

LASHING CHAIN & FITTINGS



Applications

Green Pin® loadbinders and fittings are used for easy and efficient tightening of chain in lashing applications.

Range

Green Pin® offers three types of loadbinders for use with steel chain: two ratchet types and a lever type. Loadbinders are available for various steel chain sizes, ranging from 8 up to 16 mm, and for fibre chain. The ratchet types can be supplied with two hooks or two eyes as end fittings. A Green Pin Tycan® ratchet loadbinder (grade 10) and fittings are also available, for use with Green Pin Tycan® Lashing Chain. The take-up length of the Green Pin Tycan® ratchet loadbinder has been designed specifically for the use with Green Pin Tycan® Chain. The Green Pin Tycan® ratchet loadbinder is available with a lashing capacity of 16 t.

Design

Green Pin® loadbinders are designed with an ergonomic, easy-to-use handle for simple, single-hand use, and are manufactured from drop forged or cast steel. One ratchet type is equipped with standard chain eye grab hooks, the other type has an improved version of these hooks to reduce chain wear substantially. It is also fitted with a pin to keep the chain in place. The latter type is designed to meet requirements of standard EN 12195-3.

The takeup-length of the Green Pin Tycan® ratchet loadbinder has been designed specifically for the use with Green Pin Tycan® Chain.

Each loadbinder is generally marked with:

- Lashing Capacity - e.g. 10 t
- minimum breaking load - e.g. 21.2 t
- manufacturer's symbol - e.g. GP
- chain diameter in mm and inches - e.g. 13 mm and 1/2"
- traceability code - e.g. A1
- warning - not for lifting or hoisting applications

As prescribed by the Machinery Directive 2006/42/EC our hooks, master links and connecting links are supplied with a CE Declaration of Incorporation (CE IIB), stating the products are in compliance with the requirements of the machinery directive. These products do not have a CE marking, since CE markings are only to be provided for machines, whereas hooks, master links and connecting links are components of machines, and not machines themselves. Providing components with a CE marking is an incorrect interpretation of the Machinery Directive.

Machinery definition according to Machinery Directive 2006/42/EC – Article 2 – definitions (a) and Machinery Regulation 2023/1230/EU:

"An assembly of linked parts or components, at least one of which moves and which are joined together, intended for lifting loads and whose only power source is directly applied human effort."

"The maximum working load shall be prominently marked on the lifting machinery. The marking shall be legible, indelible and in an un-coded form. Where the maximum working load depends on the configuration of the lifting machinery, each operating position shall be provided with a load plate indicating, preferably in diagrammatic form or by means of tables, the working load permitted for each configuration."

This definition means that a sling is a Machine and that the hooks, master links and connecting links are not considered as a machine themselves, but as components of a machine. The CE and the WLL markings in consequence, are mandatory only on the assembled sling tag as the sling is the machine according to MD 2006/42/EC. This rule is still valid with the new Machine Regulation 2023/1230 which will replace the MD cited previously within early 2027.

Finish

Green Pin® loadbinders and fittings are painted either red, green or blue.

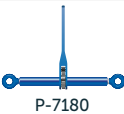





Certification

Specific details of certificate availability can be found on each product page. Please verify your certification requirements at the time of order.

Instructions for use

Loadbinders, lashing chain and fittings should be inspected before use to ensure that:

