



Trawl Fishing



Tough working environments require products you can trust



Kito Crosby's extensive fishing product range has been developed by the industry for the industry.

Our products have all been created with the end-user in mind. By designing the range with experienced trawler professionals and the use of extensive sea-going research, our solutions have proven to be the most versatile and cost-effective method of trawl rigging available.

The complete range is enhanced with super strength capabilities due to the special steels and heat treatment used. The heat treatment also ensures that ductility is retained ensuring that the range is highly resistant to the effects of shock loading and wear.

Reliability, in everything we do. Uncompromised quality leads to higher performance and lower risks.

Benefits of a Vertically Integrated Supply Chain

- Controls the process from raw materials to finish good, ensuring a high level of quality and consistency due to multiple inspections
- Responsibility of quality and safety as a single owner
- Most direct line to the manufacturer
- Fewest hand-offs
- Highest level of accountability



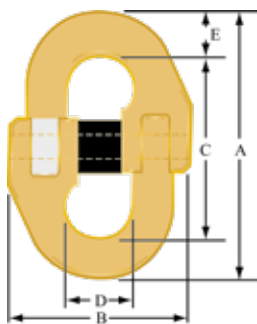
Product reliability & quality

- Every single product is designed to the highest safety standards
- Solid and consistent quality processes with full traceability on all products and a thorough testing regime including proof loading and fatigue testing
- All critical processes performed in-house



Customer support

- Extensive local inventory and expertise
- Unrivalled worldwide customer support, 24/7, with decades of combined experience in the rigging and material handling industry



Crosby Trawlex® Component Connector TLN

Chain size mm	Stock No.	Model	Weight Each (kg)	Dimensions (mm)				
				A	B	C	D	E
7	2780583	TL7N	0.11	67	49	48	14.3	9
10	2780592	TL10N	0.36	89	66	64	19.2	13
13	2780609	TL13N	0.66	188	85	85	26.5	17
16	2780618	TL16N	1.08	144	96	106	32	19
19	2780627	TL19N	1.77	168	115	122	38.5	23
23	2780636	TL23N	2.8	206	140	150	49	28
26	2780645	TL26N	4.4	230	163	166	57	32
32	2780654	TL32N	8.4	278	210	200	63	39

- TL connectors with rolled bushes available on request.
- Selected sizes are available with Double Protection.

Fulfills requirements in: EN 1677:2008. Individually Proof Tested to 2.5 x WLL.

Crosby Trawlex® Chain & Component Connector Spares

Component Connector TL

Pin		Bush	
Model	Stock No.	Model	Stock No.
TL7PIN	2784222	TL7BUSH	2784142
TL10PIN	2784231	TL10BUSH	2784151
TL13PIN	2784240	TL13BUSH	2784160
TL16PIN	2784259	TL16BUSH	2784179
TL19PIN	2784268	TL19BUSH	2784188
TL23PIN	2784277	TL23BUSH	2784197
TL26PIN	2784286	TL26BUSH	2784204
TL32PIN	2784295	TL32BUSH	2784213

Roller bushes available on request.



Locking set SKA

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

Model	Stock No.	Weight (kg)	Model	Stock No.	Weight (kg)
SKA-6-8	Z700674	0.01	SKA-18/20-8	Z145048	0.3
SKA-7/8-8	Z323624	0.02	SKA-22-8	Z133530	0.4
SKA-10-8	Z318024	0.05	SKA-26-8	Z605407	0.6
SKA-13-8	Z303822	0.1	SKA-32-8	Z650554	1.1
SKA-16-8	Z303725	0.2			

Locking set SKAF

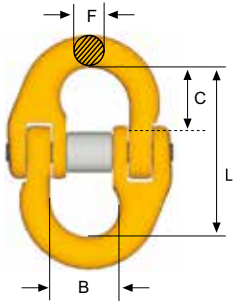
SKAF locking set for GF-link, consists of a straight load pin

Model	Stock No.	Weight (kg)
SKAF-10-8	Z650562	0.05
SKAF-13-8	Z650570	0.10
SKAF-16-8	Z650588	0.15

Coupling Link G

Chain size mm	Stock No.	WLL (t)*	Model	Weight Each (kg)	Dimensions (mm)				
					A	B	C	F	L
6	Z622882	1.12	G-6-8	0.1	8	15	17	7	45
7, 8	Z279333	2.0	G-7/8-8	0.2	11	18	22	9	56
10	Z279430	3.2	G-10-8	0.3	13	25	26	11	68
13	Z279537	5.4	G-13-8	0.7	16	30	33	15	89
16	Z279634	8.2	G-16-8	1.2	20	36	40	19	105
19	Z279731	12.8	G-18/20-8	1.9	23	43	47	22	125
22	Z279838	15.5	G-22-8	3.0	26	50	59	24	152
26	Z349171	21.7	G-26-8	5.2	33	58	61	30	161
32	Z349189	32.8	G-32-8	9.9	40	70	77	38	200

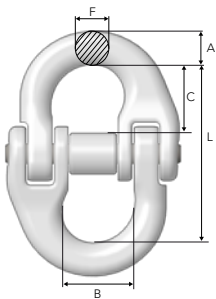
Fulfills requirements in: EN 1677:2008, ISO 8539:2009, ASTM A952/A952M, AS 3776:2015 and SANS 1595:2003



Coupling Link G HDG

Stock No.	Model	WLL (t)*	Weight Each (kg)	Dimensions (mm)				
				L	B	F	A	C
ZG100821	G-6-8 HDG	1.12	0.1	45	15	7	8	17
ZG100822	G-8-8 HDG	2.0	0.2	56	18	9	11	22
ZG100823	G-10-8 HDG	3.2	0.3	68	25	11	13	26
ZG100824	G-13-8 HDG	5.4	0.8	89	30	15	16	33
ZG100825	G-16-8 HDG	8.2	1.2	105	36	19	20	40

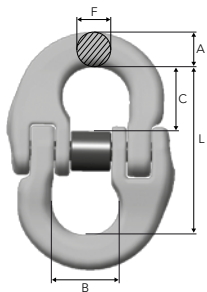
Fulfills requirements in: EN 1677:2008, ISO1461:2009. Applicable parts of NS9415:2009



