

Lifting chains, components and steel wire rope slings



 **haklift**  **YOKE**  **KWB**  **JDT**

Lifting chains grade 80, 100, 120 and stainless »

Chain components grade 80, 100, 120 and stainless »

Chain sling assemblies grade 80, 100, 120 and stainless »

Steel wire rope slings »

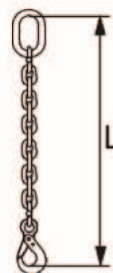
Material/Structure:

Chain slings are to be manufactured from short link chain, either grade 80, 100 or 120. In multiple legged slings every leg has to be the same size and grade. The working load limit (WLL) of every component has to be at least the same as the WLL of the chain. With 3- and 4-legged chain slings, a master link with additional links for 3- and 4-legged assemblies has to be used.

Safety factor: 4 : 1.

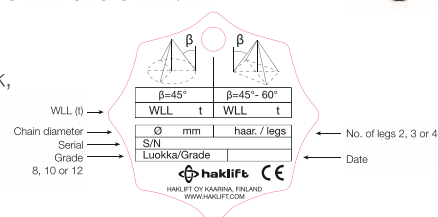
Length tolerance

The nominal length (L) is measured between the lifting points or from the edge of a solid sling. The actual length of each leg of the sling may exceed the nominal length by no more than 2 chain links. The length must not be shorter than the nominal length. The shortest and longest legs of a multiple legged sling, with equal nominal lengths, length difference must not exceed 10 mm if the sling has a nominal length of 2 m or less. In longer slings not more than 5 mm/m, if the sling is assembled with mechanical joints. If welded, the corresponding figures are 6 mm and 3 mm/m.



Marking

Chain slings have a label with manufacturer logo, unique identification mark, working load limit, grade, leg number, nominal size of the chain, date of manufacture and CE marking.



Acid conditions

Grade 80 chain slings must not be used immersed in acid or exposed to acidic gases. For the same reason chain slings must not be hot galvanized or coated without the manufacturer's permission.

Chemical effects

If the chain slings are simultaneously exposed to both high-strength chemicals and high temperatures, you should ask for more instructions from the manufacturer.

Dangerous conditions

Particularly hazardous operational situations include offshore functions, lifting people and dangerous loads such as molten metal, corrosive materials and nuclear material. In these cases the risk assessment should be given to an expert who defines the WLL.

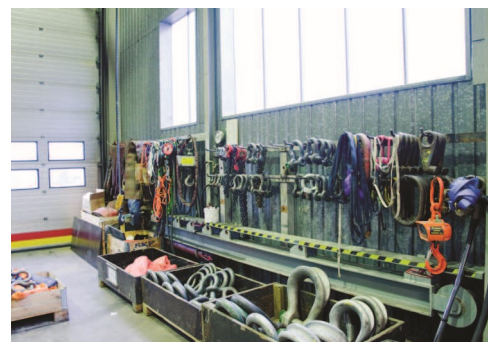
Before starting

Prior to the use, check that:

- the chain sling is in accordance with the order
- there is a certificate
- the identification and WLL markings are same as in the certificate
- the equipment is marked in the inspection report
- it is appropriate for that particular lifting

Storing the chain slings

When the chain slings are not in use, they must be kept in a rack suitable for this purpose, not on the ground or on the floor where they may be damaged. If the chain sling is left to hang on the crane hook, its legs has to be attached to the master link so that they cannot swing or jam anywhere to cause danger. If there is a long interruption in the use of the chain sling, they must be cleaned, dried and protected from corrosion, for example by oiling them



The effect of temperature on the WLL

Grade	WLL % of the nominal load			
	Temperature °C			
	-40 - (+)200	201 - 300	301 - 400	401 >
80	100%	90%	75%	not allowed

Grade	WLL % of the nominal load	
	Temperature °C	
	-29 - (+)205	206 >
100	100%	not allowed

Grade	WLL % of the nominal load	
	Temperature °C	
	-40 - (+)200	201 >
120	100%	not allowed

Grade	WLL % of the nominal load	
	Temperature -40 - (+)400 °C	
Stainless	100%	

Grade 100 chain also available with -30 - (+)380 °C temperature range, ask for more.

