

CHAIN & CHAIN FITTING



GRADE 100 ALLOY CHAIN



Spectrum 10®
Grade 100
Alloy Chain

- Alloy Steel.
- Heat Treated.
- 25% stronger than Grade 80 Alloy Chain.
- Permanently embossed with CG (Crosby Group) and 10 (Grade).
- Finish - Black rust preventative coating.
- Proof Tested at 2 times the Working Load Limit with certification
- Standard container - fiber drum

Grade 100 Alloy Chain Recommended for overhead lifting applications

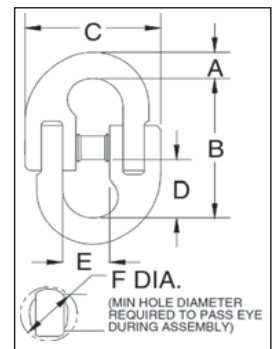
Chain Size		Gr. 100 Stock No.	Meters Per Drum	Dimensions (mm)	Working Load Limit (t)*	Weight Per Meter (kg)
(in)	(mm)					
9/32 (1/4)	7	1210055	200	7 x 21	2.0	1.05
5/16	8	1210076	200	8 x 24	2.5	1.25
3/8	10	1210097	200	10 x 30	4.0	2.20
1/2	13	1210118	150	13 x 39	6.7	3.80
5/8	16	1210139	100	16 x 48	10.0	5.70
3/4	19	1210160	50	19 x 57	14.0	8.03
7/8	22	273867	50	23 x 69	21.0	10.9
7/8	23	1210202	50	23 x 69	21.0	10.9
1	26	1210232	50	26 x 78	26.5	15.2
1-1/4	32	1210250	20	32 x 96	40.0	23.0

* Proof tested at 2 times Working Load Limit. Ultimate Load is 4 times the Working Load Limit.



A-1337
10 Alloy
Connecting Link

- 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.
- 25% stronger than Grade 80.
- Meets ASTM A-952 standards for Grade 100 chain fittings.
- Forged Alloy Steel - Quenched and Tempered.
- Sizes 9/32 through 1 inch are fatigue rated.
- "Look for the Platinum Color - Crosby Grade 100 Alloy Products."



Crosby 8/10™



Fatigue Rated

LOK-A-LOY® 10 Alloy Connecting Link

Chain Size		A-1337 Stock No.	Pkg. Qty.	Weight Each (kg)	Working Load Limit (t)*	Dimensions (mm)					
(in)	(mm)					A	B	C	D	E	F
9/32 (1/4)	7	1015104	60	.12	2.0	9.7	49.3	48.3	20.6	17.5	14.5
5/16	8	1015113	50	.16	2.5	9.40	59.7	52.6	25.1	18.3	16.3
3/8	10	1015122	40	.34	4.0	12.2	68.6	62.7	28.4	22.9	19.8
1/2	13	1015136	12	.73	6.8	17.3	87.6	84.1	36.6	28.4	24.6
5/8	16	1015145	10	1.30	10.2	20.6	105	99.1	43.7	34.3	29.0
3/4	20	1015154	1	2.26	16.0	23.6	118	118	53.1	40.4	32.5
7/8	22	1015163	1	3.41	19.4	26.9	140	143	58.7	50.0	36.6
1	25	1015172	1	5.00	27.1	31.0	152	157	63.5	56.4	47.8
1-1/4	32	1015181	1	9.25	41.0	38.1	189	194	78.5	64.3	55.6

*Ultimate Load is 4 times the Working Load Limit. For Grade 6 LOK-A-LOY®, see page 252.

GRADE 100 SLING HOOKS



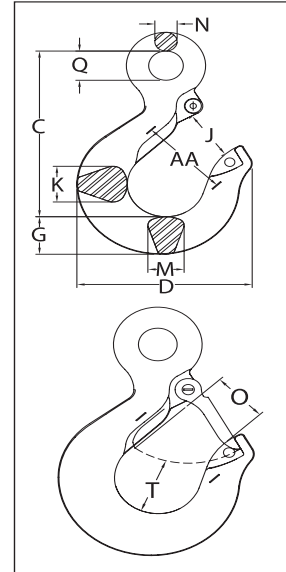
L-1327
Eye Sling Hook

Crosby 8/10™

Fatigue Rated



- Forged Alloy Steel - Quenched and Tempered.
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby.
- 25% stronger than Grade 80.
- Eye Sling hooks incorporate two types of strategically placed markings forged into the product which address two (2) **QUIC-CHECK®** features: Deformation Indicators and Angle Indicators.
- Low profile hook tip
- Utilizes S-4320 integrated latch which 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.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification
- 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.
- "Look for the Platinum Color - Crosby Grade 100 Alloy Products."



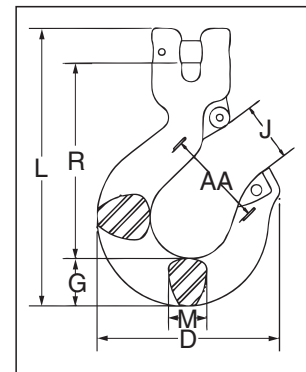
Grade 100 Alloy Chain Size		Working Load Limit (t)*	Hook ID Code	L-1327 Stock No.	Weight Each (kg)	Dimensions (mm)											Replacement Latch Stock No.
(in)	(mm)					C	D	G	J	K	M	N	O	Q	T	AA	
-	6	1.45	DA	1025860	.23	84.8	72.9	18.5	22.9	16.0	16.0	9.1	22.6	19.1	22.1	38.1	1096325
1/4-5/16	7 - 8	2.6	HA	1025869	.59	107	99.1	26.2	30.0	19.1	19.1	12.7	29.2	19.1	29.5	50.8	1096468
3/8	10	4.0	IA	1025878	1.04	127	110	30.2	38.9	30.2	25.4	14.2	35.6	23.9	31.2	63.5	1096515
1/2	13	6.8	JA	1025887	2.04	161	144	36.6	45.2	34.8	29.7	18.3	42.4	28.4	47.8	76.2	1096562
5/8	16	10.3	KA	1025896	3.81	189	172	47.8	60.5	42.2	36.6	22.4	56.1	33.3	51.6	102	1096609
3/4	18-20	16.0	KA	1025915	6.80	230	189	57.2	58.2	47.8	41.4	28.2	52.8	62.0	62.7	102	1096609
7/8	22-23	21.0	LA	1025924	9.39	256	211	65.8	63.5	55.6	49.3	32.3	57.7	72.1	66.5	102	1096657
1	26	27.1	NA	1025933	17.9	326	262	76.2	83.8	68.3	60.5	39.6	76.7	88.9	71.9	127	1096704
1 1/4	32	41.0	PA	1025942	47.6	462	357	116	108	95.3	81.0	50.8	76.2	114	98.6	178	1093717

* Ultimate Load is 4 times the Working Load Limit.



L-1339
Clevis Sling Hook

- Forged Alloy Steel - Quenched and 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 two types of strategically placed markings forged into the product which address two (2) **QUIC-CHECK®** features: Deformation Indicators 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.
- "Look for the Platinum Color - Crosby Grade 100 Alloy Products."



Crosby 8/10™

QT

Fatigue Rated

QUIC-CHECK

L-1339 Clevis Sling Hook

Chain Size		Working Load Limit (t)*	Hook ID Code	L-1339 Stock No.	Weight Each (kg)	Dimensions (mm)							S-4320 Rep. Latch Stock No.	S-4339 Rep. Latch Stock No.
(in)	(mm)					D	G	J	L	M	R	AA		
-	6	1.5	DA	1049103	0.29	72.6	18.5	23.6	107	16.0	74.9	38.1	1096325	-
1/4	7	2.0	HA	1049112	0.72	98.0	26.4	30.2	144	19.1	101	50.8	1096468	-
5/16	8	2.6	HA	1049121	0.71	98.0	26.4	30.2	144	19.1	100	50.8	1096468	-
3/8	10	4.0	IA	1049130	1.17	111	30.2	38.9	171	25.4	120	63.5	1096515	-
1/2	13	6.8	JA	1049149	2.39	142	36.6	45.2	213	29.7	150	76.2	1096562	-
5/8	16	10.3	KA	1049158	4.45	172	48.0	61.2	259	36.6	177	102	1096609	-
3/4	18-20	16.0	-	1049167	8.30	211	71.9	68.3	332	50.0	203	114	-	1048714
7/8**	22-23**	21.0	-	1049176	11.2	233	78.0	77.5	355	50.0	223	127	-	1048732

* Ultimate Load is 4 times the Working Load Limit. ** 7/8 in (22-23 mm) size does not have cam, latch attaches to unique pin.

GRADE 100 CLEVIS GRAB HOOKS

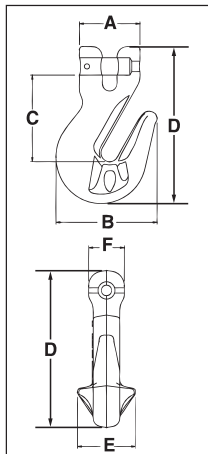


A -1338
Cradle Grab Hook

- Forged Alloy Steel - Quenched and 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 at 1-1/2 times the Working Load Limit at 20,000 cycles.
- "Look for the Platinum Color - Crosby Grade 100 Alloy Products."