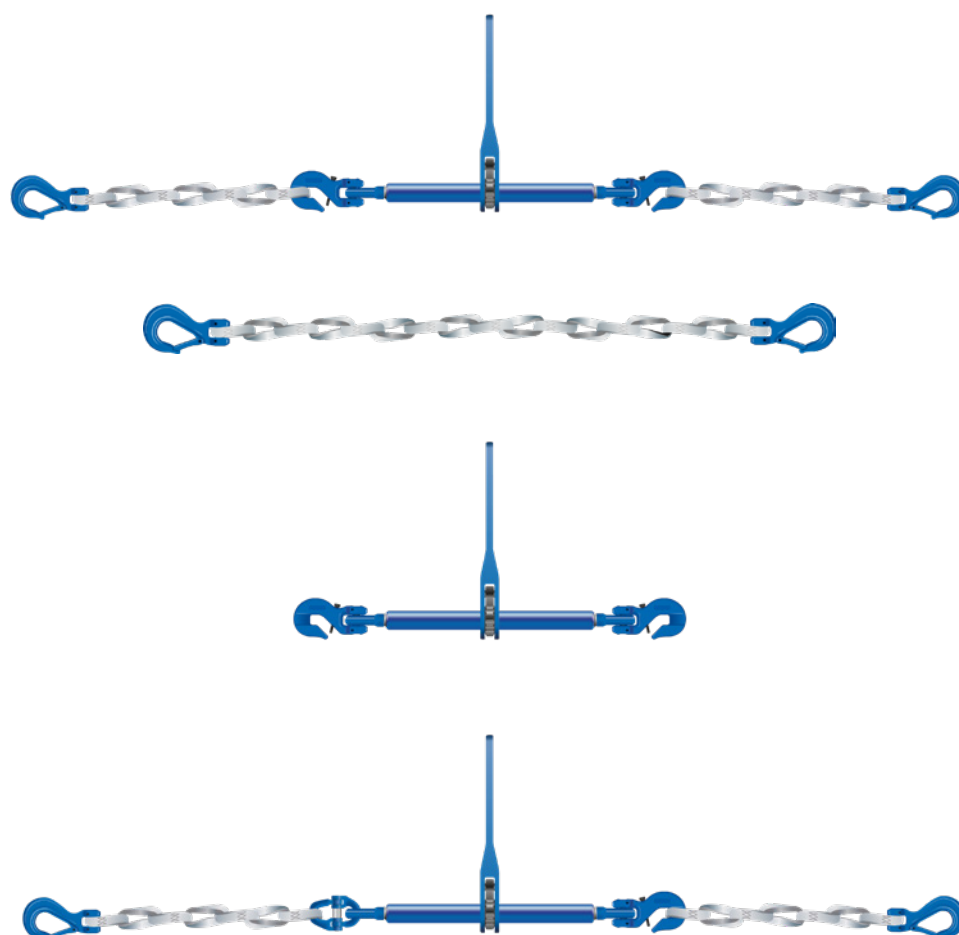
- all markings are legible;
- a loadbinder and/or fitting with the correct Lashing Capacity has been selected. For further details we refer to EN 12195-3, standard for Lashing Chains;
- loadbinders, lashing chain and fittings should never be used for lifting or hoisting applications;
- the loadbinder or fitting should never be side loaded, since these products are suitable for in-line use only;
- the handle or any other locking system cannot vibrate out of position;
- the loadbinder and/or fitting must be hooked to the chain in such a way that you can operate the loadbinder whilst standing on the ground;
- never use a loadbinder while standing on the load;
- always keep yourself out of the path of the moving handle;
- if the handle of the lever type loadbinder cannot reach the correct locked position, never use a cheater pipe. In that case a ratchet type loadbinder must be used;
- in the locked position of a lever type loadbinder the bottom side of the loadbinder should touch the chain link. In this position secure the handle to the chain using the loose end of the chain or a piece of rope or soft wire;
- if the handle of a lever type loadbinder is released by hand, make sure you use an open hand under the handle and push upward. Do not close your hand around the handle. Move the handle with caution since it may whip as it comes free;
- loadbinders and fittings are free from nicks, gouges and cracks;
- loadbinders and fittings may not be heat treated as this may affect their Lashing Capacity;
- never modify, repair or reshape a loadbinder or fitting by machining, welding, heating or bending as this may affect the Lashing Capacity;
- the loadbinder and fitting is used with the correct chain type/size.

