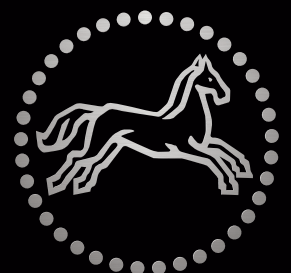




The All-Inclusive Chain Sling System for Coupling and Shortening

GrabiQ™
by Gunnebo Lifting



GrabiQTM

The Flexible and Cost Efficient Chain Sling System.

GrabiQ stands for:

- » "Grab" - Built in shortening function allows the user to instantly adjust the chain sling.
- » IQ - Intelligent design gives more efficient lifts which making the user more successful.
- » IO - Grade 10 material gives 25% added strength as well as lighter slings.
- » i - Innovation has been and still is one of our driving forces. Many of our products are unique on the market and are protected by patents.
- » Q - Quality. No product leaves our factories without being proof loaded and visually inspected, so that we can guarantee top quality to all customers



GrabiQ offers:

Cost Efficiency


GrabiQ has been designed to integrate multiple functions in each component. This means fewer components in each sling, but with the same, and better, function than with the old system. A good example of this is our FlexiLeg system, where one master link combined with one 1-leg sling and two 2-leg sling units, completely replaces four master links and ten legs of chain sling. Read more about FlexiLeg on page 6.

Flexibility in Field

We understand how fast the conditions for a lift can change and we also recognize that time is money in lifting operations - big and small. With the GrabiQ system we have tried to include functions that would otherwise demand additional products or a complete change of chain sling. The user gets a quicker and more ergonomic lifting operation each time when using the GrabiQ system.

Reduce the Cost - Increase the Efficiency



The GrabIQ system makes your lift quicker, safer and easier.



4-leg sling with shortening function

Only **3** GrabIQ components


Used to be **15** components



2-leg sling with shortening function

Only **1** GrabIQ component

Used to be **7** components

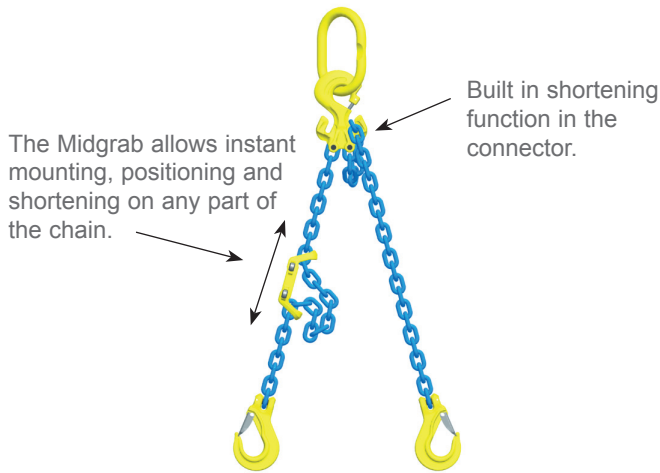


The all-inclusive chain sling system for coupling, shortening and lifting in grade 10 is designed to improve your lifting actions and make it as quick and easy as possible. Some of the top features are:

- » Less components - cost efficient
- » Built in shortening function
- » Light weight for better ergonomics

Flexibility in Field

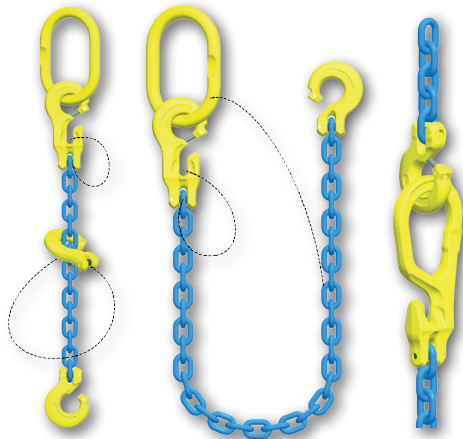
A system designed for high usability and safety



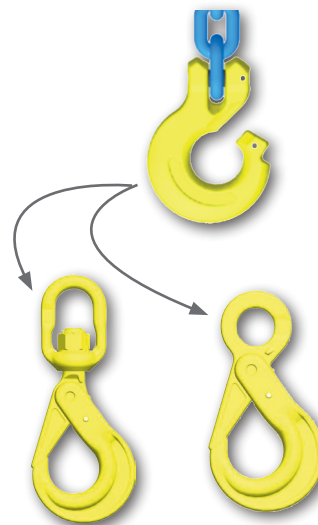
The option of shortening is always there.



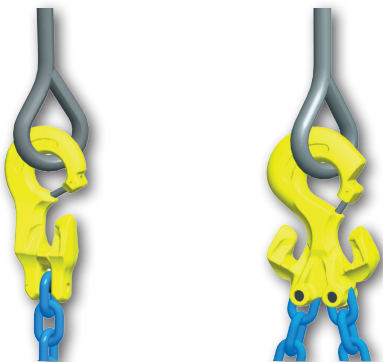
Every chain leg can instantly be altered, from straight lift to a loop sling, by using the shortening pocket.



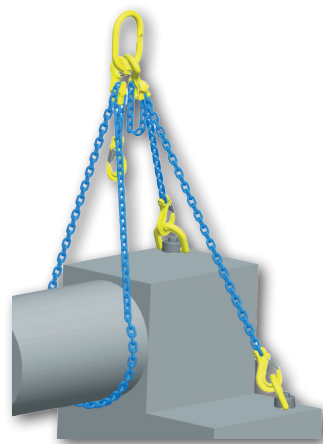
With CL as terminal fitting, the sling can be altered between choke hitch, basket hitch and leg extension with flattened links.



The CL connection fits all our hooks with eye or swivel, providing the user with very high flexibility in altering the terminal fittings to each unique situation. We recommend that the CL is used together with the QuickPin (see p. 6)



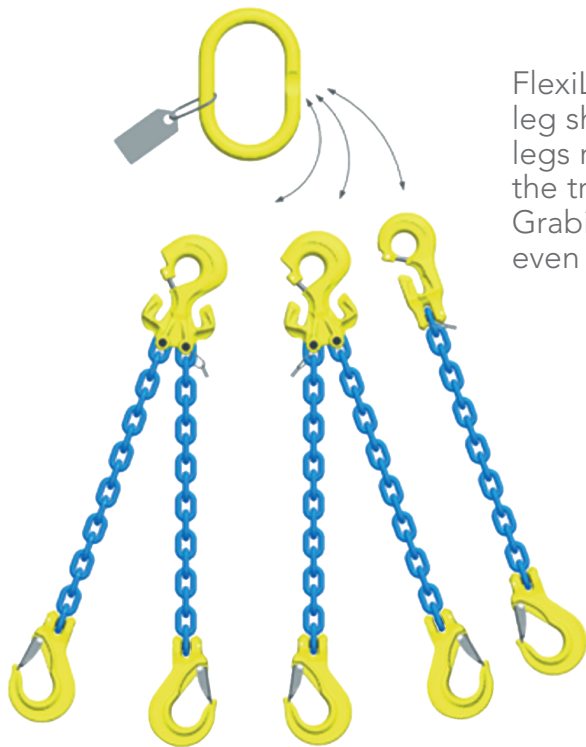
The C-parts are designed to allow for correct size of wire rope thimble to be fitted into the eye. This opens the way for new ideal combinations of chain and wire rope slings.



With the flexibility of the GrabiQ system a number of different lifting situations can be solved using the same GrabiQ sling.

Less is More with *FlexiLeg™*

1 - 2 - 3 - 4



FlexiLeg is a solution that allows you to have an instant leg shift. One single master link and a combination of five legs replace four complete slings, a total of ten legs, with the traditional system. By using the unique features of the GrabiQ range, Gunnebo Lifting has increased the flexibility even further.



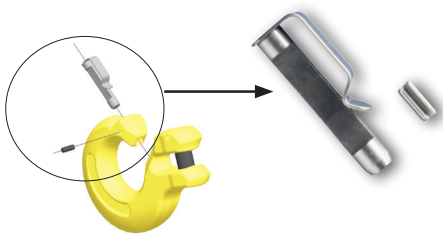
Old system - 10 legs in 4 separate chain slings.