L-1338
Cradle Grab Hook



Crosby 8/10™

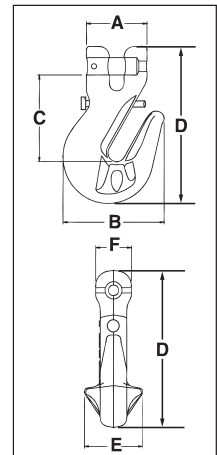


Fatigue Rated

A/L-1338 Cradle Grab Hook

Chain Size (in) (mm)	Working Load Limit (t)*	A-1338 Stock No.	L-1338 Stock No.	Weight Each (kg)	Dimensions (mm)						S-4338 Replacement Latch Kit Stock No.
					A	B	C	D	E	F	
1/4 7	2.0	1049417	1049480	.45	43.7	64.5	55.9	98.5	38.1	22.4	1048426
5/16 8	2.6	1049426	1049489	.45	43.7	64.5	55.4	98.5	38.1	22.4	1048426
3/8 10	4.0	1049435	1049498	.82	47.0	78.5	65.5	119	46.5	27.7	1048435
1/2 13	6.8	1049444	1049507	1.78	60.7	97.3	83.3	149	57.2	36.1	1048444
5/8 16	10.3	1049453	1049516	3.18	67.8	115	97.8	179	74.5	44.5	1048453

* Ultimate Load is 4 times the Working Load Limit.

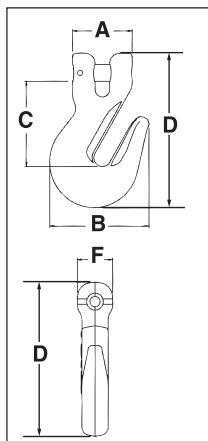


A -1358
Grab Hook

- Forged Alloy Steel - Quenched and 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.
- "Look for the Platinum Color - Crosby Grade 100 Alloy Products."



L -1358
Grab Hook



Crosby 8/10™

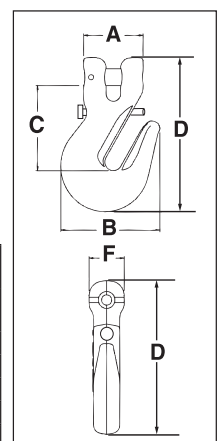


Fatigue Rated

A/L-1358 Grab Hook

Chain Size (in) (mm)	Working Load Limit (t)*	A-1358 Stock No.	L-1358 Stock No.	Weight Each (kg)	Dimensions (mm)					S-4338 Replacement Latch Kit Stock No.
					A	B	C	D	F	
1/4 7	2.0	1049610	1049605	.45	43.7	64.5	55.9	98.5	22.4	1048426
5/16 8	2.6	1049629	1049614	.45	43.7	64.5	55.4	98.5	22.4	1048426
3/8 10	4.0	1049638	1049623	.82	47.0	78.5	65.5	119	27.7	1048435
1/2 13	6.8	1049647	1049634	1.78	60.7	97.3	83.3	149	36.1	1048444
5/8 16	10.3	1049656	1049643	3.18	67.8	115	97.8	179	44.5	1048453

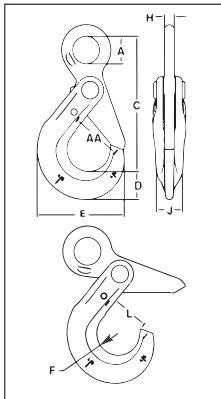
* Ultimate Load is 4 times the Working Load Limit.



GRADE 100 SHUR-LOC HOOKS



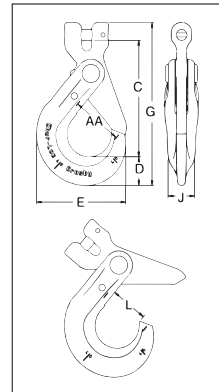
S-1316
Eye Hook



- Forged Alloy Steel - Quenched and Tempered.
- 25% stronger than Grade 80.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification
- Recessed trigger design is flush with the hook bod , 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 at 1-1/2 times the Working Load Limit at 20,000 cycles.
- "Look for the Platinum Color - Crosby Grade 100 Alloy Products."
- Forged Alloy Steel - Quenched and Tempered.



S-1317
Clevis Hook



SHUR-LOC® Hook Series with Positive Locking Latch

S-1316 Eye Hook

Chain Size		Working Load Limit (t)*	S-1316 Stock No.	Weight Each (kg)	Dimensions (mm)								
(in)	(mm)				A	C	D	E	F	H	J	L	AA
-	6	1.5	1022896	.39	19.8	100	20.1	66.0	17.0	7.87	16.0	29.5	38.1
1/4-5/16	7-8	2.6	1022914	.82	27.4	135	27.9	88.9	22.1	9.91	20.6	37.6	51.0
3/8	10	4.0	1022923	1.54	33.0	167	29.7	112	27.9	12.9	23.9	46.5	63.5
1/2	13	6.8	1022932	2.72	41.9	209	42.4	139	32.0	17.0	29.5	56.4	76.2
5/8	16	10.3	1022941	6.85	55.9	256	51.8	167	38.1	22.1	38.1	67.3	89.0
3/4	18-20	16.0	1022942	8.62	66.0	274	56.4	197	51.1	22.1	51.6	89.4	-
7/8	22	20.0	1022943	12.7	72.9	317	62.2	222	57.7	24.9	55.9	97.3	-
1	26	27.1	1022944	22.5	80.0	371	81.5	251	62.5	32.0	68.1	104	-

* Minimum Ultimate Load is 4 times the Working Load Limit.

S-1317 Clevis Hook

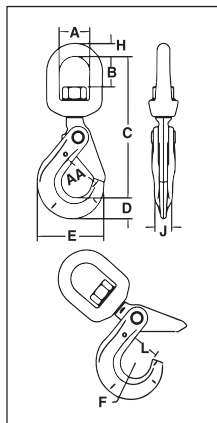
Chain Size		Working Load Limit (t)*	S-1317 Stock No.	Weight Each (kg)	Dimensions (mm)						
(in)	(mm)				C	D	E	G	J	L	AA
-	6	1.5	1028991	.35	87.4	20.1	66.0	121	16.0	29.0	38.1
1/4	7	2.0	1029000	.82	114	27.9	89.0	159	20.6	35.1	51.0
5/16	8	2.6	1029009	.82	114	27.9	89.0	159	20.6	35.1	51.0
3/8	10	4.0	1029018	1.66	140	29.7	112	192	24.1	46.5	63.5
1/2	13	6.8	1029027	3.08	173	42.4	139	242	29.5	56.4	76.2
5/8	16	10.3	1029036	5.40	209	51.8	167	295	38.1	67.3	89.0
3/4	18-20	16.0	1029071	6.80	239	56.4	197	336	51.6	89.4	-
7/8	22	20.0	1029080	12.7	283	62.2	222	392	55.9	97.3	-
1	26	27.1	1029089	22.5	319	81.5	251	468	68.1	104	-

* Minimum Ultimate Load is 4 times the Working Load Limit.

GRADE 100 SHUR-LOC HOOKS



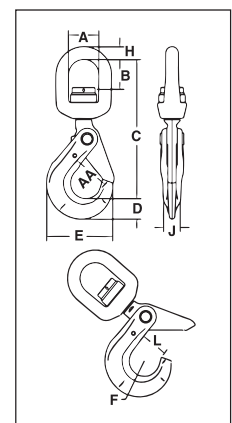
S-1326
SHUR-LOC® Swivel Hook



- Forged Alloy Steel - Quenched and Tempered.
- Individually Proof Tested at 2-1/2 times the Working Load Limit with certification
- Recessed trigger design is flush with the hook bod , protecting the trigger from potential damage.
 - Easy to operate with enlarged thumb access.
- Positive Lock Latch is Self-Locking when hook is loaded.
- Rated for both Wire Rope, (reference page 117 for Wire Rope), and use with Grade 80/100 Chain.
- G-414 Heavy Thimble should be used with wire rope slings.
- Trigger Repair Kit available (S-4316). Consists of spring, roll pin and trigger.
- S-13326 Swivel Hook utilizes anti-friction bearing design which allows hook to rotate freely under load.
- Fatigue rated.
- 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).
- “Look for the Platinum Color – Crosby Grade 100 Alloy Products.”
- U.S. Patent 5,381,650 and foreign equivalents. Use in corrosive environment requires shank and nut inspection in accordance with ASME B30.10-1.10.4(b)(5)(c)2009.



S-13326
SHUR-LOC® Swivel Hook



S-1326 SHUR-LOC® Swivel Hooks • Suitable for infrequent, non-continuous rotation under load.