		LC 10 t	LC 13.6 t
Loadbinder	 P-7180	LCRR25ZHENT	LCRR25ZHENT
Connecting links	 UMJT UMJ	GPUMJ13	GPUMJT30
Shorteners	 UCRCT	GPUCRCT25	GPUCRCT30
Chain	 FCHLASH	FCHLASH1525	FCHLASH1330
Sleeve	 SLEEVE	SLEEVE152530 SLEEVE152550	SLEEVE133050
Hooks	 UCSCT	GPUCSCT25	GPUCSCT30

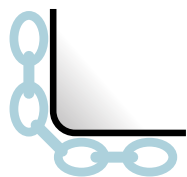
Connect Green Pin Tycan® lashing chain to Green Pin Tycan® lashing sling fittings or to certified components with a maximum surface roughness of 5 microns and adhering to below values:

link size	lashing capacity	minimum pin diameter	minimum clevis width	maximum clevis width
mm	t	mm	mm	mm
15x25	10	16	26	31
13x30	13.6	20	31	37
15x40	20.6	24	41	48

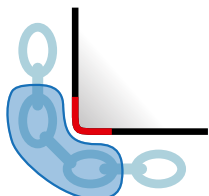
Configuration examples



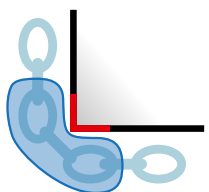
In case of contact between Green Pin Tycan® Lashing Chain and the load or operating material, protective sleeves must be used when the surface edge is 'less' than 6 mm radius.



Edge radius more than 6 mm;
No protective sleeve required **but** recommended.

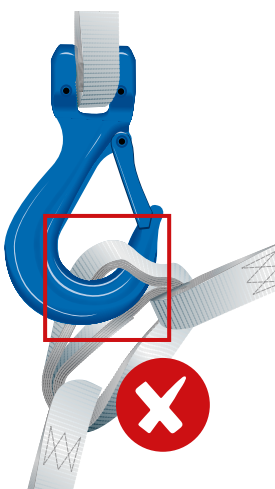
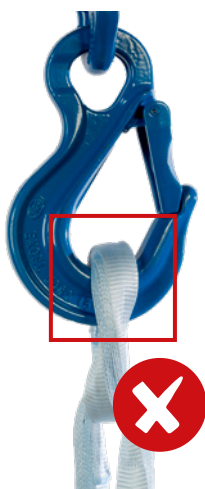


Edge radius less than 6 mm;
Protective sleeve **required**.



No obvious edge radius or in doubt;
Protective sleeve **required**.

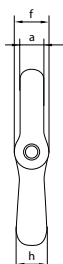
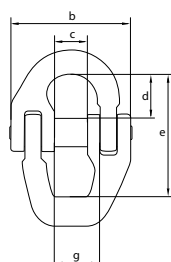
Connecting Green Pin Tycan® Lashing Chain directly into hooks (components) where the width/clevis is more than required maximum clevis width is not acceptable. Doing so can cause the layers to spread apart, which in the utmost consequence could have a negative effect on the strength of the chain. Also make sure that the hook is not hooked in between the layers of the Green Pin Tycan® link.



Loadbinders and fittings must be regularly inspected in accordance with the safety standards and regulations given in the country of use. This is required because the products in use may be affected by wear, misuse, overloading etc. which may lead to deformation and alteration of the material structure. Inspection should take place at least every six months and more frequently when the loadbinders, lashing chain and/or fittings are used in severe operating conditions. Regularly lubricate all moving parts of a loadbinder to extend product life and reduce wear.



