

GrabiQ

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Classic

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WARNING:

Failure to read, understand and comply with following instructions, working load limits and specifications in this publication could result in serious injury or damage to property.

GrabiQ Components



GUNNEBO
LIFTING



The All-Inclusive Chain Sling System for Coupling, Shortening and Lifting in Grade 10



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Our GrabiQ sling system is designed to improve and make your lifting as quick and easy as possible.

GrabiQ means for example;

- 25 % additional strength in the new grade 10 material.
- All top assemblies consist of no more than three components.
- Shortening function of chain legs is integral with no extra components.

One of the main merits of the GrabiQ system is that the work involved in connecting, adjusting and checking the lift takes less time and can be carried out more easily.

The built in shortening function, means that a four-part sling which previously required up to thirteen different top components now needs only three in the GrabiQ system.

Berufsgenossenschaft (BG) in Germany launched a new specification for Grade 10 components in the beginning of 2004, Gunnebo Lifting is one of the first companies in the world to meet the new specifications.

Type Testing

In order to prove the design, material, heat treatment and method of manufacture, each size of component and chain has been type tested in the finished condition in order to demonstrate that the component and chain possesses the required mechanical properties. The following testing procedures are particularly relevant:

Test for Deformation

The Manufacturing Proof Force (MPF) for the relevant size of the component is applied and removed. The dimensions after proof loading shall not alter from the original dimensions within the tolerances prescribed in our specifications and in the international standards.

Static Tensile Test

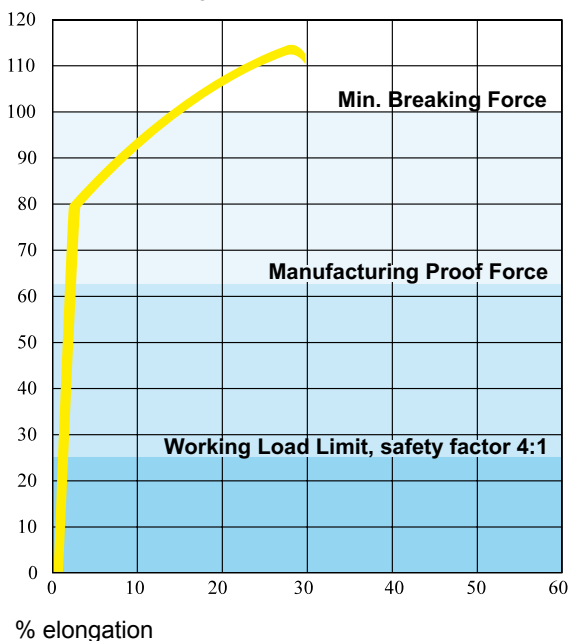
The Breaking Force (BF) for each component and size is verified. The verified value shall be at least equal to the Minimum Breaking Force (MBF) value. The MBF value is equal to the Working Load Limit (WLL) multiplied by the safety factor.

Fatigue Test

By fatigue testing in pulsator testing machines the toughest condition of service is simulated.

Stress / Elongation Diagram

Chain grade 10, type KL
% of min. Breaking Force



Manufacturing Testing

During manufacture continuous process tests are carried out according to the requirements in our specifications and in the latest international standards. The following testing procedures are particularly relevant:

Proof Force

Each individual component and chain link is tested to the Manufacturing Proof Force (MPF) level before delivery. The MPF level is 2.5 times the WLL, equal to 62,5% of the Minimum Breaking Force.

Non Destructive Test / Visual Inspection

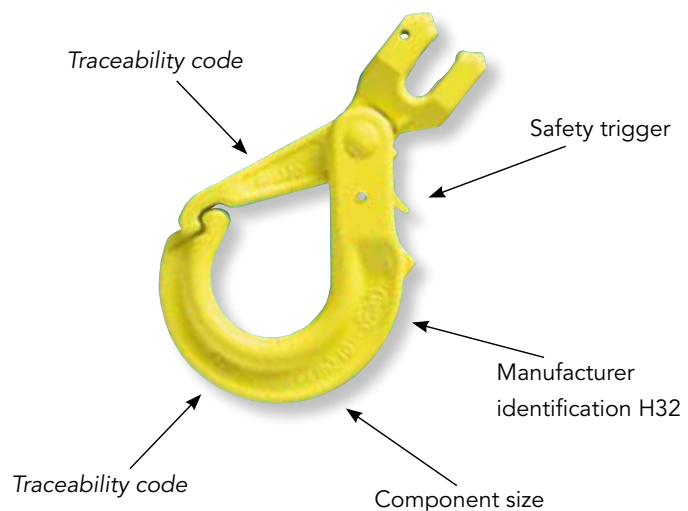
3% of every production batch of forged components are subject to magnetic particle or dye penetrating examination. Visual inspection is carried out on each chain link and each forged component to detect defects.

Static Tensile and Ultimate Elongation test

During manufacture, samples are tested and the Minimum Breaking Force (MBF) value and the total ultimate elongation are verified.

Bending Deflection

During manufacturing, of chain and master links, samples are taken and the minimum bend deflection is verified.



Information For Safe Use and Maintenance

(Also see information about our Classic products, p. 2:26)

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 the 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.

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Extreme Temperature Conditions

The in-service temperature of the G8+ chain and G10 components affects the WLL as following:

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 should 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.

Asymmetrical Loading Conditions

For unequally loaded chain legs we recommend that the WLL 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.

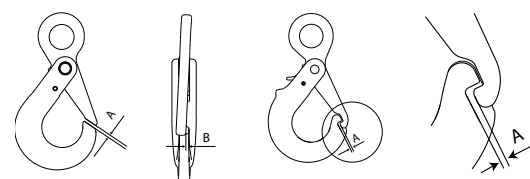
In uncertain situations consult your Gunnebo Lifting dealer.

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.

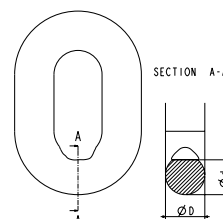
1. Overloaded chain slings must be taken out of service.
2. Chain and components incl. load pins which has been damaged, deformed, elongated, bent or showing signs of cracks or gauges all be replaced. Carefully grind away small sharp cuts and burrs. Additional testing by magnetic particle inspection 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.



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

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.

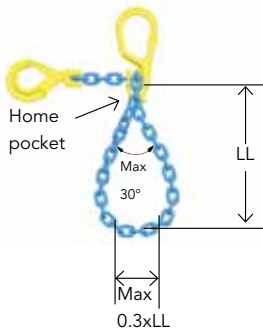
The chain may be passed under or through the load to form a choke hitch or basket hitch. The chain should be allowed to assume its natural angle and should not be hammered down.



Where choke hitch is employed the WLL of the chain sling should be reduced by 20% (unless the LK choker hook is used)

Use edge protection to prevent sharp edges from damaging the lifting equipment. A rule of thumb is that the radius of the edge $> 2 \times$ chain diameter. When lifting with chain directly on lugs we recommend that the lug diameter $> 3 \times$ the pitch of the chain. If a lug diameter 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.

WLL in Tonnes Grade 10 GrabiQ

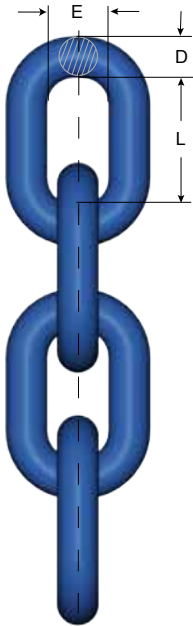
Chain dim.	1-leg	2-leg		3- & 4-leg		Choke hitch	
		β 0-45° α 0-90°	β 45-60° α 90-120°	β 0-45° α 0-90°	β 45-60° α 90-120°	β 0-45° α 0-90°	β 45-60° α 90-120°
6	1.5	2.12	1.5	3.15	2.24	1.6	1.2
8	2.5	3.5	2.5	5.2	3.7	2.7	2
10	4.0	5.6	4	8.4	6	4.4	3.2
13	6.7	9.5	6.7	14.0	10	7.4	5.3
16	10	14	10	21.0	15	11	8
20	16	22.4	16	33.6	24	17.6	12.8

Safety factor 4:1. Working load limits are based upon equally loaded and disposed sling legs.

Note! Different standards applies for Australia, see page 2:48 - 2:49 for further information.

Chain GrabiQ Grade 10

Short link, KL



Heat treatment

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

Surface treatment

Painted blue

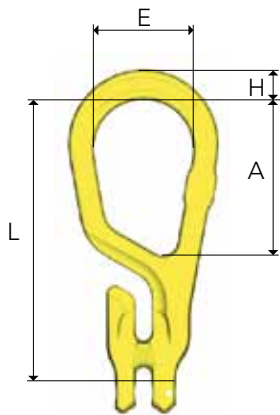
Marking

10G

Art. no. Box	Code	D nom. mm	L » mm	E » mm	Weight kgs/m	WLL tonnes	MPF kN	Breaking force kN
Z801909 - 2x200 m	KLA 6-10	6	18	8	0.8	1.5	37	60
Z801915 - 3x100 m	KLA 8-10	8	24	11	1.4	2.5	62.5	100
Z801921 - 2x100 m	KLA 10-10	10	30	14	2.3	4	100	160
Z801927 - 1x125 m	KLA 13-10	13	39	18	3.8	6.7	162	260
Z801930 - 1x 92 m	KLA 16-10	16	48	22	5.6	10	250	402
Z802071 - 1 x 30.5 m	KLA 20-10	20	60	29	9.4	16	393	630

Master Grab MG

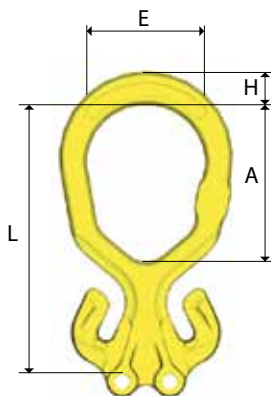
"All-in-one" compact top link.



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

Master Grab Duo MGD

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

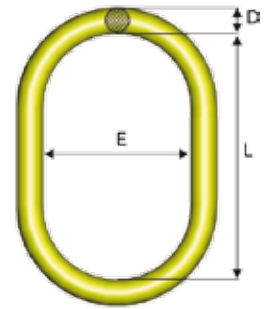


Art. no.	Code	WLL tonnes*	L	A	E	D	Weight kgs
B14700	MGD-6-10	2.1	144	90	60	17	0.7
B14701	MGD-8-10	3.5	171	100	75	21	1.3
B14702	MGD-10-10	5.6	211	124	90	24	2.3
B14703	MGD-13-10	9.5	262	149	105	31	5.2
B14704	MGD-16-10	14	310	175	120	35	7.9

Master Link M

Art. no.	Code	WLL tonnes*	L	E	D	Weight kgs
Z101271	M-6-10	1.25	100	60	11	0.2
Z101272	M-86-10	2.5	125	70	14	0.4
Z101273	M-108-10	4	140	80	17	0.8
Z101274	M-13-10	5.4	150	90	19	1
Z101267	M-1310-10	7.5	160	95	22	1.5
Z101268	M-1613-10	10	190	110	28	2.3
Z101247	M-19-10	12	200	120	30	3.5
Z101269	M-2016-10	17	240	140	34	5.2
Z101270	M-2220-10	25	250	150	40	7.3
Z101284	M-32-10	33	300	180	45	11.7
Z101270	M-2622-10	28	250	150	42	7.8
Z101276	M-3226-10	43	300	200	50	14.8
Z101277	M-3632-10	56	350	200	55	20.7
Z101278	M-4536-10	70	375	210	60	26.4
Z101279	M-90T-10	90	450	250	70	42.8
Z101280	M-125T-10**	125	450	260	80	57

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

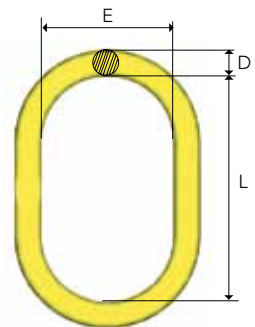


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Master Link MF

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

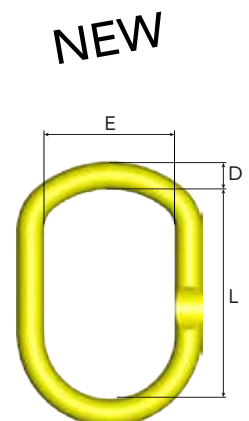
Art. no.	Code	WLL tonnes*	For chain size, mm			L	E	D	Weight kgs
			1-leg	2-leg	3-4-leg				
B14487	MF-6-10	1.25	6			100	60	11	0.2
B14481	MF-86-10	2.5	6, 8	6	-	125	70	14	0.4
B14482	MF-108-10	4	10	8	6	140	80	17	0.8
B14483	MF-1310-10	7.5	13	10	8	160	95	22	1.5
B14484	MF-1613-10	10	16	13	10	190	110	28	2.5
B14485	MF-2016-10	17	20	16	13	240	140	34	5.2
B14486	MF-2220-10	25	-	20	16	250	150	40	7.3



