LIFTING SLING FITTINGS

Applications

Lifting sling fittings are used for the manufacturing of steel chain, Green Pin Tycan® chain, synthetic or steel wire rope slings. With the lifting sling fittings, you can manufacture different configurations; for example, 1 and 2 leg slings or 3 and 4 leg slings. Depending on the type of sling, chain or steel wire rope the fittings have a safety factor of 4 or 5.

Range

Green Pin® offers a wide range of lifting sling fittings such as chain fittings, thimbles, wire rope clips, sleeves, sockets etc. With the wide range of lifting sling fittings, a complete sling from the top master link to the hooks can be assembled.

To complement the Green Pin® assortment, Royal Van Beest also offers a wide range of other (commercial) lifting components.

Finish

The finish of the lifting components is either self-coloured, painted, electro-galvanized or hot dipped galvanized. You can find the finish per product on the product page itself.

Certification

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

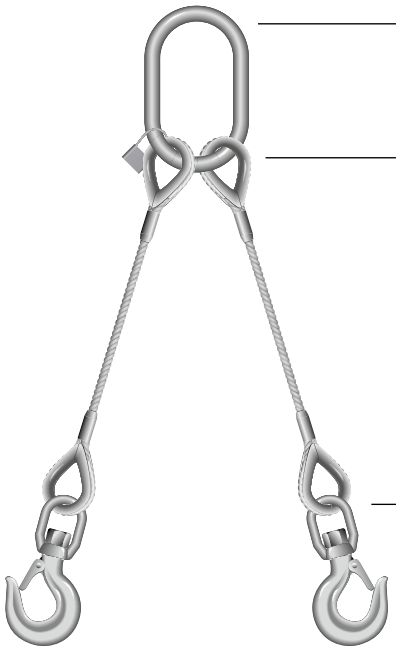
Index

To create an easy overview that shows directly which products can be used per type of chain, this chapter has been split up in five subchapters.

Please find below which type of products can be found per subchapter.

3.1 For Wire Rope

In the wire rope subchapter, you will find the components which can be used to make a wire rope sling.



Top Links (page 88)
Master Links and Master Link Assemblies

Sling accessories (page 98)
Thimbles
Wire rope clips
Sleeves

End-fittings (page 120)
Sockets
Swivels
Hooks

Accessories (page 142)
Tags
Chip

3.2 For Grade 8 chain

In the grade 8 subchapter, you will find the components which can be used to make a grade 8 steel chain sling.

Top Links (page 150)
Master Links and Master Link Assemblies

Connectors (page 152)
Links

Chain (page 153)
Grade 8 steel chain

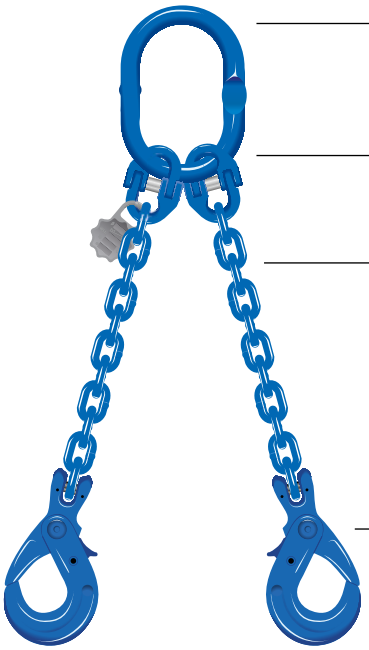
Shorteners (page 154)
Shortening hooks
Shortening clutches

End-fittings (page 156)
Hooks

Accessories (page 167)
Tags
Chip
Spareparts

3.3 For Grade 10 chain

In the grade 10 subchapter, you will find the components which can be used to make a grade 10 steel chain sling.



Top Links (page 180)
Master Links and Master Link Assemblies

Connectors (page 184)
Links

Chain (page 185)
Grade 10 steel chain

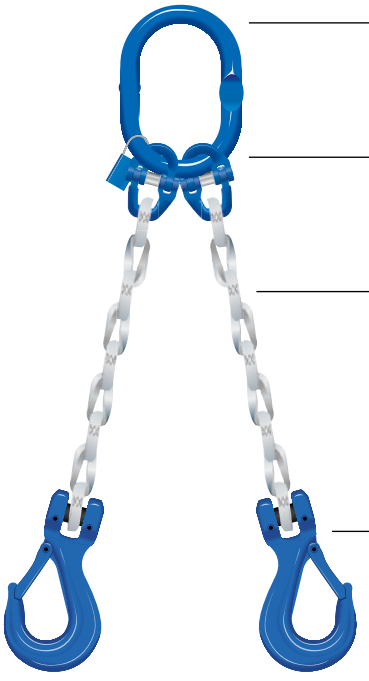
Shorteners (page 186)
Shortening hooks
Shortening clutches

End-fittings (page 189)
Hooks

Accessories (page 195)
Tags
Chip
Spareparts

3.4 For Green Pin Tycan® chain

In the Green Pin Tycan® subchapter, you will find the components which can be used to make a Green Pin Tycan® lifting fibre chain sling.



Top Links (page 208)
Master Links and Master Link Assemblies

Connectors (page 212)
Links

Chain (page 214)
Green Pin Tycan® fibre lifting chain

Shorteners (page 215)
Shortening hooks

End-fittings (page 216)
Hooks

Accessories (page 219)
Tags
Chip
Spareparts

3.5 For synthetic slings

In the synthetic sling subchapter, you will find the components which can be used to make a synthetic sling chain.

Top Links (page 228)
Master Links and Master Link Assemblies

Connectors (page 230)
Links

End-fittings (page 231)
Hooks

Slings accesories (page 232)
Thimbles

Accessories (page 241)
Tags
Chip
Spareparts

LIFTING SLING FITTINGS

FOR GRADE 10 CHAIN

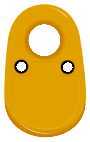
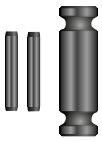
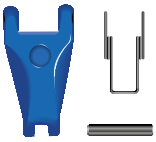
Applications

Green Pin® grade 10 lifting sling fittings enable the assembly of a complete sling from the top master link to the hook, with a 25 % WLL higher than grade 8.