UMJT



Green Pin Tycan® Connecting Link GR10

Grade 10 connecting link

- **Material:** alloy steel, grade 10, quenched and tempered
- **Safety factor:** MBL equals 4 x WLL
- **Standard:** follows the EN1677 with grade 10 values and conforms to ASTM A952/A952M
- **Finish:** painted blue
- **Temperature range:** -40 °C up to +200 °C
- **Certification:** 2.1 2.2 3.1 MTC[®] MPI[®] CE IIB
- **Article code:** scan QR code to see article codes

Scan for additional product details



for chain size	lashing capacity	diameter	width outside	width inside	length inside	length inside	diameter eye	width inside	diameter	weight each
mm	t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	kg
13x30	13.6	16	83	21	32	87	24	28	20	0.78
15x40	20.6	19	103	25.5	40	107.5	28	34	24	1.46

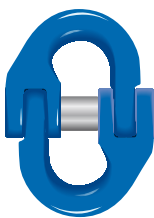
CAD



Green Pin® Connecting Link GR10

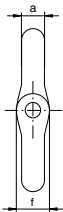
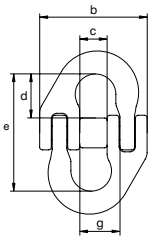
Grade 10 connecting link

Scan for additional product details



- **Material:** alloy steel, grade 10, quenched and tempered
- **Safety factor:** MBL equals 4 x WLL
- **Standard:** follows the EN1677 with grade 10 values and conforms to ASTM A952/A952M
- **Finish:** painted blue
- **Temperature range:** -40 °C up to +200 °C
- **Certification:** 2.1 2.2 3.1 MTC^a MPI^b DGUV CE IIB
- **Article code:** scan QR code to see article codes

UMJ

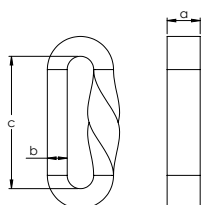


for chain size	lashing capacity	diameter	width outside	width inside	length inside	length inside	diameter eye	width inside	weight each
mm	t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	kg
15x25	13.6	16	83	21	32	85	24	28	0.68

CAD INFO



FCHLASH



Green Pin Tycan® Lashing Chain

Lashing chain made from Dyneema®

- **Material:** made from 100% Dyneema®; layers of webbing in a Mobius twist with stitching on each side
- **Safety Factor:** MBL equals 2 x Lashing Capacity
- **Temperature range:** -60 °C to +70 °C
- **Certification:** 2.1 2.2 MTC[®] DNV TQ
- **Article code:** scan QR code to see article codes

Scan for additional product details

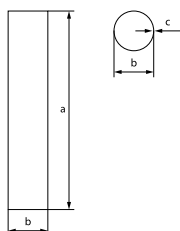


link size	lashing capacity	width link	thickness link	length inside	links per meter	elongation at MBL	weight per meter	layers
mm	t	a mm	b mm	c mm		%	kg	
15x25	10	25	15	100	10	5	0.6	8
13x30	13.6	30	13	125	8	5	0.9	7
15x40	20.6	40	15	175	6	5	1.12	7

CAD INFO



SLEEVE



Green Pin Tycan® Sleeve

Sleeve made from Dyneema®

- **Material:** 100% Dyneema
- **Certification:** 2.1
- **Article code:** scan QR code to see article codes



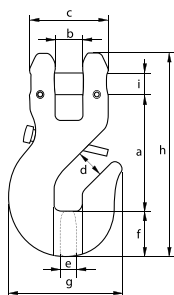
for chain size	length	diameter	thickness	weight each
mm	a mm	b mm	c mm	kg
15x25	500	60	1	0.04
13x30	500	65	1	0.06
15x40	500	75	1	0.10

INFO





UCRCT



Green Pin Tycan® Grab Hook CL GR10

Grade 10 clevis grab hook

- **Material:** alloy steel, grade 10, quenched and tempered
- **Safety factor:** MBL equals 4 x WLL and MBL equals 2 x Lashing Capacity
- **Standard:** follows the EN1677 with grade 10 values and conforms to ASTM A952/A952M
- **Finish:** painted blue
- **Temperature range:** -40 °C up to +200 °C
- **Certification:** 2.1 2.2 3.1 MTC[®] MPI[®] CE IIB
- **Article code:** scan QR code to see article codes
- **Note:** GPUCRCT25 and GPUCRCT30 can also be directly connected with Green Pin Tycan® loadbinder (P-7180)