Master Link MFH

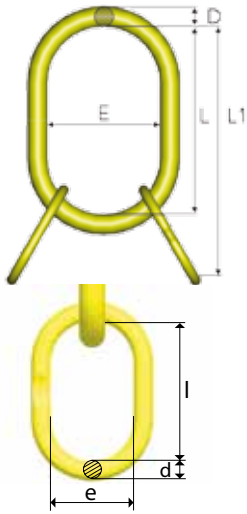
Designed for crane hooks, DIN 15401 MAX

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



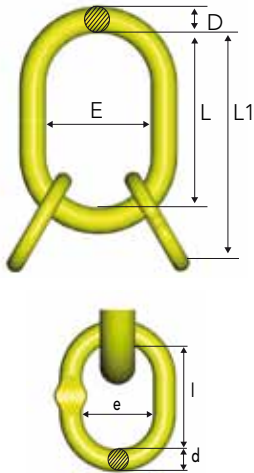
Master Link with Sublinks, MT

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



Art. no.	Code	WLL tonnes*	L1	L	E	D	I	e	d	Weight kgs
Z100902	MT-6-10	3.5	270	150	90	19	120	70	14	1.8
Z100903	MT-8-10	5.2	300	160	95	22	140	80	17	3
Z100904	MT-10-10	11.5	360	200	120	30	160	95	22	6.4
Z100905	MT-13-10	17	450	250	150	40	200	120	30	14.2
Z100906	MT-16-10	28	500	300	200	50	200	120	32	23
Z101074	MT-20-10	35	550	300	200	55	250	150	40	31.5
Z101281	MT-22-10	53	610	350	200	60	260	140	45	46
Z101282	MT-22-10	70	730	450	250	70	280	160	50	71
Z101283	MT-32-10	91	750	450	260	80	280	160	55	91

Master Link with Sublinks, MTC EN 1677 -4 Grade 10

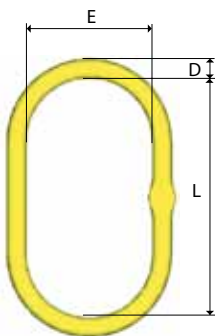


Art. no.	Code	WLL tonnes*	For Chain dim.mm 3-4-legs	L1	L	E	D	I	e	d	Weight appr. kgs
Z101248	MTC-6-10	3.15	6	210	150	90	19	60	38	13	1.4
Z101249	MTC-8-10	5.2	7, 8	230	160	95	22	70	46	16	2.3
Z101250	MTC-10-10	8.4	10	290	200	120	30	90	60	19	5
Z101251	MTC-13-10	14.1	13	380	240	140	34	140	65	28	8.3

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

Master Link, MFX

Oversized, for 1- and 2-leg sling.



Art. no.	Code	WLL tonnes*	For chain mm 1-leg	For chain mm 2-leg	L	E	D	Weight kgs
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

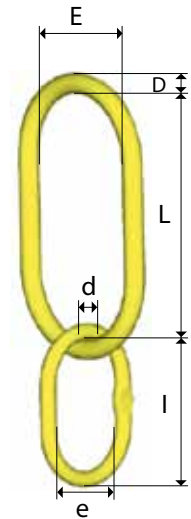
Designed for use with CL, CLD, CG and CGD.

Master Link, MTX

Oversized, for 3- and 4-leg sling.

Art. no.	Code	WLL tonnes*	For chain mm, 3-4-leg	L	E	D	I	e	d	Weight kgs
Z100554	MTX-8-10	5.2	8	340	180	28	160	95	22	6.3
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

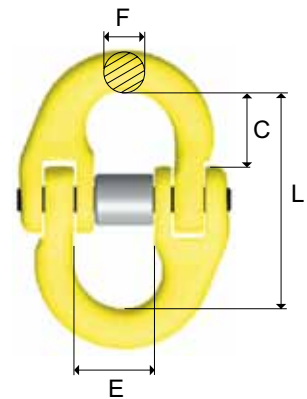
** Note! Without sublink



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Coupling Link G

Art. no.	Code	WLL tonnes*	L	E	F	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

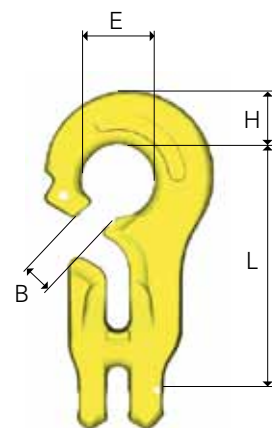


For larger sizes, see Classic range

C-Grab CG

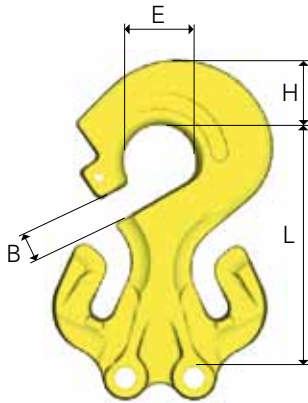
For use with master link, eye hooks and choke.

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



C-Grab CGD

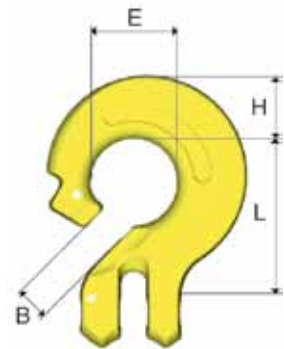
For use with master links.



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

C-Lok CL

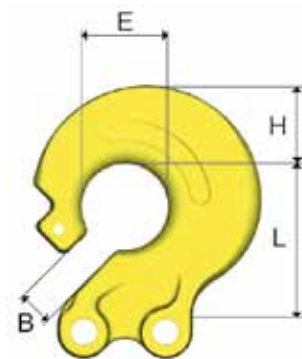
For use with master links, eye hooks and choke.



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

C-Lok CLD

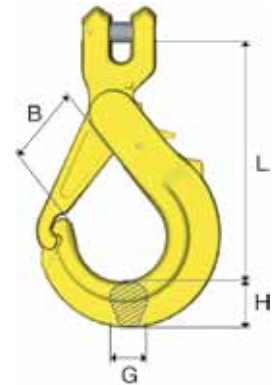
For use with master links.



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

Safety Hook GBK

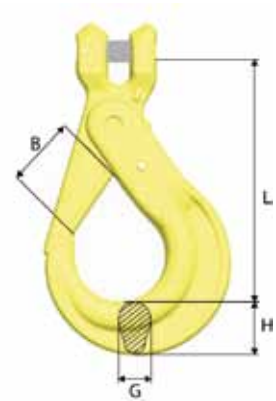
Art. no.	Code	WLL tonnes*	L	B	G	H	Weight kgs
Z100758	GBK-6-10	1.5	87	26	15	17	0.4
Z100759	GBK-8-10	2.5	119	36	20	22	0.8
Z100760	GBK-10-10	4	150	47	22	29	1.4
Z100761	GBK-13-10	6.7	172	53	29	38	2.7
Z100762	GBK-16-10	10	208	68	30	45	4.4



2

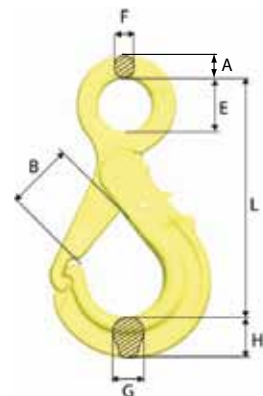
Safety Hook BKG

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

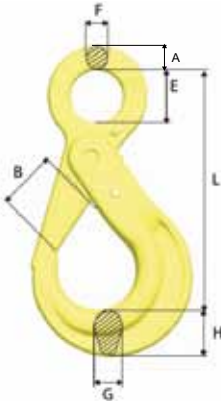


Safety Hook OBK

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



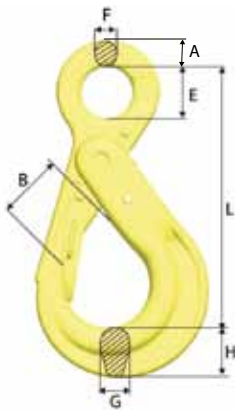
Safety Hook BK



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

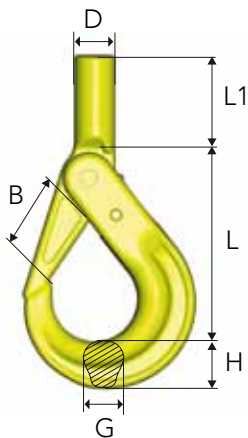
Safety Hook BKD

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

Shank Safety Hook BKT

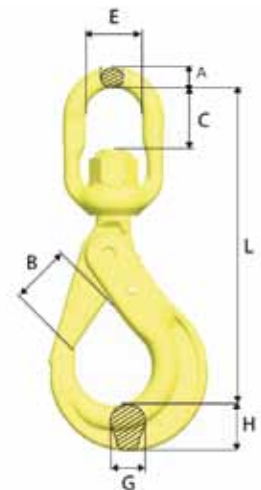


Art. no.	Code	WLL tonnes*	L	B	L1	D	dmin	G	H	Weight appr. kgs
Z101112	BKT-6-10	1.5	90	29	36	20	11	15	21	0.5
Z101102	BKT-7/8-10	2.5	111	37	47	24	13	17	26	0.9
Z101069	BKT-10-10	4	133	45	51	29	16	21	31	1.6

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

Swivel Safety Hook BKL

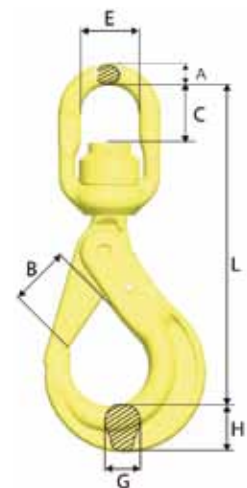
Art. no.	Code	WLL tonnes*	L	B	C	E	A	G	H	Weight kgs
Z101114	BKL-6-10	1.5	149	29	23	33	11	15	21	0.7
Z101104	BKL-7/8-10	2.5	183	37	27	38	12	17	26	1.2
Z101028	BKL-10-10	4	218	45	37	44	15	21	31	2.0
Z101036	BKL-13-10	6.7	282	55	49	48	19	30	40	4.0
Z101044	BKL-16-10	10	341	62	65	61	25	37	50	7.2
Z101093	BKL-18/20-10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



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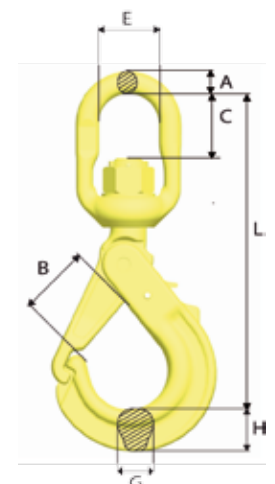
Swivel Safety Hook BKLK with ball-bearing

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

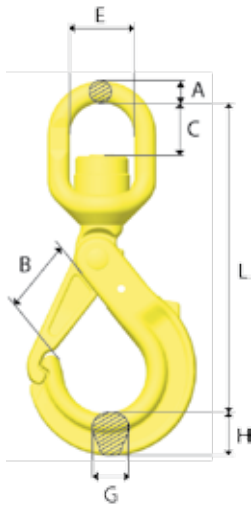


Swivel Safety Hook with Griplatch LBK

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

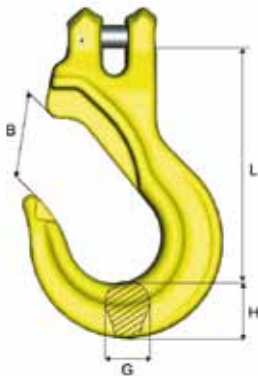


Swivel Safety Hook with Griplatch LKBK with ball-bearing



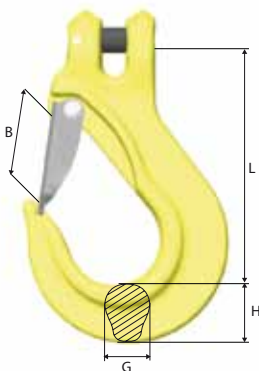
Art. no.	Code	WLL tonnes*	L	B	C	E	A	G	H	Weight kgs
Z100980	LKBK-7/8-10	2.5	176	37	27	38	12	20	22	1.2
Z100962	LKBK-10-10	4	213	47	35	44	15	22	29	2.1
Z100997	LKBK-13-10	6.7	261	53	43	48	19	29	38	4.0
Z100999	LKBK-16-10	10	323	68	61	61	25	30	45	6.8