For specific product information the following product groups can be found on the mentioned page:

Top links					
 **UMS** page 180	 **UMTS** page 181	 **UMSW** page 182	 **UMTSW** page 183		
Connectors					
 **UMP** page 184	 **UCO** page 184	 **UMJ** page 185			
Chain					
 **UCHAIN** page 185					

Table continues on next page

Shorteners					
 **UCRO** page 186	 **UCRC** page 186	 **UGC** page 187	 **UGCV** page 187	 **UGDV** page 188	
End-fittings					
 **UELR** page 189	 **UCSO** page 190	 **UCSC** page 190	 **UXLO** page 191	 **UXLORT** page 191	 **UXLC** page 192
 **UXLCRT** page 192	 **UXLE** page 193	 **UXLERT** page 193	 **UCFO** page 194		
Accessories					
 **TAG** page 195	 **UTAGF** page 195	 **TAGRFID** page 196	 **CHIPRFID** page 196	 **VR** page 197	 **VRRT** page 197
 **UAC** page 198	 **URMJ** page 198	 **ULF** page 199			

Range

Green Pin® supplies a range of grade 10 lifting sling fittings generally from 6 mm to 20 mm chain diameters.

Below lifting sling fittings can be found:
- Links, e.g. Green Pin® Master Link, Connecting Link
- Chain, e.g. Green Pin® Lifting Chain Grade 10
- Swivel, e.g. Green Pin® Needle Bearing Swivel Eye-Eye
- Hooks, e.g. Green Pin® Sling Hook, Self Locking Hook

Design

Grade 10 lifting sling fittings has **up to 25% higher load capacity than grade 8** lifting sling fittings. Connecting links and lifting sling fittings with clevis connection are supplied unassembled and ready for immediate use. Assembly is quick and easy.
Master links, eye hooks, eye swivels are generally supplied with a flat part for easy connection to the sling or for easy assembly with the omega link.

There are different types of hooks with specific designs to suit various purposes.

Hooks attachment options to sling:
- Hook with an eye at the top
- Hook with a swivel eye at the top
- Hook with a clevis at the top

Hook designs:
- Self-locking hook
- Self-locking hook with a recessed trigger
- Sling hook
- Grab hook
- Foundry hook

Chain slings can be shortened by using a grab hook or a shortening clutch.

Grade 10 lifting sling fittings are generally marked with:
- manufacturer's symbol - e.g. GP
- size in mm and/ or inch - e.g. 13 and/or $^{1}/_{2}$"
- traceability code - e.g. HA
- steel grade - e.g. 10
- item code (specific products) - e.g. UMJ
- origin (specific products) - e.g. France
- DGUV certified (specific products) - e.g. H94

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

All grade 10 lifting sling fittings are painted. Grade 10 lifting sling fittings under the Green Pin® brand are painted blue.

Certification

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

Instructions for use

Grade 10 lifting sling fittings, should be inspected before use to ensure that:

- all markings are legible.
- all lifting sling fittings of the complete sling are made of the same steel grade 10.
- a lifting sling fitting with the correct WLL has been selected with respect to the sling design. For further details, refer to the EN 818-4 with values for grade 10 and ASME B30.9 standard for Chain Slings.
- the pin, bolt, nut, bush or any other locking system cannot move or vibrate out of position.
- lifting sling fittings are free from nicks, gouges, and cracks.
- lifting sling fittings are not heat treated, modified, repaired or reshaped by machining or bent. (This may affect their Working Load Limit).
- lifting sling fittings items are not distorted or unduly worn. (Maximum allowable wear is 10 % of the original diameter)
- the latch of the hook(s) is present and functional.
- the hook is never side-, tip- or back- loaded.
- the hook is supporting the load correctly.
- the latch should not be supporting any load.
- only use the lifting sling fittings for in-line lifting.

Grade 10 lifting sling fittings must be regularly inspected in accordance with the safety standards given in the country of use. This is required because the products in use may be affected by issues such as wear, misuse, and overloading, which may lead to deformation and alteration of the material structure. Inspection should take place at least every six months (follow the local rules in the country of use), and more frequently when the links are used in severe operating conditions.

Testing

Generally load rated products are proof load and MPI tested.
For specific information on certificates we refer to the separate paragraph on certification.

Green Pin® grade 10 lifting sling fittings are proof load tested at the following loads:

for chain diameter	Working Load Limit (WLL)	Proofload (PL)
mm	t	t
6	1.4	3.5
7	1.95	4.88
8	2.6	6.5
10	4	10
13	6.8	17
16	10.3	25.75
20	16	40

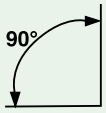
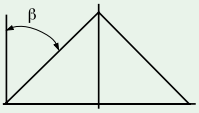
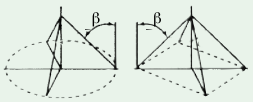
Temperature

If extreme temperature situations occur, the following load reductions must be taken into account:

Temperature °Celsius	Temperature °Fahrenheit	Reduction for elevated temperatures New Working Load Limit
-40 °C up to 200 °C	-40 °F up to 392 °F	100 % of original WLL
200 - 300 °C	392 - 572 °F	90 % of original WLL
300 - 400 °C	572 - 752 °F	75 % of original WLL
> 400 °C	> 752 °F	not allowed

Note: Grade 10 lifting chain, designation UCHAIN temperature range is -40 °C up to +200 °C. This chain cannot be used above +200 °C.

Working Load Limit table for Grade 10 Chain Slings to EN 818-4 with values for grade 10

Chain Ø						
	1 leg sling	2 leg sling		3 or 4 leg sling		Endless Sling
	90°	0°<ß ≤ 45°	45°<ß ≤ 60°	0°<ß ≤ 45°	45°<ß ≤ 60°	
		Safety factor 1.4	Safety factor 1.0	Safety factor 2.1	Safety factor 1.5	Safety factor 1.6
mm	t	t	t	t	t	t
6	1.4	1.95	1.40	2.95	2.10	2.24
8	2.6	3.69	2.60	5.50	3.90	4.16
10	4	5.65	4.00	8.50	6.00	6.40
13	6.8	9.60	6.80	14.20	10.20	10.88
16	10.3	14.50	10.30	21.80	15.45	16.48
20	16	22.40	16.00	33.60	24.00	25.60
22	19	26.50	19.00	40.00	28.00	30.40

When using multi leg slings make sure that the angles between the lifting points and sling legs are within the range marked on the sling. The angle ß, which is the angle between the sling leg and the vertical, should never exceed 60°.