Scan for additional product details

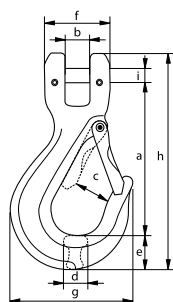


for chain size	lashing capacity	length	width	width outside	opening	thickness	width	width outside	length outside	diameter pin	weight each
mm	t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	kg
15x25	10	102	24	68	25	16	40	99	178	20	2.12
13x30	13.6	100	32	74	30	20	40	102	177	20	1.94
15x40	20.6	128	42	96	40	24	44.7	127	216.5	24	3.37

CAD INFO



UCSCT



Green Pin Tycan® Sling Hook CL GR10

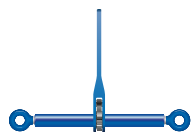
Grade 10 clevis sling hook

- **Material:** alloy steel, grade 10, quenched and tempered
- **Safety factor:** MBL equals 4 x WLL
- **Standard:** follows the EN1677 with grade 10 values and conforms to ASTM A952/A952M
- **Finish:** painted blue
- **Temperature range:** -40 °C up to +200 °C
- **Certification:** 2.1 2.2 3.1 MTC[®] MPI[®] CE IIB
- **Article code:** scan QR code to see article codes
- **Note:** GPUCRCT25 and GPUCRCT30 can also be directly connected with Green Pin Tycan® loadbinder (P-7180)

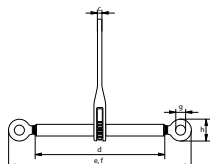


for chain size	lashing capacity	length	width	width opening	thickness	width	width outside	width outside	length outside	diameter pin	weight each
mm	t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	kg
15x25	10	150	24	37	29	35	68	123	220	20	2.15
13x30	13.6	159	32	37	32	39	74	133	235	20	2.56
15x40	20.6	185	42	45	40	43	96	165	271	24	4.25

CAD INFO



P-7180



Green Pin Tycan® Ratchet Loadbinder GR10

Grade 10 ratchet type loadbinder

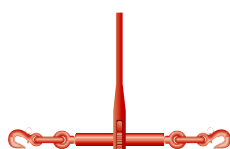
- **Material:** drop forged, grade 10
- **Safety factor:** MBL equals 2x Lashing Capacity
- **Standard:** EN 12195-3
- **Finish:** painted blue
- **Certification:** 2.1 2.2
- **Article code:** scan QR code to see article codes
- **Note:** Stf = 3000daN
UCRCT or UMJT are necessary to connect the loadbinder with the Green Pin Tycan® chain

Scan for additional product details

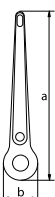
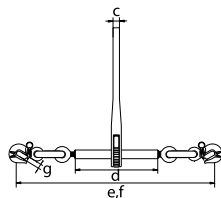


chain size	length handle	diameter	thickness	length barrel	length open position	length closed position	diameter eye inside	diameter eye outside	take-up	lashing capacity	proof load	minimum breaking load	weight each
mm	a	b	c	d	e	f	g	h	mm	t	t	t	kg
15x25	387	65	15	410	858	558	30	64	300	16	20	32	5.17
13x30	387	65	15	410	858	558	30	64	300	16	20	32	5.17