Sling Hook EGK



Art. no.	Code	WLL tonnes*	L	B	G	H	Weight kgs
Z100915	EGK-6-10	1.5	86	28	17	20	0.4
Z100938	EGK-8-10	2.5	95	32	17	23	0.5
Z100942	EGK-10-10	4	121	41	23	31	1.0
Z100946	EGK-13-10	6.7	145	49	28	38	2.0
Z100950	EGK-16-10	10	170	61	36	46	3.8
Z101138	EGK-20-10	16	209	70	42	60	7.3

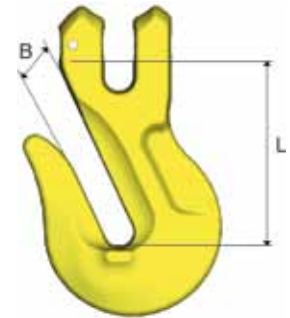
Sling Hook EGKN with latch



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

Grab Hook GG

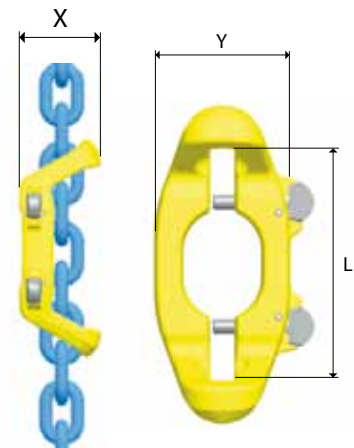
Art. no.	Code	WLL tonnes*	L	B	Weight kgs
B14771	GG-8-10	2.5	57	10.5	0.4
B14772	GG-10-10	4	76	12	0.9
B14773	GG-13-10	6.7	97	16	1.8
B14774	GG-16-10	10	124	20	3.1
Z101152	GG-20-10	16	147	26	7.0



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.

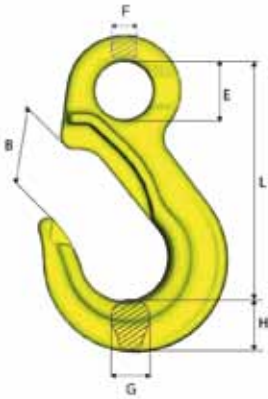
Note! The MIG must be used with at least one of the locking devices. See page 20 for locking devices.

Product Code Guide:

Locking options for the MIG

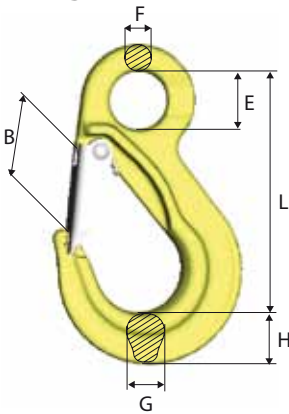


Sling Hook EK



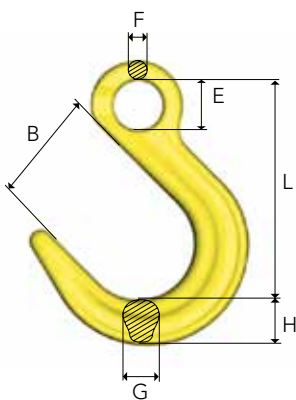
Art. no.	Code	WLL tonnes*	L	B	E	F	G	H	Weight kgs
Z101162	EK- 6-10	1.5	94	29	22	10	17	20	0.4
Z101164	EK- 8-10	2.5	109	32	28	12	17	23	0.5
Z101166	EK-10-10	4	134	42	34	14	23	30	0.9
Z101168	EK-13-10	6.7	166	49	44	18	28	38	2.0
Z101170	EK-16-10	10	203	60	56	22	36	47	3.8

Sling Hook EKN with latch



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

Foundry Hook OKE

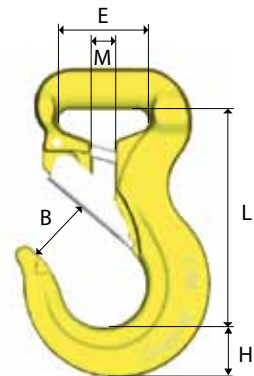


Art. no.	Code	WLL tonnes*	L	B	E	F	G	H	Weight kgs
Z100853	OKE-7/8-10	2.5	124	63	28	12	21	26	0.8
Z100854	OKE-10-10	4	151	76	34	15	26	30	1.4
Z100855	OKE-13-10	6.7	184	90	44	19	33	39	2.8
Z100898	OKE-16-10	10	218	102	56	23	40	46	4.9

Roundsling Hook RH

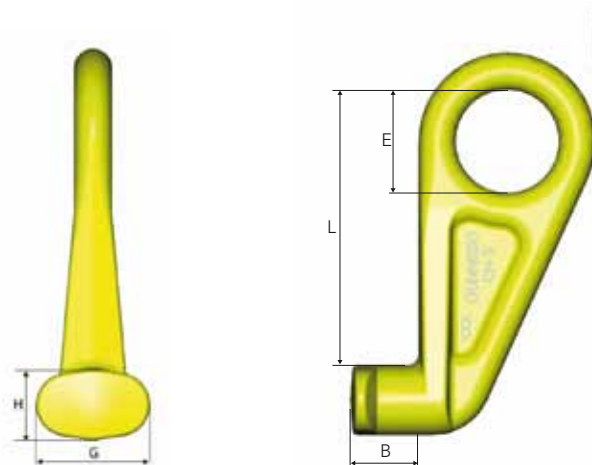
For polyester sling, colour coded

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



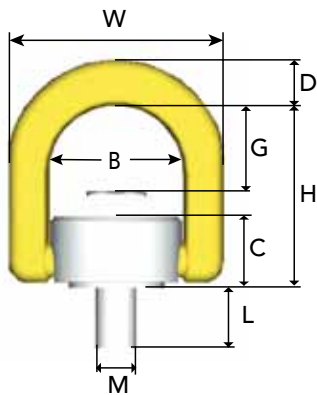
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Container Hook CH-3



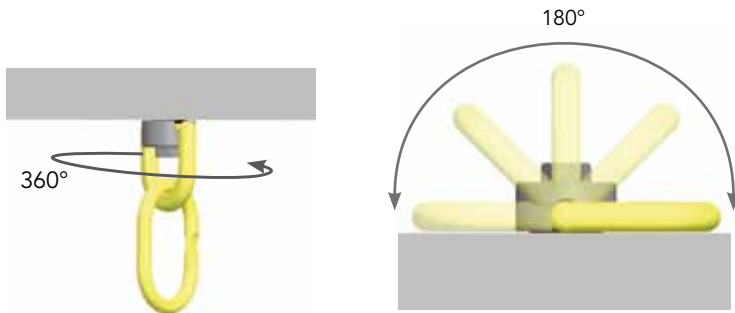
Art. no.	Code	WLL tonnes*	A	L	E	B	H	G	Weight appr. kgs
Z101220	CH-3	12.5	25	187	70	46	47	75	3.8
Z101221	CH-3, 45° left	12.5	25	187	70	46	47	75	3.8
Z101219	CH-3, 45° right	12.5	25	187	70	46	47	75	3.8

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

For extra long bolt for RLP, see page 7:24

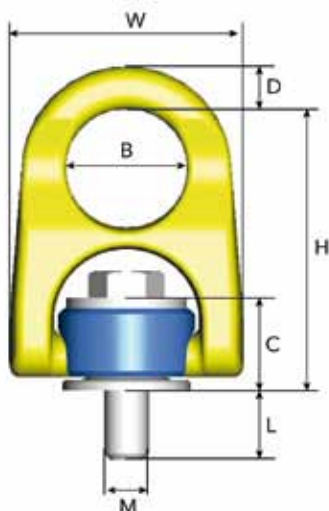


*** The WLL of the RLP may be double in case of 1-leg applications provided only axial loading takes place, i.e. no bending force applied in the direction of the thread.

Rotating Lifting Point ERLP

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

NEW



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

Working Load Limits (tonnes) for RLP / ERLP

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
M8-10	0.60	0.30	1.20	0.60	0.42	0.30	0.63	0.45
M10-10	1.00	0.50	2.00	1.00	0.70	0.50	1.05	0.75
M12-10	1.50	0.75	3.00	1.50	1.00	0.75	1.60	1.13
M16-10	3.00	1.50	6.00	3.00	2.10	1.50	3.15	2.25
M20-10	5.00	2.50	10.00	5.00	3.50	2.50	5.25	3.75
M24-10	7.00	3.50	14.00	7.00	4.90	3.50	7.35	5.25
M30-10	12.00	6.00	24.00	12.00	8.40	6.00	12.60	9.00
M36-10	14.00	8.00	28.00	16.00	11.20	8.00	16.80	12.00
M42-10	16.00	14.00	32.00	28.00	19.60	14.00	29.40	21.00
M48-10	20.00	16.00	40.00	32.00	22.40	16.00	33.60	24.00

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

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

In case of asymmetric loading we recommend following loading:

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

For more lifting points see p. 2:44 - 2:46

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.

GrabiQ chain sling benefits:

- 25% additional strength in the new grade 10 which gives lighter lifting slings.
- All top assemblies consist of no more than three components.
- Shortening function of chain legs is integral with no extra components.



Technical Specification

Art. no.	Code	WLL tonnes*	Length m	Choked WLL	Weight kgs	
B790110	MG1-GBK-6-10	1.5	2		4.1	
B790111	MG1-GBK-8-10	2.5	3		6.4	
B790112	MG1-GBK-10-10	4	3		10.1	
B790120	MG1-EGKN-6-10	1.5	2		2.8	
B790121	MG1-EGKN-8-10	2.5	3		6	
B790122	MG1-EGKN-10-10	4	3		9.7	
B790220	MG2-EGKN-6-10	2.1	2		7.1	
B790221	MG2-EGKN-8-10	3.5	3		11.7	
B790222	MG2-EGKN-10-10	5.6	3		18.9	
B790210	MG2-GBK-6-10	2.1	2		7.3	
B790211	MG2-GBK-8-10	3.5	3		12.3	
B790212	MG2-GBK-10-10	5.6	3		17.6	
B790130	MG2-CL-6 -10	2.1	6	1.6	12.4	
B790131	MG2-CL-8-10	3.5	6	2.7	21.8	
B790132	MG2-CL-10-10	5.6	6	4.4	34.9	

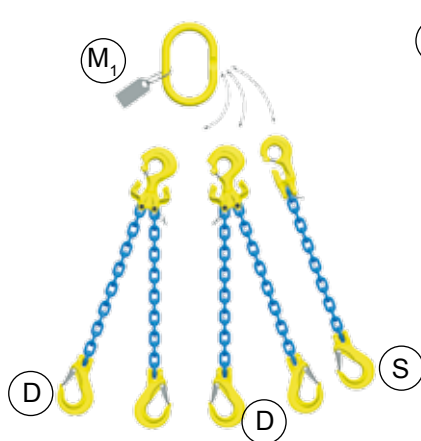
*Safety factor 4:1
For availability, see pricelist

GrabIQ FlexiLeg

GrabIQ FlexiLeg is a flexible chain sling solution with instant leg interchange, where one single master link and a combination of five legs replaces four slings, which is equal to ten legs with the traditional system (a 50 % reduction!). By using the unique features of the GrabIQ range, Gunnebo Lifting has increased the flexibility of lifting with chain slings even further.

Sling configuration:

- 1-leg: M + S
- 2-legs: M + D
- 3-legs: M + D + S
- 4-legs: M + D + D

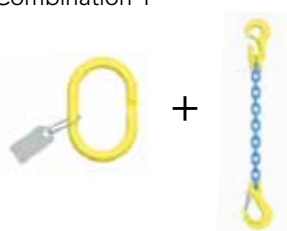


M1 – Master link (MF)
 Alt. M2 – Master link designed for crane hooks, DIN 15401 (MFH).
 S – single chain sling unit with built in shortening function.
 D – double chain sling unit with built in shortening function.