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

Why do you want instant leg-shift?

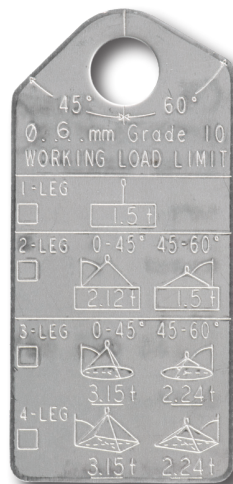
- » It will enable the user to change slings, leg by leg, which will make it lighter and easier to work with.
- » Sling legs that are not being used, can easily be removed and thereby increasing safety at the work site.
- » The quantity of sling material is greatly reduced, which is cost saving.
- » The chain sling can be rebuilt on site, increasing the efficiency.

Related products



QuickPin - For safe exchange of sling legs

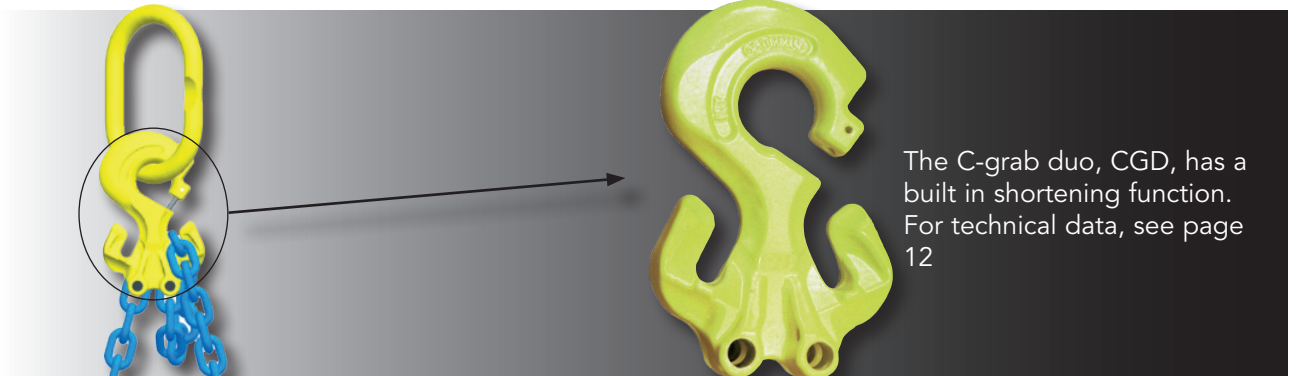
- » Fits all C-components! (CL, CLD, CG, CGD)
- » Has instant close/open function, no tools needed!
- » Easy to retro-fit!
- » Made of stainless steel for long product life span.



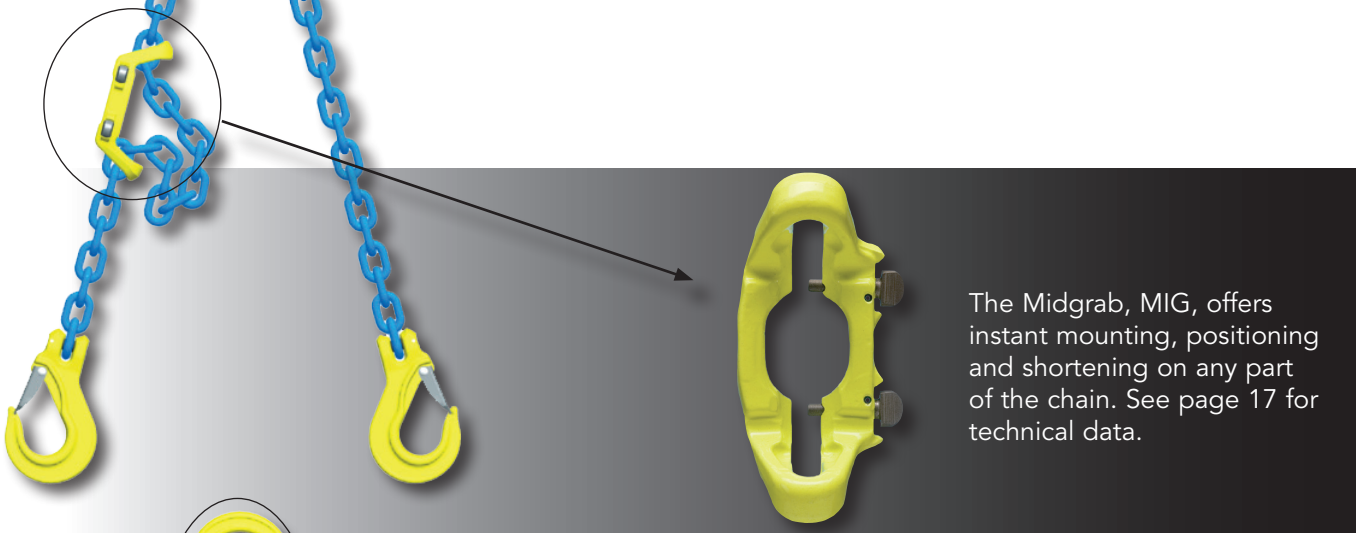
FlexiTag - For every GrabiQ sling

- » Specially designed for FlexiLeg
- » Fits all other GrabiQ slings
- » WLL and chain size pre-stamped for 1 - 4 legs
- » Leg angle 45/60 degree given in contour
- » Made of stainless steel for use in all types of weather

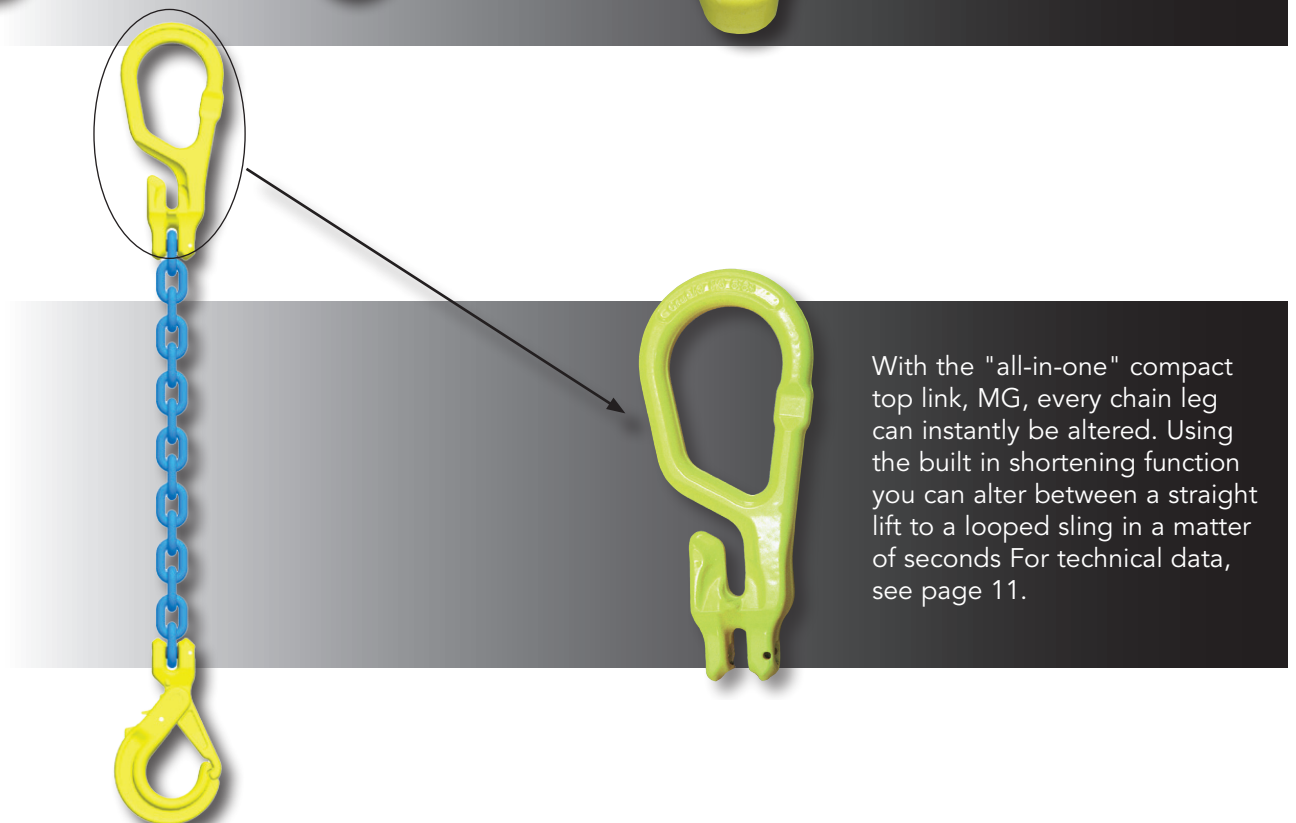
Designed for Flexibility and Efficiency



The C-grab duo, CGD, has a built in shortening function. For technical data, see page 12



The Midgrab, MIG, offers instant mounting, positioning and shortening on any part of the chain. See page 17 for technical data.