Inspection of lifting aids must be done annually. The employer is responsible for that the lifting aids used for lifting work are properly checked and that they comply with the valid regulations.

Annual inspections and maintenance of our customers' lifting aids are part of our daily job.



"Professional inspections guarantee work safety and the maximum productivity of the hardware"

Government Act 403/2008 for the safe use and inspection of machinery and tools used at work obligates that the work equipment must be kept safe to use throughout their life cycle.

The key to security is regular maintenance and upkeep.

The definition of a tool covers all lifting aids:

- e.g. hoists, clamps, lifting magnets
- lifting aid assemblies
- movable lifting aids (e.g. shackles and lifting brackets)

We take care of your lifting equipment throughout the life cycle

- Product inventory and product information administration in our inspection system.
- Reminders under the audit program automatically to the customer.
- The inspection of lifting aids is carried out in accordance with the planned timetable, which ensures minimum interference of the work.
- Our maintenance service repairs the faults found during the inspection - this way the hardware will always be in the same operating condition as new.
- Our inspection service covers all lifting aids available on the market.

LIFTING CHAINS GRADE 80

- short link grade 80 chains
- paint coated
- see operating temperatures on page 2-1
- safety factor 4 : 1
- FS/EN 818-2



Chain size D mm	WLL t	A mm	B mm	Weight kg/m	Product code
6	1,12	18	9	0,80	NK6
7	1,50	22	10	1,10	NK7
8	2,00	24	12	1,35	NK8
10	3,15	30	14	2,15	NK10
13	5,30	39	19	3,50	NK13
16	8,00	48	23	5,50	NK16
20	12,50	60	25	8,40	NK20
22	15,00	66	28	10,35	NK22
26	21,20	78	35	15,80	NK26
32	31,50	96	43	23,00	NK32
36	40,00	108	49	29,00	*NK36
40	50,00	120	54	36,00	*NK40

*Items marked with an asterisk only available as a factory

PRE-PACKED GRADE 80 LIFTING CHAINS



Chain size mm	WLL t	Length m	Weight kg	Product code
6	1,12	50	41,00	NK6VP
8	2,00	40	55,00	NK8VP
10	3,15	30	66,00	NK10VP
13	5,30	20	71,00	NK13VP

LIFTING CHAINS GRADE 80, DACROME

- short link chains
- electro galvanized
- safety factor 4 : 1
- FS/EN 818-2



Chain size D mm	WLL t	A mm	B mm	Weight kg/m	Product code
6	1,12	18	9	0,80	NKES6
8	2,00	24	12	1,35	NKES8
10	3,15	30	14	2,15	NKES10

LIFTING CHAINS GRADE 100

- short link grade 100 chains
- same chain size as grade 80, but approx. 25 % higher WLL
- see operating temperatures on page 2-1
- paint coated
- safety factor 4 : 1



Chain size D mm	WLL t	A mm	B mm	Weight kg/m	Product code
6	1,40	18	9	0,96	NK106
8	2,50	24	11	1,57	NK108
10	4,00	30	14	2,46	NK1010
13	6,70	39	18	4,18	NK1013
16	10,00	48	22	6,28	NK1016
20	16,00	62	25,6	10,10	NK1020
22	19,00	66	30	11,88	NK1022
26	26,50	78	35	16,18	*NK1026

The chain is also available for operating temperatures -30 - (+)380 °C, ask for more.

