
1-3/8 - 1-1/2	35-38	1052050	161	78.0	1052354	18.06	7.17	3.03	2.75	2.75	1.24	3.62	8.08	.75	6.76	.09

SB-427TB (Bolt, Nut and Cotter Pin)

Wire Rope Size		Stock No.	Ultimate Load (t)	Weight Each (lb)	Button Only Stock No.	Dimensions (in)										Tolerance +/-
(in)	(mm)					A	B	C	D	E	F	J	K	L	M	
1/2 - 5/8	13-16	1052406	27	6.1	1052309	7.94	3.23	1.28	1.19	1.22	.57	1.50	3.50	.25	2.93	.06
5/8 - 3/4	16-19	1052415	45	10.3	1052318	9.44	3.88	1.53	1.38	1.44	.66	1.75	4.28	.38	3.43	.06
3/4 - 7/8	19-22	1052424	57	17.1	1052327	10.81	4.41	1.78	1.62	1.69	.75	2.06	4.78	.38	3.96	.06
7/8 - 1	22-26	1052433	82	29.2	1052336	12.88	5.48	2.03	2.00	2.00	.89	2.44	5.62	.62	4.52	.09
1-1/8 - 1-1/4	28-32	1052442	136	46.0	1052345	14.90	5.68	2.53	2.25	2.50	1.11	2.94	7.08	.75	5.72	.09
1-3/8 - 1-1/2	35-38	1052451	161	78.0	1052354	18.06	7.17	3.03	2.75	2.75	1.24	3.62	8.08	.75	6.76	.09

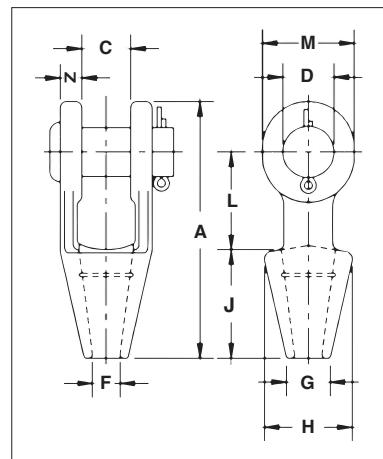
Wirelock® Requirements

Wire Rope Size		WIRELOCK Required (cc)	WIRELOCK Stock No.	WIRELOCK Kit Size (cc)
(in)	(mm)			
1/2 - 5/8	13-16	35	1039602	100
5/8 - 3/4	16-19	60	1039602	100
3/4 - 7/8	19-22	100	1039602	100
7/8 - 1	22-26	140	1039602*	100
1-1/8 - 1-1/4	28-32	250	1039604	250
1-3/8 - 1-1/2	35-38	420	1039606	500

* 2 kits required.

G-416 / S-416


- Forged steel sockets through 1-1/2", cast alloy steel 1-5/8" through 4".
- Spelter socket terminations have an efficiency rating of 100%, based on the catalog strength of wire rope.
- Ratings are based on recommended use with 6 x 7, 6 x 19 or 6 x 37, IPS or XIP (EIP), XXIP (EEIP), RRL, FC or IWRC wire rope.
- Strand constructed with minimal number of wires (e.g. 1 x 7) requires special consideration that socket basket length be five (5) times the strand diameter or fifty (50) times the wire diameter, whichever is the greater.
- All cast steel sockets 1-5/8" and larger are magnetic particle inspected and ultrasonic inspected. Proof testing available on special order.
- Available with bolt nut and cotter: G-416B.
- Open Grooved Sockets meet the performance requirements of Federal Specification RR-S-550F, Type A, except for those provisions required of the contractor.