2

1-leg		2-leg		3- & 4-leg	
Chain dim. mm		β 0-45° α 0-90°	β 45-60° α 90-120°	β 0-45° α 0-90°	β 45-60° α 90-120°
6	1.5	2.12	1.5	3.15	2.2
8	2.5	3.5	2.5	5.2	3.7
10	4	5.6	4	8.4	6
13	6.7	9.5	6.7	14	10
16	10	14	10	21	15

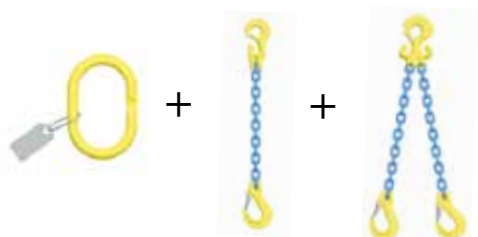
Combination 1



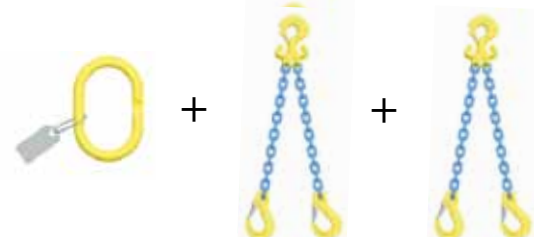
Combination 2



Combination 3



Combination 4



6 mm FlexiLeg

Pre-Assembled



Art. no.	Code	Weight kgs appr.
Z101016	FlexiLeg FMG 221 GBK 6 mm L= 2 m	13.8
Z101017	FlexiLeg FMG 221 EGKN 6 mm L= 2 m	13.3

FlexiLeg Sling



Art. no.	Code
Z101050	FlexiLeg GBK 6 mm L= 2 m
Z101051	FlexiLeg EGKN 6 mm L= 2 m
Z101052	FlexiLeg GBK 8 mm L= 2 m
Z101053	FlexiLeg EGKN 8 mm L= 2 m
Z101054	FlexiLeg GBK 10 mm L= 2 m
Z101055	FlexiLeg EGKN 10 mm L= 2 m
Z101056	FlexiLeg GBK 13 mm L= 2 m
Z101057	FlexiLeg EGKN 13 mm L= 2 m
Z101058	FlexiLeg GBK 16 mm L= 2 m
Z101059	FlexiLeg EGKN 16 mm L= 2 m

Can be supplied in different lengths.

Chain Sling 1-leg

Type: MG1-GBK



Dim. mm	WLL tonnes* 1-leg	Master link	Chain	Hook	Weight appr. kgs/ea Eff. length		Comp. length mm
					2m	Weight/m	
6	1.5	MG 6-10	KLA 6-10	GBK-6-10	2.8	1.0	171
8	2.5	MG 8-10	KLA 8-10	GBK-8-10	4.7	1.7	296
10	4.0	MG 10-10	KLA 10-10	GBK-10-10	7.7	2.7	361
13	6.7	MG 13-10	KLA 13-10	GBK-13-10	13	4.4	453
16	10	MG 16-10	KLA 16-10	GBK-16-10	20.5	6.7	527

Chain Sling 1-leg Type: MG1-EGKN

Dim. mm	WLL tonnes*		Master link	Chain	Hook	Weight appr.		Component length mm
	1-leg					kgs/ea		
						2m	Weight/m	
6	1.5		MG 6-10	KLA 6-10	EGKN 6-10	2.7	1	231
8	2.5		MG 8-10	KLA 8-10	EGKN 8-10	4.3	1.7	261
10	4		MG 10-10	KLA 10-10	EGKN 10-10	7	2.7	331
13	6.7		MG 13-10	KLA 13-10	EGKN 13-10	11.7	4.4	408
16	10		MG 16-10	KLA 16-10	EGKN 16-10	19.3	6.7	481



2

Chain Sling 2-leg Type: MG2-GBK

Dim. mm	WLL tonnes*			Master link	Chain	Hook	Weight appr.		Component length mm
	2-leg						kgs/ea		
	β 0-45°	β 45-60°					2m	Weight/m	
6	2.1	1.5		MGD 6-10	KLA 6-10	GBK-6-10	5.2	2	235
8	3.5	2.5		MGD 8-10	KLA 8-10	GBK-8-10	9.2	3.4	296
10	5.6	4		MGD 10-10	KLA 10-10	GBK-10-10	14.9	5.4	361
13	9.5	6.7		MGD 13-10	KLA 13-10	GBK-13-10	25.4	8.8	453
16	14	10		MGD 16-10	KLA 16-10	GBK-16-10	38.9	13.4	527



Chain Sling 2-leg Type: MG2-EGKN

Dim. mm	WLL tonnes*			Master link	Chain	Hook	Weight appr.		Component length mm
	2-leg						kgs/ea		
	β 0-45°	β 45-60°					2m	Weight/m	
6	2.1	1.5		MGD 6-10	KLA 6-10	EGKN 6-10	5	2	230
8	3.5	2.5		MGD 8-10	KLA 8-10	EGKN 8-10	8.3	3.4	261
10	5.6	4		MGD 10-10	KLA 10-10	EGKN 10-10	13.5	5.4	331
13	9.5	6.7		MGD 13-10	KLA 13-10	EGKN 13-10	22.4	8.8	408
16	14	10		MGD16-10	KLA 16-10	EGKN 16-10	36.5	13.4	481



Chain Sling 2-leg Type: MG2-CL



Dim. mm	WLL tonnes* 2-leg		WLL tonnes 2-leg choked		Master link	Chain	Hook	Weight appr. kgs/ea Eff. length		Component length mm
	β 0-45°	β 45-60°	β 0-45°	β 45-60°				2 m	Weight/m	
	α 0-90°	α 90-120°	α 0-90°	α 90-120°						
6	2.1	1.5	1.6	1.2	MGD 6-10	KLA 6-10	CL 6-10	4.7	2	187
8	3.5	2.5	2.7	2	MGD 8-10	KLA 8-10	CL 8-10	8.2	3.4	230
10	5.6	4	4.4	3.2	MGD 10-10	KLA 10-10	CL 10-10	13.3	5.4	285
13	9.5	6.7	7.4	5.4	MGD 13-10	KLA 13-10	CL 13-10	23	8.8	359
16	14	10	11	8	MGD 16-10	KLA 16-10	CL 16-10	36.6	13.4	429

Chain Sling 1-leg Type: TG1-GBK



Dim. mm	WLL tonnes* 1-leg	Master link	Chain	Coupling	Hook	Weight appr. kgs/ea Eff. length		Component length mm
						2 m	Weight/m	
6	1.5	MF 86-10	KLA 6-10	CG 6-10	GBK-6-10	3	1	200
8	2.5	MF 86-10	KLA 8-10	CG 8-10	GBK-8-10	4.8	1.7	346
10	4	MF 108-10	KLA 10-10	CG 10-10	GBK-10-10	7.8	2.7	424
13	6.7	MF 1310-10	KLA 13-10	CG 13-10	GBK-13-10	13.7	4.4	504
16	10	MF 1613-10	KLA 16-10	CG 16-10	GBK-16-10	23.1	6.7	621
20	16	MF-2016-10	KLA 20-10	G/GG 20-10	BKG-20-10	40.2	9.4	605

Chain Sling 1-leg

Type: TG1-EGKN

Dim. mm	WLL tonnes*		Master link	Chain	Coupling	Hook	Weight appr. kgs/ea Eff. length		Comp. length mm
	1-leg						2 m	weight/m	
6	1.5		MF 86-10	KLA 6-10	CG 6-10	EGKN 6-10	4.9	1	286
8	2.5		MF 86-10	KLA 8-10	CG 8-10	EGKN 8-10	8.1	1.7	342
10	4		MF 108-10	KLA 10-10	CG 10-10	EGKN 10-10	13.6	2.7	415
13	6.7		MF 1310-10	KLA 13-10	CG 13-10	EGKN 13-10	22.5	4.4	507
16	10		MF 1613-10	KLA 16-10	CG 16-10	EGKN 16-10	37.2	6.7	624
20	16		MF-2016-10	KLA 20-10	G/GG 20-10	EGKN-20-10	38.2	9.4	605



2

Chain Sling 2-leg

Type: TG2-GBK

Dim. mm	WLL tonnes*		Master link	Chain	Coupling	Hook	Weight appr. kgs/ea Eff. length		Comp. length mm
	2-leg						2 m	weight/m	
	β 0-45° α 0-90°	β 45-60° α 90-120°							
6	2.1	1.5	MF 86-10	KLA 6-10	CGD 6-10	GBK-6-10	5.1	2	291
8	3.5	2.5	MF 108-10	KLA 8-10	CGD 8-10	GBK-8-10	8.7	3.4	366
10	5.6	4	MF 1310-10	KLA 10-10	CGD 10-10	GBK-10-10	14	5.4	444
13	9.5	6.7	MF 1613-10	KLA 13-10	CGD 13-10	GBK-13-10	23.1	8.8	534
16	14	10	MF 2016-10	KLA 16-10	CGD 16-10	GBK-16-10	40.2	13.4	671
20	22.4	16	MF 2220-10	KLA 20-10	G/GG 20-10	BKG-20-10	77	18.8	615



Chain Sling 2-leg

Type: TG2-EGKN

Dim. mm	WLL tonnes*		Master link	Chain	Coupling	Hook	Weight appr. kg/ea Eff. length		Comp. length
	2-leg						2 m	weight/m	
	β 0-45° α 0-90°	β 45-60° α 90-120°							
6	2.1	1.5	MF 86-10	KLA 6-10	CGD 6-10	EGKN 6-10	4.9	2	286
8	3.5	2.5	MF 108-10	KLA 8-10	CGD 8-10	EGKN 8-10	8.1	3.4	342
10	5.6	4	MF 1310-10	KLA 10-10	CGD 10-10	EGKN 10-10	13.6	5.4	415
13	9.5	6.7	MF 1613-10	KLA 13-10	CGD 13-10	EGKN 13-10	22.5	8.8	507
16	14	10	MF 2016-10	KLA 16-10	CGD 16-10	EGKN 16-10	37.2	13.4	625
20	22.4	16	MF 2220-10	KLA 20-10	G/GG 20-10	EGKN 20-10	73	18.8	615



Chain Sling 3-leg

Type: TG3-GBK



Dim. mm	WLL tonnes* 3-leg		Master link	Chain	Coupling	Hook	Weight appr. kgs/ea Eff. length		Comp. length mm
	β 0-45°	β 45-60°					2 m	weight/m	
	α 0-90°	α 90-120°							
6	3.1	2.2	MF 108-10	KLA 6-10	CGD/CG 6-10	GBK-6-10	8	3	311
8	5.2	3.7	MF 1310-10	KLA 8-10	CGD/CG 8-10	GBK-8-10	14.3	5.1	392
10	8.4	6	MF 1613-10	KLA 10-10	CGD/CG 10-10	GBK-10-10	23.3	8.1	474
13	14	10	MF 2016-10	KLA 13-10	CGD/CG 13-10	GBK-13-10	41.2	13.2	604
16	21	15	MF 2220-10	KLA 16-10	CGD/CG 16-10	GBK-16-10	62.8	20.1	680
20	33.6	24	MTC 20-10	KLA 20-10	G/GG 20-10	BKG- 20-10	140	28.2	665

Chain Sling 3-leg

Type: TG3-EGKN



Dim. mm	WLL tonnes* 3-leg		Master link	Chain	Coupling	Hook	Weight appr. kgs/ea Eff. length		Comp. length mm
	β 0-45°	β 45-60°					2 m	weight/m	
	α 0-90°	α 90-120°							
6	3.1	2.2	MF 108-10	KLA 6-10	CGD/CG 6-10	EGKN 6-10	7.8	3	306
8	5.2	3.7	MF 1310-10	KLA 8-10	CGD/CG 8-10	EGKN 8-10	13	5.1	357
10	8.4	6	MF 1613-10	KLA 10-10	CGD/CG 10-10	EGKN 10-10	21.2	8.1	444
13	14	10	MF 2016-10	KLA 13-10	CGD/CG 13-10	EGKN 13-10	36.6	13.2	559
16	21	15	MF 2220-10	KLA 16-10	CGD/CG 16-10	EGKN 16-10	59.3	20.1	634
20	33.6	24	MTC 20-10	KLA 20-10	G/GG 20-10	EGKN 20-10	134	28.2	665