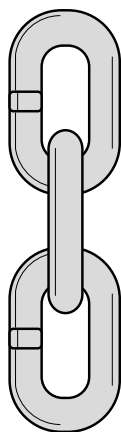
Coupling Link GF Stain Proof

Material: High strength stainless steel
GF Copuling link GF comes with a straight pin without recession

Chain size mm	Stock No.	WLL (t)*	Model	Weight Each (kg)	Dimensions (mm)				
					A	B	C	F	L
10	B80202	3.2	GF-10-8 SP	0.3	13	25	26	11	68
13	B80203	5.4	GF-13-8 SP	0.4	16	30	33	15	89
16	B80204	8.2	GF-16-8 SP	1.2	20	36	40	19	105



*Design factor 4:1



*  Denotes Profile Chain™



Crosby Trawlex® Mid Link Chain

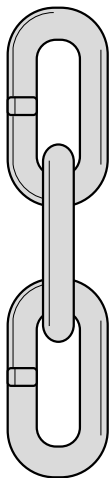
Black painted as standard.

Chain size mm	Stock No.	Model	Weight (kg/m)	Link dimensions (mm)		Breaking load (t) ¹	
				Pitch	Width	Trawlex®	Standard length (m)
13	523225	TRAW-MLB	3.3	55	21	26	150
13	523226	TRAW-MLB	3.3	55	21	26	300
16*	523227	TRAW-MLB	5.3	64	22.4	38.8	110
16*	523228	TRAW-MLB	5.3	64	22.4	38.8	300
19*	523229	TRAW-MLB	7.3	76	27	54.8	75
19*	523230	TRAW-MLB	7.3	76	27	54.8	220
22	Z228660	TRAW-MLB	9.2	86	26	70	60
22	Z228610	TRAW-MLB	9.2	86	26	70	110
26	Z269250	TRAW-MLB	13.7	92	30	95	50

¹ MBL established on calculations and testing of natural black chain.

Crosby Trawlex® Long Link Chain

Black painted as standard.



Chain size mm	Stock No.	Model	Weight (kg/m)	Link dimensions (mm)		Breaking load (t) ¹	
				Pitch	Width	Trawlex®	Standard length (m)
13	523220	TRAW-LLB	2.9	80	22	26	150
13	523221	TRAW-LLB	2.9	80	22	26	300
16	523222	TRAW-LLB	4.4	100	28	39	100
16	523223	TRAW-LLB	4.4	100	28	39	220
19	523224	TRAW-LLB	6.4	100	29	55	108
22	Z222070	TRAW-LLB	8.74	120	35.5	70	70
28	Z281550	TRAW-LLB	14.41	150	46	105	50

¹ MBL established on calculations and testing of natural black chain.

Please note: The listed chain weights are approximate. Actual weight may vary due to manufacturing tolerances in chain diameter.

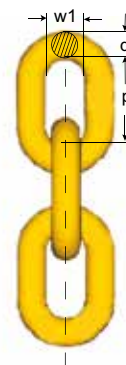
Short Link Chain KLFU, Grade 8

Not for lifting purposes. For aquaculture mooring systems only use galvanized chain.

Heat treatment: Hardened and tempered
Stress relieved

Surface treatment: Yellow painted

Chain size mm	Stock No.	Model	Weight (kg/m)	d nom. mm	p mm	w1 mm	Min. Breaking load (t)	Standard length (m)
10	Z802330	KLFU-10-8	2.2	10	30	14.0	12.6	1 x 100
13	Z802331	KLFU-13-8	3.7	13	39	17.6	21.4	1 x 100
16	Z801146	KLFU-16-8	5.8	16	48	21.5	32.2	1 x 100
19	Z327377	KLFU-19-8	8.0	19	57	27.0	45.4	1 x 100
22	Z327385	KLFU-22-8	11.0	22	66	30.1	61.0	1 x 50
26	Z801505	KLFU-26-8	14.8	26	78	35.0	86.0	1 x 50



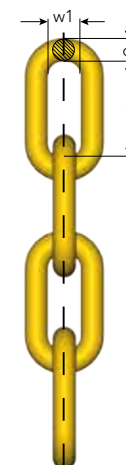
Mid Link Chain MLFU, Grade 8

Not for lifting purposes. For aquaculture mooring systems only use galvanized chain.

Heat treatment: Hardened and tempered
Stress relieved

Surface treatment: Yellow painted

Chain size mm	Stock No.	Model	Weight (kg/m)	d nom.	p	w1	Min. Breaking load (t)	Standard length (m)
10	Z802332	MLFU-10-8	2.0	10	40	14.4	12.6	1 x 100
13	Z802333	MLFU-13-8	3.3	13	55	20.2	21.4	1 x 100
16	Z800564	MLFU-16-8	5.0	16	65	20.5	32.2	1 x 100
19	Z800476	MLFU-19-8	7.1	19	75	29.0	45.4	1 x 100
22	Z800661	MLFU-22-8	9.4	22	88	30.0	61.0	1 x 50
26	Z801770	MFLU-26-8	13.9	26	91	34.0	86.0	1 x 50



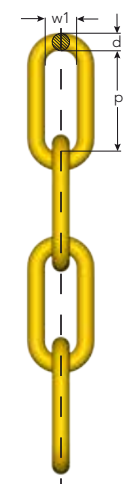
Long Link Chain LLU, Grade 8

Not for lifting purposes. For aquaculture mooring systems only use galvanized chain.