Symmetry of loading

The WLL values mentioned have been determined are based on symmetrical loading of the sling. This means that when the load is lifted, the sling legs are symmetrically distributed in the plane and all legs of the sling have the same angles to the vertical. For more details on chain slings refer to EN 818-6:2000+A1:2008.

The loading can be assumed to be symmetric if all the following conditions are met:
- the load is less than 80 % of marked WLL and
- sling leg angles to the vertical are all more than 15° and
- sling leg angles to the vertical are all within 15° to each other and
- in the case of three- and four- leg slings, the plane angles are within 15° of each other.

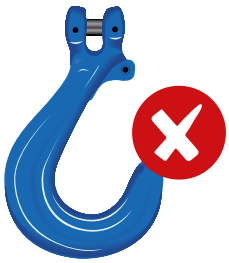
If one of the above parameters is not met, the loading should be considered to be asymmetric, and the lift should be referred to a competent engineer to establish the safe rating for the sling. Alternatively, in the case of asymmetric loading, the sling should be derated to half the marked WLL. If the load tends to tilt during the lift, it should be lowered, and the attachments changed by repositioning the attachment points or by using compatible shortening devices. The safety factor of 4 on the individual components is designed for safety only. Never exceed the indicated WLL.

Use the below reduction table if a multi leg sling is not used for the purpose for which it has been designed, for example for a lifting operation with fewer legs than the number of legs of the sling:

Types of chain sling	Number of legs used	Factor to apply to marked WLL
Two-leg	1	1/2
Three- and four-leg	2	2/3
Three- and four-leg	1	1/3

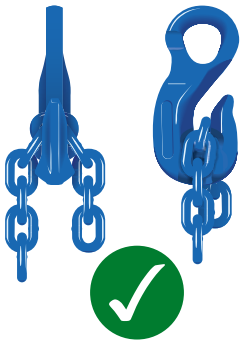
Examples of do's and don'ts

A hook cannot be used as a clamp.

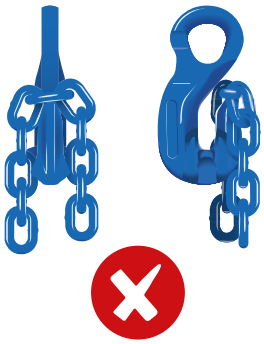


Don't use hooks without latch, as an exception is the foundry hook.

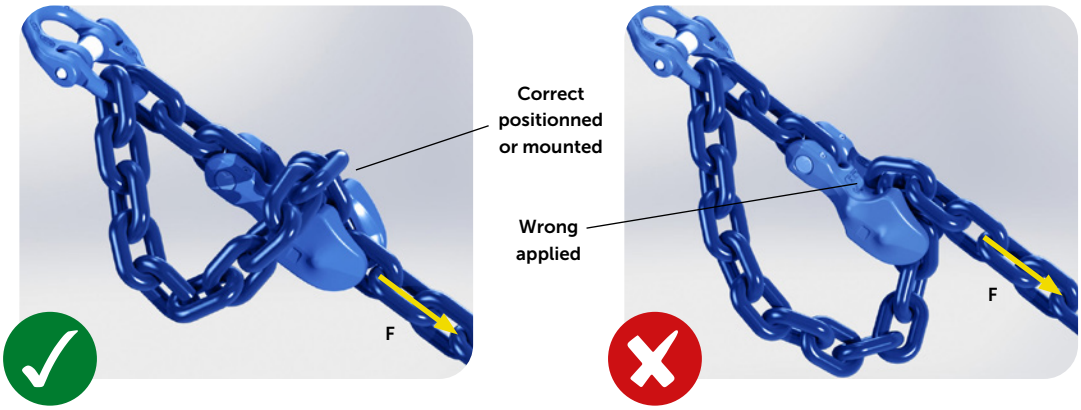
Hook body and latch may not be bent. This is a sign the hook is overloaded.



Position the chain properly in the throat.



Do not tip load hooks.



Load (F) bearing chain always needs to be at the bottom of the shortening clutch.

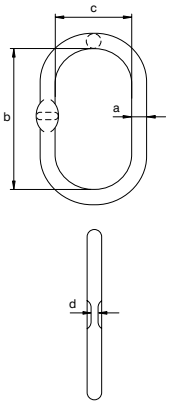
Green Pin® Master Link GR10

Grade 10 master 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 and ASME B30.9
- **Finish:** painted blue
- **Temperature range:** -40 °C up to +200 °C
- **Certification:** 2.1 2.2 3.1 MTC [b] MPI [a] CE IIB
- **Article code:** scan QR code to see article codes

UMS



diameter	diameter chain 1 leg	diameter chain 2 legs		working load limit	length inside	width inside	thickness	weight each
a		ß ≤ 45°	45° < ß ≤ 60°		b	c	d	
mm	mm	mm	mm	t	mm	mm	mm	kg
13	6	6	6	2	115	60	7	0.40
16	8	-	8	3.2	120	70	7	0.60
18	10	8	10	5.4	135	75	9	0.84
22	13	10	13	8.2	170	90	11	1.60
25	16	13	16	11.2	190	103	14	2.17
30	18/20	16	18/20	16	235	125	17	4
38	22	20/22	22	27.6	250	150	22	7.10

CAD

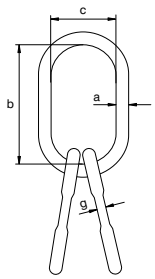
Green Pin® Master Link Assembly GR10

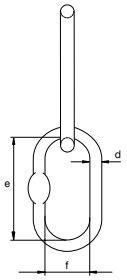
Grade 10 master link assembly

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 and ASME B30.9
- **Finish:** painted blue
- **Temperature range:** -40 °C up to +200 °C
- **Certification:** 2.1 2.2 3.1 MTC [b] MPI [a] CE IIB
- **Article code:** scan QR code to see article codes