With the "all-in-one" compact top link, MG, every chain leg can instantly be altered. Using the built in shortening function you can alter between a straight lift to a looped sling in a matter of seconds. For technical data, see page 11.

Popular Chain Slings

1 leg



MG1-GBK



MG1-EGKN

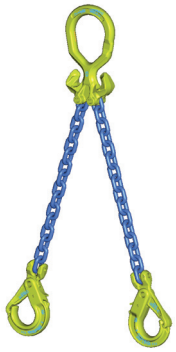


TG1-GBK



TG1-EGKN

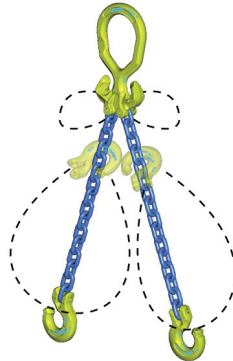
2 leg



MG2-GBK



MG2-EGKN



MG2-CL



TG2-GBK



TG2-EGKN

3 leg

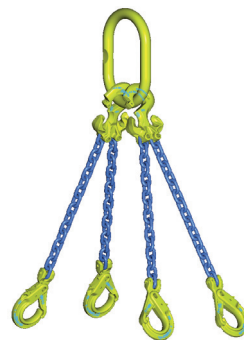


TG3-GBK



TG3-EGKN

4 leg



TG4-GBK



TG4-EGKN

Pre-Assembled Chain Sling

"GrabiQ-in-a-box" - ready to use at arrival

Gunnebo Lifting offers the perfect retail solution - pre-assembled chain slings, supplied with certificate, packed in boxes. Ready to be used the instant they arrive.

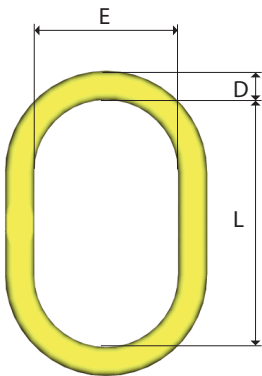


Art. no.	Type	Weight	
B790 110	MG1-BKG-6 L= 2 m, WLL 1.5 tonnes	4.1	
B790 111	MG1-GBK-8 L= 3 m, WLL 2.5 tonnes	6.4	
B790 112	MG1-GBK-10 L= 3 m, WLL 4.0 tonnes	10.4	
B790 120	MG1-EGKN-6 L= 2 m, WLL 1.5 tonnes	4.0	
B790 121	MG1-EGKN-8 L= 3 m, WLL 2.5 tonnes	6.0	
B790 122	MG1-EGKN-10 L= 3 m, WLL 4.0 tonnes	9.7	
B790 210	MG2-BKG-6 L= 2 m, WLL 2.1 tonnes	7.3	
B790 211	MG2-GBK-8 L= 3 m, WLL 3.5 tonnes	12.6	
B790 212	MG2-GBK-10 L= 3 m, WLL 5.6 tonnes	20.3	
B790 220	MG2-EGKN-6 L= 2 m, WLL 2.1 tonnes	7.1	
B790 221	MG2-EGKN-8 L= 3 m, WLL 3.5 tonnes	11.7	
B790 222	MG2-EGKN-10 L= 3 m, WLL 5.6 tonnes	18.9	
B790 130	MG2-CL-6 L= 6 m, WLL 2.1 tonnes choked 1.6 ton	12.4	
B790 131	MG2-CL-8 L= 6 m, WLL 3.5 tonnes choked 2.7 ton	21.8	
B790 132	MG2-CL-10 L= 6 m, WLL 5.6 tonnes choked 4.4 ton	34.9	



Master Link, MF

For 1-, 2-, 3- and 4 leg slings.

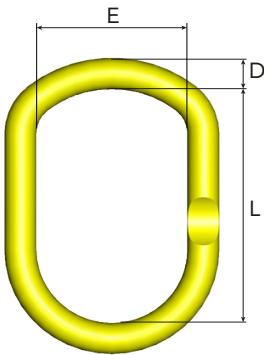


Art. No.	Code	WLL tonnes*	For chain size, mm			L	E	D	Weight kgs
			1-leg	2-leg	3-4-leg				
B14481	MF-86-10	2.5	6, 8	6	-	125	70	14	0.4
B14482	MF-108-10	4	10	8	6	140	80	17	0.8
B14483	MF-1310-10	7.5	13	10	8	160	95	22	1.5
B14484	MF-1613-10	10	16	13	10	190	110	28	2.5
B14485	MF-2016-10	17	20	16	13	240	140	34	5.2
B14486	MF-2220-10	25	22, 26	20, 22	16, 20	250	150	40	7.3

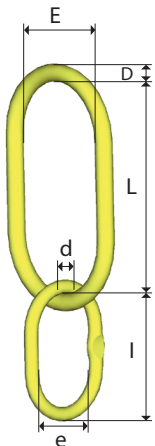
NEW

Master Link MFH

Designed for crane hooks, DIN 15401 and DIN 15402



Art. no.	Code	WLL tonnes	For chain size, mm			L	E	D	DIN 15401	DIN 15402	Weight kgs
			1-leg	2-leg	3-4 leg						
Z101262	MFH-1310-10	7.5	13	10	8	230	125	22	≤ 12 ≤ 16	1.9	
Z101263	MFH-1613-10	10	16	13	10	250	135	28	≤ 12 ≤ 16	3.2	
Z101264	MFH-2016-10	17	20	16	13	280	135	32	≤ 16 ≤ 20	4.6	
Z101265	MFH-2220-10	28	-	20	16	320	175	40	≤ 25 ≤ 32	8.6	
Z101266	MFHW-2220-10	25	-	20	16	355	225	40	≤ 50 ≤ 63	9.9	



Master Link, MTX

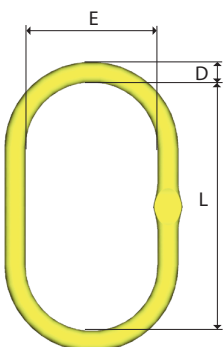
Oversized, for 3- and 4-leg sling.

Art. no.	Code	WLL tonnes*	For chain mm, 3-4-leg	L	E	D	l	e	d	Weight kgs
Z100555	MTX-10-10	8.4	10	340	180	34	200	120	30	10.6
Z100556	MTX-13-10	14	13	340	180	40	200	120	32	12.3
Z100629	MTX-16-10**	21	16	340	180	45	-	-	-	13.7

***) Note! Without sublink

Master Link, MFX

Oversized, for 1- and 2-leg sling.

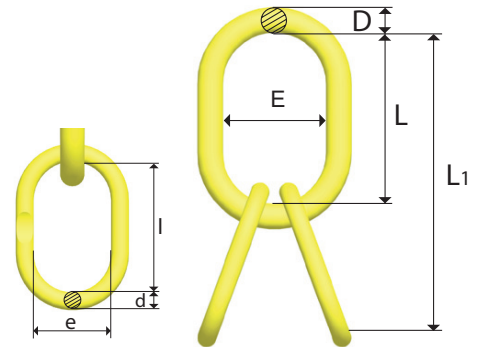


Art. no.	Code	WLL tonnes*	For chain mm	For chain mm	L	E	D	Weight kgs
			1-leg	2-leg				
Z100550	MFX-108-10	4	8, 10	8	340	180	25	3.7
Z100551	MFX-1310-10	6.7	13	10	340	180	28	4.7
Z100552	MFX-1613-10	10	16	13	340	180	34	7.1
Z101125	MFX-2016-10	16	20	16	340	180	40	8.5

Master Link, MT

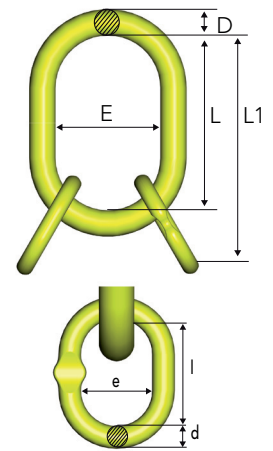
Designed for use with chain or wire rope. For 3- and 4-leg slings.