G-416 / S-416 Open Spelter Sockets

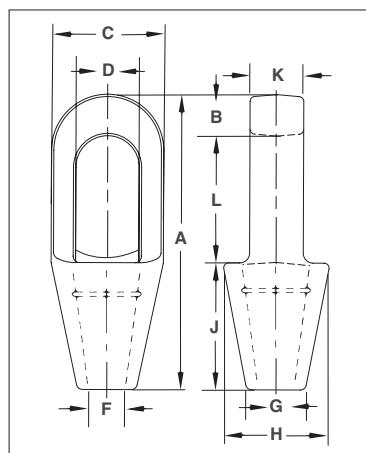
Rope Dia.		Structural Strand Dia. (in)	Ultimate Load (t)	Stock No.		Weight Each (lb)	Dimensions (in)								Tolerance +/-		
(in)	(mm)			G-416 Galv.	S-416 S.C.		A	C	D	F	G	H	J	L	M	N	C
5/16-3/8	8-10	—	12	1039637	1039646	1.30	4.84	.81	.81	.50	.81	1.69	2.25	1.75	1.50	.44	.06
7/16-1/2	11-13	—	20	1039655	1039664	2.25	5.56	1.00	1.00	.56	.94	1.88	2.50	2.00	1.88	.50	.06
9/16-5/8	14-16	1/2	27	1039673	1039682	3.60	6.75	1.25	1.19	.69	1.13	2.25	3.00	2.50	2.25	.56	.06
3/4	18	9/16-5/8	43	1039691	1039708	5.83	7.94	1.50	1.38	.81	1.25	2.62	3.50	3.00	2.62	.62	.06
7/8	20-22	11/16-3/4	55	1039717	1039726	9.65	9.25	1.75	1.63	.94	1.50	3.25	4.00	3.50	3.13	.80	.06
1	24-26	13/16-7/8	78	1039735	1039744	15.50	10.56	2.00	2.00	1.13	1.75	3.75	4.50	4.00	3.75	.88	.06
1-1/8	28-30	15/16-1	92	1039753	1039762	21.50	11.81	2.25	2.25	1.25	2.00	4.12	5.00	4.62	4.12	1.00	.12
1-1/4 - 1-3/8	32-35	1-1/16 - 1-1/8	136	1039771	1039780	31.00	13.19	2.50	2.50	1.50	2.25	4.75	5.50	5.00	4.75	1.13	.12
1-1/2	38	1-3/16 - 1-1/4	170	1039799	1039806	47.25	15.12	3.00	2.75	1.63	2.75	5.25	6.00	6.00	5.38	1.19	.12
* 1-5/8	* 40-42	1-5/16 - 1-3/8	188	1039815	1039824	55.00	16.25	3.00	3.00	1.75	3.00	5.50	6.50	6.50	5.75	1.31	.12
* 1-3/4 - 1-7/8	* 44-48	1-7/16 - 1-5/8	268	1039833	1039842	82.00	18.25	3.50	3.50	2.00	3.13	6.38	7.50	7.00	6.50	1.56	.12
* 2 - 2-1/8	* 50-54	1-11/16 - 1-3/4	291	1039851	1039860	129.00	21.50	4.00	3.75	2.25	3.75	7.38	8.50	9.00	7.00	1.81	.12
* 2-1/4 - 2-3/8	* 56-60	1-13/16 - 1-7/8	360	1039879	1039888	167.00	23.50	4.50	4.25	2.50	4.00	8.25	9.00	10.00	7.75	2.13	.12
* 2-1/2 - 2-5/8	* 64-67	1-15/16 - 2-1/8	424	1041633	1041642	252.00	25.50	5.00	4.75	2.88	4.50	9.25	9.75	10.75	8.50	2.38	.12
* 2-3/4 - 2-7/8	* 70-73	2-3/16 - 2-7/16	511	1041651	1041660	315.00	27.25	5.25	5.00	3.12	4.88	10.50	11.00	11.00	9.00	2.88	.25
* 3 - 3-1/8	* 75-80	2-1/2 - 2-5/8	563	1041679	1041688	380.00	29.00	5.75	5.25	3.38	5.25	11.12	12.00	11.25	9.50	3.00	.25
* 3-1/4 - 3-3/8	* 82-86	2-3/4 - 2-7/8	722	1041697	1041704	434.00	30.88	6.25	5.50	3.62	5.75	11.88	13.00	11.75	10.00	3.12	.25
* 3-1/2 - 3-5/8	* 88-92	3 - 3-1/8	779	1041713	1041722	563.00	33.25	6.75	6.00	3.88	6.50	12.38	14.00	12.50	10.75	3.25	.25
* 3-3/4 - 4	* 94-102	—	875	1041731	1041740	783.00	36.25	7.50	7.00	4.25	7.25	13.62	15.00	13.50	12.50	3.50	.25