UMTS





diameter	diameter chain 3/4 legs		working load limit	length inside	width inside	diameter	length inside	width inside	thickness	weight each
a	ß ≤ 45°	45° < ß ≤ 60°		b	c	d	e	f	g	
mm	mm	mm	t	mm	mm	mm	mm	mm	mm	kg
18	6	6	3.65	135	75	16	120	70	7	1.97
22	8	8/10	6.8	170	90	18	135	75	9	3.30
28	10	13	11	209	120	20	150	82	11	5.40
36	13	16	17.7	270	145	25	190	103	14	11.2
38	16	18/19	21.2	250	150	30	235	125	17	15.1
50	20	22	41.6	380	200	38	250	150	22	32.2

CAD

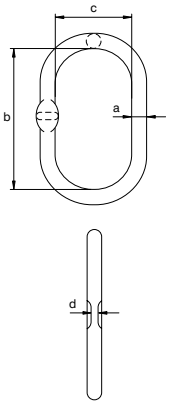
Green Pin® Wider Master Link GR10

Grade 10 wider master link

Scan for additional product details

- **Material:** alloy steel, grade 10, quenched and tempered
- **Safety factor:** MBL equals 5 x WLL
- **Standard:** follows the EN1677 with grade 10 values and conforms to ASTM A952/A952M and ASME B30.9
- **Finish:** painted blue
- **Temperature range:** -40 °C up to +200 °C
- **Certification:** 2.1 2.2 3.1 MTC [b] MPI [a] CE IIB
- **Article code:** scan QR code to see article codes

UMSW



working load limit	diameter	length inside	width inside	thickness	weight each
t	a mm	b mm	c mm	d mm	kg
4.1	17	160	90	9	0.85
6.7	19	160	90	9	1.08
11.5	25	210	115	13	2.43
17	33	270	140	17	5.40
27.7	38	275	150	21	7.50
45	50	380	200	50	17.7
64	56	400	200	56	23.5

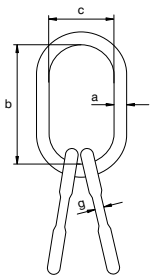
CAD

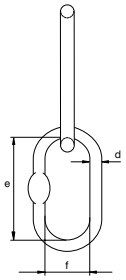
Green Pin® Wider Master Link Assembly GR10

Grade 10 wider master link assembly

Scan for additional product details

UMTSW





- **Material:** alloy steel, grade 10, quenched and tempered
- **Safety factor:** MBL equals 5 x WLL
- **Standard:** follows the EN1677 with grade 10 values and conforms to ASTM A952/A952M and ASME B30.9
- **Finish:** painted blue
- **Temperature range:** -40 °C up to +200 °C
- **Certification:** 2.1 2.2 3.1 MTC [b] MPI [a] CE IIB
- **Article code:** scan QR code to see article codes

working load limit	diameter	length inside	width inside	diameter	length inside	width inside	thickness	weight each
t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	kg
4.3	19	160	90	14	120	70	9	1.96
6.7	23	180	100	17	160	90	9	3.50
28.1	40	300	160	33	270	140	17	19.8
38.3	45	340	180	38	275	150	21	27.8
75	60	400	200	50	380	200	50	62.5

CAD

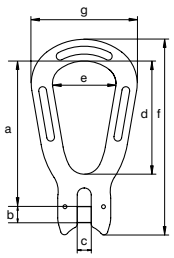
Scan for additional product details

Green Pin® Pear Shaped Link GR10

Grade 10 pear shaped 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 [a] MPI [b] CE IIB
- **Article code:** scan QR code to see article codes

UMP



for chain diameter	working load limit	length	diameter pin	width	length inside	width inside	length	width outside	weight each
mm	t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	kg
6	1.4	84	8	7	64	33	109	55	0.14
7	1.95	100	10	9	77	40	132	69	0.28
8	2.6	100	10	9	77	40	132	69	0.28
10	4	125	13	12	97	50	165	84	0.63
13	6.8	161	16	15	125	66	213	110	1.40
16	10.3	198	20	19	154	84	262	140	2.73

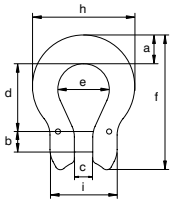
CAD INFO

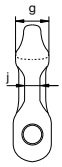
Green Pin® Omega Link GR10

Grade 10 omega 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 [a] MPI [b] DGUV CE IIB
- **Article code:** scan QR code to see article codes

UCO





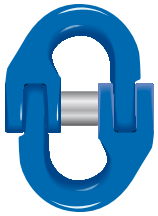
for chain diameter	working load limit	width	diameter pin	width	length inside	width bow	length outside	thickness	width outside	width outside	thickness	weight each
mm	t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	kg
6	1.4	14	8	7	25	20	53	13	41	28	6	0.07
7	1.95	21	10	9	34	24	72	16	58	32	9	0.18
8	2.6	21	10	9	34	24	72	16	58	32	9	0.18
10	4	21	13	12	40	31	84	19	67	42	11	0.28
13	6.8	28	16	15	51	40	109	23	90	54	14	0.64
16	10.3	35	20	19	64	48	135	27	110	68	17	1.21

CAD INFO

Scan for additional product details »

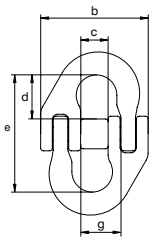
Green Pin® Connecting Link GR10

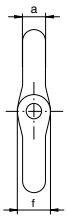
Grade 10 connecting link



- **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 [a] MPI [b] DGUV CE IIB
- **Article code:** scan QR code to see article codes

UMJ





for chain diameter	working load limit	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
6	1.4	8	42	11	20	52	11	15	0.09
7	1.95	9	53	14	20	55	16	19	0.18
8	2.6	9	53	14	20	55	16	19	0.18
10	4	12	66	18	23	64	18	23	0.31
13	6.8	16	83	21	32	85	24	28	0.68
16	10.3	19	105	25	40	105	28	34	1.27
20	16	23	122	33	49	128	38	42	2.27