CAD



P-7170



Green Pin® Ratchet Loadbinder HK EN 12195-3

Ratchet type loadbinder with hooks according to EN 12195-3

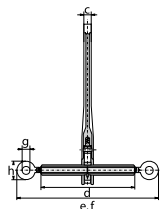
- **Material:** drop forged, grade 8
- **Safety factor:** MBL equals 2 x Lashing Capacity
- **Standard:** EN 12195-3
- **Finish:** painted red
- **Certification:** 2.1 2.2
- **Article code:** scan QR code to see article codes
- **Note:** Stf = 3000 daN



chain size	length handle	diameter	thickness	length barrel	length open position	length closed position	width	take-up	lashing capacity	proof load	minimum breaking load	weight each
mm	a	b	c	d	e	f	g	mm	t	t	t	kg
8	387	65	15	255	735	575	11	160	4	5	8	4.86
10	387	65	15	255	760	595	13	165	6.3	7.9	12.6	5.12
13	387	65	15	260	840	690	16	150	10	12.5	21.2	7.65
16	387	65	15	260	840	690	19	150	16	20	32.2	9.68



P-7190



Green Pin® Ratchet Loadbinder EN 12195-3

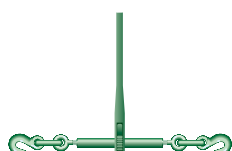
Ratchet type loadbinder without hooks according to EN 12195-3

- **Material:** drop forged, grade 8
- **Safety factor:** MBL equals 2 x Lashing Capacity
- **Standard:** EN 12195-3
- **Finish:** painted red
- **Certification:** 21 22
- **Article code:** scan QR code to see article codes
- **Note:** Stf = 3000 daN

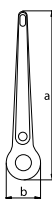
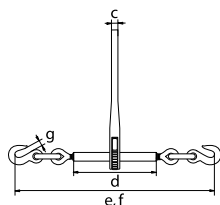
Scan for additional product details



chain size	length handle	diameter	thickness	length barrel	length open position	length closed position	diameter eye inside	diameter eye outside	take-up	lashing capacity	proof load	minimum breaking load	weight each
mm	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	mm	t	t	t	kg
8	387	65	15	255	534	374	18	50	160	4	5	8	3.31
10	387	65	15	255	543	379	20	55	164	6.3	7.9	12.6	3.51
13	387	65	15	260	564	414	26	66	150	10	12.5	21.2	3.96
16	387	65	15	260	564	420	30	71	144	16	20	32.2	4.11



P-7130



Green Pin® Ratchet Loadbinder HK

Ratchet type loadbinder with hooks

- **Material:** drop forged/cast steel
- **Safety factor:** MBL equals 3.5 x Lashing Capacity
- **Finish:** painted red or green
- **Certification:** 21 22
- **Article code:** scan QR code to see article codes



chain size	length handle	diameter	thickness	length barrel	length open position	length closed position	width	take-up	lashing capacity	proof load	minimum breaking load	weight each
mm	a mm	b mm	c mm	d mm	e mm	f mm	g mm	mm	t	t	t	kg
8 - 10	385	65	15	255	735	575	12	160	2.45	4.9	8.62	4.82
10 - 13	385	65	15	255	760	595	16	165	4.17	8.35	14.97	5.81
13 - 16	385	65	15	260	840	690	18	150	5.9	11.8	20.86	7.05



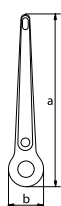
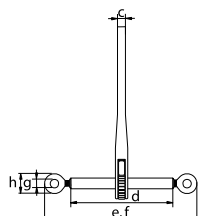
Green Pin® Ratchet Loadbinder

Ratchet type loadbinder without hooks

- **Material:** drop forged/cast steel
- **Safety factor:** MBL equals 3.5 x Lashing Capacity
- **Finish:** painted red or green
- **Certification:** 2.1 2.2
- **Article code:** scan QR code to see article codes



P-7150



chain size	length handle	diameter	thickness	length barrel	length open position	length closed position	diameter eye inside	diameter eye outside	take-up	lashing capacity	proof load	minimum breaking load	weight each
mm	a	b	c	d	e	f	g	h	mm	t	t	t	kg
8 - 10	385	65	15	255	534	374	18	50	160	2.45	4.9	8.62	3.27
10 - 13	385	65	15	255	543	379	20	55	164	4.17	8.35	14.97	3.45
13 - 16	385	65	15	260	564	412	26	66	152	5.9	11.8	20.86	3.84