* Cast alloy steel.

G-417 / S-417



- Forged steel sockets through 1-1/2", cast alloy steel 1-5/8" through 4".
- Spelter socket terminations have an efficiency rating of 100%, based on the catalog strength of wire rope.
- Ratings are based on recommended use with 6 x 7, 6 x 19, or 6 x 37, IPS or XIP (EIP), XXIP (EEIP), RRL, FC, or IWRC wire rope.
- Strand constructed with minimal number of wires (e.g. 1 x 7) requires special consideration that socket basket length be five (5) times the strand diameter or fifty (50) times the wire diameter, whichever is the greater.
- All cast steel sockets 1-5/8" and larger are magnetic particle inspected and ultrasonic inspected. Proof testing available on special order.
- Closed Grooved Sockets meet the performance requirements of Federal Specification RR-S-550F, Type B, except for those provisions required of the contractor.



G-417 / S-417 Closed Spelter Sockets

Rope Dia.		Structural Strand Dia. (in)	Ultimate Load (t)	Stock No.		Weight Each (lb)	Dimensions (in)									
(in)	(mm)			G-417 Galv.	S-417 S.C.		A	B	C	D*	F	G	H	J	K	L
5/16 - 3/8	8-10	—	12.0	1039913	1039922	.75	4.94	.62	1.69	.97	.50	.81	1.69	2.25	.69	2.06
7/16 - 1/2	11-13	—	20.0	1039931	1039940	1.50	5.50	.69	2.00	1.16	.56	.94	2.00	2.50	.88	2.31
9/16 - 5/8	14-16	1/2	30.8	1039959	1039968	2.50	6.31	.81	2.63	1.41	.69	1.12	2.38	3.00	1.00	2.50
3/4	18	9/16 - 5/8	43.5	1039977	1039986	4.25	7.62	1.06	3.00	1.66	.88	1.25	2.75	3.50	1.25	3.06
7/8	20-22	11/16 - 3/4	65.3	1039995	1040000	7.25	8.75	1.25	3.63	1.94	1.00	1.50	3.25	4.00	1.50	3.50
1	24-26	13/16 - 7/8	81.6	1040019	1040028	10.50	9.91	1.41	4.13	2.30	1.13	1.75	3.75	4.50	1.75	4.00
1-1/8	28-30	15/16 - 1	100	1040037	1040046	14.25	11.00	1.50	4.50	2.56	1.25	2.00	4.13	5.00	2.00	4.50
1-1/4 - 1-3/8	32-35	1-1/16 - 1-1/8	136	1040055	1040064	19.75	12.12	1.63	5.00	2.81	1.50	2.25	4.75	5.50	2.25	5.00
1-1/2	38	1-3/16 - 1-1/4	170	1040073	1040082	29.20	13.94	1.94	5.38	3.19	1.63	2.75	5.25	6.00	2.50	6.00
† 1-5/8	† 40-42	1-5/16 - 1-3/8	188	1040091	1040108	36.00	15.13	2.13	5.75	3.25	1.75	3.00	5.50	6.50	2.75	6.50
† 1-3/4 - 1-7/8	† 44-48	1-7/16 - 1-5/8	268	1040117	1040126	57.25	17.25	2.19	6.75	3.75	2.00	3.13	6.38	7.50	3.00	7.56
† 2 - 2-1/8	† 50-54	1-11/16 - 1-3/4	309	1040135	1040144	79.00	19.87	2.44	7.63	4.38	2.25	3.75	7.38	8.50	3.25	8.81
† 2-1/4 - 2-3/8	† 56-60	1-13/16 - 1-7/8	360	1040153	1040162	105.00	21.50	2.75	8.50	5.00	2.63	4.13	8.25	9.00	3.63	9.75
† 2-1/2 - 2-5/8	† 64-67	1-15/16 - 2-1/8	424	1041759	1041768	140.00	23.50	3.12	9.50	5.50	2.88	4.50	9.25	9.75	4.00	10.62
† 2-3/4 - 2-7/8	† 70-73	2-3/16 - 2-7/16	549	1041777	1041786	220.00	25.38	3.12	10.75	6.25	3.12	4.88	10.19	11.00	4.88	11.25
† 3 - 3-1/8	† 75-80	2-1/2 - 2-5/8	656	1041795	1041802	276.00	27.12	3.37	11.50	6.75	3.38	5.25	11.50	12.00	5.25	11.75
† 3-1/4 - 3-3/8	† 82-86	2-3/4 - 2-7/8	750	1041811	1041820	313.00	29.25	4.00	12.25	7.25	3.62	5.75	12.25	13.00	5.75	12.25
† 3-1/2 - 3-5/8	† 88-92	3 - 3-1/8	820	1041839	1041848	400.00	31.00	4.00	13.00	7.75	3.88	6.31	13.00	14.00	6.25	13.00
† 3-3/4 - 4	† 94 - 102	—	1005	1041857	1041866	542.00	33.25	4.25	14.25	8.50	4.25	7.25	14.25	15.00	7.00	14.00