Code	WLL tonnes*	L1	L	E	D	l	e	d	Weight kgs
MT-6-10	3.5	270	150	90	19	120	70	14	1.8
MT-8-10	5.2	300	160	95	22	140	80	17	3
MT-10-10	11.5	360	200	120	30	160	95	22	6.4
MT-13-10	17	450	250	150	40	200	120	30	14.2
MT-16-10	28	500	300	200	50	200	120	32	23
MT-20-10	35	550	300	200	55	250	150	40	31.5



Master Link with Sublinks MTC

Code	WLL tonnes*	For Chain dim.mm 3-4-legs	L1	L	E	D	l	e	d	Weight appr. kgs
MTC-6-10	3.15	6	210	150	90	19	60	38	13	1.4
MTC-8-10	5.2	7, 8	230	160	95	22	70	46	16	2.3
MTC-10-10	8.4	10	290	200	120	30	90	60	19	5
MTC-13-10	14.1	13	380	240	140	34	140	65	28	8.3

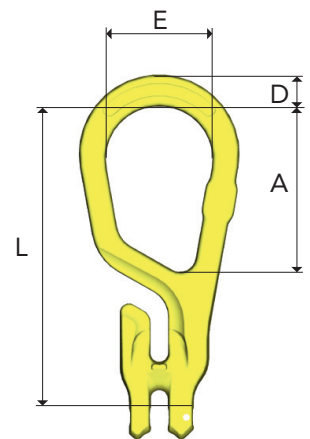


If used for chain, check for corresponding WLL values in the WLL table acc EN818-4.

Master Grab, MG

All-in-one compact top link.

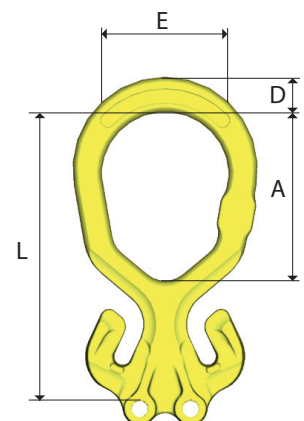
Art. no.	Code	WLL tonnes*	L	E	D	A	Weight kgs
B14710	MG-6-10	1.5	145	60	15	88	0.5
B14711	MG-8-10	2.5	171	60	18	92	0.9
B14712	MG-10-10	4	211	75	22	113	1.8
B14713	MG-13-10	6.7	261	90	26	138	3.5
B14714	MG-16-10	10	311	105	31	157	6.1

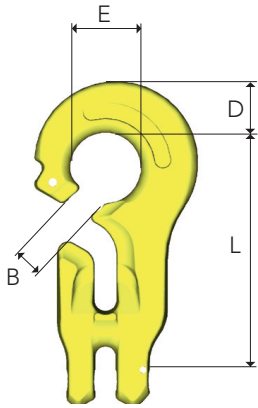


Master Grab Duo, MGD

All-in-one compact top link for 2-leg slings.

Art. no.	Code	WLL tonnes*	L	E	D	A	Weight kgs
B14700	MGD-6-10	2.1	144	60	17	90	0.7
B14701	MGD-8-10	3.5	171	75	21	100	1.3
B14702	MGD-10-10	5.6	211	90	24	124	2.3
B14703	MGD-13-10	9.5	262	105	31	149	5.2
B14704	MGD-16-10	14	310	120	35	175	7.9

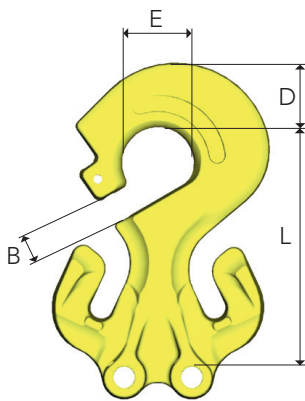




C-Grab, CG

For use with master links, eye hooks and choke.

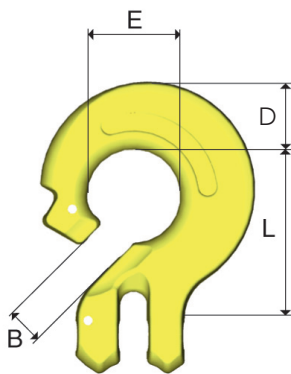
Art. no.	Code	WLL tonnes*	L	E	D	B	Weight kgs
B14730	CG-6-10	1.5	80	24	19	11	0.3
B14731	CG-8-10	2.5	107	32	24	12	0.7
B14732	CG-10-10	4	134	40	29	15	1.5
B14733	CG-13-10	6.7	172	52	38	18	3.2
B14734	CG-16-10	10	215	64	47	22	6.1



C-Grab Duo, CGD

For use with master links.

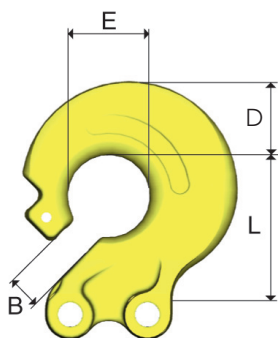
Art. no.	Code	WLL tonnes*	L	E	D	B	Weight kgs
B14720	CGD-6-10	2.1	79	24	20	11	0.6
B14721	CGD-8-10	3.5	107	32	29	12	1.1
B14722	CGD-10-10	5.6	134	40	37	15	2.2
B14723	CGD-13-10	9.5	173	48	48	19	5.4
B14724	CGD-16-10	14	215	64	57	22	9.1



C-Lok, CL

For use with master links, eye hooks and choke.

Art. no.	Code	WLL tonnes*	L	E	D	B	Weight kgs
B14750	CL-6-10	1.5	43	24	18	11	0.2
B14751	CL-8-10	2.5	58	32	24	12	0.5
B14752	CL-10-10	4	74	40	29	15	1.0
B14753	CL-13-10	6.7	94	52	38	18	2.0
B14754	CL-16-10	10	119	64	48	22	3.8



C-Lok Duo, CLD

For use with master links.

Art. no.	Code	WLL tonnes*	L	E	D	B	Weight kgs
B14740	CLD-6-10	2.1	43	24	22	11	0.4
B14741	CLD-8-10	3.5	58	32	29	12	0.6
B14742	CLD-10-10	5.6	74	40	37	15	1.2
B14743	CLD-13-10	9.5	94	52	46	18	3.1
B14744	CLD-16-10	14	119	64	57	25	5.5

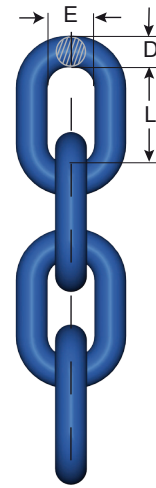
All GrabiQ C-connectors can be equipped with QuickPin.

Chain KLA

Grade 8+ or Grade 10

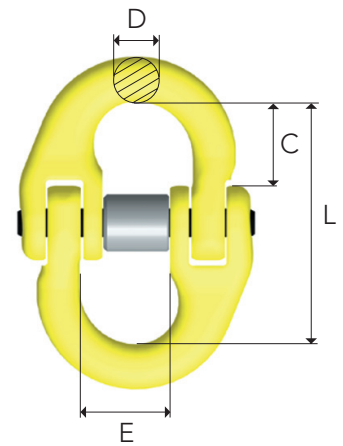
Art. no. Box	Code	WLL tonnes*	L mm	E mm	D nom. mm	Weight kgs/m
Z801909 - 2x200 m	KLA 6-10	1.5	18	8	6	0.8
Z801915 - 3x100 m	KLA 8-10	2.5	24	11	8	1.4
Z801921 - 2x100 m	KLA 10-10	4	30	14	10	2.3
Z801927 - 1x125 m	KLA 13-10	6.7	39	18	13	3.8
Z801930 - 1x 92 m	KLA 16-10	10	48	22	16	5.6
Z802071 - 1 x 30.5 m	KLA 20-10	16	60	29	20	9.4

Note! For chain grade 10 the maximum in service temperature is 200°C.