*Items marked with an asterisk only available as a factory

LIFTING CHAINS GRADE 120

- same chain size as grade 80, but approx. 50 % higher WLL
- see operating temperatures on page 2-1
- paint coated
- safety factor 4 : 1

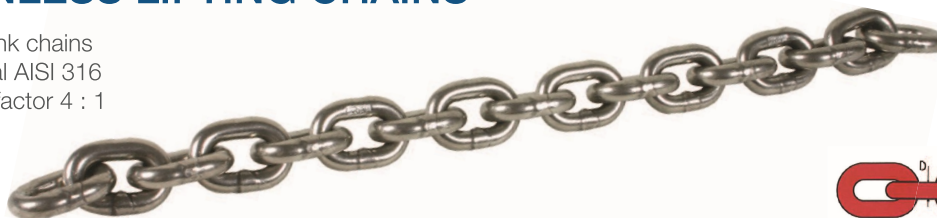


Chain size D mm	WLL t	A mm	B mm	Weight kg/m	Product code
7	2,36	21	9,8	1,33	*NK127
8	3,00	24	11,0	1,69	NK128
10	5,00	30	14,3	2,66	NK1210
13	8,00	39	18,0	4,43	NK1213
16	12,20	48	21,5	6,73	NK1216



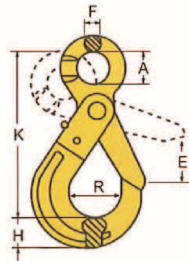
STAINLESS LIFTING CHAINS

- short link chains
- material AISI 316
- safety factor 4 : 1



Chain size D mm	WLL t	A mm	B mm	Weight kg/m	Product code
6	0,90	18,0	8	0,8	NKHK6
8	1,55	24,0	10	1,4	NKHK8
10	2,00	30,0	13	2,2	NKHK10
13	3,20	39,0	17	3,8	NKHK13

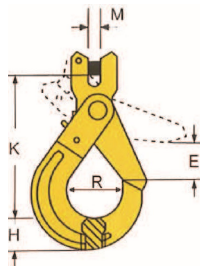
EYE SELF-LOCKING HOOKS



- the hook locks automatically when lifting starts
- paint coated
- safety factor 4 : 1
- EN 1677

For chain mm	WLL t	K mm	H mm	E mm	F mm	R mm	A mm	Weight kg	Product code
6	1,12	110	19	28	10	34	22	0,50	VAK6
7/8	2,00	136	24	34	12	46	25	0,80	VAK78
10	3,15	171	30	44	15	56	32	1,43	VAK10
13	5,30	208	30	52	19,5	69	40	2,86	VAK13
16	8,00	257	50	60	22	86	56	5,64	VAK16
20	12,50	275	55	81	27	100	64	7,60	VAK20
22	15,00	320	67	82	30	98	70	13,00	VAK22
26	21,20	363	75	110	34	110	80	18,00	VAK26
32	31,50	472	97	168	45	166	105	44,50	VAK32

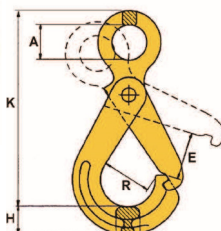
CLEVIS SELF-LOCKING HOOKS



- lifting chain is attached directly to the hook without a connecting link
- the hook locks automatically when lifting starts
- paint coated
- safety factor 4 : 1
- EN 1677

For chain mm	WLL t	K mm	H mm	E mm	M mm	R mm	Weight kg	Product code
6	1,12	95	19	29	8	34	0,5	VAKH6
7/8	2,00	121	24	34	9	46	0,8	VAKH78
10	3,15	146	30	44	12	56	1,5	VAKH10
13	5,30	182	40	52	15	69	2,8	VAKH13
16	8,00	218	50	60	18	86	5,6	VAKH16
20	12,50	240	55	83	25	100	7,5	VAKH20
22	15,00	276	67	88	25	98	11,5	VAKH22

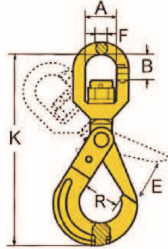
EYE SELF-LOCKING HOOKS WITH GRIP



- a support structure against twisting on the tip of the hook
- the hook locks automatically when lifting starts
- paint coated
- safety factor 4 : 1
- EN 1677

For chain mm	WLL t	K mm	H mm	E mm	R mm	A mm	Weight kg	Product code
7/8	2,00	163	21	34	40	25	0,75	VAKKT78
10	3,15	201	26	42	50	32	1,20	VAKKT10
13	5,30	243	31	50	60	40	2,00	VAKKT13
16	8,00	298	39	60	70	50	4,10	VAKKT16