* Diameter of pin must not exceed pin used on companion 416 socket. Reference adjacent page "D" dimension. † Cast alloy steel.

RESIN FOR SPUTTER SOCKETS

Note: For use on 416, 417, 427 and 517 spelter sockets only.



WIRELOCK®
Socketting Compound

- 100% termination efficiency.
- Temperature operating range is -65° F to +240° F (-54°C to +116°C).
- Ideal for on-site applications.
- No hazardous molten metal.
- Improved fatigue life.
- Pouring temperature without booster pack is 48° F to 110° F (6.67°C to 43.3°C).
- One booster pack if pouring temperature is 35° F to 48° F (1.67°C to 8.89°C).
- Two booster packs if pouring temperature is 27° F to 35° F (-2.78°C to +1.67°C).
- Refer to Crosby® Wire Rope End Terminations Manual for more information.
- Storage temperature is 68° F (20°C) max. Store in well ventilated area away from sunlight and sources of ignition.



APPROVALS:

Lloyds Register of Shipping



Det Norske Veritas (DNV)



United States Coast Guard

Registro Italiano Navale



Germanischer Lloyd

United States Navy



American Bureau of Shipping

ISO 17.558



DNV-OS-E304



NATO Numbers:

100cc 8030-21-902-1823

250cc 8030-21-902-1824

500cc 8030-21-902-1825

1000cc 8030-21-902-1826

Witnessed and tested by American Bureau of Shipping. (ABS)

Approximate U.S. Measurements:
250cc's Kit 1 Cup

WIRELOCK® W416-7 Socket Compound

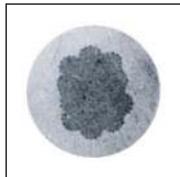
W416-7 Kits				Booster Pak Stock No.
Kit Size	Kit Per Case	Stock No.	Weight Each (lb)	
100	20	1039602	.62	1039603
250	12	1039604	1.25	1039605
500	12	1039606	2.54	1039607
1000	12	1039608	4.59	1039609
2000	6	1039610	9.00	1039611