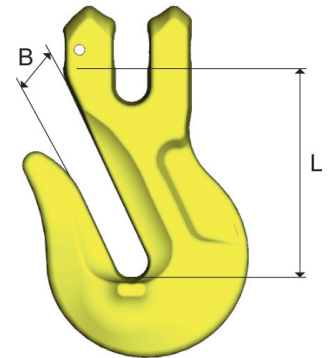
Coupling Link G

Art. no.	Code	WLL tonnes*	L	E	D	C	Weight kgs
Z100821	G-6-10	1.5	45	15	8	16	0.1
Z100822	G-8-10	2.5	56	18	9	22	0.2
Z100823	G-10-10	4	68	25	12	26	0.3
Z100824	G-13-10	6.7	89	29	15	33	0.7
Z100825	G-16-10	10	106	36	19	40	1.4
Z101119	G-20-10	16	125	43	26	44	2.2



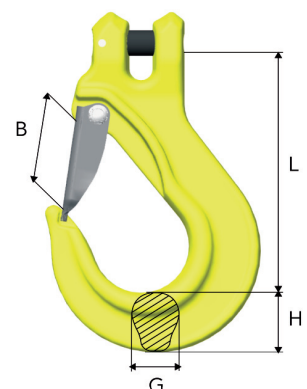
Grab Hook GG

Art. no.	Code	WLL tonnes*	L	B	Weight kgs
B14771	GG-8-10	2.5	57	10.5	0.4
B14772	GG-10-10	4	83	12	0.9
B14773	GG-13-10	6.7	97	16	1.8
B14774	GG-16-10	10	124	20	3.1
Z101152	GG-20-10	16	147	26	7.0

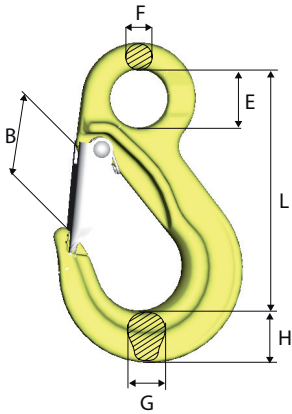


Sling Hook with Latch EGKN, without Latch EGK

Art. no. EGKN	Art. no. EGK	Code	WLL tonnes*	L	B	G	H	Weight kgs
B14460	Z100915	EGK/N-6-10	1.5	86	24,5	17	20	0.3
B14461	Z100938	EGK/N-8-10	2.5	95	28	17	23	0.5
B14462	Z100942	EGK/N-10-10	4	121	35	23	31	1
B14463	Z100946	EGK/N-13-10	6.7	145	42	28	38	2.1
B14464	Z100950	EGK/N-16-10	10	170	52	36	46	3.9
Z101127	Z101138	EGK/N-20-10	16	209	61	42	60	7.6

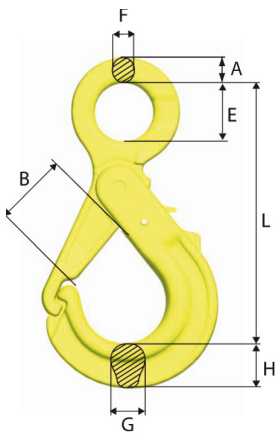


Sling Hook with Latch EKN, without Latch EK



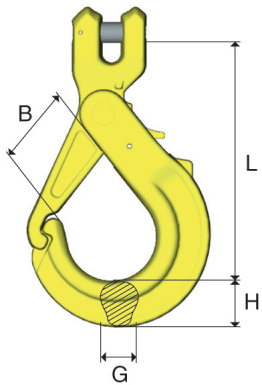
Art. no. EKN	Art. no. EK	Code	WLL tonnes*	L	B	E	F	G	H	Weight kgs
Z101128	Z101162	EKN- 6-10	1.5	94	24	22	10	17	20	0.4
Z101130	Z101164	EKN- 8-10	2.5	108	28	28	13	17	23	0.5
Z101132	Z101166	EKN-10-10	4	134	37	34	14	23	30	1
Z101134	Z101168	EKN-13-10	6.7	166	42	44	18	28	38	2.1
Z101136	Z101170	EKN-16-10	10	203	50	56	22	36	47	3.9

Safety Hook OBK



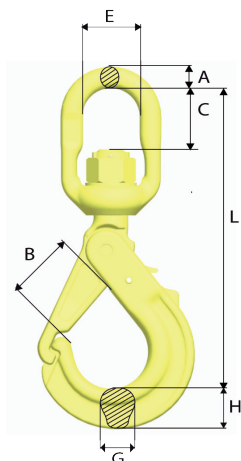
Art. no.	Code	WLL tonnes*	A	L	B	E	F	G	H	Weight kgs
Z101048	OBK-6-10	1.5	12	103	26	22	9	15	17	0.4
Z101143	OBK-7/8-10	2.5	14	139	37	28	10	20	22	0.8
Z101145	OBK-10-10	4	16	170	47	34	13	22	29	1.3
Z101147	OBK-13-10	6.7	21	206	53	44	15	29	38	2.6
Z101141	OBK-16-10	10	26	251	68	56	19	29	45	4.4
Z101240	OBK-18/20-10	16	28	293	74	60	22	44	56	7.3

Safety Hook GBK



Art. no.	Code	WLL tonnes*	L	B	G	H	Weight kgs
Z100758	GBK-6-10	1.5	87	26	15	17	0.4
Z100759	GBK-8-10	2.5	119	36	20	22	0.8
Z100760	GBK-10-10	4	150	47	22	29	1.4
Z100761	GBK-13-10	6.7	172	53	29	38	2.7
Z100762	GBK-16-10	10	208	68	30	45	4.4

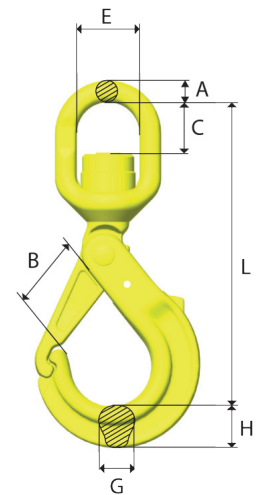
Swivel Safety Hook with Griplatch LBK



Art. no.	Code	WLL tonnes*	L	B	C	E	A	G	H	Weight kgs
Z100978	LBK-7/8-10	2.5	177	37	27	38	12	20	22	1.1
Z100960	LBK-10-10	4	214	47	37	44	15	22	29	2.0
Z100993	LBK-13-10	6.7	262	53	45	48	19	29	38	3.8
Z100995	LBK-16-10	10	324	68	66	61	25	30	45	7.1

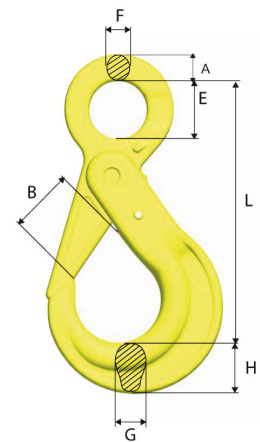
Swivel Safety Hook with Griplatch LKBK with ball-bearing

Art. no.	Code	WLL tonnes*	L	B	C	E	A	G	H	Weight kgs
Z100980	LKBK-7/8-10	2.5	176	37	27	38	12	20	22	1.2
Z100962	LKBK-10-10	4	213	47	35	44	15	22	29	2.1
Z100997	LKBK-13-10	6.7	261	53	43	48	19	29	38	4.0
Z100999	LKBK-16-10	10	323	68	61	61	25	30	45	6.8