Chain Size		S-1326 Stock No.	Grade 100 Alloy Chain Working Load Limit (t) 4:1*	Weight Each (kg)	Dimensions (mm)									
(in)	(mm)				A	B	C	D	E	F	H	J	L	AA
—	6	1004304	1.5	.57	38.1	33.5	189	20.1	66.0	17.0	12.7	16.0	28.7	38.1
1/4-5/16	7-8	1004313	2.6	1.18	44.5	40.4	235	27.9	88.9	22.1	16.0	20.6	35.1	51.0
3/8	10	1004322	4.0	2.13	50.8	43.9	274	29.7	112	27.9	19.1	23.9	44.5	63.5
1/2	13	1004331	6.8	3.92	63.5	60.5	351	42.4	139	32.0	25.4	29.5	53.6	76.2
5/8	16	1004340	10.3	7.71	69.9	68.6	410	51.8	167	38.1	28.7	38.1	63.2	89.0
3/4	18-20	1004349	16.0	10.9	71.9	64.0	442	56.4	197	51.1	27.9	51.6	89.4	127
7/8	22	1004358	20.0	13.2	87.4	81.0	418	62.2	222	57.4	33.0	55.9	97.3	152

* Ultimate Load is 4 times the Working Load Limit.

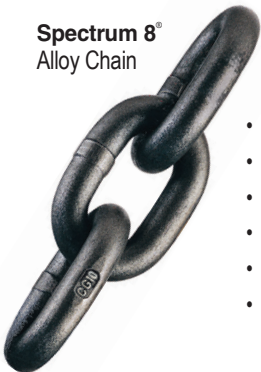
S-13326 SHUR-LOC® Swivel Hooks • Suitable for frequent rotation under load.

Chain Size		S-13326 Stock No.	Grade 100 Alloy Chain Working Load Limit (t) 4:1*	Weight Each (kg)	Dimensions (mm)									
(in)	(mm)				A	B	C	D	E	F	H	J	L	AA
—	6	1004404	1.5	.57	38.1	29.0	157	20.1	66.0	17.0	12.7	16.0	28.7	38.1
1/4-5/16	7-8	1004413	2.6	1.18	44.5	38.6	192	27.9	89.0	22.1	16.0	20.6	35.1	51.0
3/8	10	1004422	4.0	2.13	51.0	40.9	226	29.7	112	27.9	19.1	23.9	46.5	63.5
1/2	13	1004431	6.8	3.92	63.5	51.6	282	42.4	138	32.0	25.4	29.5	53.5	76.2
5/8	16	1004440	10.3	7.71	70.0	57.2	320	52.0	167	38.1	28.7	38.1	63.0	89.0

* Ultimate Load is 4 times the Working Load Limit.

GRADE 80 ALLOY CHAIN

Spectrum 8®
Alloy Chain



- Alloy Steel.
- Heat Treated.
- Finish – Black rust preventative coating.
- Permanently embossed with CG (Crosby Group) and 8 (Grade).
- Proof Tested at 2 times the Working Load Limit with certification
- Standard container – fiber drum

Grade 80 Alloy Chain (Recommended for overhead lifting applications)

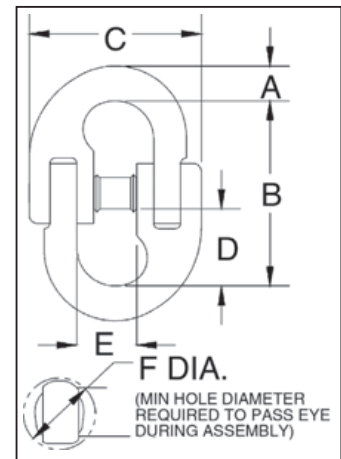
Chain Size (mm)	Spec. 8 Drum Stock No.	Meters Per Drum	Dimensions (mm)	Working Load Limit (t)*	Weight Per Meter (kg)
6	1244915	200	6 x 18	1.1	.80
7	1244985	200	7 x 21	1.5	1.05
8	1245055	200	8 x 24	2.0	1.25
10	1245125	200	10 x 30	3.2	2.20
13	1245195	150	13 x 39	5.3	3.80
16	1245265	100	16 x 48	8.0	5.70
18	1245305	50	18 x 54	10.0	7.30
19	1245356	50	19 x 57	11.2	8.03
20	1245396	50	20 x 60	12.5	9.00
22	1245426	50	22 x 66	15.0	10.90
23	1245453	50	23 x 69	16.0	10.90
26	1245496	50	26 x 78	21.2	15.20
32	1245514	20	32 x 96	31.5	23.00

* Proof loaded at 2 times Working Load Limit. Ultimate Load is 4 times the Working Load Limit.



A-336
Connecting Link

- Forged Alloy Steel - Quenched and Tempered.
- Individually Proof Tested at 2-1/2 times the Working Load Limit with certification
- Easy to assemble - see instructions on page 276.



A-336 LOK-A-LOY® 6 Connecting Link

Chain Size (mm)	A-336 Stock No.	Working Load Limit (t)*	Weight Each (kg)	Dimensions (mm)					Diameter of Hole to Accept Link (mm)
				A	B	C	D	E	
6-7	1014397	1.47	.11	7.85	52.5	42.9	19.8	19.8	12.7
8-10	1014413	3.00	.27	11.4	69.0	58.5	26.9	27.7	16.8
13	1014431	5.10	.54	14.7	85.0	80.5	32.5	35.8	22.4
16	1014459	7.48	1.10	19.8	99.5	100	39.6	42.9	26.9
19	1014477	10.45	1.76	22.6	123	113	50.0	51.0	30.2
22	1014495	13.04	2.75	25.4	148	135	60.5	64.0	35.1
26	1014510	17.58	3.19	27.4	165	154	72.0	65.0	37.3
32	1014538	26.00	6.00	35.1	215	194	96.0	96.0	44.0

* Ultimate Load is 4 times the Working Load Limit.

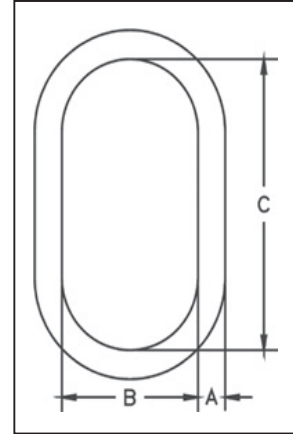
ALLOY MASTER LINKS



A-342
Alloy Master Link

Ratings below are for use with chain slings fabricated in accordance with ASME B30.9. For other applications, see pages 160.

- Alloy Steel – Quenched and Tempered.
- Proof Tested with special fixtures sized to prevent localized point loading. See pages 160 and 276 for proof test values and fixtures
- Crosby 7/8" to 2" 342 master links are type approved to DNV GL-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 page 164 for Crosby COLD TUFF® master links that meet the additional requirements of DNV rules for certification of lifting appliances - Loose Gear.
- 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.
- 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.
- Incorporates patented **QUIC-CHECK®** deformation indicators.



A-342 Alloy Master Links

Size		A-342 Stock No.	Weight Each (kg)	Chain Size		Single Leg		Double Leg		Dimensions (mm)			
(mm)	(in)			(mm)	(in)	WLL Based on Grade 80 Chain (t)*	WLL Based on Grade 100 Chain (t)*	WLL Based on Grade 80 Chain 60° Sling Angle (t)*	WLL Based on Grade 100 Chain 60° Sling Angle (t)*	A	B	C	Deformation Indicator
13W	1/2W	1014266	0.59	7	1/4	1.50	2.00	2.12	2.80	15.7	71.1	127	89
16	5/8	1014280	0.69	8	5/16	2.00	2.50	2.80	3.55	15.7	76.2	152	89
19W	3/4W			10	3/8	3.15	-	-	-	18.5	81.3	152	102
22W	7/8W	3522213	1.50	10	3/8	3.15	4.00	4.25	-	22.4	95.3	162	114
				13	1/2	5.30	6.70	-	-	27.9	109	191	140
26W	1W	3522214	2.77	13	1/2	5.30	6.70	7.50	9.50	33.8	140	241	178
32W	1-1/4W	3522215	5.44	16	5/8	8.00	10.0	11.2	-	40.9	150	267	191
				16	5/8	8.00	10.0	11.2	14.0	44.5	152	305	191
38W	1-1/2W	3522216	8.44	19	3/4	11.2	14.0	16.0	20.0	50.8	178	356	229
44	1-3/4	3522217	11.4	22	7/8	15.0	18.8	21.2	26.5	57.2	203	406	254
				22	7/8	15.0	18.8	21.2	26.5	57.2	203	406	254
51	2	3522218	16.8	26	1	21.2	27.0	-	-	57.2	203	406	254
57	2-1/4	1014422	24.5	26	1	21.2	27.0	30.0	38.0	57.2	203	406	254
63	2-1/2	1014468	68.5	32	1-1/4	31.5	-	-	-	57.2	203	406	254
				32	1-1/4	31.5	40.0	45.0	56.0	57.2	203	406	254
				32	1-1/4	31.5	40.0	45.0	56.0	57.2	203	406	254

* Chain slings require that the Minimum Ultimate Load be 4 times the Working Load Limit. Refer to page 160 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. See chart on page 240 for other sling angles.

