

**PRODUCT INFORMATION**

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**CHAINS & SLINGS****Chain lifting slings**

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# Gunnebo Classic

Complete system of chain lifting slings and connecting devices (components) made from high tensile grade 8 steel. Lift and shift heavy loads with light, robust sling gear.

## Easy

Ready-to-assemble chain lifting slings, no problem for user.

## Variable

Selection of reliable chain shorteners.

## Versatile

Combination possibilities from a wide range of components.

## Unmistakable

Categorization of chain and components within each chain diameter, unmistakable identification owing to BERGLOK chain connector.

## Flexible

Combinable with fibre lifting slings or ropes.

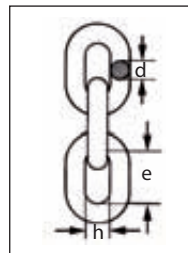
## Accident safe

All components proof loaded to 2.5x WLL after manufacture.

## Round steel chain KL grade 80

Short link for chain lifting slings CLASSIC

Nominal Size = Nominal chain dia. d	Working Load Limit (WLL)	Proof Force	Minimum Breaking Force	Weight	Measurements	
					e	h
mm	t	kN	min. kN	~ kg/m	mm	mm
6	1,1	28,3	43,9	0,80	18	7,8
7	1,5	38,5	61,6	1,1	21	9,1
8	2	50,3	80,4	1,4	24	10,4
10	3,2	78,5	126	2,2	30	13,0
13	5,3	133	212	3,7	39	16,9
16	8	201	322	5,6	48	20,8
18	10	254	407	7,3	54	23,4
19	11	284	454	7,8	57	24,7
20	13	314	503	9,0	60	26,0
22	15	380	608	11	66	28,6
26	21	531	849	15	78	33,8
32	32	804	1290	23	96	41,6



## Rules and standards...

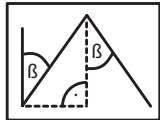
Even if not specifically indicated: Compliance with standards (ISO, EN, DIN) and rules; state of the art technical product properties.



This is just a brief presentation of a whole range of products. Details needed? Ask us. We provide all the information you need.

1t = 1000kg (t = metric ton).

Length of a lifting sling is the usable length when ready for service. It is measured between the bearing points of sling ends/terminations.



The tilt angle  $\beta$  is the largest angle between legs and vertical line. To determine working load limit of sling operation: Multiply applicable mode factor (see table <Lift methods> below) with the WLL value (single leg direct) from the above table. Adapt the mode factors as appropriate for asymmetrical loads.

### Lift Methods

Single Leg		Double Leg				Three- and Fourleg		Endless	
straight	choke	straight	choke	straight	choke	straight	straight	double straight	choke
		$\beta = 0-45^\circ$	$\beta = 0-45^\circ$	$\beta = 45-60^\circ$	$\beta = 45-60^\circ$	$\beta = 0-45^\circ$	$\beta = 45-60^\circ$		

### Mode Factors:

1	0,8	1,4	1,12	1	0,8	2,1	1,5	4	1,6
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**Unmistakable**

Categorisation of chain and fittings within each chain diameter, unmistakable identification owing to BERGLOK chain connector.

**System**



**Components**



**Master link MF**  
Nominal chain dia.  
6 to 22mm (1-leg)  
6 to 20mm (2-leg)  
WLL 1,25 to 25 t



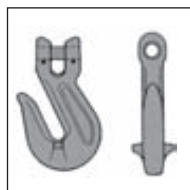
**Foundry hook OKE**  
Nominal chain dia.  
7/8 to 18/20mm  
WLL 2 to 12,5 t



**Master link MTC**  
Nominal chain dia.  
6 to 22mm  
(3 and 4-leg)  
WLL 2,36 to 31,5 t



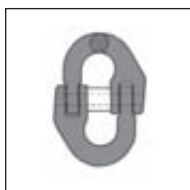
**Berglok chain coupler BL**  
Nominal chain dia.  
6 to 19mm  
WLL 1,12 to 11,2 t



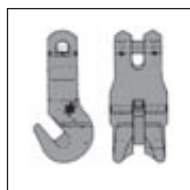
**Grab hook GG**  
Nominal chain dia.  
7/8 to 19/20mm  
WLL 2 to 12,5 t



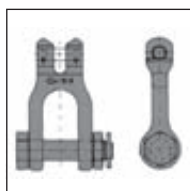
Details on unlabelled components in the chapter 'Rope and chain fittings' or in special catalogue.



**Coupling link G**  
Nominal chain dia.  
6 to 32mm  
WLL 1,12 to 31,5 t



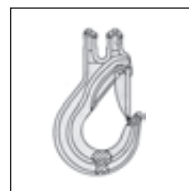
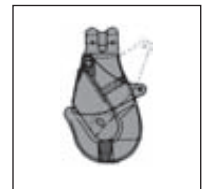
**Shortening clutch GKL**  
Nominal chain dia.  
6 to 16mm  
WLL 1,12 to 8 t



**Clevis shackle GSA**  
Nominal chain dia.  
7/8 to 16mm  
WLL 2 to 8 t



**Swivel latch hook LKN**  
with swivel and safety latch  
Nominal chain dia.  
7/8 to 16mm  
WLL 2 to 8 t



Nominal size of components corresponds to nominal diameter of respective chain in mm. Component types shown only a selection.

# High tensile lifting chains



Previously grade 80...



**Lighter**  
WLL 25% higher than grade 8 allows usage of smaller chains.

**Faster**  
Number of components reduced to minimum. Variable adjustment, easy to shorten and combine.

**Safer**  
Extended identification details for more safety.



Now GrabIQ...