Safety Hook BK

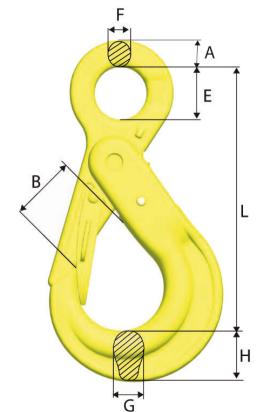
Art. no.	Code	WLL tonnes*	A	L	B	E	F	G	H	Weight kgs
Z101108	BK-6-10	1.5	12	109	29	22	10	15	21	0.5
Z101097	BK-7/8-10	2.5	14	138	37	28	11	17	26	0.9
Z101024	BK-10-10	4.0	16	168	45	34	13	21	31	1.5
Z101032	BK-13-10	6.7	20	207	55	44	16	30	40	3.0
Z101040	BK-16-10	10	26	254	62	56	20	37	50	5.5
Z101089	BK-18/20-10	16	30	289	68	60	22	44	65	8.7



Safety Hook BKD

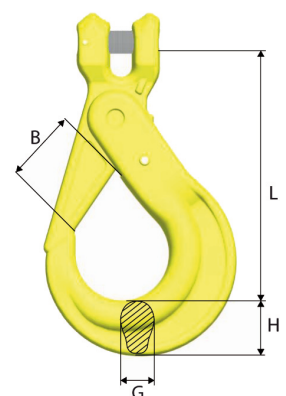
The double latch BK-hook with recessed trigger

Art. no.	Code	WLL tonnes*	A	L	B	E	F	G	H	Weight kgs
Z101154	BKD-13-10	6.7	20	207	44	45	16	30	40	3.2
Z101155	BKD-16-10	10	26	254	48	56	20	37	50	5.8
Z101156	BKD-18/20-10	16	30	290	57	60	22	44	65	9.1
Z101215	BKD-26-8 OFFS	21.6	35	345	72	80	25	50	69	14.5

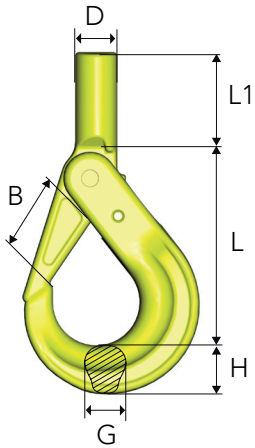


Safety Hook BKG

Art. no.	Code	WLL tonnes*	L	B	G	H	Weight kgs
Z101110	BKG-6-10	1.5	91	29	15	21	0.5
Z101100	BKG-8-10	2.5	121	37	17	26	0.9
Z101026	BKG-10-10	4	144	45	21	31	1.5
Z101034	BKG-13-10	6.7	180	55	30	40	3.0
Z101042	BKG-16-10	10	219	62	37	50	5.5
Z101091	BKG-20-10	16	240	68	44	65	9.6

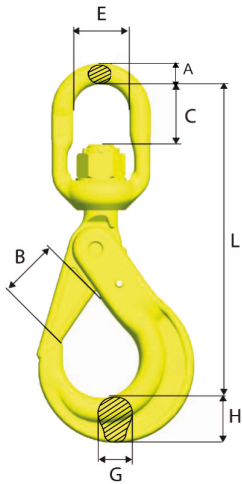


Shank Safety Hook BKT



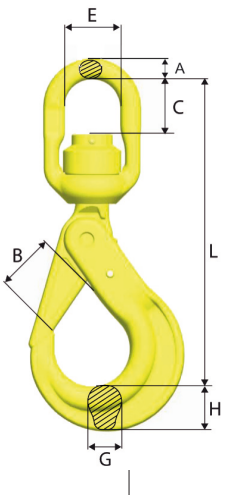
Art. no.	Code	WLL tonnes*	L	B	L1	D	dmin	G	H	Weight appr. kgs
Z101112	BKT-6-10	1.5	90	29	36	20	11	15	21	0.5
Z101102	BKT-7/8-10	2.5	111	37	47	24	13	17	26	0.9
Z101069	BKT-10-10	4	133	45	51	29	16	21	31	1.6

d min = the smallest permitted shank dimension after machining.
Note! After machining of the shank, we recommend proof loading to be carried out.



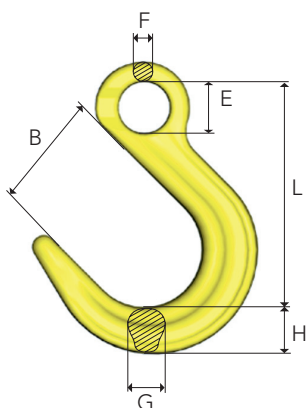
Swivel Safety Hook BKL

Art. no.	Code	WLL tonnes*	L	B	C	E	A	G	H	Weight kgs
Z101114	BKL-6-10	1.5	149	29	23	33	11	15	21	0.7
Z101104	BKL-7/8-10	2.5	183	37	27	38	12	17	26	1.2
Z101028	BKL-10-10	4	218	45	37	44	15	21	31	2.0
Z101036	BKL-13-10	6.7	282	55	49	48	19	30	40	4.0
Z101044	BKL-16-10	10	341	62	65	61	25	37	50	7.2
Z101093	BKL-18/20-10	16	368	68	70	72	31	44	65	11.4



Swivel Safety Hook BKLK with ball-bearing

Art. no.	Code	WLL tonnes*	L	B	C	E	A	G	H	Weight kgs
Z101116	BKLK-6-10	1.5	149	29	24	33	11	15	21	0.7
Z101106	BKLK-7/8-10	2.5	183	37	27	38	12	17	26	1.2
Z101030	BKLK-10-10	4	218	45	35	44	15	21	31	2.0
Z101038	BKLK-13-10	6.7	280	55	45	48	19	30	40	4.0
Z101046	BKLK-16-10	10	339	62	63	61	25	37	50	7.4
Z101095	BKLK-18/20-10	16	368	68	59	72	31	44	65	11.5

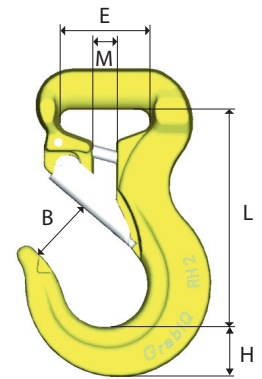


Foundry Hook OKE

Art. no.	Code	WLL tonnes*	L	B	E	F	G	H	Weight kgs
Z100853	OKE-7/8-10	2.5	124	63	28	12	21	26	0.8
Z100854	OKE-10-10	4	151	76	34	15	26	30	1.4
Z100855	OKE-13-10	6.7	184	90	44	19	33	39	2.8
Z100898	OKE-16-10	10	218	102	56	23	40	46	4.9

Roundsling Hook, RH

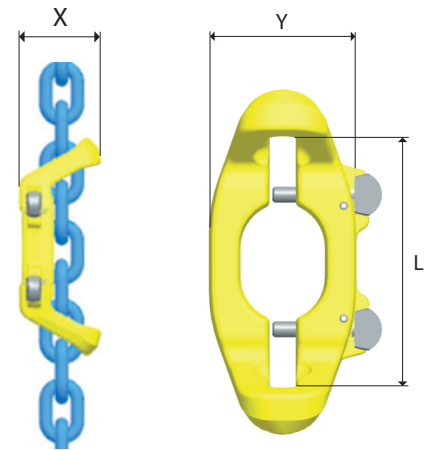
The RH-hook is the perfect load connection solution, combining the advantages of both soft lifting slings and grade 100 components, and will in many lifting applications replace the "time consuming" shackles. The top of the RH is colour coded to match the right polyester sling, for easy and safe use.



Art. no.	Code	WLL tonnes*	B	E	G	L	H	M	Weight kgs
B14490	RH-1-10	1	24	35	17	84	19	8	0.5
B14491	RH-2-10	2	28	40	17	96	22	10	0.7
B14492	RH-3-10	3	33	47	24	117	30	12	1.3
B14493	RH-5-10	5	43	73	27	155	36	16.5	3.2

Midgrab MIG

Art. no.	Code	WLL tonnes*	L	X	Y	Weight kgs
B14300	MIG- 8-10	2.5	95	50	60	0.7
B14310	MIG-10-10	4.0	125	70	77	1.1
B14320	MIG-13-10	6.7	150	90	80	2.6
B14303	MIG CC-8-10	2.5	95	50	60	0.7
B14304	MIG LC-8-10	2.5	95	50	60	0.7
B14313	MIG CC-10-10	4.0	125	70	77	1.1
B14314	MIG LC-10-10	4.0	125	70	77	1.1
B14323	MIG CC-13-10	6.7	150	90	80	2.6
B14324	MIG LC-13-10	6.7	150	90	80	2.6



Locking device, see page 20

Product features - Customer benefits

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

Note! The MIG must be used with at least one of the locking devices. See page 20 for locking devices.