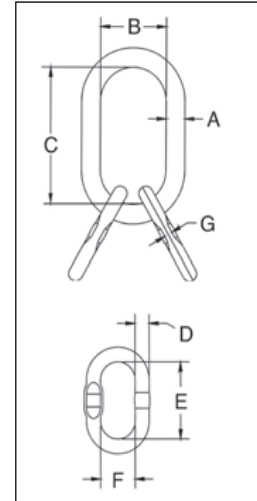
ALLOY MASTER LINKS



A-345
Master Link Assembly
with Engineered Flat

Ratings below are for use with chain slings fabricated in accordance with ASME B30.9. For other applications, see pages 161.

- Alloy Steel – Quenched and Tempered.
- Individually Proof Tested with certification. (See pages 161 for Proof Test values.)
- Proof Tested with 60% inside width special fixtures sized to prevent localized point loading per ASTM A-952. Reference page 276.
- 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.
- 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.
- Incorporates patented **QUIC-CHECK**® deformation indicators.



A-345 Master Link Assembly with Engineered Flat (for use with S-1325A coupler link)

Size		A-345 Stock No.	Weight Each (kg)	Chain Size		Three and Four Leg Sling		Dimensions (mm)								Engineered Flat for S-1325 (mm) – (in)
(mm)	(in)			(mm)	(in)	WLL Based on Grade 80 Chain 0-45° Sling Angle (t)*	WLL Based on Grade 100 Chain 0-45° Sling Angle (t)*	A	B	C	D	E	F	G	Deformation Indicator	
19W	3/4W	1014739	1.59	7	1/4	3.15	4.20	19	81.3	152	14.2	85.1	45.0	7.62	102	7-8mm – 1/4-5/16"
				8	5/16	4.25	-									
22W	7/8W	1014742	2.18	8	5/16	4.25	5.30	22	95.3	162	14.2	85.1	45.0	7.62	114	-
				10	3/8	6.70	-									
26W	1W	1014766	4.22	10	3/8	6.70	8.00	26	109	191	19.1	100	59.9	8.38	140	10mm – 3/8"
				13	1/2	11.2	14.0									
32W	1-1/4W	1014779	7.17	16	5/8	17.0	21.2	32	140	241	25.4	160	89.9	13.0	178	13mm – 1/2"
				16	5/8	17.0	21.2									
38W	1-1/2W	1014807	15.47	19	3/4	23.6	-	38	150	267	31.8	180	100	16.5	191	16mm – 5/8"
				20	3/4	23.6	30.0									
44	1-3/4	1014810	20.87	22	7/8	31.5	39.4	44	152	305	38	152	102	-	190	No Flat
				26	1	45.0	57.0	57	203	406	48	203	140	-	254	No Flat
57	2-1/4	1014845	44.00	26	1	45.0	57.0	57	203	406	48	203	140	-	254	No Flat
				32	1-1/4	67.0	85.0	83	254	508	63	286	203	-	343	No Flat

* Chain slings require that the Minimum Ultimate Load be 4 times the Working Load Limit. Refer to page 161 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. See chart on page 240 for other sling angles.

WELDED MASTER LINKS

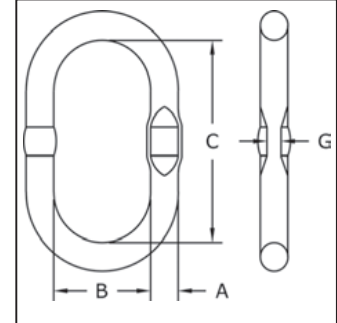


A-344

Welded Master Link

Ultimate Load is 5 times the Working Load Limit. 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. For use with chain slings, refer to page 245 for sling ratings and page 240 for proper master link selection.

- Alloy Steel - Quenched and Tempered.
- Individually Proof Tested to values shown, with certification
- Proof Tested with 70% inside width special fixtures sized to prevent localized point loading per EN 1677-4, reference page 276.
- Each link has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby® or "CG".
- Large inside width and length to allow additional room for sling hardware and crane hook.
- Engineered Flat for use with S-1325A coupler link.
- 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.
- Master links are type approved to DNV Certification Notes 2.7-1-Offshore Containers. These Crosby master links are 100% proof tested and impact tested. The tests are conducted by Crosby and 3.1 test certification is available upon request.
- 12mm through 32mm have Engineered Flat.



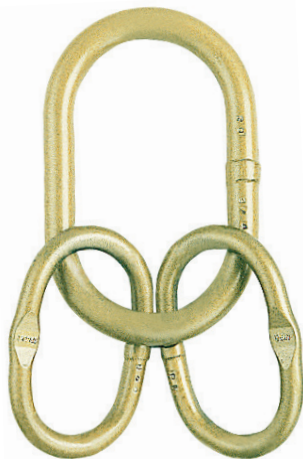
A-344 Welded Master Link with Engineered Flat

Size		A-344 Stock No.	Weight Each (kg)	Single Leg			Double Leg			Dimensions (mm)				Engineered Flat Size for S-1325A (mm)
(mm)	(in)			Chain Size		WLL Based on Grade 8 Chain (t)*	Chain Size		WLL Based on Grade 8 Chain 0-45° Sling Angle (t)*	A	B	C	G	
				(mm)	(in)		(mm)	(in)						
12	7/16	1256862	.30	6	-	1.12	6	-	1.60	12.0	60.0	120	6.50	6
13	1/2	1256932	.36	7	1/4	1.50	-	-	-	13.0	60.0	120	6.50	7-8
17	11/16	1257002	.86	10	3/8	3.15	8	5/16	2.80	17.0	90.0	160	8.50	10
19	3/4	1257072	1.08	13	1/2	5.30	10	3/8	4.25	19.0	90.0	160	8.50	10
20	3/4	1257082	1.17							20.0	80.0	150	-	-
22	7/8	1257214	1.59							22.0	90.0	170	-	-
22	7/8	1257212	1.63	16	5/8	8.00	13	1/2	7.50	22.0	100	180	10.5	13
22	7/8	1257215	2.39							22.0	145	275	-	-
25	1	1257282	2.43	18	-	10.0	-	-	-	25.0	115	210	13.5	16
				19	-	11.2	16	5/8	11.2					
25	1	1257302	2.31							25.0	100	190	-	-
25	1	1257332	3.35							25.0	145	275	-	-
28	1-1/8	1257352	3.22							28.0	110	210	-	-
28	1-1/8	1257382	3.91	20	3/4	12.5	-	-	-	28.0	145	275	13.5	16
31	1-7/32	1257422	4.86	22	7/8	15.0	18	-	14.0	31.0	145	275	15.5	-
				-	-	-	19	-	16.0					
32	1-1/4	1257442	5.30							32.0	140	270	-	-
36	1-7/16	1257492	6.87	25	-	20.0	20	3/4	17.0	36.0	155	285	-	-
				26	1	21.2	22	7/8	21.2					
38	1-1/2	1257502	7.63							38.0	140	270	-	-
40	1-9/16	1257532	8.96	28	-	25.0	-	-	-	40.0	160	300	-	-
45	1-3/4	1257569	10.31							45.0	140	250	-	-
45	1-3/4	1257564	12.70							45.0	170	320	-	-
45	1-3/4	1257562	12.82	32	1-1/4	31.5	25	-	28.0	45.0	180	340	-	-
				-	-	-	26	1	30.0					
50	1-31/32	1257582	17.60							50.0	200	380	-	-
51	2	1257632	17.26	-	-	-	32	1-1/4	45.0	51.0	215	390	-	-
57	2-1/4	1257652	18.72							57.0	203	406	-	-

* Chain slings require that the Minimum Ultimate Load be 4 times the Working Load Limit. Refer to page 162 to determine products actual Ultimate Load. See chart on page 240 for other sling angles.

* There are no manufactured flats on links over 31mm (1 1/4)

WELDED MASTER LINKS

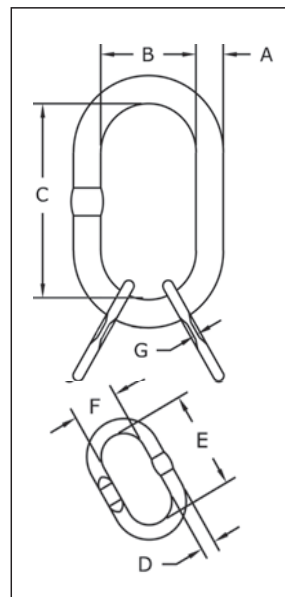


A-347

Welded Master Link

Ultimate Load is 5 times the Working Load Limit. 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. For use with chain slings, refer to page 240 for sling ratings and page 245 for proper master link selection.