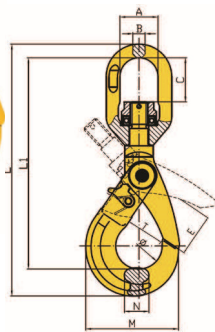
EYE SELF-LOCKING HOOKS WITH SWIVEL



- the hook locks automatically when lifting starts
- swivel structure allows the hook to rotate
- paint coated
- safety factor 4 : 1
- EN 1677

For chain mm	WLL t	K mm	E mm	B mm	F mm	R mm	A mm	Weight kg	Product code
6	1,12	170	29	22	11	34	32	0,71	VAKL6
7/8	2,00	210	34	26	12	46	35	1,10	VAKL78
10	3,15	247	44	34	15	56	42	2,00	VAKL10
13	5,30	302	52	38	16	69	50	4,00	VAKL13
16	8,00	383	60	55	21	86	61	7,30	VAKL16
20	12,50	418	83	61	26	100	72	11,60	VAKL20

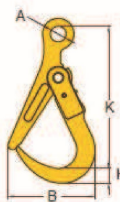
EYE SELF-LOCKING HOOKS WITH BALL BEARING SWIVEL



- the hook locks automatically when lifting starts
- the hook rotates easily also with full load
- paint coated
- safety factor 4 : 1
- EN 1677

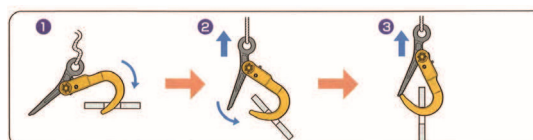
For chain mm	WLL t	A mm	B mm	C mm	L1 mm	L mm	T mm	E mm	M mm	N mm	Ø mm	Weight kg	Product code
6	1,12	32	11	34	160	194	28	32	70	15	34	0,71	VAKL6KL
7/8	2,00	36	13	40	202	240	35	39	88	20	44	1,1	VAKL78KL
10	3,15	42	16	48	237	283	45	48	108	26	58	2,0	VAKL10KL
13	5,30	50	17	58	282	343	52	65	134	33	70	4,0	VAKL13KL
16	8,00	61	22	60	342	419	63	65	169	38	86	7,3	VAKL16KL
20	12,50	76	27	75	400	483	86	85	186	50	97	11,6	VAKL20KL
22	15,00	97	33	97	466	564	76	80	202	52	98	16,0	VAKL22KL
26	21,20	123	42	115	544	661	96	125	244	60	110	21,5	VAKL26KL
32	31,50												VAKL32KL

SUPER SELF-LOCKING HOOKS



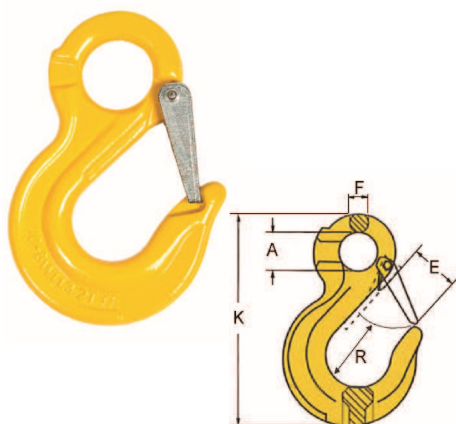
- wide self-locking safety hooks
- perfect for e.g. handling large bags, as well as lifting items and equipment which can be lifted directly from their holes
- paint coated
- safety factor 4 : 1
- EN 1677

WLL kg	A mm	B mm	C mm	D mm	H mm	K mm	T mm	Weight kg	Product code
2000	32	177	41	16	30	290	29	3,5	VAK2SUPER
3000	32	177	41	16	30	290	29	3,5	VAK3SUPER