Guide to amount WIRELOCK® Required

Wire Rope Size (in)	Wire Rope Size (mm)	WIRELOCK Required (cc)	WIRELOCK Required (cc)	
			(in)	(mm)
1/4	6-7	9	1-3/4	44
5/16	8	17	1-7/8	48
3/8	9-10	17	2	51
7/16	11	35	2-1/8	54
1/2	13	35	2-1/4	56
9/16	14	52	2-3/8	60
5/8	16	52	2-1/2	64
3/4	20	86	2-5/8	67
7/8	22	125	2-3/4	70
1	26	160	3	76
1-1/8	28	210	3-1/4	82
1-1/4	32	350	3-1/2	88
1-3/8	36	350	3-3/4	94
1-1/2	40	420	4	102
1-5/8	42	495	—	—

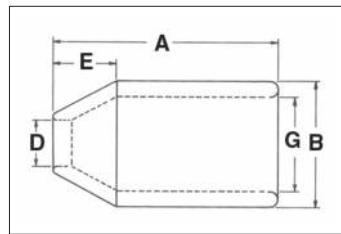
Wirelock is a hazardous material regulated by US DOT, ICAO/IATA and IMO for transportation.

APPLICATION AND WARNING INFORMATION
SECTION 17

**S-505
Swaging Sleeve**


Cross Section of Swaged Sleeve

- For flemish eye wire rope splicing.
- Designed for low temperature toughness.
- Resists cracking when swaged (equals or exceeds stainless steel sleeves).
- Special processed low carbon steel.
- COLD TUFF® for better swageability.
- Can be stamped for identification after swaging without concern for fractures when following these directions:
 - Use round corner stamps to a maximum depth of 0.015 in. (1/64).
 - The area for stamping should be on the side of the sleeve in the plane of the sling eye, and no less than 0.250 in. (1/4) from either end of the sleeve.
- Standard steel sleeve terminations have efficiency ratings as follows based on the catalog strength of wire rope.
- Do not use on wire rope size other than size shown.



S-505 Termination Efficiency		
Size (in)	Type of Wire Rope *	
	IWRC	FC
1/4 - 1	96%	93%
1-1/8 - 2	92%	89%
2-1/4 and Larger	90%	87%

Intermediate Metric Die Chart

Sleeve and Swaging Die Requirements for Intermediate Sizes of Metric Wire Rope								
S-505 Stock No.	S-505 Sleeve Size	Metric Wire Rope Size (mm)	Standard Round Dies				Maximum After Swage Dimension (in)	
			1st Stage Die		2nd Stage Die			
1041143	1/2	12	1190881	5 x 7 Double Cavity	—	—	.990	
1041223	7/8	20	1190901	5 x 7 Double Cavity	—	—	1.620	
1041241	1	24	1190921	5 x 7 Double Cavity	—	—	1.880	
1041321	1-1/2	36	1192649	5 x 7	1190941	5 x 7	2.630	
1041349	1-3/4	40	1192685	5 x 7	1190961	5 x 7	2.950	
1041367	2	48	1192729	5 x 7	1190971	5 x 7	3.460	
1041401	2-1/2	60	1192809	5 x 7	1190981	5 x 7	4.370	
1041401	2-1/2	60	1191061	6 x 12	1190991	6 x 12	4.370	
1041447	3	72	1193201	6 x 12	1191001	6 x 12	4.810	
1041483	3-1/2	80	1193247	6 x 12	1191101	6 x 12	5.450	
1041483	3-1/2	84	1193247	6 x 12	1191121	6 x 12	5.550	

QUIC-PASS® system not available for these metric rope sizes. Note: Fittings designed only to be used on exact sizes listed.

** NOTE: S-505 Standard Sleeves are recommended for use with 6 x 19 or 6 x 37, IPS or XIP (EIP), XXIP (EEIP), RRL, FC or IWRC wire rope.

Before using any National Swage fitting with any other type lay, construction or grade of wire rope, it is recommended that the termination be destructive and documented to prove the adequacy of the assembly to be manufactured.