- Alloy Steel — Quenched and Tempered.
- Individually Proof Tested to values shown, with certification
- Proof Tested with 70% inside width special fixtures sized to prevent localized point loading per EN 1677-4, reference page 276.
- Forgings have a Product Identification Code (PIC) for material traceability, along with the size, the name Crosby or "CG".
- 347 master links are type approved to DNV Certification Notes 2.7-1- Offshore Containers. These Crosby master links are 100% proof tested 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.
- 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-347 Welded Master Link Assembly with Engineered Flat

Size		A-347 Stock No.	Weight Each (kg.)	Three and Four Leg Sling			Dimensions (mm)							Engineered Flat Size for S-1325 (mm)
(mm)	(in)			Chain Size		WLL Based on Grade 8 0-45° Sling Angle (t)*	A	B	C	D	E	F	G	
				(mm)	(in)									
13/12	1/2	1257692	.82	6	7/32	2.36	13.0	60.0	120	12.0	85.0	45.0	6.00	6
17/13	11/16	1257762	1.58	7	1/4	3.15	17.0	90.0	160	13.0	120	60.0	6.50	7
19/13	3/4	1257832	1.80	8	5/16	4.25	19.0	90.0	160	13.0	120	60.0	6.50	8
22/20		1257977	3.93				22.0	90.0	170	20.0	150	80.0	—	—
22/17	7/8	1257972	3.35	10	3/8	6.70	22.0	100	180	17.0	160	90.0	8.50	10
22/16		1257979	3.53				22.0	145	275	16.0	120	60.0	—	—
25/20		1258122	4.65				25.0	100	190	20.0	150	80.0	—	—
25/19		1258102	5.51				25.0	145	275	19.0	160	90.0	—	—
28/22		1258162	6.40				28.0	110	210	22.0	170	90.0	—	—
28/22	1-1/8	1258142	7.17	13	1/2	11.2	28.0	145	275	22.0	180	100	10.5	13
31/25	1-7/32	1258182	9.72	16	5/8	17.0	31.0	145	275	25.0	210	115	13.5	16
32/25		1258202	9.92				32.0	140	270	25.0	190	100	—	—
36/28		1258222	12.20				36.0	145	275	28.0	190	100	—	—
38/32		1258224	18.23				38.0	140	270	32.0	270	140	—	—
40/31	1-9/16	1258332	18.68	19	3/4	23.6	40.0	160	300	31.0	275	145	—	—
45/38		1258422	27.96				45.0	170	320	38.0	270	140	—	—
45/36	1-3/4	1258402	26.56	22	7/8	31.5	45.0	180	340	36.0	285	155	—	—
50/38		1258442	32.86				50.0	200	380	38.0	270	140	—	—
51/45	2	1258462	42.92	26	1	45.0	51.0	190	350	45.0	340	180	-	—
57/50		1258482	59.70				57.0	203	406	50.0	380	200		—

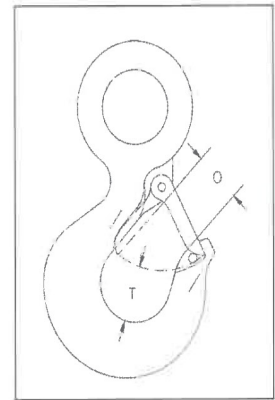
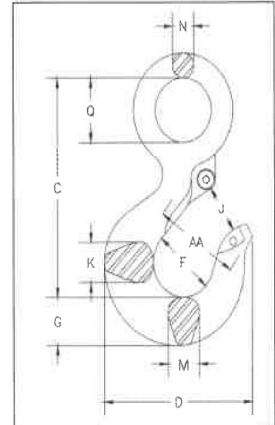
* Chain slings require that the Minimum Ultimate Load be 4 times the Working Load Limit. Refer to page 163 to determine products actual Ultimate Load. See chart on page 240 for other sling angles. ** There are no manufactured flats on links over 31mm (1 1/4)

GRADE 80 ALLOY EYE HOOK

S-320AN



- Crosby S-320AN Eye Hoist Hooks
- Forged Alloy Steel - Quenched and Tempered.
- Can be proof tested to 2-1/2 times the Working Load Limit (4:1).
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and Crosby & U.S.A. in raised letters.
- Working Load Limit for Wire Rope forged on raised lettering pad to allow user to grind off quickly and easily without affecting hook.
 - Crosby recommends grinding the Working Load Limit (which is for a 5 to 1 Design Factor) off the hook when using with Grade 80 chain.
- Hoist hooks incorporate two types of strategically placed markings forged into the product which address two (2) **QUIC-CHECK®** features: Deformation Indicators and Angle Indicators.
- Low profile hook tip.
- New integrated latch (S-4320) meets the World class standard for lifting.
 - Heavy duty stamped latch interlocks with the hook tip.
 - High cycle, long life spring.
 - When secured with proper cotter pin through the hole in the tip of hook, meets the intent of OSHA Rule 1926.550 (g) for personnel lifting.
- Meets ASTM A-952-96 and proposed Euronorm standards for Grade 80 chain fittings.
- Suitable for use with Grade 80 chain in overhead lifting applications as long as hook is Proof Tested as part of the chain sling assembly or as an individual component. Per ANSI B30.9-1.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- "Look for the color Gold - Crosby Alloy Products."



Crosby S-320AN Eye Hoist Hook Featuring an Engineered Flat and Integrated Latch

Grade 80 Alloy Chain Size		Working Load Limit (lbs.) 4:1 *	Hook ID Code	Working Load Limit for Wire Rope (Tons) 5:1	S-320AN Stock No.	Weight Each (lbs.)	Replacement Latch Stock No.	Recommended Cotter Pin Dimensions (in.)	
(in.)	(mm)							Dia.	Length
-	6	2500	DA	1	1022375	.61	1096325	1/8	3/4
1/4-5/16	7-8	4500	GA	2	1022397	1.44	1096421	1/8	1
3/8	10	7100	HA	3	1022406	2.07	1096468	3/16	1-1/4
1/2	13	12000	IA	5	1022419	4.30	1096515	1/4	1-1/2
5/8	16	18100	JA	7	1022430	8.30	1096562	5/16	2
3/4	20	28300	KA	11	1022441	15.00	1096609	5/16	2
7/8	22	34200	LA	15	1022452	20.77	1096657	3/8	3
1	26	47700	NA	22	1022465	39.50	1096704	3/8	3

* Minimum Ultimate Load is 4 times the Working Load Limit.

Hook ID Code	Dimensions (in.)											Deformation Indicator
	C	D	F	G	J	K	M	N	O	Q	T	
DA	3.34	2.83	1.25	.73	.90	.63	.63	.36	.89	.75	.87	1.50
GA	4.14	3.53	1.50	1.00	1.00	.88	.88	.55	1.00	1.13	1.03	2.00
HA	4.69	3.97	1.63	1.13	1.13	.94	.94	.58	1.09	1.25	1.16	2.00
IA	5.77	4.81	2.00	1.44	1.47	1.31	1.31	.72	1.36	1.56	1.53	2.50
JA	7.37	6.27	2.50	1.81	1.75	1.66	1.66	.90	1.61	2.00	1.96	3.00
KA	9.16	7.50	3.00	2.25	2.41	1.88	1.63	1.11	2.08	2.44	2.47	4.00
LA	10.19	8.37	3.25	2.57	2.62	2.19	1.94	1.27	2.27	2.84	2.62	4.00
NA	12.82	10.34	4.25	2.97	3.41	2.69	2.38	1.57	3.02	3.50	2.83	5.00

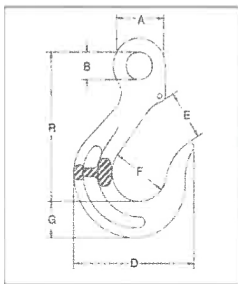
GRADE 80 ALLOY FITTINGS

A-327



- Alloy Steel - Quenched and Tempered.
- Individually Proof Tested at 2-1/2 times the Working Load Limit with certification.
- S-4088 Latch Kit fits hooks.

A-327 Eye Sling Hook



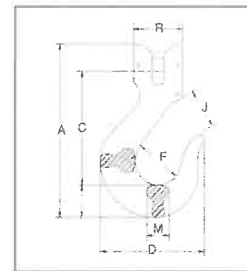
Chain Size (in.)	A-327 Stock No.	Working Load Limit (lbs.)*	Weight Each (lbs.)	Dimensions (in.)							Replacement Latch Stock No.
				A	B	D	E	F	G	R	
9/32 (1/4)	1003764	3500	.81	1.34	.56	3.47	1.44	1.76	.90	3.72	1090250
3/8	1003773	7100	2.10	1.82	.75	4.56	1.78	2.24	1.25	4.83	1090251
1/2	1003782	12000	3.71	2.26	.94	5.50	2.12	2.50	1.55	5.67	1090252
5/8	1003791	18100	6.40	2.75	1.15	6.50	2.41	2.88	1.88	6.61	1090253
3/4	1003808	28300	9.80	3.26	1.34	7.36	2.69	3.27	2.16	7.64	1090254
7/8	1003817	34200	15.40	3.72	1.44	8.48	3.06	3.62	2.45	8.56	1090255

* Ultimate Load is 4 times the Working Load Limit.