Chain Sling 4-leg

Type: TG4-GBK



2

Dim. mm	WLL tonnes* 4-leg		Master link	Chain	Coupling	Hook	Weight appr. kgs/ea Eff. length		Comp. length mm
	β 0-45°	β 45-60°					2 m	weight/m	
	α 0-90°	α 90-120°							
6	3.1	2.2	MF 108-10	KLA 6-10	CGD 6-10	GBK-6-10	10.5	4	311
8	5.2	3.7	MF 1310-10	KLA 8-10	CGD 8-10	GBK-8-10	17.1	6.8	392
10	8.4	6.0	MF 1613-10	KLA 10-10	CGD 10-10	GBK-10-10	29.6	10.8	474
13	14	10	MF 2016-10	KLA 13-10	CGD 13-10	GBK-13-10	51.6	17.6	604
16	21	15	MF 2220-10	KLA 16-10	CGD 16-10	GBK-16-10	78.4	26.8	680
20	33.6	24	MTC 20-10	KLA 20-10	G/GG 20-10	BKG-20-10	175	37.6	665

Chain Sling 4-leg

Type: TG4-EGKN



Dim. mm	WLL tonnes* 4-leg		Master link	Chain	Coupling	Hook	Weight appr. kgs/ea Eff. length		Comp. length mm
	β 0-45°	β 45-60°					2 m	weight/m	
	α 0-90°	α 90-120°							
6	3.1	2.2	MF 108-10	KLA 6-10	CGD 6-10	EGKN 6-10	10	4	306
8	5.2	3.7	MF 1310-10	KLA 8-10	CGD 8-10	EGKN 8-10	16.5	6.8	357
10	8.4	6	MF 1613-10	KLA 10-10	CGD 10-10	EGKN 10-10	28.8	10.8	444
13	14	10	MF 2016-10	KLA 13-10	CGD 13-10	EGKN 13-10	45.5	17.6	559
16	21	15	MF 2220-10	KLA 16-10	CGD 16-10	EGKN 16-10	73.7	26.8	634
20	33.6	24	MTC 20-10	KLA 20-10	G/GG 20-10	EGKN 20-10	167	37.6	665

Classic Components



GUNNEBO
LIFTING

Classic

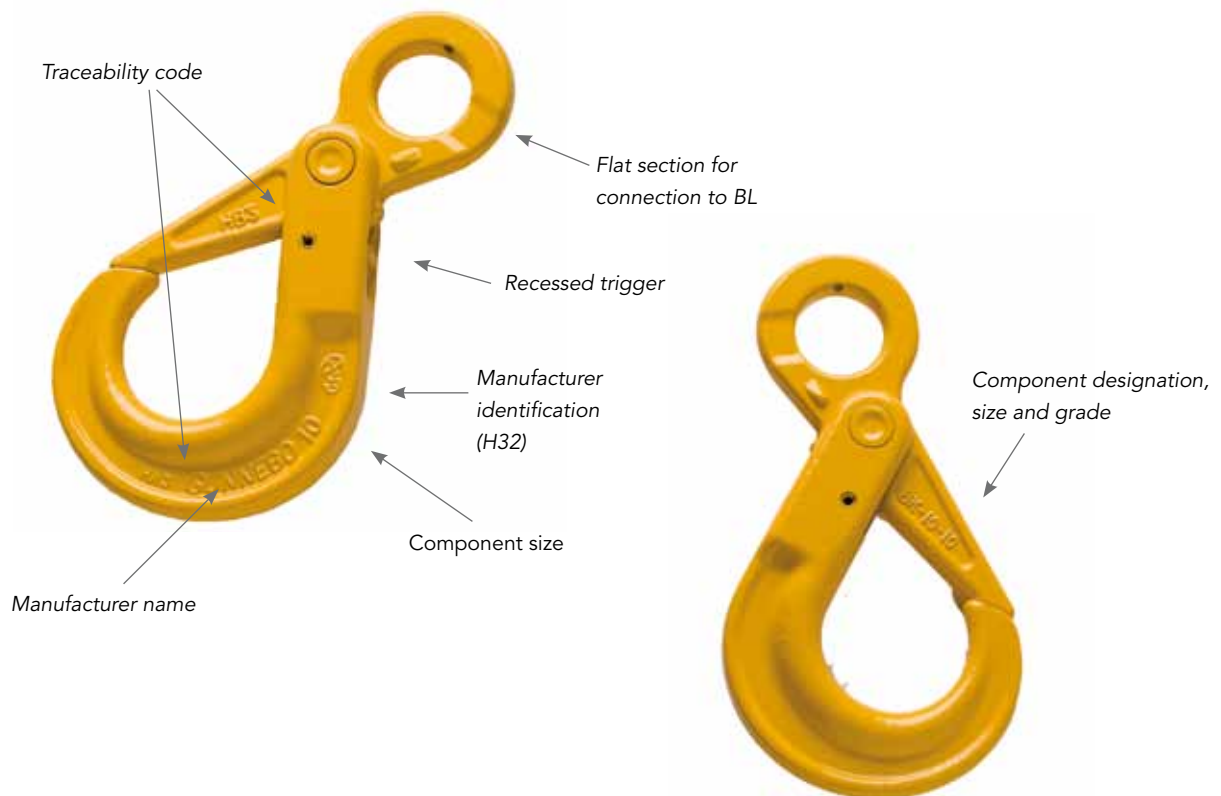
Gunnebo Lifting – Your Partner in Safe Lifting

Chain and components are made from special quenched and tempered alloy steel, a guarantee for very high strength, low weight, high wear resistance and long life.

All Lifting components are uniformly marked with equivalent chain size, grade, manufacturer's designation and name for positive identification.

It's easy to see the difference between a Gunnebo Lifting original component and copies, see the picture below for the characteristics of Gunnebo Lifting Components.

Remember that it's not only the yellow color that symbolises a quality product. Be sure to get the original – be sure that you get a Gunnebo Lifting product!



Information for Safe Use

Extreme temperature conditions

The in service temperature effects the WLL as follows:

Temp. of sling	Reduction of WLL Grade 8
-40° C to 200° C	0%
+200° C to 300° C	10%
+300° C to 400° C	25%

Upon return to normal temperature, the sling reverts to its full capacity within the above temperature range. Chain slings should 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 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.

Protect Yourself and Others

- Before each use the chain sling should be checked for obvious damage or deterioration.
- Know the weight of the load, the centre of gravity and ensure it is ready to move and 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 walk or stand under a suspended load.
- Take into consideration that the load may swing or rotate.
- Watch your feet and fingers while loading/unloading.

General Advice

- Ensure that the sling is precisely as ordered.
- Ensure that the manufacturers 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 recorded.
- Ensure that the staff using the chain sling has received the appropriate information and training.

For information about type testing, see page 2:2

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, if the chain leg needs length adjustment use a shortening device. 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 it's natural angle and should not be hammered down.

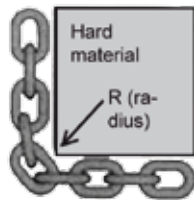


Where choke hitch is employed the WLL of the chain sling should be reduced by 20% (unless the LK choker hook is used)

Endless chain slings shall be rated in the same way as a 2-legged sling.

Sharp edges

Use edge protectors to prevent sharp edges from damaging the chain. If lifting over sharp edges reduce the working load with the following reduction tor.



Edge load	$R > 2 \times \text{chain } \varnothing$	$R > \text{chain } \varnothing$	$R < \text{chain } \varnothing$
Reduction factor	1.0	0.7	0.5

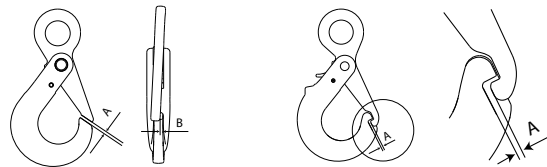
- The angle of the edge must not be below 90o.
- Chain links shall be protected from being bent or deformed and from receiving cuts or gouges.
- Chain sling WLL is to be reduced when chain is rigged over an edge radius R less than two (2) x chain diameter (d).
- Reduced WLL equals chain sling WLL from identification tag x reduction factor.
- Slings shall be padded or protected from edges of their loads when the edge radius is less than 0,5 of the chain diameter(d).
- Slings shall be rigged to prevent chain from sliding over a load edge radius while lifting.
- Slings used in basket hitch shall have the loads balanced to prevent slipping.

When lifting with chain directly on lugs the lug diameter > 3x the pitch of the chain, otherwise the WLL must be reduced by 50%.

Maintenance

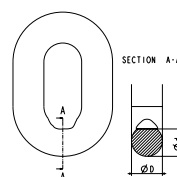
Periodic thorough examination must be carried out at least every 12 months or more frequently according to statutory regulations, type of use and past experience.

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 gouges 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 measure A with unloaded spring and measure 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
18/20	5,5	10
22	6	11
26	6,5	12
28	7	13

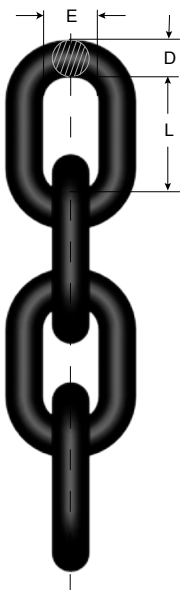
5. The wear of the chain and component shall in no place exceed 10% of the original dimensions. The chain link wear - max. 10% - is defined as the reduction of the mean diameter measured in two directions.



$$\frac{d_1 + d_2}{2} > 0,9d_{nn}$$

d_n = nominal diameter

Chain Classic Grade 8 EN 818-2 Short link chain, KL



Heat treatment

Quenched and tempered.

Surface treatment

Painted black (B)

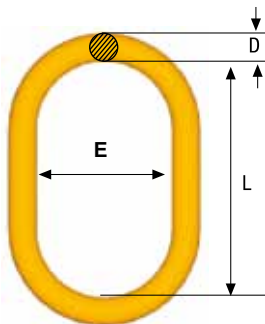
Marking

8EG

Art.no Box	Code	D nom. mm	L mm	E mm	Weight kgs/m	WLL tonnes	Manufacturing proof force kN	Breaking force kN
Z802174 - 1 x 200 m	KLB 6-8E	6	18	8.5	0.8	1.12	28.3	45.2
Z802175 - 1 x 200 m	KLB 7-8E	7	21	10	1.1	1.5	38.5	61.6
Z802176 - 1 x 200 m	KLB 8-8E	8	24	11	1.4	2	50.3	80.4
Z802156 - 1 x 100 m	KLB 10-8E	10	30	14	2.2	3.15	78.5	126
Z802157 - 1 x 100 m	KLB 13-8E	13	39	18	3.7	5.3	133	212
Z802177 - 1 x 100 m	KLB 16-8E	16	48	22	5.6	8	201	322
Z801203 - 1 x 100 m	KLB 19-8E	19	57	26	7.8	11.2	284	454
Z801228 - 1 x 50 m	KLB 22-8E	22	66	30	10.6	15	380	608
Z801231 - 1 x 25 m	KLB 26-8E	26	78	35	14.8	21.2	531	849
Z801232 - 1 x 25 m	KLB 32-8E	32	96	43	21.6	31.5	804	1290

Master Link M

EN 1677-4



Art. no.	Code	WLL tonnes*	L	E	D	Weight kgs
Z100866	M-6-10	1.25	100	60	11	0.2
Z100867	M-86-10	2.5	125	70	14	0.4
Z100868	M-108-10	4	140	80	17	0.8
Z100869	M-13-10	5.4	150	90	19	1
Z100870	M-1310-10	7.5	160	95	22	1.5
Z100871	M-1613-10	10	190	110	28	2.3
Z100872	M-19-10	12	200	120	30	3.5
Z100873	M-2016-10	17	240	140	34	5.2
Z100874	M-2220-10	25	250	150	40	7.3
Z101244	M-2622-10	28	250	150	42	7.8
Z100876	M-32-10	33	300	180	45	11.7
Z100877	M-3226-10	43	300	200	50	14.8
Z100878	M-3632-10	56	350	200	55	20.7
Z100879	M-4536-10	70	375	210	60	26.4
Z100880	M-90T-10	90	450	250	70	42.8
Z100881	M-100T-10	100	450	260	80	57
Z100882	M-125T-10**	125	450	260	80	57

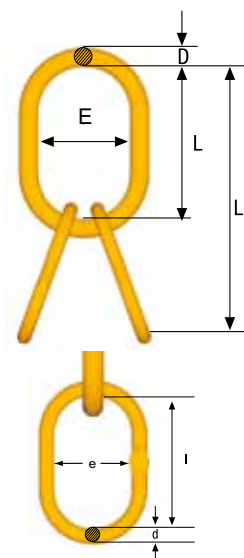
** Dimension L and E not acc. to EN 1677-4.