Heat treatment: Hardened and tempered
Stress relieved

Surface treatment: Yellow painted

Chain size mm	Stock No.	Model	Weight (kg/m)	d nom.	p	w1	Min. Breaking load (t)	Standard length (m)
6	Z801933	LLU-6-8	0.6	6	35	10.1	4.5	5 x 100
9	Z801934	LLU-9-8	1.4	9	53	14.3	10.2	4 x 100
11	Z801935	LLU-11-8	2.1	11	64	18.5	15.4	4 x 100
13	Z801936	LLU-13-8	2.9	13	80	21.1	21.4	3 x 100
16	Z802160	LLU-16-8	4.6	16	100	27.0	32.2	1 x 100
19	Z601983	LLU-19-8	6.5	19	100	27.0	45.4	1 x 100
22	Z700526	LLU-22-8	8.7	22	120	35.0	61.0	1 x 50



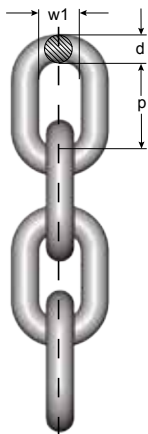
Please note: The listed chain weights are approximate. Actual weight may vary due to manufacturing tolerances in chain diameter.

Short Link Chain KLFZ, Grade 7

Not for lifting purposes

Heat treatment: Hardened and tempered

Surface treatment: Hot Dip Galvanized (HDG)



Chain size mm	Stock No.	Model	Weight (kg/m)	d nom. mm	p nom. mm	w1 nom. mm	Min. Breaking load (t)	Standard length (m)
11	Z800667	KLFZ-11-7	2.7	11	33	15.0	12.0	1x100
13	Z802329	KLFZ-13-7	3.8	13	39	17.2	18.0	1x100
14	Z803329	KLFZ-14-7	4.5	14	42	21.5	20.0	1x100
16	Z802901	KLFZ-16-7	5.8	16	48	21.5	26.7	1x100
17	Z801409	KLFZ-17-7	6.4	17	48	23.2	30.0	1x100
19	Z801407	KLFZ-19-7	8.1	19	57	27.0	40.0	1x100

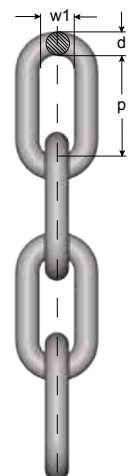
Fulfills requirements ini: EN 1461:2009 (average surface thickness 85 µm)

Mid Link Chain MLFZ, Grade 7

Not for lifting purposes

Heat treatment: Hardened and tempered

Surface treatment: Hot Dip Galvanized (HDG)



Chain size mm	Stock No.	Model	Weight (kg/m)	d nom. mm	p nom. mm	w1 nom. mm	Min. Breaking load (t)	Standard length (m)
10	Z802455	MLFZ-10-6**	2.0	10	40	14.4	10.0	1x100
13	Z802335	MLFZ-13-7	3.3	13	55	20.2	18.0	1x100
16	Z801645	MLFZ-16-7	5.0	16	65	20.5	26.2	1x100
19	Z801477	MLFZ-19-7	7.1	19	75	29.0	37.0	1x100

Fulfills requirements ini: EN 1461:2009 (average surface thickness 85 µm)

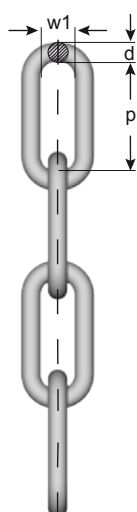
** Average surface thickness 70 µm

Long Link Chain LLZ, Grade 6

Not for lifting purposes

Heat treatment: Hardened and tempered

Surface treatment: Hot Dip Galvanized (HDG)



Chain size mm	Stock No.	Model	Weight (kg/m)	d nom. mm	p	w1	Min. Breaking load (t)	Standard length (m)
9	Z802453	LLZ-9-6**	1.4	9	53	14.3	7.8	1 x 100
11	Z802454	LLZ-11-6**	2.1	11	64	18.5	11.6	4 x 100
13	Z800682	LLZ-13-6	2.9	13	80	21.1	16.3	3 x 100
16	Z801567	LLZ-16-6	4.6	16	100	28.0	24.7	1 x 100
19	Z801458	LLZ-19-6	6.5	19	100	28.0	34.8	1 x 120
22	Z801887	LLZ-22-6	8.7	22	120	36.0	46.6	1 x 50
25	Z802447	LLZ-25-6	12.0	25	140	39.0	60.0	1 x 50
28	Z802449	LLZ-28-6	14.9	28	150	39.0	75,3	1 x 50
32	Z802451	LLZ-32-6	19.0	32	170	44.0	98,3	1 x 50

Fulfills requirements ini: EN 1461:2009 (average surface thickness 85 µm)

** Average surface thickness 70 µm

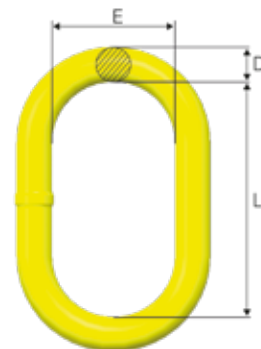
Please note: The listed chain weights are approximate. Actual weight may vary due to manufacturing tolerances in chain diameter.

Master Link M

Stock No.	WLL (t)*	Model	Weight Each (kg)	Dimensions (mm)		
				L	E	D
GS200800	7.8	M-1310-10 GrabiQ V2 FISHING	1.5	160	95	22
GS201000	12	M-1613-10 GrabiQ V2 FISHING	3.9	275	145	28
GS201300	21	M-2016-10 GrabiQ V2 FISHING	5.2	275	145	32
GS201600	31	M-2220-10 GrabiQ V2 FISHING	8.2	270	140	40

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

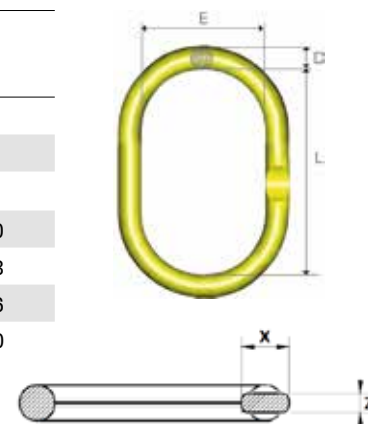
Fulfills requirements in: EN 1677-4:2008, (WLL +25%), ASTM A952/A952M-02, ASME B30.26, AS 3775:2014 and AS 3776:2015.