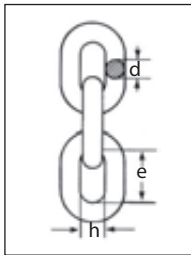


...same performance, less effort



## Round steel chain KL grade 10

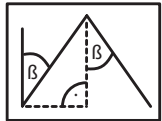
Short link for chain lifting slings GrabIQ



Nominal Size = Nominal chain dia. d	Working Load Limit (WLL)	Proof Force	Minimum Breaking Force	Weight	Measurements	
					e	h
mm	t	kN	kN	~ kg/m	mm	mm
6	1,4	37,5	60	1,0	18	8
8	2,5	62,5	100	1,7	24	11
10	4	100	160	2,6	30	14
13	6,7	168	260	4,5	39	18
16	10	250	400	6,5	48	22
20	16	416	672	9,1	60	29

1t = 1000kg (t = metric ton).

Length of a lifting sling is the usable length when ready for service. It is measured between the bearing points of sling ends/terminations.



The tilt angle  $\beta$  is the largest angle between legs and vertical line. To determine working load limit of sling operation: Multiply applicable mode factor (see table <Lift methods> below) with the WLL value (single leg direct) from the above table. Adapt the mode factors as appropriate for asymmetrical loads.

### Lift Methods

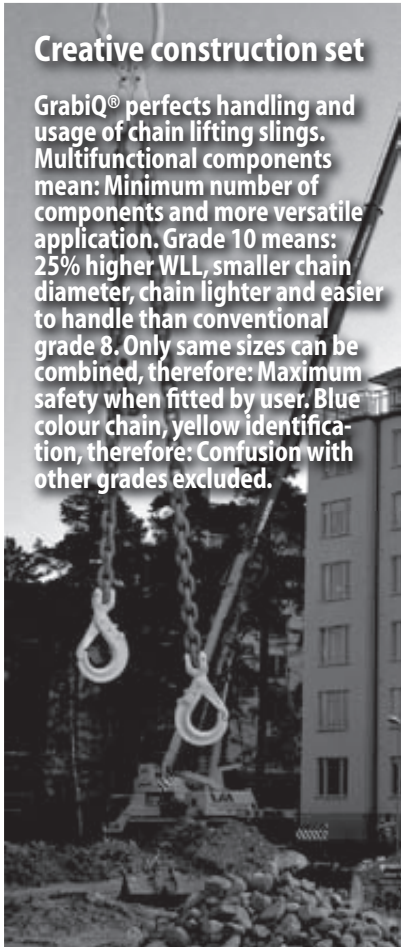
Single Leg		Double Leg				Three- and Fourleg		Endless	
straight	choke	straight	choke	straight	choke	straight	straight	double straight	choke
		$\beta = 0-45^\circ$	$\beta = 0-45^\circ$	$\beta = 45-60^\circ$	$\beta = 45-60^\circ$	$\beta = 0-45^\circ$	$\beta = 45-60^\circ$		

### Mode Factors:

1	0,8	1,4	1,12	1	0,8	2,1	1,5	4	1,6
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**Creative construction set**

GrabiQ® perfects handling and usage of chain lifting slings. Multifunctional components mean: Minimum number of components and more versatile application. Grade 10 means: 25% higher WLL, smaller chain diameter, chain lighter and easier to handle than conventional grade 8. Only same sizes can be combined, therefore: Maximum safety when fitted by user. Blue colour chain, yellow identification, therefore: Confusion with other grades excluded.



**Components**



**Master link MF**  
for 1- bis 4-leg  
Nomial chain dia.  
6 to 16mm  
WLL 2,5 to 25 t



**Master Grab MG**  
for 1-leg  
chain lifting slings  
WLL 1,5 to 10 t



**Master link TG 1**  
1-leg with shortening  
device  
Nominal chain dia.  
6 to 20mm  
WLL 1,5 to 16 t



**Master Grab Duo MGD**  
for 2-leg  
chain lifting slings  
WLL 2,1 to 14 t



**Master link TG 2**  
2-leg with shortening  
device  
Nominal chain dia.  
6 to 20mm  
WLL 2,1 to 22,4 t



**Master link  
assembly TL1**  
1-leg without  
shortening device  
Nominal chain dia.  
6 to 16mm  
WLL 1,5 to 10 t



**Master link TG 3**  
3-leg with shortening  
device  
Nominal chain dia.  
6 to 20mm  
WLL 3,1 to 33,6 t



**Master link  
assembly TL2**  
2-leg without  
shortening device  
Nominal chain dia.  
6 to 16mm  
WLL 2,1 to 14 t



**Master link TG 4**  
4-leg with shortening  
device  
Nominal chain dia.  
6 to 20mm  
WLL 3,1 to 33,6 t



**Master link assembly  
TL3**  
3-leg without  
shortening device  
Nominal chain dia.  
6 to 16mm  
WLL 3,15 to 21 t



**C-Grab CG**  
WLL 1,5 to 10 t



**Master link  
assembly TL4**  
3-leg without  
shortening device  
Nominal chain dia.  
6 to 16mm  
WLL 3,15 to 21 t



**C-Grab Duo CGD**  
WLL 2,1 to 14 t



**Safety hook BKG**  
WLL 1,5 to 10 t



**Safety hook EGKN**  
WLL 1,5 to 10 t



**C-Lok CL**  
for 2-leg  
chain lifting slings  
WLL 1,5 to 10 t



**C-Lok Duo CLD**  
WLL 2,1 to 14 t

**i MORE...**

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