Master Link with Sub Links MT

EN 1677-4

Art. no.	Code	WLL tonnes*	For chain mm, 3-4-leg	L1	L	E	D	l	e	d	Weight kgs
Z100888	MT-6-10**	3.5	6	270	150	90	19	120	70	14	1.8
Z100889	MT-8-10**	5.2	7, 8	300	160	95	22	140	80	17	3
Z100897	MT-9-10	6.9	9	340	190	110	28	150	90	19	4.3
Z100890	MT-10-10**	11.5	10	360	200	120	30	160	95	22	6.4
Z100891	MT-13-10**	17	13	450	250	150	40	200	120	30	14.2
Z100892	MT-16-10**	28	16	500	300	200	50	200	120	32	23
Z100893	MT-20-10**	35	19, 20	550	300	200	55	250	150	40	31.5
Z100894	MT-22-10	53	22	610	350	200	60	260	140	45	46
Z100895	MT-26-10	70	26	730	450	250	70	280	160	50	71
Z100896	MT-32-10	90	32	750	450	260	80	280	160	55	91

** With flattened section for use with BL

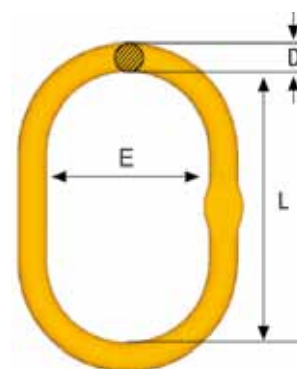


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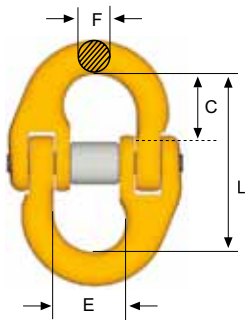
Master Link MF

EN 1677-4

Art. no.	Code	WLL tonnes*	For chain mm, 1-leg	For chain mm, 2-leg	L	E	D	Weight kgs
Z100859	MF-6-10	1.3	6	-	100	60	11	0.2
Z100860	MF-86-10	2.5	7, 8	6	125	70	14	0.4
Z100861	MF-108-10	4	10	7, 8	140	80	17	0.8
Z100862	MF-1310-10	7.5	13	10	160	95	22	1.5
Z100863	MF-1613-10	10	16	13	190	110	28	2.5
Z100864	MF-2016-10	17	19, 20	16	240	140	34	5.2
Z100865	MF-2220-10	25	-	20	250	150	40	7.3

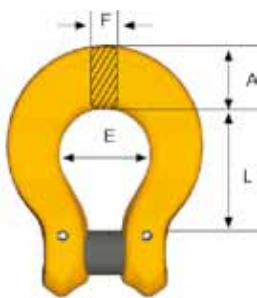


Coupling Link G EN 1677-1



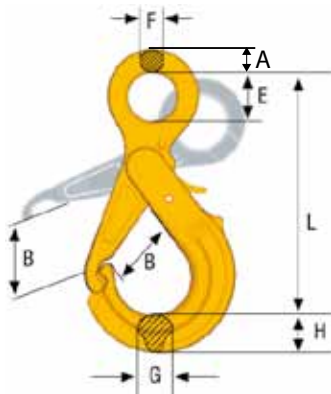
Art. no.	Code	WLL tonnes*	For chain dim. mm	L	E	F	C	Weight appr. kgs
Z622882	G-6-8	1.12	6	45	15	7	17	0.1
Z279333	G-7/8-8	2	7, 8	56	18	9	22	0.2
Z279430	G-10-8	3.2	10	68	25	12	26	0.3
Z279537	G-13-8	5.4	13	89	29	15	33	0.7
Z279634	G-16-8	8	16	105	36	19	40	1.2
Z279731	G-18/20-8	12.5	19	125	43	22	47	1.9
Z279838	G-22-8	15.5	22	152	50	24	59	3.0
Z349171	G-26-8	21.6	26	161	58	30	61	5.2
Z349189	G-32-8	32	32	200	70	38	77	9.5

Berglok Chain Coupler BL EN 1677-1



Art. no.	Code	WLL tonnes*	For chain dim. mm	L	E	F	A	Weight appr. kgs
Z622036	BL-6-8	1.12	6	27	20	9	14	0.1
Z195823	BL-7/8-8	2.0	7, 8	35	25	11	18	0.2
Z208022	BL-10-8	3.2	10	45	32	14	22	0.4
Z217820	BL-13-8	5.4	13	56	40	17	28	0.8
Z208226	BL-16-8	8.0	16	68	50	22	35	1.4
Z284632	BL-19-8	11.5	19	80	58	25	41	2.1

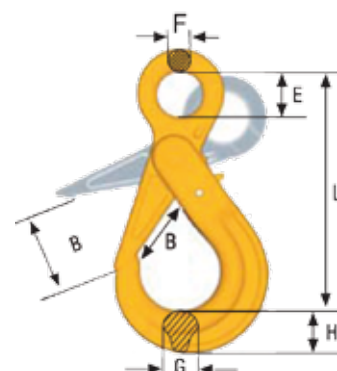
Safety Hook OBK with griplatch EN 1677-3



Art. no.	Code	WLL tonnes*	For chain dim. mm	A	L	B	E	F	G	H	Weight appr. kgs
Z100218	OBK-22-8	15.5	22	30	335	87	70	22	40	57	10.2

Safety Hook BK EN 1677-3

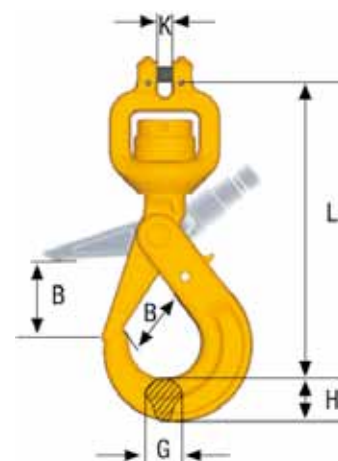
Art. no.	Code	WLL tonnes*	For chain dim. mm	A	L	B	E	F	G	H	Weight appr. kgs
Z113241	BK-22-8	15.5	22	32	320	80	70	24	47	62	11.2
Z100222	BK-26-8	21.6	26	35	345	100	80	25	50	69	14.6
Z700960	BK-28-8	25	32	40	400	120	90	27	62	89	23



2

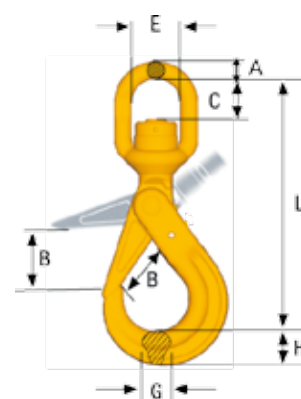
Clevis Swivel Safety Hook BKH with ball bearing EN 1677-3

Art. no.	Code	For chain dim. mm	WLL tonnes*	L	B	K	G	H	Weight appr. kgs
Z336222	BKH-6-8	6	1.12	145	28	6.8	15	21	0.7
Z700809	BKH-7/8-8	7,8	2	181	37	8.8	17	26	1.2



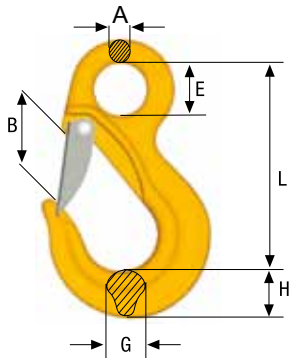
Swivel Safety Hook BCLK with ball bearing EN 1677-3

Art. no.	Code	WLL tonnes*	For chain dim. mm	L	B	C	E	A	G	H	Weight appr. kgs
Z101015	BCLK-26-8	21.6	26	477	100	110	102	35	50	68	23



Sling Hook EKN with latch

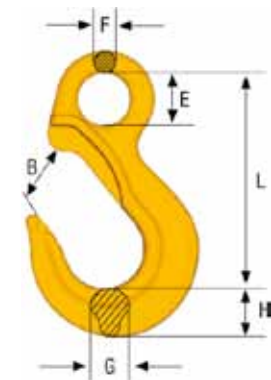
EN 1677-2



Art. no.	Code	WLL tonnes*	For chain dim. mm	L	B	E	A	G	H	Weight appr. kgs
Z100273	EKN-18/20-8	12.5	19	229	60	60	26	41	51	5.3
Z100276	EKN-22-8	15.5	22	267	73	64	31	43	69	8.7
Z100723	EKN-26-8	21.6	26	301	81	66	32	51	75	12.2
Z100725	EKN-32-8	32	32	333	93	76	38	61	80	17.9

Sling Hook EK

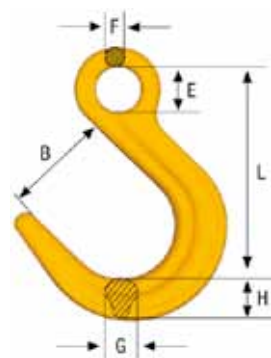
EN 1677-1



Art. no.	Code	WLL tonnes	For chain dim. mm	L	B	E	F	G	H	Weight appr. kgs
Z100700	EK-18/20-8	12.5	19	229	69	60	26	41	51	5.2
Z100703	EK-22-8	15.5	22	267	83	64	31	43	69	8.5
Z100717	EK-26-8	21.6	26	301	95	66	32	51	75	12.0
Z100720	EK-32-8	32	32	333	105	76	38	61	80	17.7

Foundry Hook OKE

EN 1677-1

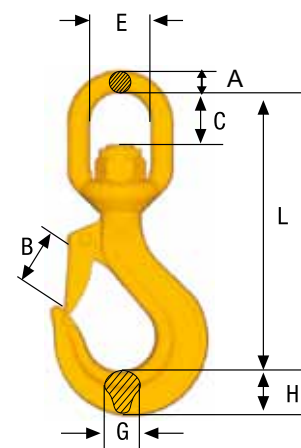


Art. no.	Code	WLL tonnes*	For chain dim. mm	L	B	E	F	G	H	Weight appr. kgs
Z316624	OKE-18/20-8	12.5	19	247	114	60	27	46	60	7.1
Z645548	OKE-26-8	21.6	26	300	113	70	35	64	73	15
Z645564	OKE-32-8	32	32	384	145	90	42	77	94	30

Swivel Latch Hook LKN

EN 1677-2

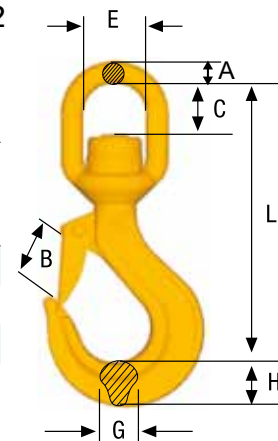
Art. no.	Code	WLL tonnes*	For chain dim. mm	L	B	C	E	A	G	H	Weight appr. kgs
Z142647	LKN-7/8-8	2	7, 8	154	28	28	36	12	18	24	0.8
Z142744	LKN-10-8	3.2	10	192	35	37	44	15	23	31	1.5
Z142841	LKN-13-8	5.4	13	238	40	47	48	19	28	36	3
Z142948	LKN-16-8	8	16	295	53	65	61	25	35	44	5.1



Swivel Latch Hook LKNK with ball bearing

EN 1677-2

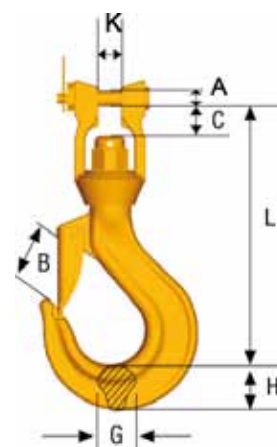
Art. no.	Code	WLL tonnes*	For chain dim. mm	L	B	C	E	A	G	H	Weight appr. kgs
Z700908	LKNK-7/8-8	2	7, 8	156	29	28	38	12	18	24	0.9
Z700909	LKNK-10-8	3.2	10	191	35	35	44	15	23	31	1.6
Z700910	LKNK-13-8	5.4	13	236	40	45	48	19	28	36	3.2
Z700911	LKNK-16-8	8	16	295	53	63	61	25	35	44	5.3



Clevis Swivel Hook LKNG

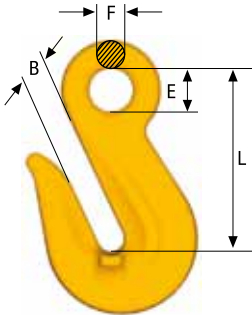
EN 1677-2

Art. no.	Code	WLL tonnes*	For chain dim. mm	L	B	C	A	G	H	K	Weight appr. kgs
Z700494	LKNG-16-8	8	16	258	53	30	28	35	44	27	5.6



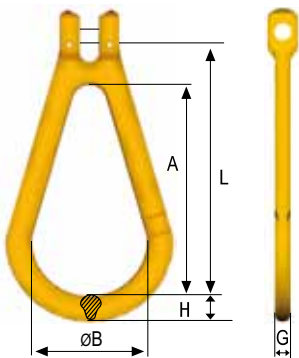
Grab hook OG EN 1677-1

Not for use with Berglok. No reduction of working load limit, thanks to supporting lugs on either side of hook to prevent chain link deformation.