Product Code Guide:

Locking options for the MIG



MIG C



MIG CC



MIG L

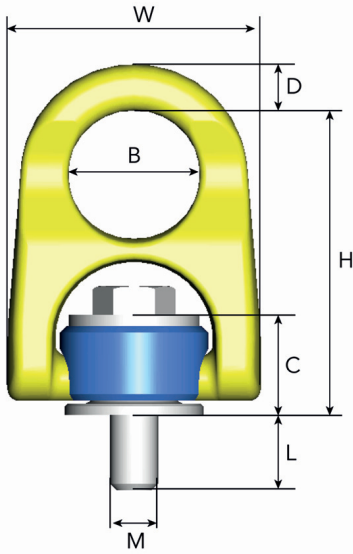


MIG LC

NEW

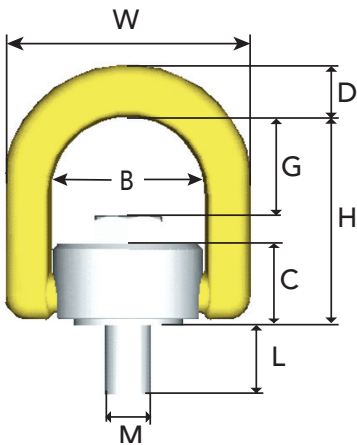
Rotating Lifting Point ERLP

The new lifting point from Gunnebo Lifting with slim design to fit in confined spaces.



Art. no.	Code	WLL (tonnes)	L	M	B	D	C	H	W	Weight (kgs)
Z101260	ERLP-M8-10	0.3	15	M8	Ø27	10	20	63	52	0.2
Z101261	ERLP-M10-10	0.5	20	M10	Ø27	10	20	63	52	0.2
Z101252	ERLP-M12-10	0.75	19	M12	Ø38	15	31	91.8	73	0.8
Z101253	ERLP-M16-10	1.5	24	M16	Ø38	15	31	91.8	73	0.8

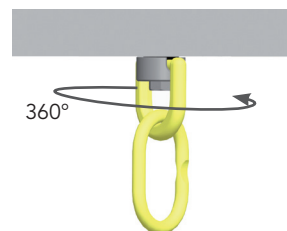
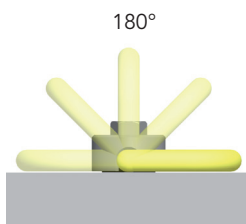
Rotating Lifting Point RLP



Art. no.	Code	L	M	B	D	G	C	H	W	Weight (kgs)
Z100095	RLP-M8-10**	15	M8	Ø42	12	35	17.5	60	64	0.3
Z100096	RLP-M10-10**	20	M10	Ø42	12	34	17.5	60	64	0.3
Z100097	RLP-M12-10**	19	M12	Ø57	19	46.5	28	85	91	1.0
Z100098	RLP-M16-10**	24	M16	Ø57	19	44	28	85	91	1.0
Z100092	RLP-M20-10**	32	M20	Ø83	28	56	39.3	111	133	2.8
Z100094	RLP-M24-10**	37	M24	Ø83	28	53	39.3	111	133	3.0
Z100714	RLP-M30-10**	49.5	M30	Ø114	34	69.5	56	144	182	7.0
Z100713	RLP-M36-10	61	M36	Ø114	34	65.5	56	144	182	7.3
Z100707	RLP-M42-10	65.5	M42	Ø149	40.4	90	70	185	229	14.0
Z100708	RLP-M48-10	75.5	M48	Ø149	40.4	86	70	185	229	14.5

Straight pull gives a higher WLL, see table on next page. Longer bolt can be supplied on request.

**Available in UNC thread; 5/16", 3/8", 7/16", 5/8", 3/4".



Working Load Limits (tonnes) for ERLP & RLP

No. of legs	1	1	2	2	2 symmetric		3 & 4 symmetric	
β	0°	90°	0°	90°	0-45°	45-60°	0-45°	45-60°
Load factor	*)	1	*)	2	1.4	1	2.1	1.5
RLP-M8-10	0.60	0.30	1.20	0.60	0.42	0.30	0.63	0.45
RLP-M10-10	1.00	0.50	2.00	1.00	0.70	0.50	1.05	0.75
RLP-M12-10	1.50	0.75	3.00	1.50	1.00	0.75	1.60	1.13
RLP-M16-10	3.00	1.50	6.00	3.00	2.10	1.50	3.15	2.25
RLP-M20-10	5.00	2.50	10.00	5.00	3.50	2.50	5.25	3.75
RLP-M24-10	7.00	3.50	14.00	7.00	4.90	3.50	7.35	5.25
RLP-M30-10	12.00	6.00	24.00	12.00	8.40	6.00	12.60	9.00
RLP-M36-10	14.00	8.00	28.00	16.00	11.20	8.00	16.80	12.00
RLP-M42-10	16.00	14.00	32.00	28.00	19.60	14.00	29.40	21.00
RLP-M48-10	20.00	16.00	40.00	32.00	22.40	16.00	33.60	24.00

In case of asymmetric loading we recommend following loading:

- 2-leg as corresponding 1-leg.
- 3- or 4-leg as corresponding 2-leg.

*) Provided only axial loading takes place, i.e. no bending force applied in the direction of the thread

CS

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

Code:

CS-6 CS-13
CS-8 CS-16
CS-10 CS-20



CLS

The clevis connections set consists of one load pin and one spring retaining pin.

Code:

CLS-6 CLS-13
CLS-8 CLS-16
CLS-10 CLS-20

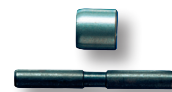


SKA

Locking set for coupling links G, consists of load pin and bush.

Code:

SKA-6 SKA-13
SKA-7/8 SKA-16
SKA-10 SKA-20



RDOBK

Spare part set for GBK, LBK, LKBK safety hook.

Code:

RDOBK-6 RDOBK-13
RDOBK-7/8 RDOBK-16
RDOBK-10



RDBK,

Spare part set for BK, BKG, BKL, BKLK safety hooks.

Code:

RDBK-6 RDBK-13
RDBK-7/8 RDBK-16
RDBK-10 RDBK-18/20



RDBKD

Spare part set for BKD safety hook, consists of double latch, retaining pin and spring.

RDEKN

Spare part set for EGKN sling hook and RH hook.

Code:

RDEKN-6 (RH-1)	RDEKN-13 (RH-5)
RDEKN-8 (RH-2)	RDEKN-16
RDEKN-10 (RH-3)	RDEKN-18/20



RDRLP

Set consists of bolt and metal clip.
Fits RLP M8-10 — RLP M48-10.

Locking Devices for Midgrab MIG

C, close/open locking set for MIG.



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

Code:

C-8
C-10
C-13

L, fixed locking set for MIG.

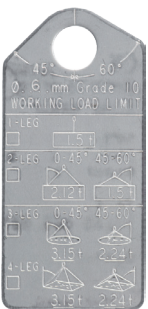


For fixed mounting of MIG shortener on a chain leg.

Code:

L-8
L-10
L-13

Sling Id Tag



Code:

FlexiTag 6 mm	FlexiTag 20 mm
FlexiTag 8 mm	FlexiTag Neutral
FlexiTag 10 mm	FlexiTag Sub-id tag
FlexiTag 13 mm	Lashing chain id tag
FlexiTag 16 mm	

QuickPin, QP

Fits all GrabiQ C-connectors. Instant close/open function.