A-339



- Alloy Steel - Quenched and Tempered.
- Individually Proof Tested at 2-1/2 times the Working Load Limit with certification.
- Pin locking requires no special tools.
- S-4088 Latch fits 3/4" & 7/8" hooks.



A-339 Clevis Sling Hook

Chain Size		A-339 Stock No.	Working Load Limit (lbs.)*	Weight Each (lbs.)	Dimensions (in.)						
(in.)	(mm)				A	C	D	F	G	J	M
3/4	19	1027793	28300	11.5	11.56	6.69	7.36	3.25	2.16	2.69	1.58
7/8	22	1027800	34200	17.7	13.13	7.61	8.48	3.63	2.45	3.06	1.75

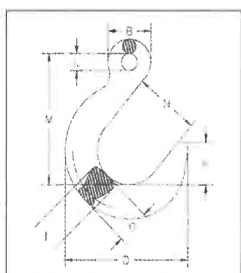
* Ultimate Load is 4 times the Working Load Limit.

A-329



- Alloy Steel - Quenched and Tempered.
- Individually Proof Tested at 2-1/2 times the Working Load Limit with certification.

A-329 Eye Foundry Hook



Chain Size (in.)	A-329 Stock No.	Working Load Limit (lbs.)*	Weight Each (lbs.)	Dimensions (in.)								
				B	D	I	K	L	M	N	O	
9/32 (1/4)	1026179	3500	2.40	1.56	4.75	1.00	1.56	.63	4.75	2.50	1.23	
3/8	1026197	7100	4.50	2.00	5.69	1.27	1.88	.75	5.75	3.00	1.50	
1/2	1026213	12000	7.10	2.50	6.75	1.50	2.22	1.00	6.88	3.50	1.75	
5/8	1026231	18100	12.20	3.00	7.81	1.81	2.63	1.25	8.06	4.00	2.03	
3/4	1026259	28300	19.30	3.50	9.13	2.20	3.50	1.50	9.25	4.50	2.56	
7/8	1026277	34200	26.30	4.00	10.06	2.25	3.38	1.75	10.38	5.00	2.78	

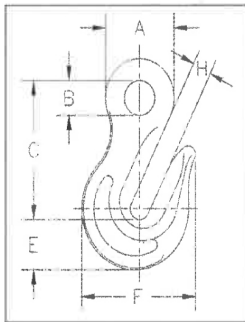
* Ultimate Load is 4 times the Working Load Limit.

GRADE 80 ALLOY FITTINGS

A-328



- Alloy Steel - Quenched and Tempered.
- Individually Proof Tested at 2-1/2 times the Working Load Limit with certification.
- The use of A-328 Eye Grab Hook will result in a 20 percent reduction in chain 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.



A-328 Eye Grab Hook

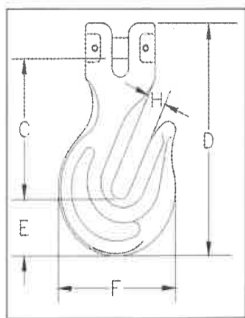
Chain Size (in.)	A-328 Stock No.	Working Load Limit (lbs.)*	Weight Each (lbs.)	Dimensions (in.)					
				A	B	C	E	F	H
9/32 (1/4)	1026017	3500	.60	1.38	.59	2.56	.91	2.16	.38
3/8	1026035	7100	1.20	1.80	.80	3.25	1.16	3.00	.50
1/2	1026053	12000	3.00	2.25	.98	4.19	1.69	4.00	.63
3/4	1026099	28300	8.25	3.22	1.36	5.95	2.19	5.47	.88
7/8	1026115	34200	11.90	3.70	1.55	6.88	2.56	6.31	1.06

* Ultimate Load is 4 times the Working Load Limit.

A-338



- Alloy Steel - Quenched and Tempered.
- Individually Proof Tested at 2-1/2 times the Working Load Limit with certification.
- Pin locking requires no special tools.
- The use of A-338 Clevis Grab Hook will result in a 20 percent reduction in chain 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.



A-338 Clevis Grab Hook

Chain Size (in.)	A-338 Stock No.	Working Load Limit (lbs.)*	Weight Each (lbs.)	Dimensions (in.)				
				C	D	E	F	H
9/32 (1/4)	1027659	3500	.62	2.61	4.17	.89	2.16	.38
3/8	1027677	7100	1.26	3.21	5.21	1.16	3.00	.50
1/2	1027686	12000	3.45	4.19	6.95	1.69	4.00	.62
5/8	1027695	18100	5.64	5.03	8.25	1.88	4.64	.75
3/4	1027702	28300	10.40	5.95	9.97	2.19	5.26	.88
7/8	1027711	34200	13.62	6.92	11.56	2.56	6.12	1.00

* Ultimate Load is 4 times the Working Load Limit.

GRADE 80 SHUR-LOC HOOKS

S-326A



- Forged Alloy Steel - Quenched and Tempered.
- Individually Proof Tested at 2-1/2 times the Working Load Limit with certification.
- Positive Lock Latch is Self-Locking when hook is loaded.
- Rated for both Wire Rope and Grade 8 Chain.
- G-414 Heavy Thimble should be used with wire rope slings.
- Trigger repair kit available (S-4316). Consists of spring, roll pin and trigger.
- S-3326 Swivel Hook utilizes anti-friction bearing design which allows hook to rotate freely under load.
- Fatigue rated.
- The SHUR-LOC® hook, if properly installed and locked, can be used for personnel lifting applications and meets the intent of OSHA Rule 1926.550 (g) (4) (iv) (B).
- "Look for the color Gold - Crosby Alloy Hooks".
- U.S. Patent 5,381,650 and foreign equivalents.

S-3326



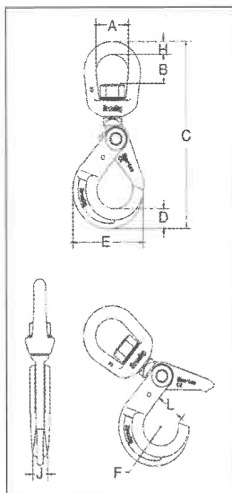
Use in corrosive environment requires shank and nut inspection in accordance with ASME B30.10-1.2.1(b)(2)(c)2000.

S-326A SHUR-LOC® Swivel Hooks

- Suitable for infrequent, non-continuous rotation under load.

Chain Size		S-326A Stock No.	Grade 8 Alloy Chain Working Load Limit (lbs.) 4:1*	Dimensions (in.)									Weight Each (lbs.)
(in.)	(mm)			A	B	C	D	E	F	H	J	L	
-	6	1004201	2500	1.50	1.32	6.13	.79	2.60	.67	.50	.63	1.13	1.26
1/4-5/16	7-8	1004210	4500	1.75	1.59	7.60	1.10	3.50	.87	.63	.81	1.38	2.62
3/8	10	1004223	7100	2.00	1.73	8.83	1.17	4.39	1.10	.75	.94	1.83	4.70
1/2	13	1004234	12000	2.50	2.38	11.20	1.67	5.45	1.26	1.00	1.16	2.11	8.64
5/8	16	1004235	18100	2.75	2.53	12.98	2.05	6.56	1.50	1.13	1.50	2.49	17.00
3/4	18-20	1004244	28300	2.83	2.52	17.24	2.02	7.38	2.01	1.10	1.89	3.52	22.00

* Ultimate Load is 4 times the Working Load Limit based on Grade 8 Chain.

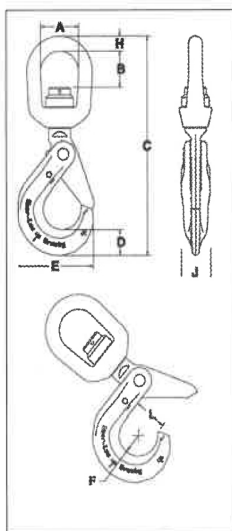


S-3326 SHUR-LOC® Swivel Hooks with Bearing

- Suitable for frequent rotation under load.

Chain Size		S-3326 Stock No.	Grade 8 Alloy Chain Working Load Limit (lbs.) 4:1*	Dimensions (in.)										Weight Each (lbs.)
(in.)	(mm)			A	B	C	D	E	F	H	J	L		
-	6			1028806	2500	1.50	1.03	7.44	.79	2.60	.67	.50	.63	
1/4-5/16	7-8	1028815	4500	1.75	1.50	9.25	1.10	3.50	.87	.63	.81	1.44	3.10	
3/8	10	1028824	7100	2.00	1.56	10.78	1.16	4.35	1.10	.75	.94	1.83	5.26	
1/2	13	1028833	12000	2.50	2.00	13.19	1.66	5.45	1.26	1.00	1.16	2.19	11.22	
5/8	16	1028842	18100	2.75	1.94	15.72	2.05	6.56	1.50	1.13	1.50	2.61	17.32	

* Ultimate Load is 4 times the Working Load Limit based on Grade 8 Chain.