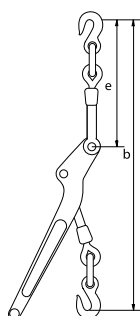
Green Pin® Lever Loadbinder HK

Lever type loadbinder with hooks

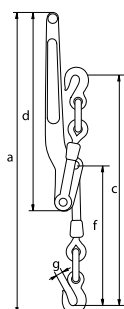
- **Material:** drop forged/cast steel
- **Safety factor:** MBL equals 3.5 x Lashing Capacity
- **Finish:** painted green
- **Certification:** 2.1 2.2
- **Article code:** scan QR code to see article codes



P-7110



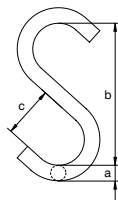
chain size	length	length open position	length closed position	length handle	length	length	width	take-up	lashing capacity	proof load	minimum breaking load	weight each
mm	a	b	c	d	e	f	g	mm	t	t	t	kg
8 - 10	610	592	488	408	287	287	12	104	2.45	4.9	8.62	3.65
10 - 13	768	680	550	458	325	325	16	130	4.17	8.35	14.97	5.08



C



S



S-Hook

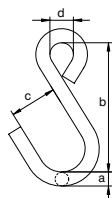
- **Material:** high tensile steel
- **Safety factor:** MBL equals 4 x LC
- **Finish:** painted red
- **Certification:** 2.1 2.2
- **Note:** not designed for lifting

lashing capacity	diameter	length	width	weight each
t	a mm	b mm	c mm	kg
0.2	10	80	30	0.11
0.3	13	100	40	0.24
0.5	16	130	50	0.47
0.75	18	160	60	0.80
1	20	180	65	1.02
1.2	22	200	70	1.40
1.5	24	220	80	1.95
2	32	260	90	3.50
3	36	320	100	5.16
4	40	360	115	7.48
5	45	400	130	10.8
6	51	450	150	16.2

C



SO



S Eye Hook

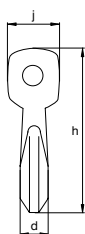
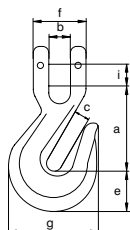
- **Material:** high tensile steel
- **Safety factor:** MBL equals 4 x LC
- **Finish:** painted red
- **Certification:** 2.1 2.2
- **Note:** not designed for lifting

lashing capacity	diameter	length	width	width inside	weight each
t	a mm	b mm	c mm	d mm	kg
0.2	10	80	30	16	0.11
0.3	13	100	40	21	0.25
0.5	16	130	50	25	0.48
0.75	18	160	60	34	0.76
1	20	180	65	44	1.07
1.2	22	200	70	40	1.40
1.5	24	220	80	40	1.79
2	32	260	90	50	3.80
3	36	320	100	52	5.35

C



CAC



Clevis lashing hook

- **Material:** alloy steel, grade 8, quenched and tempered
- **Safety factor:** MBL equals 2 x LC
- **Finish:** painted red
- **Certification:** 2.1 2.2
- **Note:** not designed for lifting

for chain diameter	lashing capacity	length	width	width	thickness	width	width outside	width outside	length outside	diameter pin	width outside	weight each
mm	t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	kg
8	4	65	10	10	16	23	38	56	107	9	19	0.34
10	6.3	82	12	13	25	31	46	75	136	12	27	0.85
13	10	113	16	16	30	43	61	102	185	16	36	1.98
16	16	130	20	19	38	49	69	118	215	20	40	2.95
18/20	25	152	24	24	40	58	88	142	254	22	44	5.12