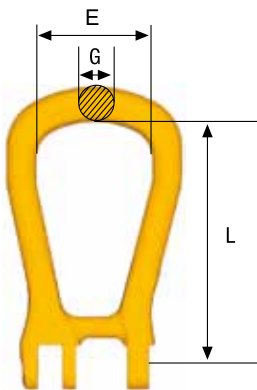
Art. no.	Code	WLL tonnes*	For chain dim. mm	L	B	E	F	Weight appr. kgs
Z100811	OG-7/8-8	2	7, 8	65	10	16	10	0.3
Z291022	OG-10-8	3.2	10	85	12	20	12	0.6
Z295220	OG-13-8	5.4	13	104	15	25	16	1.2
Z296221	OG-16-8	8	16	130	19	30	19	2.4
Z100548	OG-19/20-8	12.5	19	156	22.5	36	23	4
Z700913	OG-22-8	15.5	22	180	25.5	42	26	5.9

Clevis egglink CEL EN 1677-1



Art. no.	Code	WLL tonnes*	For chain dim. mm	A	B	G	H	L	Weight appr. kgs
Z700968	CEL-7/8-8	2	7, 8	80	40	14	15	100	0.4
Z700969	CEL-10-8	3.2	10	100	50	18	19	126	0.7
Z700970	CEL-13-8	5.4	13	130	65	23	25	162	1.5

Master link (closed) SKG EN 1677-1

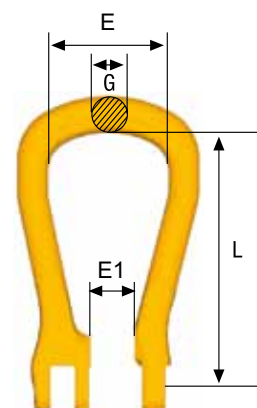


Art. no.	Code	WLL tonnes*	For chain dim. mm	L	E	G	Weight appr. kgs
Z419684	SKG-7/8-8	2	7, 8	99	50	14	0.3
Z419781	SKG-10-8	3.2	10	127	66	18	0.6
Z419888	SKG-13-8	5.4	13	145	72	22	1.1
Z419985	SKG-16-8	8	16	175	82	25	1.5
Z420086	SKG-18/20-8	12.5	19	204	105	30	3.0

Master link (open) SKO

EN 1677-1

Art. no.	Code	WLL tonnes*	For chain dim. mm	L	E	G	E1	Weight appr. kgs
Z418683	SKO-7/8-8	2	7, 8	99	50	14	15	0.3
Z418780	SKO-10-8	3.2	10	127	66	18	20	0.6
Z419383	SKO-13-8	5.4	13	145	72	22	25	1
Z419480	SKO-16-8	8	16	175	82	25	30	1.5
Z419587	SKO-18/20-8	12.5	19	204	105	30	36	2.9

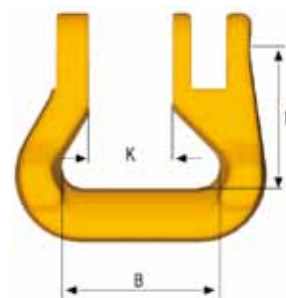


Roundsling coupling SKR

EN 1677-1

Special shape for full WLL of the roundsling.

Art. no.	Code	WLL tonnes*	L	B	K	Weight appr. kgs
Z127840	SKR-7/8-8	2	35	40	18	0.2
Z143143	SKR-10-8	3.2	42	47	24	0.4
Z302538	SKR-13-8	5.4	50	53	29	0.7
Z143240	SKR-16-8	8	62	67	35	1.3
Z143347	SKR-18/20-8	12.5	71	80	43	1.9
Z100057	SKR-22-8	15.5	111	125	50	5.3
Z100055	SKR-26-8	21.6	129	150	58	8.9



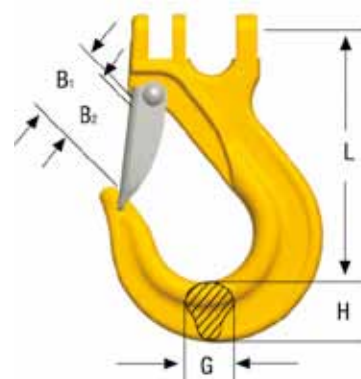
Sling Hook ESKN/SKN with latch

EN 1677-2

Sling Hook ESKH/SKH without latch

EN 1677-2

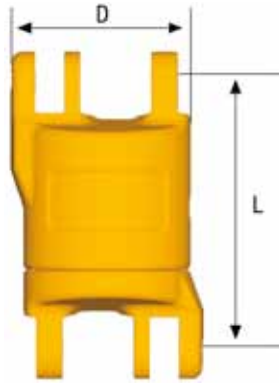
Art. no.	Code	WLL tonnes*	For chain dim. mm	L	B	G	H	Weight appr. kgs
Z424682	SKN-7/8-8	2.0	7, 8	90	27	18	21	0.4
Z424789	SKN-10-8	3.2	10	115	34	23	29	0.8
Z101214	ESKN-13-8	5.4	13	145	42	28	36	1,8
Z100786	ESKN-16-8	8.0	16	178	54	38	43	3.4
Z100781	ESKN-18/20-8	12.5	19	197	59	49	51	5.1
Z425188	SKH-7/8-8	2.0	7, 8	90	32	18	21	0.4
Z425285	SKH-10-8	3.2	10	115	40	23	29	0.8
Z101213	ESKH-13-8	5.4	13	145	51	28	36	1,7
Z100787	ESKH-16-8	8.0	16	178	62	38	43	3.2
Z100780	ESKH-18/20-8	12.5	19	197	67	49	51	4.5



Roller-Bearing Swivel SKLI/SKLU

EN 1677-1

Electrically insulated, lubricated, sealed roller bearing swivel. Fully rotational even at maximum load. Tested to resist 1.000 V. Suitable for protection of overhead cranes during welding operations on suspended loads.

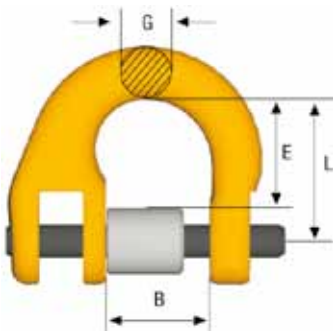


Art. no.	Code	WLL tonnes*	For chain dim. mm	L	D	Weight appr. kgs
Z100316	SKLI-7/8-8	2	7, 8	75	48	0.7
Z100414	SKLI-10-8	3.2	10	97	59	1.3
Z100415	SKLI-13-8	5.4	13	120	75	2.8
Z100416	SKLI-16-8	8	16	137	90	4.6
Z100417	SKLI-18/20-8	12.5	19	159	104	7.3
RS16520	SKLU-22-8*	15.5	22	160	109	9.2
RS16530	SKLU-26-8*	21.6	26	207	135	18.3

* Uninsulated

Half-link SKT (incl. locking set)

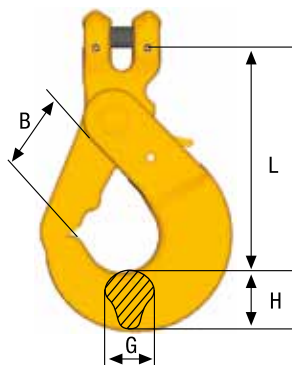
EN 1677-1



Art. no.	Code	WLL tonnes*	For chain dim. mm	L	B	G	E	Weight appr. kgs
Z426286	SKT-7/8-8	2	7, 8	28	18	9	22	0.1
Z426383	SKT-10-8	3.2	10	34	25	12	26	0.2
Z426480	SKT-13-8	5.4	13	44	30	15	33	0.4
Z426587	SKT-16-8	8	16	52	36	19	40	0.6
Z426684	SKT-18/20-8	12.5	19	63	43	22	48	1.1
Z100225	SKT-22-8	15.5	22	76	50	24	60	1.7
Z100226	SKT-26-8	21.6	26	80	58	29	61	2.6
Z100227	SKT-32-8	32	32	100	70	36	78	4.9

Container Hook BKGC

EN 1677-3



Art. no.	Code	WLL tonnes*	For chain dim. mm	L	B	G	H	Weight appr. kgs
Z100240	BKGC-13-8	5.4	13	164	55	27	43	3.2
Z100242	BKGC-16-8	8	16	160	55	27	43	3.4

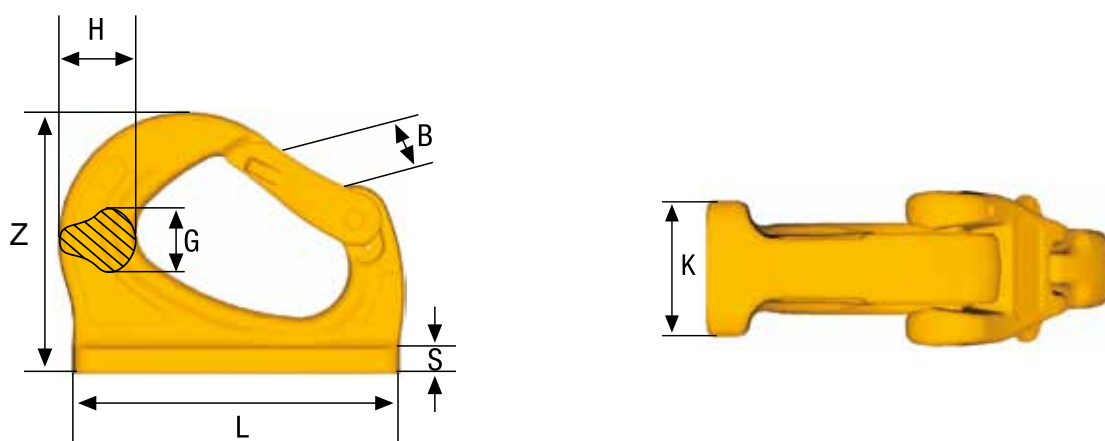
(Spare part: RDOBK-16 to both sizes)

Universal Weld-On Hook UKN

Art. no.	Code	WLL tonnes**	B	G	H	K	L	S	Z	Weight appr. kgs
Z1002560	UKN-0,75*	0.75	20	13	20	19	81.5	5	56	0.2
Z6511810	UKN-1*	1	27	17	25	25	95	6	72	0.6
Z7009060	UKN-2*	2	33	20	30	30	114	8	86	0.9
Z6455730	UKN-3	3	30	23	32	35	132	10	105	1.3
Z6521160	UKN-4	4	30	29	38	42	140	11	114	2.0
Z6455800	UKN-5	5	34	30	47	45	165	12	131	3.2
Z6515390	UKN-8	8	34	40	51	50	172	13	133	3.6
Z6456030	UKN-10	10	47	43	58	55	220	14	170	8.2
Z1007850	UKN-15	15	55	50	67	60	240	15	188	9.8

* Welding plate slightly curved

** Safety factor 5:1



If welding on to an excavator or its accessories we recommend that when necessary the working load limit is reduced, to meet legislative requirements. Please contact your distributor for further information.

WLL tonnes Grade 8 Classic

EN 818-4:1996

1-leg		2-leg		3-leg & 4-leg		Choked endless sling
Chain dim. mm		β 0-45° α 0-90°	β 45-60° α 90-120°	β 0-45° α 0-90°	β 45-60° α 90-120°	
6	1.12	1.6	1.12	2.36	1.7	1.8
7	1.50	2.12	1.5	3.15	2.24	2.5
8	2.0	2.8	2.0	4.25	3.0	3.15
10	3.15	4.25	3.15	6.7	4.75	5.0
13	5.3	7.5	5.3	11.2	8.0	8.5
16	8.0	11.2	8.0	17.0	11.8	12.5
19	11.2	16.0	11.2	23.6	17.0	18.0
22	15.0	21.2	15.0	31.5	22.4	23.6
26	21.2	30.0	21.2	45.0	31.5	33.5
32	31.5	45.0	31.5	67.0	47.5	50.0

Safety factor 4:1. Working load limits are based upon equally loaded and disposed sling legs.