S-505 COLD TUFF® Standard Steel Sleeves

S-505 Standard Steel Sleeve Specifications													Swager / Die Data			
S-505 Stock No.	Rope Size		Weight Per 100 (lb)	Pkg. Qty.	Before Swage Dimensions (in)						Maximum After Swage Dimensions (in)	Standard Round Dies		QUIC-PASS Dies		
	(in)	(mm)			A	B	D	E	G	Standard Die		Die Description	Standard Die Stock No.	QUIC-PASS Die Stock No.		
1041063	1/4	6-7	5	250	1	.66	.31	.28	.47	.57	.565	1/4 Taper	1197528	1923530		
1041090	5/16	8	14	200	1.5	.91	.44	.44	.62	.75	.769	3/8 Taper	1192364	1923551		
1041107	3/8	9-10	14	100	1.5	.91	.47	.39	.66	.75	.769	3/8 Taper	1192364	1923551		
1041125	7/16	11	33	50	2	1.22	.55	.65	.85	1.01	1.016	1/2 Taper	1192408	1923572		
1041143	1/2	13	29	50	2	1.22	.63	.56	.91	1.01	1.016	1/2 Taper	1192408	1923572		
1041161	9/16	14	64	25	2.75	1.47	.69	.63	1.03	1.24	1.247	5/8 Taper	1192444	1923593		
1041189	5/8	16	56	25	2.75	1.47	.75	.63	1.09	1.24	1.247	5/8 Taper	1192444	1923593		
1041205	3/4	18-19	88	20	3.19	1.72	.91	.84	1.28	1.46	1.475	3/4 Taper	1192462	1923614		
1041223	7/8	22	131	10	3.56	2.03	1.03	1.00	1.53	1.68	1.738	7/8 Taper	1192480	1923635		
1041241	1	25-26	195	10	4	2.28	1.16	1.13	1.72	1.93	1.955	1 Taper	1192505	1923656		
1041269	1-1/8	28-29	260	Bulk	4.81	2.50	1.28	1.25	1.94	2.13	2.170	1-1/8 Open 1st Stage 2nd Stage	1192523 1192541	1923677		
1041287	1-1/4	31-32	355	Bulk	5.19	2.78	1.44	1.41	2.16	2.32	2.405	1-1/4 Open 1st Stage 2nd Stage	1192621 1192587	1923698		
1041303	1-3/8	34-35	423	Bulk	5.81	3.00	1.56	1.56	2.38	2.52	2.610	1-3/8 Open 1st Stage 2nd Stage	1192667 1192621	1923717		
1041321	1-1/2	37-38	499	Bulk	6.25	3.25	1.69	1.69	2.63	2.71	2.835	1-1/2 Open 1st Stage 2nd Stage	1192649 1192667	1923736		

Note: Fittings designed only to be used on exact sizes listed.