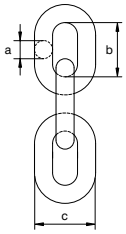
CAD INFO

Green Pin® Lifting Chain GR10

Grade 10 lifting chain

- **Material:** alloy steel, grade 10, quenched and tempered
- **Safety factor:** MBL equals 4 x WLL
- **Standard:** follows the EN818-2 with grade 10 values
- **Finish:** painted blue
- **Temperature range:** -40 °C up to 200 °C
- **Certification:** 2.1 2.2 3.1 MTC [b] CE IIB
- **Article code:** scan QR code to see article codes

UCHAIN



diameter	working load limit	length inside	width outside	links per meter	length per drum	weight per meter
a mm	t	b mm	c mm		m	kg
6	1.4	18	22	55.56	200	0.80
8	2.6	24	30	41.67	200	1.50
10	4	30	36	33.33	200	2.30
13	6.8	39	48	25.64	100	3.90
16	10.3	48	58	20.83	100	5.80
20	16	60	72	16.67	50	8.90

CAD

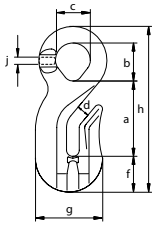
Scan for additional product details

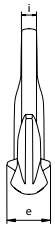
Green Pin® Grab Hook E GR10

Grade 10 eye grab 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 [a] MPI [b] CE IIB
- **Article code:** scan QR code to see article codes

UCRO





for chain diameter	working load limit	length	inside length eye	inside width eye	opening	thickness	width	width outside	length outside	width	thickness	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
6	1.4	41	24	23	8	24	20	42	94	9	6	0.24
7/8	2.6	53	27	27	10	37	28	53	120	10	8	0.51
10	4	67	38	36	12	42	39	66	158	14	10	1.08
13	6.8	84	42	42	15	56	40	87	186	16	12	2
16	10.3	104	53	52	19	65	58	106	236	17	16	2.49

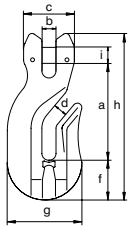
CAD

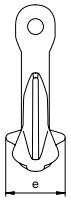
Green Pin® Grab Hook CL GR10

Grade 10 clevis grab 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 [a] MPI [b] CE IIB
- **Article code:** scan QR code to see article codes

UCRC





for chain diameter	working load limit	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
6	1.4	52	7	28	8	24	25	42	91	8	0.35
7	1.95	64	9	32	10	37	28	53	108	10	0.35
8	2.6	64	9	32	10	37	28	53	108	10	0.35
10	4	89	11	42	12	42	39	66	151	13	1.06
13	6.8	103	15	54	15	56	40	87	173	16	1.70
16	10.3	120	18	67	19	65	58	106	214	20	3.76

CAD INFO

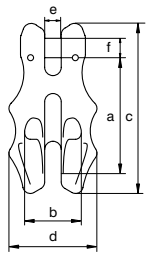
Scan for additional product details

Green Pin® Shortening Clutch GR10

Grade 10 shorting clutch with locking pin

- **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

UGC



for chain diameter	working load limit	length	width inside	length	width outside	width	diameter pin	weight each
mm	t	a mm	b mm	c mm	d mm	e mm	f mm	kg
6	1.4	52	23	75	42	7	8	0.23
7	1.95	67	30	94	50	9	10	0.45
8	2.6	67	30	94	50	9	10	0.45
10	4	83	38	116	63	11	13	0.90
13	6.8	104	49	149	79	14	16	1.78
16	10.3	127	60	184	99	18	20	3.20
20	16	154	75	215	124	22	24	5.78

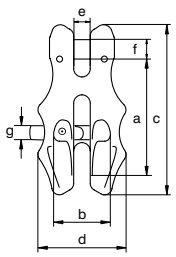
CAD INFO

Green Pin® Shortening Clutch with Lock GR10

Grade 10 shortening clutch with locking pin

- **Material:** alloy steel, grade 10, quenched and tempered
- **Safety factor:** MBL equals 4 x WLL
- **Standard:** follows the EN1677 and DIN5692 with grade 10 values and 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

UGCV



for chain diameter	working load limit	length	width inside	length	width outside	width	diameter pin	diameter pin	weight each
mm	t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	kg
6	1.4	52	23	75	42	7	8	7	0.23
8	2.6	67	30	94	50	9	10	8	0.44
10	4	83	38	116	63	11	13	12	0.87
13	6.8	104	49	149	79	14	16	16	1.67
16	10.3	127	60	184	99	18	20	20	3.10
20	16	154	75	215	124	22	24	20	5.80

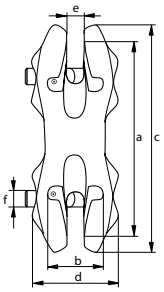
CAD INFO

Green Pin® Shortening Clutch with Double Lock GR10

Scan for additional product details

Grade 10 shortening clutch with double locking pin

UGDV



- **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 IIA
- **Article code:** scan QR code to see article codes

for chain diameter	working load limit	length	width inside	length	width outside	width	diameter pin	weight each
mm	t	a mm	b mm	c mm	d mm	e mm	f mm	kg
6	1.4	100	23	120	42	7	7	0.49
8	2.6	112	30	140	50	9	8	0.77
13	6.8	180	49	208	79	15	16	2.85

CAD INFO

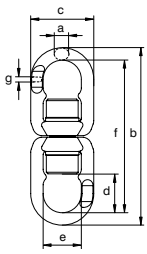
Green Pin® Needle Bearing Swivel EE GR10

Grade 10 needle bearing eye-eye swivel

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] CE IIB
- **Article code:** scan QR code to see article codes
- **Note:** equipped with two thrust needle roller bearings to enable rotation under load

UELR



for chain diameter	working load limit	diameter	length outside	width outside	length inside	width inside	length	thickness	weight each
mm	t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	kg
6	1.4	12	149	56	33	32	126	6	0.61
7/8	2.6	14	181	65	40	37	153	8	1.07
10	4	16	226	79	48	48	195	11	1.90
13	6.8	20	268	96	60	58	227	14	3.17
16	10.3	25	329	121	67	73	279	17	6.44
20	16	25	378	132	88	82	328	22	7.75