Master Link MF

Stock No.	WLL (t)*	Model	Weight Each (kg)	Dimensions (mm)			
				L	E	D	Z
Z200060	2.0	MF-6-10 GrabiQ V2	0.2	100	60	11	6
Z200086	3.2	MF-86-10 GrabiQ V2	0.4	120	60	13	6
Z200108	5.4	MF-108-10 GrabiQ V2	0.8	140	80	17	8
Z2111310	8.2	MF-1310-10 GrabiQ V2	1.5	160	95	22	10
Z211613	13.6	MF-1613-10 GrabiQ V2	3.9	275	145	28	13
Z202016	20.6	MF-2016-10 GrabiQ V2	5.1	275	145	32	16
Z202220	32.0	MF-2220-10 GrabiQ V2	8.1	270	140	40	20

Fulfills requirements in: EN 1677-4:2008, (WLL +25%), ASTM A952/A952M-02, ASME B30.26, AS 3775:2014 and AS 3776:2015.



Crosby A-344 Welded Master Links

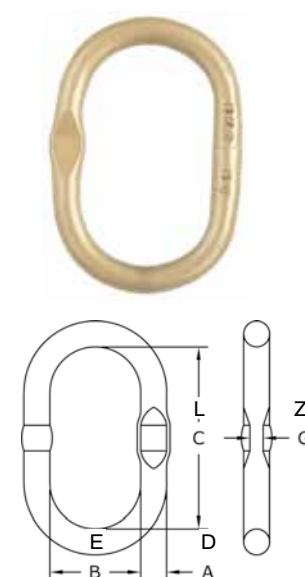
- The Crosby-range is offshore graded, designed for usage in marine environments.
- A-344 master links are type approved to DNV certification notes 2.7-1-Offshore containers.
- Every batch is impact tested.

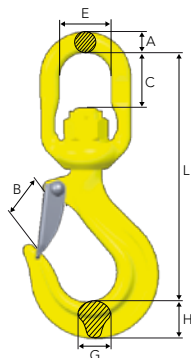
Crosby®

Stock No.	WLL (t)*	Weight Each (kg)	Dimensions (mm)			
			L	E	D	Z
1256988	3.2	0.4	120	60	13	6.5
1257002	4.1	0.8	160	90	17	8.5
1257072	6.7	1.1	160	90	19	8.5
1257268	7.0	2.3	275	145	22	10.5
1257212	8.8	1.6	180	100	22	10.5
1257332	8.9	3.0	275	145	25	13.5
1257282	11.5	2.4	210	115	25	13.5
1257382	13.0	3.9	275	145	28	13.5
1257422	17.0	4.8	275	145	32	16.7
1257492	24.0	6.9	285	155	36	
1257502	31.5	7.3	270	140	40	
1257562	38.3	13.9	340	180	45	
1257632	45.0	19.1	390	215	51	
1257573	67.0	25.1	406	203	55	
1257591	90	42.8	450	250	70	
1257600	125	57.0	450	260	80	

Fulfills requirements in EN 1677-4:2008, ASME B30.26 and is DNV 2.7-1 type approved.

*Design factor 5:1

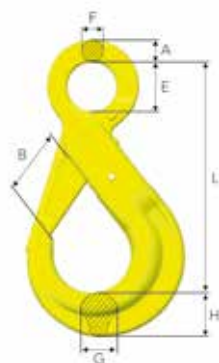




Swivel Safety Hook LKN

Stock No.	WLL (t)*	Model	Weight Each (kg)	Dimensions (mm)						
				L	B	C	E	A	G	H
Z101345	2.6	LKN-7/8-10	0.8	155	28	28	38	12	18	24
Z101346	4.0	LKN-10-10	1.5	192	35	37	44	15	23	31
Z101347	6.8	LKN-13-10	3.1	238	40	47	48	19	28	38
Z101348	10.3	LKN-16-10	5.3	295	53	65	61	25	34	43

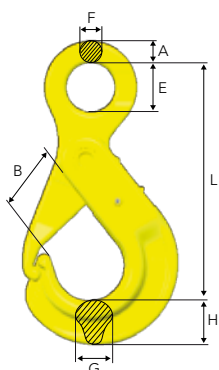
Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.



Safety Hook BK

Stock No.	WLL (t)*	Model	Weight Each (kg)	Dimensions (mm)						
				A	L	B	E	F	G	H
Z101108	1.5	BK-6-10	0.5	12	109	29	22	10	15	21
Z101097	2.6	BK-7/8-10	0.9	14	138	37	28	11	17	26
Z101024	4.0	BK-10-10	1.5	16	168	45	34	13	21	31
Z101032	6.8	BK-13-10	3.0	20	207	55	44	16	30	40
Z101040	10.3	BK-16-10	5.7	26	254	62	56	20	37	50
Z101089	16.0	BK-18/20-10	9.2	30	289	68	60	22	44	64
Z101325	20.0	BK-22-10	11.4	32	320	80	70	24	50	64
Z101326	27.3	BK-26-10	16.5	35	342	100	80	25	54	68

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



Safety Hook OBK

Stock No.	WLL (t)*	Model	Weight Each (kg)	Dimensions (mm)						
				A	L	B	E	F	G	H
Z101048	1.5	OBK-6-10	0.4	12	103	26	22	9	15	17
Z101143	2.6	OBK-7/8-10	0.8	14	139	37	28	10	20	22
Z101145	4.0	OBK-10-10	1.3	16	170	47	34	13	22	29
Z101147	6.8	OBK-13-10	2.6	21	206	53	44	15	29	38
Z101141	10.3	OBK-16-10	4.4	26	251	68	56	19	29	45
Z101240	16.0	OBK-18/20-10	7.3	28	293	74	60	22	44	56

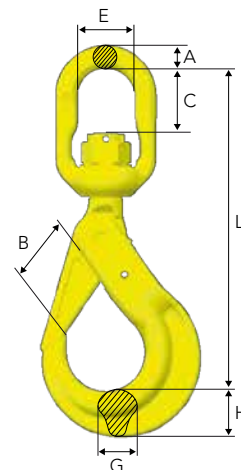
Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M-02 and AS 3776:2015.