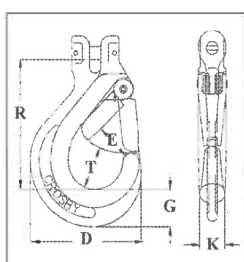


GRADE 80 LATCHING CLEVIS HOOK

S-314A



- Hook is Forged Alloy Steel - Quenched and Tempered.
- Individually Proof Tested at 2-1/2 times the Working Load Limit with certification.
- Integrated heavy duty latch.
- Large throat opening.
- Anti-fouling due to carefully designed contours.
- Meets ASTM A-952-96 and proposed Euronorm standards for Grade 80 chain fittings.
- Fatigue rated.
- "Look for the color Gold - Crosby Alloy Hooks."



S-314A

Clevis Chain Hook with Integrated Latch

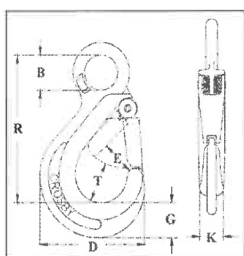
Chain Size		S-314A Stock No.	Grade 8 Alloy Chain Working Load Limit (lbs.) 4:1*	Weight Each (lbs.)	Dimensions (in.)						Replacement Latch Stock No.
(in.)	(mm)				D	E	G	K	R	T	
-	6	1225020	2500	.69	2.60	.81	.79	.63	2.84	1.02	1291332
1/4 - 5/16	7 - 8	1225021	4500	1.53	3.50	1.08	1.10	.81	3.83	1.28	1291402
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

* Ultimate Load is 4 times the Working Load Limit.

S-315A



- Hook is Forged Alloy Steel - Quenched and 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.
- Large throat opening.
- Anti-fouling due to carefully designed contours.
- "Engineered Flat" for use with S-1325A Coupler Link.
- Meets ASTM A-952-96 and proposed Euronorm standards for Grade 80 chain fittings.
- Fatigue rated.
- "Look for the color Gold - Crosby Alloy Hooks."



S-315A

Eye Chain Hook with Integrated Latch

Chain Size		S-315A Stock No.	Grade 80 Alloy Chain Working Load Limit (lbs.) 4:1	Working Load Limit for Wire Rope (Tons) 5:1	Weight Each (lbs.)	Dimensions (in.)							Replacement Latch Stock No.
(in.)	(mm)					B	D	E	G	K	R	T	
-	6	1029820	2500	1	.56	.79	2.60	.81	.79	.63	3.33	1.02	1291332
1/4-5/16	7-8	1029825	4500	2	1.31	1.10	3.50	1.08	1.10	.81	4.62	1.28	1291402
3/8	10	1029830	7100	3	2.60	1.42	4.35	1.42	1.16	.94	6.20	1.66	1291472
1/2	13	1029835	12000	5	4.70	1.81	5.45	1.52	1.67	1.16	7.33	1.94	1291542
5/8	16	1029840	18100	7	8.55	2.20	6.56	1.91	2.05	1.50	8.94	2.32	1291612

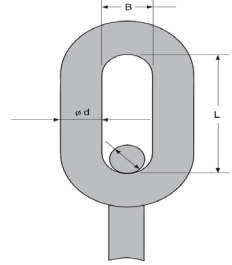
* Ultimate Load is 4 times the Working Load Limit.

COMMERCIAL CHAIN

❖ MID STEEL CHAIN (일반체인, A급체인)



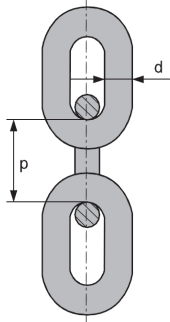
- 사용용도 : 오락방지용, 어망용, 개줄용, 잠금쇠고리등
인장을 요하지 않은곳
- 사용하중은 품질상태에 따라 일정하지 않습니다.



D/A	L	B	S.W.L(T)		PROOF LOAD(T)		Kg/M 1m(kg)
			G1	G2	G1	G2	
3	23	5.5	0.06	—	—	—	0.15
4	24	7	0.11	—	—	—	0.20
5	23.5	9	0.19	—	—	—	0.48
5.5(L)	45	10	0.2	—	—	—	0.49
6	28	10.5	0.27	—	—	—	0.69
7	30	11	0.32	—	—	—	0.95
7(L)	50	11	0.32	—	—	—	0.81
8	35	11.5	0.48	—	—	—	1.23
9	39	12.5	0.61	—	—	—	1.55
11	33	17	0.91	—	2.27	—	2.61
11	44	17	0.91	—	2.27	—	2.36
12	39	18	1	—	2.7	—	3.1
12	52	18	1	—	2.7	—	2.77
13	39	20	1.27	1.55	3.18	3.87	3.64
13	52	20	1.27	1.55	3.18	3.87	3.3
15	70	23	1.69	2	4.22	5.2	4.3
16	50	24	1.92	2.36	4.8	5.86	5.51
16	64	24	1.92	2.36	4.8	5.86	5
19	60	29	2.72	3.32	6.8	8.27	7.77
19	76	29	2.72	3.32	6.8	8.27	7.04
22	88	32	3.64	4.45	9.1	11.08	9.44
25	100	40	4.7	5.75	11.75	14.31	12.09
28	112	42	5.9	7.21	14.74	17.95	15.29
30	120	45	6.77	8.28	16.92	20.61	17.55
32	128	48	7.7	9.42	19.25	23.45	19.97
34	136	51	8.69	10.64	21.73	26.47	22.55
36	144	54	9.74	11.92	24.36	29.68	25.28
38	152	57	10.86	13.28	24.15	33.07	28.16
40	160	60	12.03	14.72	30.08	36.64	31.2
42	168	63	13.26	16.23	33.16	40.4	34.4
55	176	66	14.56	17.81	36.4	44.33	37.76
46	184	69	15.91	19.47	39.78	48.47	41.27
48	192	72	17.33	21.2	43.32	52.76	44.93
50	200	75	18.8	23	47	57.25	48.75

ALLOY STEEL CHAIN

◆ GRADE80 CHAIN



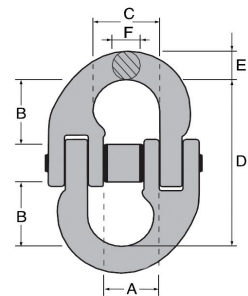
- 사용용도 : 중량물을 운반하는 용도로 주로 사용하는 고강도 체인입니다. 안전도가 와이어로프보다 훨씬 뛰어나고, 경쟁적이며 유연성이 좋아 작업이 편리합니다.
- 재 질 : 합금강
- 사용하중은 품질과 상태에 따라 일정하지 않습니다.
- 고객의 요청에 따라 도금처리 가능

Chain Diameter (mm)	Inside Link Length (mm)	Outside Width (mm)	Approx. Links per (mm)	Approx. mass / m (mm)	S.W.L (T)
6	18	22	55.6	0.8	1.2
8	24	28	41.6	1.4	2
10	30	37	33.3	2.23	3.2
13	39	48	25.6	3.7	5.4
16	48	57	20.8	5.71	8.2
20	60	70	16.7	8.92	12.8
22	66	78	15.2	10.8	15.5
25.5	78	96	12.8	15.04	21.6
32	96	118	10.4	22.8	32.8
36	108	133	—	35.6	41.5
40	120	148	—	45.04	51.2

◆ GRADE80 CONNECTING LINK



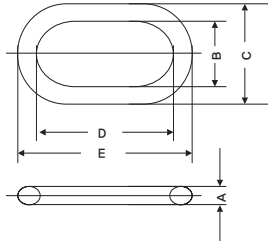
- 체인과 체인 / 장치등을 연결하는 역할
- 사용하중 초과 및 변형시 사용금지
- 제품의 개조, 변형금지
- 제품제원표를 참조하여 충격량과 작업조건에 맞게 제품을 선택하시기 바랍니다.



Chain Size		S.W.L (T)	Dimensions(mm)						Weight (kg)
(mm)	(in)		A	B	C	D	E	F	
6	1/4	1.12	16	18	16.5	43	7.2	6.8	0.07
7	9/32	1.5	18.5	20	20	49	8.5	7.7	0.1
8	5/16	2	22.7	26	25	70	9.4	9	0.25
10	3/8	3.15	25	32	27	77	12	11	0.35
13	1/2	5.3	30	35	32	85	15.5	15.5	0.68
16	5/8	8	36	43	39	103	18.5	18.5	1.1
20	3/4	12.5	44	48	47	116	23	23	1.7
22	7/8	15	49	51	55	138	26.5	26.5	2.2
25.5	1	21.2	60	60	66	148	31.5	31.5	4.2
32	1 1/4	31.5	67	69	79	183	37	37	7.19

MASTER LINK

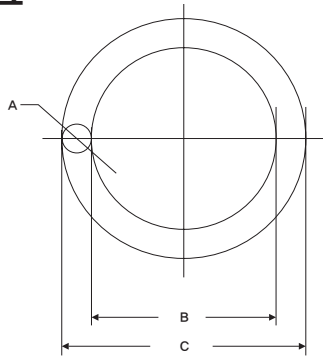
❖ 마스터 링크



- 재 질 : 합금강 단강품
- 시험하중 : 보증하중 = 사용하중 × 2
보증하중 = 사용하중 × 5
- 참고규격 : ASTM A 952
- 기 타 : 체인 슬링용으로 사용하는 경우에는 슬링 각도 등을 감안한 체인의 사용하중에 따른다.