CAD

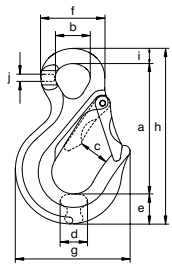
Scan for additional product details

Green Pin® Sling Hook E GR10

Grade 10 eye 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 [a] MPI [b] DGUV CE IIB
- **Article code:** scan QR code to see article codes
- **Note:** from 10 t without flat part

UCSO



for chain diameter	working load limit	length	diameter inside eye	width opening	thickness	width	diameter eye outside	width outside	length	width	thickness	weight each
		a	b	c	d	e	f	g	h	i	j	
mm	t	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
6	1.4	86	23	26	15	19	43	73	114	10	6	0.28
7/8	2.6	103	26	30	19	24	51	87	139	12	8	0.52
10	4	129	36	33	24	28	65	106	171	15	10	1.09
13	6.8	152	41	37	32	39	77	133	209	18	12	1.94
16	10.3	191	52	43	40	43	94	165	255	21	17	3.51
20	16	237	61	61	49	61	115	208	326	28	21	7.08

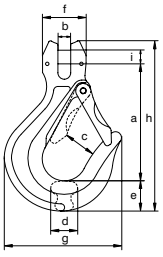
CAD INFO

Green Pin® 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 [a] MPI [b] DGUV CE IIB
- **Article code:** scan QR code to see article codes

UCSC



for chain diameter	working load limit	length	width	width opening	thickness	width	width outside	width outside	length outside	diameter pin	weight each
		a	b	c	d	e	f	g	h	i	
mm	t	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
6	1.4	74	7	26	15	20	28	72	108	8	0.29
7	1.95	95	9	30	20	24	32	87	136	9	0.58
8	2.6	95	9	30	20	24	32	87	136	9	0.58
10	4	113	11	33	24	29	42	106	164	13	1.11
13	6.8	139	15	37	32	39	54	133	208	16	2.12
16	10.3	162	18	44	40	44	68	165	240	20	3.78
20	16	199	23	61	49	62	82	208	305	24	7.49

CAD INFO

Scan for additional product details

Green Pin® Self Locking Hook E GR10

Grade 10 eye self locking 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 [a] MPI [b] DGUV CE IIB
- **Article code:** scan QR code to see article codes

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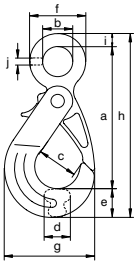

for chain diameter	working load limit	length	diameter inside eye	width opening	thickness	width	width outside	width outside	length	width	thickness	weight each
mm	t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	kg
6	1.4	113	24	32	16	24	47	75	148	11	6	0.51
7/8	2.6	136	30	43	24	28	57	91	178	14	8	0.91
10	4	168	36	48	32	34	68	110	218	16	10	1.79
13	6.8	201	47	63	37	43	87	141	264	20	13	3.36
16	10.3	251	60	75	43	56	111	182	332	26	16	7
20	16	283	70	90	52	62	126	203	373	28	21	9.22

CAD INFO

Green Pin® Self Locking Hook E RT GR10

Grade 10 eye self locking hook with recessed trigger

- **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

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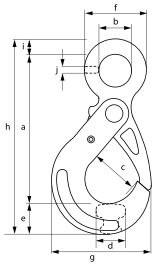

for chain diameter	working load limit	length	diameter inside eye	width opening	thickness	width	width outside	width outside	length	width	thickness	weight each
mm	t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	kg
7/8	2.6	136	30	43	24	28	57	91	178	14	7	0.90
10	4	168	36	48	32	34	68	111	218	16	10	1.77
13	6.8	201	47	63	37	43	87	141	264	20	13	3.34
16	10.3	251	60	75	43	56	111	182	332	26	16	6.98
20	16	283	70	90	52	62	126	203	373	28	20	9.20

CAD INFO

Scan for additional product details

Green Pin® Self Locking Hook CL GR10

Grade 10 clevis self locking 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 [a] MPI [b] DGUV CE IIB
- **Article code:** scan QR code to see article codes

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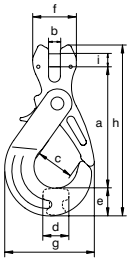


for chain diameter	working load limit	length	width	width opening	thickness	width	width outside	width outside	length	diameter pin	weight each
mm	t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	kg
6	1.4	93	7	32	17	24	28	75	130	8	0.49
7	1.95	116	9	43	24	28	32	91	161	10	0.91
8	2.6	116	9	43	24	28	32	91	161	10	0.91
10	4	144	11	48	32	34	42	112	201	13	1.74
13	6.8	169	15	63	37	44	54	141	242	16	3.33
16	10.3	204	18	75	43	56	68	182	296	20	6.75
20	16	234	22	90	52	62	82	205	341	24	9.57

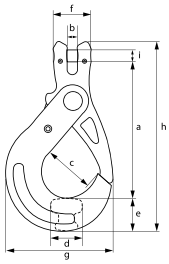
CAD INFO

Green Pin® Self Locking Hook CL RT GR10

Grade 10 clevis self locking hook with recessed trigger

- **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

UXLCRT



for chain diameter	working load limit	length	width	width opening	thickness	width	width outside	width outside	length	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
7	1.95	116	9	43	24	28	32	91	161	10	0.90
8	2.6	116	9	43	24	28	32	91	161	10	0.90
10	4	144	12	48	32	34	42	112	201	13	1.72
13	6.8	169	15	63	37	44	54	141	242	16	3.31
16	10.3	204	19	75	43	56	68	182	296	20	6.73
20	16	234	23	90	52	62	82	205	341	24	9.55

CAD INFO

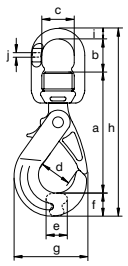
Scan for additional product details

Green Pin® Self Locking Hook SE GR10

Grade 10 swivel self locking 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 [a] MPI [b] DGUV CE IIB
- **Article code:** scan QR code to see article codes
- **Note:** equipped with thrust needle roller bearings to enable rotation under load