7
S-505 COLD TUFF® Standard Steel Sleeves

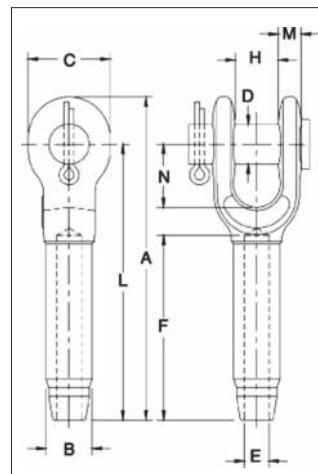
S-505 Standard Steel Sleeve Specifications													Swager / Die Data					
S-505 Stock No.	Rope Size		Weight Per 100 (lb)	Pkg. Qty.	Before Swage Dimensions (in)						Maximum After Swage Dimensions (in)	Die Description	Stock No.					
	(in)	(mm)			A	B	D	E	G	Standard Die			500 Tons	1000 Tons	1500 Tons	1500 Ton 6x12	3000 Ton 6x12	1500 Ton 6x12
1041349	1-3/4	44-45	805	Bulk	7.25	3.84	1.94	1.97	3.13	3.10	1-3/4 Open 1st Stage 2nd Stage	1192685 1192701	—	—	—	—	—	—
1041367	2	50-52	1132	Bulk	8.5	4.38	2.25	2.25	3.63	3.56	2 Open 1st Stage 2nd Stage	1192729 1192747	—	—	—	—	—	—
1041385	2-1/4	56-57	1936	Bulk	9.56	5.03	2.50	2.53	4.03	4.12	2-1/4 Open 1st Stage 2nd Stage	1192765 1192783	1191089 1191043	1191089 1191043	—	1195085 1195067		
1041401	2-1/2	62-64	2352	Bulk	10.5	5.50	2.75	2.81	4.50	4.50	2-1/2 Open 1st Stage 2nd Stage	—	1191061 1191089	1191061 1191089	1195370 1195469	1195076 1195085		
1041429	2-3/4	68-70	2800	Bulk	11.5	5.75	3.00	3.09	4.75	4.70	2-3/4 Open 1st Stage 2nd Stage	—	1191034 1191052	1191034 1191052	1195389 1195478	1195094 1195101		
1041447	3	75-76	2940	Bulk	12	6.00	3.25	3.38	5.00	4.96	3 Open 1st Stage 2nd Stage	—	1193201 1193229	1193201 1193229	1195398 1195487	1195110 1195129		
1041483	3-1/2	87-89	4640	Bulk	14	7.00	3.88	3.94	5.84	5.77	3-1/2 Open 1st Stage 2nd Stage	—	1193247 1193265	1193247 1193265	—	1195138 1195147		
1041492	3-3/4	93-95	5500	Bulk	15	7.50	4.06	4.25	6.31	6.23	3-3/4 Open 1st Stage 2nd Stage	—	—	1191114 1191132	—	1195263 1195272		
1041508	4	100-105	6800	Bulk	16	8.13	4.38	4.50	6.81	6.69	4 Open 1st Stage 2nd Stage	—	—	1191150 1191178	—	1195156 1195165		
1041526	4-1/2	112-114	10000	Bulk	18	9.13	4.88	5.06	7.66	7.45	4-1/2 Open 1st Stage 2nd Stage	—	—	1191187 1191203	—	1195174 1195183		

Note: Fittings designed only to be used on exact sizes listed.

S-501



- Forged from special bar quality carbon steel, suitable for cold forming.
- Swage socket terminations have an efficiency rating of 100% based on the catalog strength of wire rope.
- Hardness controlled by spheroidize annealing.
- Stamp for identification after swaging without concern for fractures (as per directions in Wire Rope End Terminations User's Manual).
- Swage sockets incorporate a reduced machined area of the shank which is equivalent to the proper 'after swage' dimension. Before swaging, this provides for an obvious visual difference in the shank diameter. After swaging, a uniform shank diameter is created allowing for a QUIC-CHECK® and permanent visual inspection opportunity.
- S-501 Swage Sockets are recommended for use with 6 x 19 or 6 x 37, IPS or XIP (EIP), XXIP (EEIP), RRL, FC or IWRC wire rope.
- In accordance with ASME B30.9, all slings terminated with swage sockets shall be proof loaded.*