규격 (inch)	사용하중 (ton)	치수(mm)					무게 (kg)
		A	B	C	D	E	
1/2	2.8	12.5	62	87	125	150	0.4
5/8	4	16	76	108	152	184	0.7
3/4	5.6	19	70	108	140	178	0.9
7/8	6.8	22.5	95	140	162	207	1.5
1	11	25	90	140	178	228	2.1
1-1/4	16.4	32	111	175	222	286	4.2
1-1/2	24.5	38	133	209	267	343	7.2
1-3/4	38	45	150	240	300	390	11.4
2	46	51	170	272	340	442	16.6
2-1/4	65	58	200	316	400	516	24.8

❖ 센터 링크



- 재 질 : 합금강 단강품
- 시험하중 : 보증하중 = 사용하중 × 2
보증하중 = 사용하중 × 5
- 표면처리 : 용융아연도금

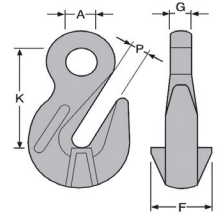
규격 (inch)	사용하중 (ton)	치수(mm)			무게 (kg)
		A	B	C	
1-3/4	25	45	245	335	11.4
2	30	51	279	381	16.6
2-1/4	42	58	322	438	24.8
2-1/2	47	64	330	458	31
2-3/4	64	70	378	518	42
3	67	77	377	531	52
3-1/2	82	89	491	669	89
4	106	102	491	695	120
4-1/2	110	115	573	803	175
5	116	128	622	878	240

HOOK



❖ GR80 EYE GRAB HOOK WITH WINGS (G80 E/G 훅크-유럽형)

- 체인, 와이어 등과 결합하여 중량물을 걸고 리프팅하거나 이동하는데 사용
- 사용하중 초과 및 변형시 사용금지
- 제품의 개조, 변형금지
- 제품제원표를 참조하여 충격량과 작업조건에 맞게 제품을 선택하시기 바랍니다.

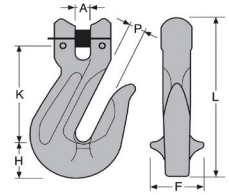


Chain Size (mm)	S.W.L (T)	Dimensions (mm)					Weight (kg)
		P	A	G	K	F	
6-8	1.2	110	28	8	73	33.5	0.14
7/8-8	2	134	34	9.5	88	33.5	0.25
10-8	3.2	170	45	13	121	46	0.65
13-8	5.4	206	54	15.5	158	57	1.4
16-8	8.2	249	63	19	169	72	2.1
20-8	12.5	273	81	23	259	74	6.4
22-8	15.5	320	82	26	259	90	6.4
1-1/4	32	36	56	41	220	121	18.54



❖ GR80 CLEVIS GRAB HOOK WITH WINGS (G80 C/G 훅크-유럽형)

- 체인, 와이어 등과 결합하여 중량물을 걸고 리프팅하거나 이동하는데 사용
- 사용하중 초과 및 변형시 사용금지
- 제품의 개조, 변형금지
- 제품제원표를 참조하여 충격량과 작업조건에 맞게 제품을 선택하시기 바랍니다.

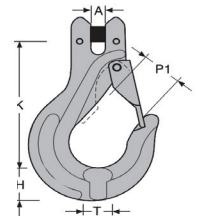


Chain Size (mm)	S.W.L (T)	Dimensions (mm)					Weight (kg)
		L	P	A	K	F	
6	1.12	80	8	7.5	42	26	0.2
7.8	2	100	10.8	12	55	33.5	0.28
10	3.15	120	13.5	12.5	75	46	0.73
13	5.3	160	16.5	14.5	92	57.5	1.6
16	8.2	180	19.2	19	98	74	2
20	12.5	220	22	23.5	113	85	4.25
22	15	260	27	26.5	140	92	9.8
26	21.1	300	30	29	170	100	11.5



❖ GR80 CLEVIS SAFETY SLING HOOK (G80 C/S 훅크-유럽형)

- 체인, 와이어 등과 결합하여 중량물을 걸고 리프팅하거나 이동하는데 사용
- 사용하중 초과 및 변형시 사용금지
- 제품의 개조, 변형금지
- 제품제원표를 참조하여 충격량과 작업조건에 맞게 제품을 선택하시기 바랍니다.



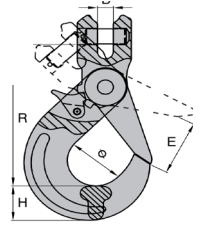
Chain Size (mm)	S.W.L (T)	Dimensions (mm)					Weight (kg)
		A	K	P1	T	H	
6	1.12	7.5	75	22	16	26	0.49
8	2	9.5	104	26	22.5	30	0.67
10	3.15	12	128	31	29	40	1.36
13	5.3	13.5	175	45	41	48	3.2
16	8	21	180	48	45	52	4
18.2	12.5	23	195	62	52	53	6.7
22	15	25.5	225	70	50	60	8
26	21.2	34	220	100	59	78	15

HOOK



❖ GR80 SAFETY HOOK CLEVIS TYPE (안전레치훅크-클레비스형)

- 기계의 비정상적인 부하와 다양한 상황의 하중에 대해 용이하게 사용할 수 있다.
- 사용하중 초과 및 변형시 사용금지
- 제품의 개조, 변형금지
- 제품제원표를 참조하여 충격량과 작업조건에 맞게 제품을 선택하시기 바랍니다.
- Minimum Breaking Load = 4 × Safety Working Load

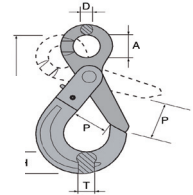


Size (mm)	S.W.L (T)	B.T.L (T)	Dimensions (mm)					Weight (kg)
			E	B	H	Φ	R	
6	1.12	4.48	29	8.5	19.5	34	95.5	0.5
7/8	2	8	34	9.5	24	46	121	0.8
10	3.15	12.6	44	12	28.5	56	146	1.5
13	5.3	21.2	52	15	40	69	182	2.8
16	8	32	60	18	50.5	86	218	5.6
20	12.5	50	83	25	55	100	240	7.5
22	15	60	88	25.5	67	98	276.5	11.5
26	21.2	84.8	95.5	30	75	110	310.5	18.5
32	31.5	126	160	36	97	166	411.5	49.1



❖ GR80 SAFETY HOOK EYE TYPE (안전레치훅크-아이형)

- 체인, 와이어 등과 결합하여 중량물을 걸고 리프팅하거나 이동하는데 사용
- 사용하중 초과 및 변형시 사용금지
- 제품의 개조, 변형금지
- 제품제원표를 참조하여 충격량과 작업조건에 맞게 제품을 선택하시기 바랍니다.

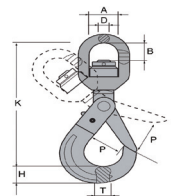


Chain Size (mm)	S.W.L (T)	Dimensions (mm)						Weight (kg)
		K	P	A	D	T	H	
6	1.2	110	28	22	10	15	19	0.5
7.8	2	134	34	25	12	19	24	0.8
10	3.2	170	45	32	13	24	31	1.5
13	5.4	206	54	40	17	27	40	3.2
16	8.2	249	63	56	22	36	53	6.1
18.2	12.5	273	81	64	24	47	55	7.5
22	15.5	320	82	70	25	48	64	14
26	21.2	363	110	80	34	75	75	18
32	31.5	470	155	105	45	97	100	44.5



❖ GR80 SAFETY HOOK SWIVEL TYPE (안전레치훅크-슈벨형)

- 체인, 와이어 등과 결합하여 중량물을 걸고 리프팅하거나 이동하는데 사용
- 사용하중 초과 및 변형시 사용금지
- 제품의 개조, 변형금지
- 제품제원표를 참조하여 충격량과 작업조건에 맞게 제품을 선택하시기 바랍니다.



Chain Size (mm)	S.W.L (T)	Dimensions (mm)							Weight (kg)
		K	P	B	A	D	T	H	
6	1.2	150	28	23	33	11	15	20	0.8
7.8	2	185	34	27	34	13	19	24	1.2
10	3.2	217	45	35	42	16	23	30	2.5
13	5.4	268	54	41	48	21	27	40	4.5
16	8.2	330	62	54	61	22	37	49	8
18.2	12.5	365	78	70	72	24	45	57	12
22	15	390	84	95	97	33	50	67	16