Code:

QP-6 -- QP-16



Working Load Limits (tonnes)

Sling type	2-leg					4-leg			
	1-leg	β 0-45° max	β 45-60° max	Asymmetrical load	Single point lift	β 0-45° max	β 45-60° max	Asymmetrical load	Single point lift
Condition of use	Straight	β 0-45°	β 45-60°	Asymmetrical load	Single point lift	β 0-45°	β 45-60°	Asymmetrical load	Single point lift
Load factor	1	1.4	1	1	1	2.1	1.5	1	1
Chain size									
6	1.5	2.12	1.5	1.5	1.5	3.15	2.24	1.5	1.5
8	2.5	3.5	2.5	2.5	2.5	5.25	3.7	2.5	2.5
10	4.0	5.6	4.0	4.0	4.0	8.40	6.0	4.0	4.0
13	6.7	9.5	6.7	6.7	6.7	14.0	10.0	6.7	6.7
16	10.0	14.0	10.0	10.0	10.0	21.0	15.0	10.0	10.0
20	16.0	22.4	16.0	16.0	16.0	33.6	24.0	16.0	16.0

Sling type	Choke hitch 1-leg	2-leg Choke hitch				Home pocket loop			
		β 0-45° max	β 45-60° max	Asymmetrical load	Single point lift	α max 30°	β 0-45° α max 30°	β 0-45° α max 30°	β 0-45° α max 30°
Condition of use	Straight	β 0-45°	β 45-60°	Asymmetrical load	Single point lift	α max 30°	β 0-45° α max 30°	β 0-45° α max 30°	β 0-45° α max 30°
Load factor	0.8	1.1	0.8	0.8	0.8	1	1.4	2.1	2.1
Chain size									
6	1.2	1.6	1.2	1.2	1.2	1.5	2.12	3.15	3.15
8	2.0	2.7	2.0	2.0	2.0	2.5	3.5	5.2	5.2
10	3.2	4.4	3.2	3.2	3.2	4.0	5.6	8.4	8.4
13	5.2	7.4	5.3	5.3	5.3	6.7	9.5	14.0	14.0
16	8.0	11.0	8.0	8.0	8.0	10.0	14.0	21.0	21.0
20	12.8	17.6	12.8	12.8	12.8	-	-	-	-

Sling type	Basket slings				Endless choke
	Single basket 2-leg top assembly		Double basket 4-leg assembly		
Condition of use	β 0-45°	β 45-60°	β 0-45°	β 45-60°	
Load factor	1.4	1	2.1	1.5	1.6
Chain size					
6	2.12	1.5	3.15	2.24	2.5
8	3.5	2.5	5.2	3.7	4.0
10	5.6	4.0	8.4	6.0	6.4
13	9.5	6.7	14.0	10.0	10.7
16	14.0	10.0	21.0	15.0	16.0
20	22.4	16.0	33.6	24.0	25.6

Information for Safe Use and Maintenance

The following information aims to give advice and explain the most common questions in order to ensure safe and proper use of lifting equipment.

It is of utmost importance that this information is known to the user, and in accordance with the Machinery Directive 2006/42/EC this information must be delivered to the customer.

Extreme Temperature Conditions

The in-service temperature effects the WLL as follows:

Temp. of chain sling (°C)	Reduction of WLL	
	with Grade 8+ chain	with Grade 10 chain
-40 to +200 C°	0 %	0 %
+200 to +300 C°	10 %	Not allowed
+300 to +400 C°	25 %	Not allowed

Upon return to normal temperature, the sling reverts to its full capacity within the above temperature range. Chain slings must not be used above or below these temperatures.

Surface Treatment

Note! Hot-dip galvanizing or plating is not allowed outside the control of the manufacturer.

Asymmetric Loading Conditions

For unequally loaded chain legs we recommend that the WLL's are determined as follows:

- 2-leg slings calculated as the corresponding 1-leg sling
- 3 and 4-leg slings calculated as the corresponding 1-leg sling. (If it is certain that 2-legs are equally carrying the major part of the load, it can be calculated as the corresponding 2-leg sling)

Severe Environment

Chain and components must not be used in alkaline (>pH10) or acidic conditions (<pH6).

Comprehensive and regular examination must be carried out when used in severe or corrosive inducing environments. In uncertain situations consult your Gunnebo Lifting dealer.

General Advice

- Ensure that the received sling is precisely as ordered.
- Ensure that the manufacturer's certificate is in order.
- Ensure that the ID-tag corresponds to the information on the certificate (the following ID tag information is compulsory: WLL, Number of chain legs, nominal size (mm) individual ID-mark, manufacturer, CE-marking and year of manufacturing).

- Ensure that all details of the chain sling are documented.
- Ensure that the staff using the chain sling has received the appropriate information and training.

Protect Yourself and Others

- Before each use the chain sling should be checked for obvious damage or deterioration.
- Know the weight of the load and the centre of gravity and ensure it is ready to move and that no obstacles will obstruct the lift.
- Check the conformity of the load with the WLL of the ID tag for the specific working configuration. **Never use a sling without a legible valid ID tag!**
- Prepare the landing site.
- Never overload a sling and avoid shock loading
- Never use an improper sling configuration.
- Never use a worn out or damaged sling
- Never ride on the load.
- Never stand under a suspended load.
- Take into consideration that the load may swing or rotate.
- Watch your feet and fingers while loading / unloading.

Method of Connection

A chain sling is usually attached to the load and the crane by means of terminal fittings such as hooks, links etc.

Chain should be without twists or knots. The lifting point should be seated well down in the terminal fitting, never on the point or wedged in the opening. The terminal fitting should be free to incline in any direction.

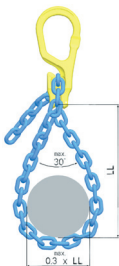
The chain may be passed under or through the load to form a choke hitch or basket hitch. The chain should be allowed to assume its natural angle and should not be hammered down.



Where choke hitch is employed the WLL of the chain sling should be no more than 80% of that marked.

Use edge protection to prevent sharp edges from damaging the lifting equipment. A rule of thumb is that the radius of the edge >2 x chain diameter. When lifting with chain directly on lugs we recommend that the lug diameter >9 x chain diameter. With a lug, diameter which is less than stipulated above, the WLL must be reduced by 50%.

Home pocket loop shall have an internal loop top angle of max. 30°. Rule of thumb: Cross dimension of the load shall be max. 0.3 times the loop length (LL)



Definition: The home pocket is the shortening pocket of the top component directly above the clevis to which the chain is connected.

Assembly

C-connector/clevis assembly

Note: Either dismantlable or permanent assembly is possible

1. Assemble the master link, C-parts and locking pin.
2. Fit the retaining pin.
3. Assemble the chain, clevis connection and load pin.
4. Fit the retaining pin / pins.
5. Make sure that the load pins and locking pins are properly secured by the retaining pins.



G-link assembly:

1. Join the link halves
2. Place the retaining bush between them.
3. Insert the load pin and ensure that the load pin snaps into place.

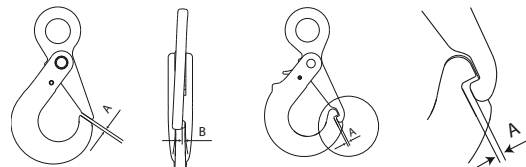


Maintenance

Periodic thorough examination must be carried out at least every 12 months or more frequently according to statutory regulations, type of use and past experience.

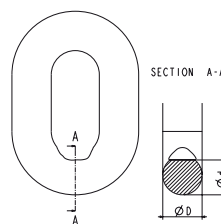
1. Overloaded chain slings must be taken out of service.
2. Chain and components incl. load pins which have been damaged, deformed, elongated, bent or showing signs of cracks or gauges shall be replaced. Carefully grind away small sharp cuts and burrs. Additional testing by magnetic particle inspection and/or proof loading at max. 2 x WLL may be carried out.
3. Check the function of latches, triggers and retaining pins / bushes, replace when necessary. Always use Gunnebo Lifting original spare parts.
4. Max. clearance between hook and latch.

Note: For a Griplatch hook measure the difference between dimension A with unloaded spring and dimension A when the latch is pressed against the hook. Clearance B not applicable.



Size	Max. A (mm).	Max. B (mm).
6	2,2	3,5
7/8	2,7	4,5
10	3	6
13	3,3	7
16	4	9
20	5,5	10

5. The wear of the chain and component shall in no place exceed 10% of the original dimensions. The chain link wear - max. 10% - is defined as the reduction of the mean diameter measured in two directions.



$$\frac{D+d}{2} > 0,9d_n$$