S-501 Open Swage Sockets

S-501 and S-501B Open Socket Specifications														Tolerance +/-	Swager / Die Data							
S-501 Stock No.	S-501B Stock No. †	Rope Size		Before Swage Dimensions (in)											Max. After Swage Dim. (in)	Stock No.		Side Load				
		(in)	(mm)	Wt Each (lb)	Ultimate Load** (t)	A	B	C	D	E	F	H	L	M	N	H	500 Ton 5 x 7	1000 Ton 6 x 12	1500 Ton 6 x 12	1500 Ton 6 x 12	3000 Ton 6 x 12	
1039021	1054001	1/4	6	.52	5.4	4.78	.50	1.38	.69	.27	2.19	.69	4.00	.38	1.47	.06	.46	1/4 Socket	1192845	-	-	-
1039049	1054010	5/16	8	1.12	11.8	6.3	.78	1.62	.81	.34	3.25	.80	5.34	.48	1.67	.06	.71	5/16-3/8 Socket	1192863	-	-	-
1039067	1054029	3/8	9-10	1.30	13.6	6.3	.78	1.62	.81	.41	3.25	.80	5.34	.48	1.67	.06	.71	5/16-3/8 Socket	1192863	-	-	-
1039085	1054038	7/16	11-12	2.08	18.1	7.82	1.01	2.00	1.00	.49	4.31	1.00	6.69	.56	1.96	.06	.91	7/16-1/2 Socket	1192881	-	-	-
1039101	1054047	1/2	13	2.08	21.3	7.82	1.01	2.00	1.00	.55	4.31	1.00	6.69	.56	1.96	.06	.91	7/16-1/2 Socket	1192881	-	-	-
1039129	1054056	9/16	14	4.67	31.8	9.54	1.27	2.38	1.19	.61	5.38	1.25	8.13	.68	2.21	.06	1.16	9/16-5/8 Socket	1192907	-	-	-
1039147	1054065	5/8	16	4.51	34.9	9.54	1.27	2.38	1.19	.68	5.38	1.25	8.13	.68	2.21	.06	1.16	9/16-5/8 Socket	1192907	-	-	-
1039165	1054074	3/4	18-20	7.97	43.5	11.61	1.56	2.75	1.38	.80	6.44	1.50	10.00	.80	2.69	.06	1.42	3/4 Socket	1192925	-	-	-
1039183	1054083	7/8	22	11.52	51.5	13.37	1.72	3.13	1.63	.94	7.50	1.75	11.63	.94	3.20	.07	1.55	7/8 Socket	1192943	-	-	-
1039209	1054092	1	24-26	17.80	71.4	15.47	2.00	3.69	2.00	1.07	8.63	2.00	13.38	1.07	3.68	.08	1.80	1 Socket	1192961	-	-	-
1039227	1054104	1-1/8	28	25.25	83.3	17.35	2.25	4.12	2.25	1.19	9.63	2.25	15.00	1.19	4.18	.10	2.05	1-1/8 Socket	1192989	-	-	-
1039245	1054113	1-1/4	32	35.56	109	19.2	2.53	4.59	2.50	1.34	10.69	2.50	16.50	1.27	4.68	.10	2.30	1-1/4 Socket	1193005	-	-	-
1039263	1054122	1-3/8	34-36	43.75	136	21.1	2.81	5.25	2.50	1.46	11.88	2.41	18.13	1.46	5.25	.10	2.56	1-3/8 Socket	1193023	-	-	-
1039281	1054131	1-1/2	38-40	58.50	181	23.17	3.08	5.50	2.75	1.59	12.81	3.00	19.75	1.70	5.70	.10	2.81	1-1/2 Socket	1193041	1191267	1195355	1195192
1039307	1054140	1-3/4	44	88.75	228	26.7	3.40	6.25	3.50	1.87	15.06	3.50	23.00	2.11	6.67	.10	3.06	1-3/4 Socket	1193069	1191276	1195367	1195209
1042767	1054159	2	48-52	146.2	272	31.15	3.94	7.80	3.75	2.12	17.06	4.00	26.75	1.81	8.19	.10	3.56	2 Socket	1193087	1191294	1195379	1195218

*Maximum Proof Load shall not exceed 50% of XXIP rope catalog breaking strength. ** The Ultimate Loads of 3/4" through 1 1/4" sizes have been increased to meet the requirements for 8 strand 2160 Grade pendants. † Assembly with bolt, nut and cotter pin. Note: Fittings designed only to be used on exact sizes listed.

NOTE: Before using any Crosby fitting with any other type lay, construction or grade of wire rope, it is recommended that the termination be destructive tested and documented to prove the adequacy of the assembly to be manufactured.