*Design factor 4:1

Swivel Safety Hook BKL

Stock No.	WLL (t)*	Model	Weight Each (kg)	Dimensions (mm)						
				L	B	C	E	A	G	H
Z1011140	1.5	BKL-6-10	0.7	149	29	23	33	11	15	21
Z1011040	2.6	BKL-7/8-10	1.2	183	37	27	38	12	17	26
Z1010280	4.0	BKL-10-10	2.0	218	45	37	44	15	21	31
Z1010360	6.8	BKL-13-10	4.0	282	55	49	48	19	30	40
Z101044	10.3	BKL-16-10	7.4	341	62	65	61	25	37	50
Z101093	16.0	BKL-18/20-10	11.9	368	68	70	72	31	44	62

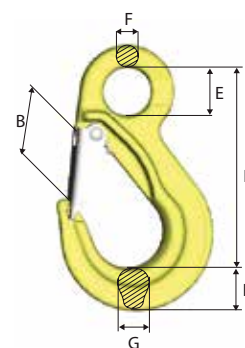
Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M-02 and AS 3776:2015.



Sling hook EKN

Stock No.	WLL (t)*	Model	Weight Each (kg)	Dimensions (mm)					
				L	B	E	F	G	H
Z101128	1.5	EKN- 6-10	0.4	93	25	23	10	17	20
Z101130	2.6	EKN- 7/8-10	0.6	108	26	28	12	17	23
Z101132	4.0	EKN-10-10	1.0	134	35	34	14	23	30
Z101134	6.8	EKN-13-10	2.1	166	42	44	18	28	38
Z101136	10.3	EKN-16-10	4.0	203	53	56	22	36	47
Z101327	16.0	EKN-20-10	6.4	229	65	61	26	42	60
Z101328	20.0	EKN-22-10	8.9	267	73	64	31	43	67
Z101329	27.3	EKN-26-10	13.0	301	82	66	32	51	75
Z101330	40.0	EKN-32-10	25.0	353	96	90	38	61	98

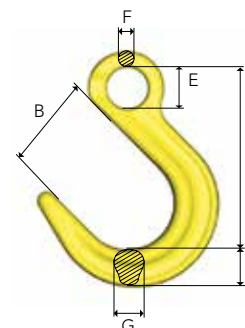
Fulfills requirements in: EN 1677:2008 (WLL +25%), ASTM A952/A952M and AS 3776:2015.



Foundry hook OKE

Stock No.	WLL (t)*	Model	Weight Each (kg)	Dimensions (mm)					
				L	B	E	F	G	H
Z100853	2.6	OKE-7/8-10	0.8	124	63	28	12	21	26
Z100854	4.0	OKE-10-10	1.4	151	76	34	15	26	30
Z100855	6.8	OKE-13-10	2.8	184	90	44	19	33	39
Z100898	10.3	OKE-16-10	4.9	218	102	56	23	40	46
Z101340	16.0	OKE-20-10	7.2	247	114	60	27	46	60
Z101341	20.0	OKE-22-10	11.3	275	120	64	31	60	70
Z101342	27.3	OKE-26-10	16.0	300	113	70	35	64	77

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



*Design factor 4:1

G-334 Pear Shape “Missing link”® Replacement Links

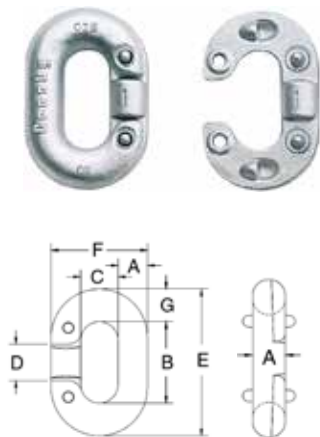
Important: Not suited for overhead lifting



Chain Size mm	Stock No.	WLL (t)	Weight per 100 (kg)	Dimensions (mm)								
				A	B	C	D	E	F	G	H	L
10	1013432	0.84	11.3	10.4	51.0	14.2	20.6	74.5	41.4	11.9	35.1	20.6
13	1013450	1.50	22.7	12.7	63.5	17.5	25.4	92.0	51.0	14.2	42.9	25.4
16	1013478	2.27	34.0	16.0	70.0	20.6	26.9	102	60.5	16.0	52.5	28.7
19	1013496	3.22	56.7	19.1	79.5	25.4	28.7	121	70.0	20.6	63.5	31.8
22	1013511	4.35	90.7	22.4	93.5	31.8	35.1	141	82.5	23.9	76.0	38.1

G-335 “Missing link”® Replacement Links

Important: Not suited for overhead lifting



Chain size mm	Stock no. G-335 Galv.	WLL (t)	Links per box	Weight per 100 (kg)	Dimensions (mm)						
					A	B	C	D	E	F	G
**7	1013110	0.60	10	2.83	7.10	22.4	11.2	11.2	36.1	25.4	7.85
**8	1013138	0.89	10	5.67	8.65	23.9	11.9	11.9	42.9	29.5	9.65
10	1013156	1.25	10	9.07	10.4	28.7	14.2	14.2	52.5	35.1	11.9
11	1013174	1.65	10	12.5	11.9	32.5	15.0	15.0	59.5	38.9	13.5
13	1013192	2.15	10	17.0	13.5	37.3	16.8	16.8	67.5	43.7	15.0
16	1013236	3.30	10	32.9	16.8	46.0	19.8	20.6	84.0	53.0	19.1
19	1013254	4.65	10	55.5	19.0	54.0	23.9	26.9	98.5	63.5	22.4
22	1013272	5.45	Bulk	79.5	23.1	63.5	28.7	28.7	114	74.5	25.4
†26	1013290	7.00	Bulk	113	26.2	70.0	31.8	31.8	127	84.0	28.7

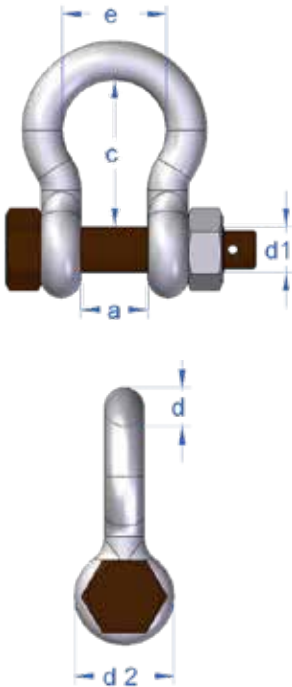
** Rivets only - No interlocking lugs. †Has reinforces rivet holes.