UXLE



for chain diameter	working load limit	length	length inside	width inside	width opening	thickness	width	width outside	length	diameter	thickness	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
6	1.4	123	33	32	32	17	24	75	191	12	6	0.78
7/8	2.6	149	41	37	43	24	28	91	232	14	8	1.39
10	4	186	47	48	48	32	34	112	283	16	11	2.56
13	6.8	214	60	58	63	37	44	141	337	21	14	4.56
16	10.3	273	67	73	75	43	56	182	420	25	17	9.50
20	16	304	87	82	90	52	62	205	478	25	22	12.4

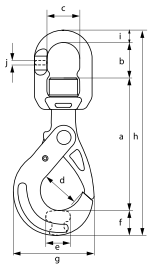
CAD INFO

Green Pin® Self Locking Hook SE RT GR10

Grade 10 swivel self locking hook with recessed trigger

- **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
- **Note:** equipped with thrust needle roller bearings to enable rotation under load

UXLERT



for chain diameter	working load limit	length	length inside	width inside	width opening	thickness	width	width outside	length	diameter	thickness	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
7/8	2.6	149	41	37	43	24	28	91	232	14	8	1.38
10	4	186	47	48	48	32	34	112	283	16	11	2.54
13	6.8	214	60	58	63	37	44	141	337	21	14	4.54
16	10.3	273	67	73	75	43	56	182	420	25	17	9.48
20	16	304	87	82	90	52	62	205	478	25	21	12.4

CAD INFO

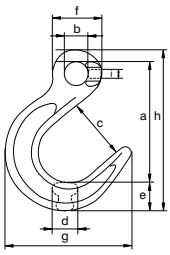
Green Pin® Foundry Hook E GR10

Grade 10 eye foundry hook

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

UCFO



for chain diameter	working load limit	length	diameter eye inside	width opening	thickness	width	diameter eye outside	width outside	length	thickness	weight each
mm	t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	kg
6	1.4	93	19	48	17	21	38	97	124	7	0.33
7/8	2.6	125	25	64	22	28	50	129	165	9	0.78
10	4	157	34	79	28	35	65	161	208	11	1.50
13	6.8	190	44	95	35	45	84	198	255	13	3

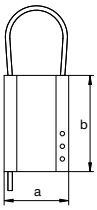
Scan for additional product details

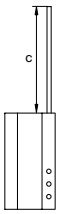
Green Pin® ID Tag

Aluminium identification tag

- **Material:** aluminium
- **Finish:** see table below
- **Certification:** 2.1

TAG

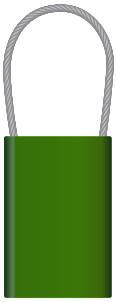




partnumber	finish	width	length	length	weight each
		a mm	b mm	c mm	kg
TAGVIERGE	self-coloured	51	76	220	0.07
TAGJ	anodized yellow	51	76	220	0.07
TAGGREEN	anodized green	51	76	220	0.07
TAGRED	anodized red	51	76	220	0.07
TAGBLUE	anodized blue	51	76	220	0.07
TAGDEMI	self-coloured	51	38	220	0.04
TAGB without wire rope	self-coloured	51	76		0.06

TAGVIERGE

TAGJ



TAGGREEN

TAGRED

TAGBLUE

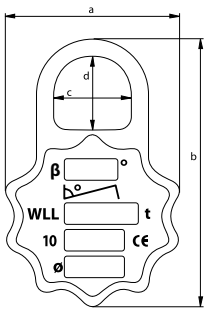
TAGDEMI

Green Pin® ID Tag for Grade 10 Slings

Forged identification tag for grade 10 slings

- **Material:** drop forged mild steel
- **Finish:** electro galvanized
- **Certification:** 2.1

UTAGF



width	length	width inside	length inside	weight each
a mm	b mm	c mm	d mm	kg
79	121	35	32	0.30

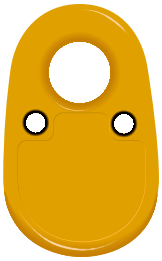
RFID

Scan for additional product details

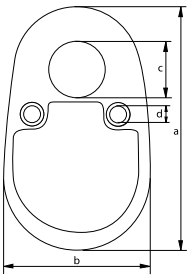
Green Pin® RFID Tag

Accessory for radio-frequency identification of slings

- **Material:** stainless steel
- **Standard:** RF Protocol ISO 15693 Operating Frequency HF - 13.56 MHz with individual serial number
- **Finish:** polymer
- **Temperature range:** -40 °C up to +125 °C
- **Certification:** 2.1
- **Note:** IP68; water and ice proof



TAGRFID



length	width	diameter	diameter	weight per 100 pcs
a mm	b mm	c mm	d mm	kg
53	33	12	4	1.80

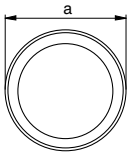
RFID INFO

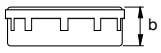
Green Pin® RFID Chip

Accessory for radio-frequency identification of slings

- **Material:** polymer
- **Standard:** RF Protocol ISO 15693 Operating Frequency HF - 13.56 MHz with individual serial number
- **Temperature range:** -40 °C up to +125 °C
- **Certification:** 2.1
- **Note:** IP68; water and ice proof

CHIPRFID





diameter	thickness	weight per 100 pcs
a mm	b mm	kg
6	2	0.02

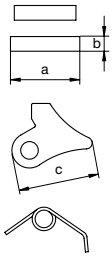
RFID INFO

Green Pin® Self Locking Hooks GR8/GR10 Spare Kit

Replacement kit for grade 8 and 10 self locking hooks

- **Material:** steel
- **Finish:** self-coloured
- **Temperature range:** -40 °C up to +200 °C
- **Certification:** 2.1 CE IIB
- **Note:** plastic tube included, to make assembly easier

VR



partnumber	length pin	diameter pin	width	weight each
	a mm	b mm	c mm	kg
VR1	22	6	28	0.02
VR2	26	6	31	0.03
VR3	32	8	37	0.05
VR4	40	10	47	0.10
VR5	55	10	58	0.20

partnumber	for fitting		
	UXLO	UXLC	UXLE
VR1	GPUXLO0	GPUXLC0	GPUXLE0
VR2	GPUXLO1	GPUXLC07	GPUXLE1
		GPUXLC1	
VR3	GPUXLO2	GPUXLC2	GPUXLE2
VR4	GPUXLO3	GPUXLC3	GPUXLE3
VR5	GPUXLO4	GPUXLC4	GPUXLE4
	GPUXLO5	GPUXLC5	GPUXLE5