Note! Different standards applies for Australia, see page 2:48 - 2:49 for further information.

Rules for Correct WLL

Where choke hitch is employed the WLL of the chain sling should be reduced by 20 % (unless the LK choker hook is used).

Asymmetrical Loading Conditions

For unequally loaded chain slings, the following approach to permissible loads is recommended:

- A two-legged system is treated as a single-legged system.
- A three- or four-legged system is treated as a two-legged system.

Chain Sling Type Examples

2



Type: 1-G-OBK



Type: 1-G-EKN



Type: 2-G-OBK



Type: 2-G-EKN



Type: 3-G-OBK



Type: 3-G-EKN



Type: 4-G-OBK

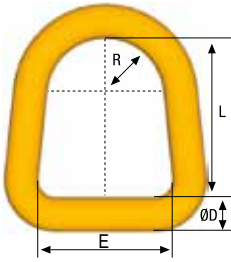


Type: 4-G-EKN



Type: 4-G-S

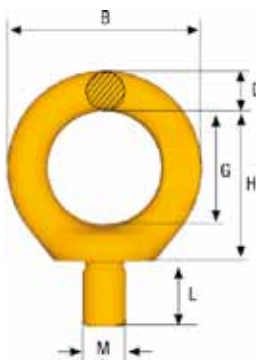
Master Link D



Art. no.	Code	WLL tonnes*	E	D	L	R	Weight appr. kgs
Z700877	D-14-8	2.5	55	14	65	24	0.4
Z700878	D-17-8	4	64	17	62	29	0.5
Z700880	D-22-8	8	76	22	90	33	1

The loadbearing width must be at least 0.5 x E

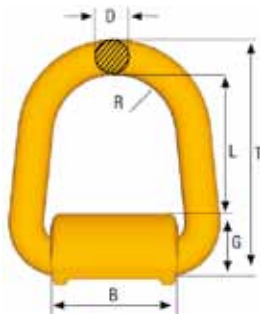
Eye Lifting Point ELP



Art. no.	Code	WLL tonnes*	B	D	G	H	L	M	Weight appr. kgs
Z100434	ELP-16-8	1**	72	16	42	55	24	M16	0.4
Z100435	ELP-20-8	1**	72	16	42	58	30	M20	0.4
Z100436	ELP-24-8	2**	88	19	48	69	36	M24	0.9
Z100437	ELP-30-8	3**	106	22	60	84	45	M30	1.4

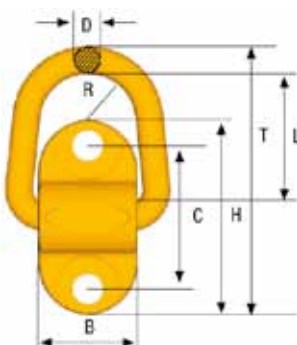
** In case of 1-leg application where loading is limited to straight loading in the direction of thread (no bending force) it is possible to use ELP with four times higher WLL. Note! Threaded depths need to be at least 1xM for steel, 1,25xM for cast iron and 2xM for aluminium alloy.

Weldable Lifting Point WLP



Art. no.	Code	WLL tonnes*	B	D	G	L	R	T	Weight appr. kgs
Z700900	WLP-1T	1	50	14	27	53	24	95	0.5
Z700901	WLP-3T	3	58	17	34	48	29	97	0.8
Z700902	WLP-5T	5	64	22	41	73	33	135	1.8

Screw-on Lifting Point SLP

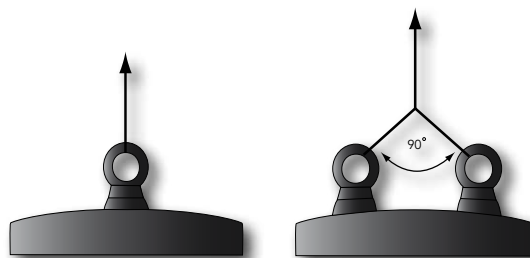
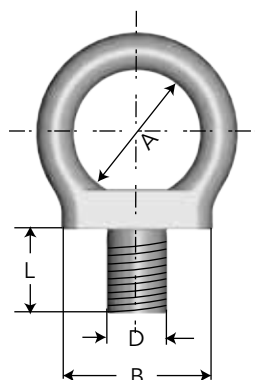


Art. no.	Code	WLL tonnes*	B	C	D	H	L	M	T	R	Weight appr. kgs
Z700903	SLP-1T	1	50	72	14	98	55	M14	139	24	0.8
Z700904	SLP-3T	3	58	84	17	114	50	M16	144	29	1.3
Z700905	SLP-5T***	5	64	116	22	160	74	M20	203	33	2.6

*** Can be supplied with spring for stay up function

Eye Bolt Metric

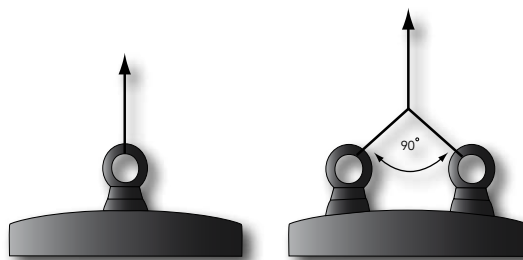
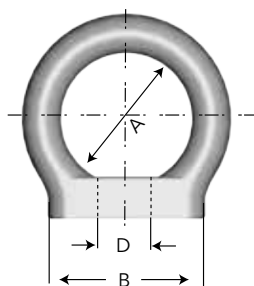
Normalized DIN 580
Safety factor: 4:1



Art. no.	Thread D	WLL kgs		Measurement, mm			Weight appr. kgs/100 pcs	Note!	Pack. size
		1. Eye axial	2. Eye 90°	A	B	L			
G006754080	M 8	140	95	20	20	13	5.7		50
G006754100	M 10	230	170	25	25	17	10.7		50
G006754120	M 12	340	240	30	30	20.5	18		50
G006754160	M 16	700	500	35	35	27	28	Hot dip galv.	25
G006754200	M 20	1200	830	40	40	30	44.4		10
G006754240	M 24	1800	1270	50	50	36	73.5		10
G006754300	M 30	3600	2600	60	65	45	166		
G006754360	M 36	5100	3700	70	75	54	265		
G006754420	M 42	7000	5000	80	85	63	403		
G006754480	M 48	8600	6100	90	100	68	638	Self colour	
G006754640	M 64	16000	11000	208	206	90	999		

Eye Nut Metric

Normalized DIN 582
Safety factor: 4:1



Art. no.	Thread D	WLL kgs		Measurement, mm		Weight appr. kgs/100 pcs	Note!	Pack. size
		1. Eye axial	2. Eye 90°	A	B			
G006755080	M 8	140	95	20	20	4.9		50
G006755100	M 10	230	170	25	25	9.3		50
G006755120	M 12	340	240	30	30	15.6		50
G006755160	M 16	700	500	35	35	23.8	Hot dip galv.	25
G006755200	M 20	1200	830	40	40	36		10
G006755240	M 24	1800	1270	50	50	71.8		10
G006755300	M 30	3600	2600	60	65	132		
G006755360	M 36	5100	3700	70	75	208		
G006755420	M 42	7000	5000	80	85	311	Self colour	
G006755640	M 64	16000	11000	206	120	930		

Working Load Limits (tonnes) for ELP / WLP / SLP






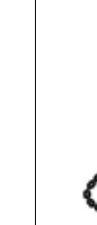


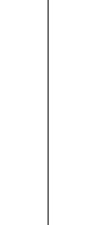
Typ	WLL tonnes*	2-leg		3- and 4-leg	
		α 0-90° β 0-45°	α 90-120° β 45-60°	α 0-90° β 0-45°	α 90-120° β 45-60°
ELP-16-8	1**	1.4	1	2.1	1.5
ELP-20-8	1,5**	2.1	1.5	3.2	2.3
ELP-24-8	2**	2.8	2	4.2	3
ELP-30-8	3**	4.2	3	6.3	4.5
ELP-36-8	4**	5.6	4	8.4	6
WLP-1T	1	1.4	1	2.1	1.5
WLP-3T	3	4.2	3	6.3	4.5
WLP-5T	5	7	5	10.5	7.5
SLP-1T	1	1.4	1	2.1	1.5
SLP-3T	3	4.2	3	6.3	4.5
SLP-5T	5	7	5	10.5	7.5




**Note! The above loads apply to normal usage and equally loaded legs. For asymmetric loaded chain slings, the following is recommended:

- A two-legged system is rated as a single-legged system.
- A three- or four-legged system is rated as a two-legged system.

Additional information

WLL tonnes Grade 10 GrabiQ in Australia

Sling type	1-leg		1-leg	2-, 3-, and 4-leg straight slings			2-, 3-, and 4-leg reeved slings		
									
Condition of use	Straight	Adjustable	Choke hitch	60°	90°	120°	60°	90°	120°
Load factor	1	1	0.8	1.73	1.4	1	1.3	1.06	0.75
Chain size (mm)									
6	1.5	1.5	1.2	2.6	2.1	1.5	1.95	1.6	1.1
8	2.5	2.5	2.0	4.3	3.5	2.5	3.2	2.6	1.9
10	4.0	4.0	3.2	6.9	5.6	4.0	5.2	4.2	3.0
13	6.7	6.7	5.2	11.2	9.2	6.7	8.5	6.9	4.9
16	10.0	10.0	8.0	17.3	14.1	10.0	13.0	10.6	7.5
20	16.0	16.0	12.8	27.6	22.4	16.0	20.8	16.9	12

Sling type	Basket slings			Endless choke sling	Home pocket loop		
					1-leg	2-, 3- and 4-leg	
Condition of use	60°	90°	120°		α max 30°	60° α max 30°	90° α max 30°
Load factor	1.3	1.06	0.75	1.5	1	1.73	1.4
Chain size (mm)							
6	1.95	1.6	1.1	2.2	1.5	2.6	2.1
8	3.2	2.6	1.9	3.7	2.5	4.3	3.5
10	5.2	4.2	3.0	6.0	4.0	6.9	5.6
13	8.5	6.9	4.9	9.8	6.7	11.2	9.2
16	13.0	10.6	7.5	15.0	10.0	17.3	14.1
20	20.8	16.9	12.0	24.0	-	-	-

WLL tonnes Grade 8 Classic

According to AS 3775.2-2004 (see Note 1)

Diam.	Direct load	Adjustable sling with deration	Reeved sling	Straight sling (see Note 2)		Reeved sling (see Note 2)			Basket hitch (see Note 2)			Reeved sling	
				60°	90°	120°	60°	90°	120°	60°	90°		120°
				Endless sling									
6	1.1	1.1	0.8	1.9	1.6	1.1	1.5	1.2	0.8	1.5	1.2	0.8	1.7
7	1.5	1.5	1.1	2.6	2.1	1.5	2.0	1.6	1.1	2.0	1.6	1.1	2.3
8	2.0	2.0	1.5	3.5	2.8	2.0	2.6	2.1	1.5	2.6	2.1	1.5	3.0
10	3.2	3.2	2.4	5.5	4.5	3.2	4.1	3.4	2.4	4.1	3.4	2.4	4.8
13	5.3	5.3	4.0	9.2	7.5	5.3	6.9	5.6	4.0	6.9	5.6	4.0	8.0
16	8.0	8.0	6.0	13.8	11.3	8.0	10.4	8.5	6.0	10.4	8.5	6.0	12.0
19	11.2	11.2	8.4	19.4	15.8	11.2	14.6	11.9	8.4	14.6	11.9	8.4	16.8
22	15.0	15.0	11.3	26.0	21.2	15.0	19.5	15.9	11.3	19.5	15.9	11.3	22.5
26	21.2	21.2	15.9	36.7	29.9	21.2	27.6	22.5	15.9	27.6	22.5	15.9	31.8
32	31.5	31.5	23.6	54.5	44.4	31.5	41.0	33.4	23.6	41.0	33.4	23.6	47.3

NOTE:

- 1) For engineered lifts, see Clause 7.2(b) in AS 3775.2-2004
- 2) The determination of the angle of the multi-leg sling is the largest included angle at the apex of the configuration.

Shackles & Rigging Screws

Gunnebo Lifting • Commercial • Classic



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