*Design factor 4:1

Bow Shackle No 855

Standard:	DNV 2.7-1 Type approved EN 13889 and US Fed. Spec. RR-C-271	Finish:	All parts hot dip galvanized, brown painted bolts.
Material:	High Tensile Carbon Steel, Quenched and tempered, Grade 6	Temperature:	-20° C to 200° C
Documentation:	Test certificate and traceable raw material/ inspection certificate acc. to EN-10204- 3.1. DNV 2.7-1 and DNV 2.7-3 Type approval	CE-marked	
		Design factor:	6:1

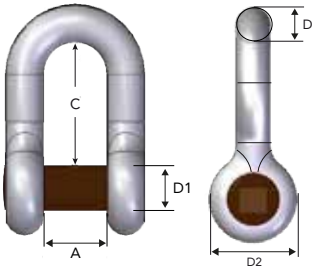
Stock No.	WLL (t)	Weight Each (kg)	Dim. d1	Trade size d		a	c	e	d2
				mm	inch				
A085513	2.0	0.4	16	13	1/2"	21	47	33	33
A085516	3.25	0.7	19	16	5/8"	27	60	42	40
A085519	4.75	1.2	22	19	3/4"	31	71	49	48
A085522	6.5	1.8	25	22	7/8"	37	84	60	52
A085525	8.5	2.6	28	25	1"	43	95	68	60
A085528	9.5	3.7	32	28	1 1/8"	46	108	74	64
A085532	12.0	4.9	35	32	1 1/4"	52	119	83	72
A085535	13.5	6.5	38	35	1 3/8"	57	132	89	76
A085538	17.0	8.2	42	38	1 1/2"	60	146	98	84
A085545	25.0	14.2	50	45	1 3/4"	74	178	127	105
A085552	35.0	19.8	57	50	2"	83	197	138	112
A085564	55.0	39.6	70	65	2 1/2"	105	260	180	145



Countersund Dee Shackle No A830

Standard:	Dimensions acc.to EN 13889	Finish:	All parts hot dip galvanized, brown painted bolts.
Material:	High Tensile Steel, Quenched and tempered, Grade 6	Design Factor:	6:1

Stock No.	WLL (t)	Weight Each (kg)	Dim. D		A	C	D1	D2
			mm	inch				
A083013	2.0	0.3	13	1/2"	21	41	16	33
A083016	3.25	0.7	16	5/8"	27	51	19	40
A083019	4.75	1.1	19	3/4"	31	60	22	48
A083022	6.5	1.7	22	7/8"	37	71	25	52
A083025	8.5	2.5	25	1"	43	81	28	60



Countersunk Dee Shackles can also be supplied with a secondary securing for Double Protection (DP); A083DP.

Norwegian standard NS9415 require secondary securing (Double Protection) on shackles used in mooring applications.

Shackles

Crosby Shackle G-209 and G-2130

Standard: Meets or exceeds all requirements of ASME B30.26.

Material: Forged, quenched & tempered, with alloy pins.

Documentation: Test certificate can be delivered upon request

Design factor 6:1

Finish: All parts hot dip galvanized, the bolts are Dimetcoated® and painted red.

Temperature: -40° C to 200° C

CE-marked 



Stock no. G-209	Stock no. G-2130	Stock no. G-2130OC	WLL (t)	Nom. size inch	A	B	C	D	E	F	P	Tolerans +/-		Weight kg without nut	Weight kg with nut
												A	C		
*1018357	*1019464	-	0.33	3/16	9.65	6.35	22.4	4.85	15.2	14.2	4.85	1.50	1.50	0.03	0.03
*1018375	*1019466	-	0.5	1/4	11.9	7.85	28.7	6.35	19.8	15.5	6.35	1.50	1.50	0.05	0.05
*1018393	*1019468	-	0.75	5/16	13.5	9.65	31.0	7.85	21.3	19.1	7.85	1.50	3.30	0.09	0.10
*1018419	*1019470	-	1.0	3/8	16.8	11.2	36.6	9.65	26.2	23.1	9.65	1.50	3.30	0.14	0.15
*1018437	*1019471	-	1.5	7/16	19.1	12.7	42.9	11.2	29.5	26.9	11.2	1.50	3.30	0.17	0.22
1018455	1019472	-	2.0	1/2	20.6	16.0	47.8	12.7	33.3	30.2	12.7	1.50	3.30	0.33	0.36
1018473	-	1262013	3.25	5/8	26.9	19.1	60.5	16.0	42.9	38.1	17.5	1.50	6.35	0.62	0.62
1018491	-	1262022	4.75	3/4	31.8	22.4	71.5	19.1	51.0	46.0	20.6	1.50	6.35	1.07	1.23
1018516	-	1262031	6.5	7/8	36.6	25.4	84.0	22.4	58.0	53.0	24.6	1.50	6.35	1.64	1.79
1018534	-	1262040	8.5	1	42.9	28.7	95.5	25.4	68.5	60.5	26.9	1.50	6.35	2.28	2.28
1018552	-	1262059	9.5	1-1/8	46.0	31.8	108	29.5	74.0	68.5	31.8	1.50	6.35	3.36	3.75
1018570	-	1262068	12	1-1/4	51.5	35.1	119	32.8	82.5	76.0	35.1	1.50	6.35	4.31	5.31
1018598	-	1262077	13.5	1-3/8	57.0	38.1	133	36.1	92.0	84.0	38.1	3.30	6.35	6.14	7.18
1018614	-	1262086	17	1-1/2	60.5	41.4	146	39.1	98.5	92.0	41.1	3.30	6.35	7.80	8.62
1018632	-	1262095	25	1-3/4	73.2	51.0	178	46.7	127	106	57.0	3.30	6.35	12.6	15.4
1018650	1019677	-	35	2	82.6	57.0	197	53	146	122	61.0	3.30	6.35	20.4	23.7
1018678	1019695	-	55	2-1/2	105	70.0	267	69	184	145	79.5	6.35	6.35	38.9	44.6
-	1019711	-	85	3	127	82.5	330	76	200	165	92.0	6.35	6.35	-	70
-	1019739	-	120	3-1/2	133	95.5	372	92	229	203	105	6.35	6.35	-	120
-	1019757	-	150	4	140	108	368	104	254	229	116	6.35	6.35	-	153

Shackles

Crosby Shackle G-2140

Standard:

Meets or exceeds all requirements of ASME B30.26.