INFO

Green Pin® Self Locking Hooks RT GR10 Spare Kit

Replacement kit for grade 8 and 10 self locking hooks with recessed trigger

- **Material:** steel
- **Finish:** self-coloured
- **Temperature range:** -40 °C up to +200 °C
- **Certification:** 2.1 CE IIB
- **Note:** plastic tube included, to make assembly easier

VRRT

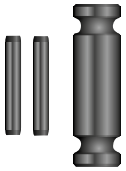
partnumber	length pin	diameter pin	width	weight each
	a mm	b mm	c mm	kg
GPVR2RT	26	6	31	0.03
GPVR3RT	32	8	37	0.05
GPVR4RT	40	10	47	0.10
GPVR5RT	55	10	58	0.20

partnumber	for fitting		
	UXLORT	UXLCRT	UXLERT
GPVR2RT	GPUXLO1RT	GPUXLC1RT	GPUXLE1RT
GPVR3RT	GPUXLO2RT	GPUXLC2RT	GPUXLE2RT
GPVR4RT	GPUXLO3RT	GPUXLC3RT	GPUXLE3RT
GPVR5RT	GPUXLO4RT	GPUXLC4RT	GPUXLE4RT
	GPUXLO5RT	GPUXLC5RT	GPUXLE5RT

INFO

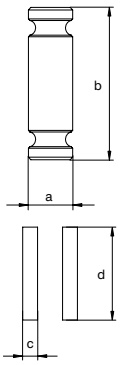
Green Pin® Clevis Fittings GR10 Spare Kit

Grade 10 spare kit for clevis fittings



- **Material:** alloy steel, grade 10, quenched and tempered
- **Finish:** self-coloured
- **Temperature range:** -40 °C up to +200 °C
- **Certification:** 2.1 3.1 CE IIB

UAC

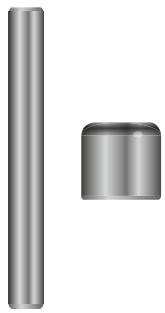


partnumber	diameter pin	length pin	diameter pin	length pin	weight each
	a mm	b mm	c mm	d mm	kg
GPUAC6	8	28	3	14	0.01
GPUAC7	10	32	3	22	0.02
GPUAC8	10	32	3	22	0.02
GPUAC10	13	41	4	24	0.04
GPUAC13	16	53	4	30	0.08
GPUAC16	20	66	5	35	0.16
GPUAC20	24	80	6	45	0.28

partnumber	for fitting						
	UMP	UCO	UCSC	UXLC	UGC	UGCV	UXLCRT
GPUAC6	GPUMP6	GPUCO6	GPUCSC6	GPUXLC0	GPUGC6	GPUGCV6	
GPUAC7	GPUMP7	GPUCO7	GPUCSC7	GPUXLC07	GPUGC7		GPUXLC07RT
GPUAC8	GPUMP8	GPUCO8	GPUCSC8	GPUXLC1	GPUGC8	GPUGCV8	GPUXLC1RT
GPUAC10	GPUMP10	GPUCO10	GPUCSC10	GPUXLC2	GPUGC10	GPUGCV10	GPUXLC2RT
GPUAC13	GPUMP13	GPUCO13	GPUCSC13	GPUXLC3	GPUGC13	GPUGCV13	GPUXLC3RT
GPUAC16	GPUMP16	GPUCO16	GPUCSC16	GPUXLC4	GPUGC16	GPUGCV16	GPUXLC4RT
GPUAC20			GPUCSC20	GPUXLC5	GPUGC20	GPUGCV20	GPUXLC5RT

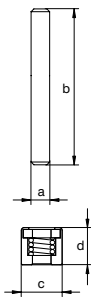
Green Pin® Connecting Link Spare Kit GR10

Grade 10 spare kit for connecting link



- **Material:** alloy steel, grade 10, quenched and tempered
- **Finish:** self-coloured
- **Temperature range:** -40 °C up to +200 °C
- **Certification:** 2.1 3.1 CE IIB

URMJ

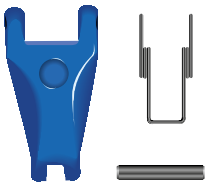


partnumber	diameter pin	length pin	diameter	width	weight each
	a mm	b mm	c mm	d mm	kg
GPURMJ6	5	41	12	10	0.01
GPURMJ8	6	54	13	14	0.02
GPURMJ10	8	66	16	18	0.02
GPURMJ13	10	84	22	22	0.05
GPURMJ16	12	105	25	25	0.10
GPURMJ20	15	122	28	32	0.15

partnumber	for fitting
	UMJ
GPURMJ6	GPUMJ6
GPURMJ8	GPUMJ7
	GPUMJ8
GPURMJ10	GPUMJ10
GPURMJ13	GPUMJ13
GPURMJ16	GPUMJ16
GPURMJ20	GPUMJ20

Green Pin® Latch GR10

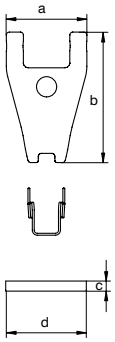
Forged latch for grade 10



- **Material:** steel
- **Finish:** painted blue
- **Temperature range:** -40 °C up to +200 °C
- **Certification:** 2.1 CE IIB

partnumber	width	length	diameter pin	length pin	weight each
	a mm	b mm	c mm	d mm	kg
GPULF0	24	44	4	24	0.03
GPULF1	31	59	5	30	0.07
GPULF2	41	65	5	40	0.11
GPULF3	41	79	6	40	0.18
GPULF4	46	81	6	45	0.20
GPULF5	50	100	8	50	0.40

ULF



partnumber	for fitting	
	UCSO	UCSC
GPULF0	GPUCSO6	GPUCSC6
GPULF1	GPUCSO8	GPUCSC7
		GPUCSC8
GPULF2	GPUCSO10	GPUCSC10
GPULF3	GPUCSO13	GPUCSC13
GPULF4	GPUCSO16	GPUCSC16
GPULF5	GPUCSO20	GPUCSC20