Material:

Forged Alloy Steel 2 - 250 t,
Cast Alloy Steel 400 t
Quenched and tempered, Grade 8

Documentation:

Test certificate delivered against request

Design factor:

4.5:1 for 2 - 21t,
5.4:1 for 30 - 175t,
4:1 for 200 - 400t

Finish:

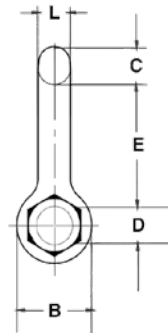
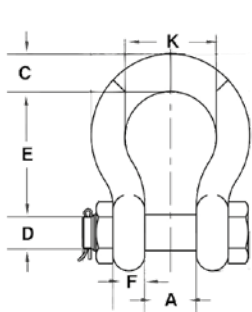
Hot dip galvanized, red painted bolts.

Temperature:

-40° C to 200° C

CE-marked

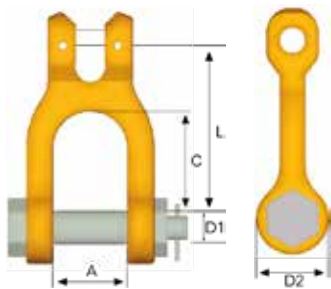
CE



Stock no. G-2140	WLL (t)	Nom. size inch	A	B	C	D +/- 0.5	E	F	K	L	Tolerance +/-		Weight each (kg)
											A	E	
1021015	2	3/8	16.8	23.1	9.7	11.2	36.6	9.7	26.2	9.7	1.5	3.3	0.15
1021020	2.66	7/16	19.1	26.9	11.2	12.7	42.9	10.4	29.5	11.2	1.5	3.3	0.22
1021029	3.33	1/2	20.6	30.2	12.7	16.3	47.8	11.7	33.3	12.7	1.5	3.3	0.36
1021038	5.0	5/8	26.9	38.1	17.5	19.6	60.5	14.7	42.9	16.0	1.5	3.3	0.76
1021047	7.0	3/4	31.8	46.0	20.6	22.6	71.4	17.5	50.8	19.1	1.5	6.4	1.23
1021056	9.5	7/8	36.6	53.1	24.6	25.9	84.1	20.6	57.9	22.4	1.5	6.4	1.79
1021065	12.5	1	42.9	60.5	26.9	29.2	95.3	23.4	68.3	25.4	1.5	6.4	2.57
1021074	15	1 1/8	46.0	68.3	31.8	31.8	108.0	26.4	73.9	28.7	1.5	6.4	3.75
1021083	18	1 1/4	51.6	76.2	35.1	35.6	119.1	29.5	82.6	32.8	1.5	6.4	5.31
1021092	21	1 3/8	57.2	84.1	38.1	38.9	133.4	32.5	92.2	36.1	3.3	6.4	7.18
1021110	30	1-1/2	60.5	91.9	41.1	41.4	146	35.3	98.6	38.9	3.3	6.4	8.52
1021138	40	1-3/4	73.2	106	57.2	50.8	178	44.5	127	46.7	3.3	6.4	15.4
1021156	55	2	82.6	122	61.0	57.2	197	50.8	146	52.8	3.3	6.4	23.6
1021174	85	2-1/2	105	148	79.2	69.9	267	66.5	184	68.8	6.4	6.4	43.5
1021192	120	3	127	165	92.2	82.6	330	76.2	200	79.2	6.4	6.4	81
1021218	150	3-1/2	133	203	111	95.3	372	95.3	229	91.9	6.4	6.4	120
1021236	175	4	140	229	116	108	368	102	254	102	6.4	6.4	153
1021234	200	4 3/4	184	267	127	121	386	116	279	121	6.35	6.35	209
1021243	250	5	216	305	143	127	470	123	330	127	4.0	1.80	276
1021252	300	6	213	330	154	152	475	124	330	149	4.0	1.80	362
1021478	400	7	210	356	184	178	572	165	330	152	6.4	6.4	500

Clevis Shackle GSA

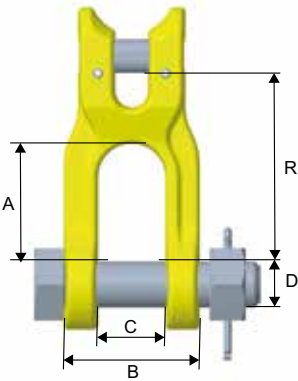
Standard: Acc.to EN 1677-1 Finish: Yellow painted
Material: Alloy Steel, Grade 4 Design Factor: 4:1



Stock No.	WLL (t)	Model	Weight each (kg)	For chain dim.	A	C	D2	L	D1
Z700882	2.0	GSA-7/8-8	0.4	7, 8	32	36	34	60	16
Z700883	3.2	GSA-10-8	0.8	10	34	48	40	80	20
Z700884	5.4	GSA-13-8	1.4	13	50	65	44	98	22
Z700885	8.2	GSA-16-8	2.4	16	60	70	54	114	27

Narrow Jaw Shackle KDN, Grade 10

Standard: Acc.to EN 1677-1 Finish: Yellow painted
Material: Alloy Steel, Grade 4 Design Factor: 4:1



Stock No.	WLL (t)		Model	Weight each (kg)	For chain dim.	A	B	C	R	D
	8	8+10								
Z2781369	1.5	2.0	KND7N	0.26	7, 8	36	42	20	57	14
Z2781378	3.2	4.0	KDN10N	0.85	10	53	58	28	83	20
Z2781387	5.3	6.7	KDN13N	1.68	13	72	74	35	106	24
Z2781396	8.0	10.0	KDN16N	3.14	16	83	90	44	127	30

Hot dip galvanized lifting products

The HDG lifting range is designed to meet the specific challenges from corrosive environments in which they will have a longer lifetime. They require less maintenance than standard products, which means that the HDG products are more cost effective in the long run.

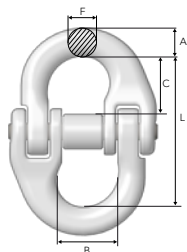
- Hot dip galvanized products in Grade 8.
- A longer life span.
- Protective coating with high impact and wear resistance.
- Easy inspections and lower maintenance costs.
- Production and galvanizing of products that are sensitive for hydrogen embrittlement requires an in-depth material- and process knowledge. Each element within the manufacturing process is stringently controlled with our in-house quality systems.



Technical information

Standards:	Quality assurance:	What is hot dip galvanizing (HDG)?:
• EN 1677-1:2008 • EN 1677-3:2008 • EN 1677-4:2008 • EN 818-1:2008 • EN 818-2:2008 (material dim. Ø +10%) • AS2321:2014 • ASTM A391/A391M-07 2012 (material dim. Ø +10%) • ISO 1461:2009 • Applicable parts of NS9415:2009	• Fatigue tested construction. • Full traceability back to the raw material. • Strict controls throughout the whole process. • Measurement of coating thickness on random samples from every batch. • 100% proof load of every single component. • Visual inspection.	• Hot-dip galvanizing is the process of coating steel with a layer of zinc for added corrosion resistance. • It involves immersing the steel material in molten zinc through a multi-step galvanizing line. The resulting material is encased in several layers of zinc and zinc-iron alloys, making it extremely tough.
Material:	Temperature range:	Documentation:
• High tensile steel, hardened and tempered. • Hot dip galvanized coating according to ISO 1461-2009.	-40 °C to 200 °C	Inspection certificate acc. EN-10204 - 3.1

Coupling Link G HDG



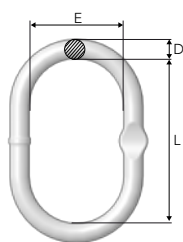
Stock No.	Model	WLL (t)*	Weight Each (kg)	Dimensions (mm)				
				L	B	F	A	C
ZG100821	G-6-8 HDG	1.12	0.1	45	15	7	8	17
ZG100822	G-8-8 HDG	2.0	0.2	56	18	9	11	22
ZG100823	G-10-8 HDG	3.2	0.3	68	25	11	13	26
ZG100824	G-13-8 HDG	5.4	0.8	89	30	15	16	33
ZG100825	G-16-8 HDG	8.2	1.2	105	36	19	20	40

Chain KLZ HDG



Art. no.	Code	WLL (t)*	d nom.	p	w1	Weight kgs	MPF kN	Breaking force kN	Delivery length
ZG802306	KLZ-6-8 HDG	1.12	6.6	18	8.9	1.0	36.8	45.2	1 x 100 m
ZG802307	KLZ-8-8 HDG	2.0	8.8	24	11.2	1.7	63.0	80.6	1 x 100 m
ZG802308	KLZ-10-8 HDG	3.2	11.0	30	14.4	2.6	98.8	130	1 x 100 m
ZG802309	KLZ-13-8 HDG	5.4	14.3	39	19.2	4.5	166	214	1 x 100 m
ZG802310	KLZ-16-8 HDG	8.2	17.3	48	23.0	6.7	251	322	1 x 100 m

Master Link MF HDG

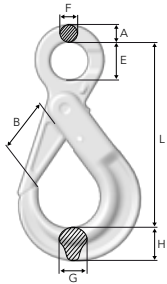


Stock No.	Model	WLL (SF5:1) (t)	Weight Each (kg)	Dimensions (mm)		
				L	E	D
BG14489	MF-86-8 HDG	2.0	0.5	120	60	13
BG14482	MF-108-8 HDG	3.2	0.8	140	80	17
BG14483	MF-1310-8 HDG	5.4	1.5	160	95	22
BG14484	MF-1613-8 HDG	8.2	2.8	190	110	28

*Design factor 4:1

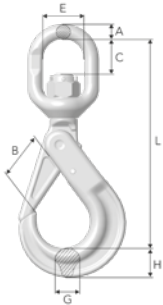
Safety Hook BK HDG

Stock No.	Model	WLL (t)*	Weight Each (kg)	Dimensions (mm)						
				A	L	B	E	F	G	H
ZG101108	BK-6-8 HDG	1.12	0.5	12	109	29	22	10	15	21
ZG101097	BK-7/8-8 HDG	2.0	0.9	14	138	37	28	11	17	26
ZG101024	BK-10-8 HDG	3.2	1.5	16	168	45	34	13	21	31
ZG101032	BK-13-8 HDG	5.4	3.0	20	207	55	44	16	30	40



Safety Hook BKL HDG

Stock No.	Model	WLL (t)*	Weight Each (kg)	Dimensions (mm)						
				L	B	C	E	A	G	H
ZG101028	BKL-10-8 HDG	3.2	1.9	218	45	37	44	15	21	31
ZG101036	BKL-13-8 HDG	5.4	4.0	282	55	49	48	19	30	40
ZG101044	BKL-16-8 HDG	8.2	7.4	344	62	68	61	25	37	50





Kito Crosby is the global leader of the lifting and securement industry it pioneered, and for which it continues to set the quality standard. With global engineering, manufacturing, distribution, and operations, the company provides a broad range of products and solutions for the most demanding applications. Kito Crosby's people, products, solutions, and services have innovated the lifting and securement industry for more than 260 years.

Together we lift and secure the world today, for a safer, stronger, and more productive tomorrow. Our iconic brands include Kito, Crosby, Harrington, Gunnebo Industries, and Peerless.

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