EYE SLING HOOKS WITH LATCH

- hooks with spring-loaded safety latch
- paint coated
- safety factor 4 : 1
- EN 1677

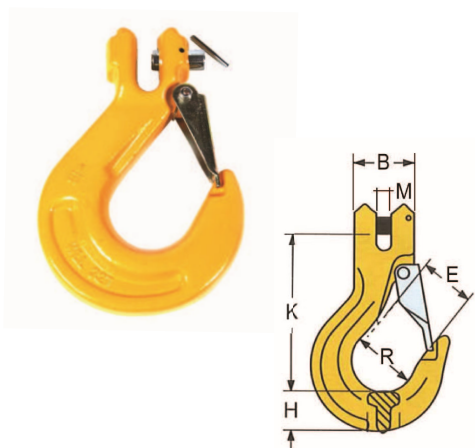


For chain mm	WLL t	K mm	E mm	F mm	R mm	A mm		Product code
6	1,12	108	24	9	21	20	0,30	SALK6
7/8	2,00	133	30	11	26	25	0,40	SALK78
10	3,15	167	34	15	39	38	0,90	SALK10
13	5,30	213	39	19	54	43	1,70	SALK13
16	8,00	255	46	23	64	50	3,20	SALK16
20	12,50	305	40	24	80	62	5,80	SALK20
22	15,00	348	71	32	80	62	8,50	SALK22
26	21,20	394	81	35	82	64	13,00	SALK26
32	31,50	480	102	37	112	68	17,00	SALK32
36	40,00	n.530	109	-	-	72	32,30	*SALK36
40	50,00	n.580	124	-	-	84	47,00	*SALK40

*Items marked with an asterisk delivery time 4-5

CLEVIS SLING HOOKS WITH LATCH

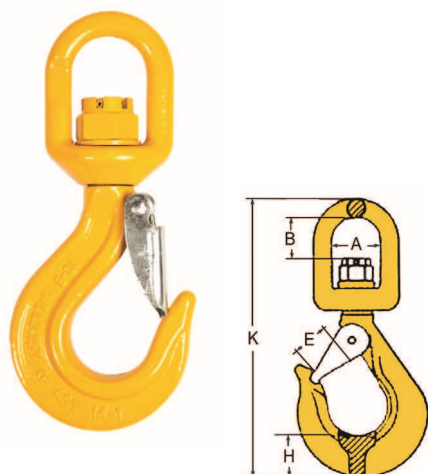
- lifting chain is attached directly to the hook without a connecting link
- paint coated
- safety factor 4 : 1
- EN 1677



For chain mm	WLL t	K mm	H mm	E mm	M mm	R mm	B mm	Weight kg	Product code
6	1,12	76	23	26	8	35	32	0,32	SALKH6
7/8	2,00	85	32	29	9,5	37	37	0,48	SALKH78
10	3,15	104	35	32	13	46	49	0,95	SALKH10
13	5,30	128	42	27	16	56	56	1,80	SALKH13
16	8,00	150	54	55	21	60	70	3,40	SALKH16
20	12,50	180	58	61	24	79	77	6,00	SALKH20

EYE SLING HOOKS WITH LATCH AND SWIVEL

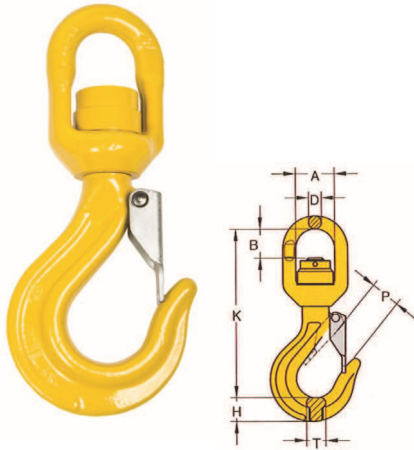
- the hook can be rotated to the desired position prior to lifting
- paint coated
- safety factor 4 : 1
- EN 1677



For chain mm	WLL t	K mm	E mm	A mm	B mm	Weight kg	Product code
6	1,12	170	22	32,5	22	0,34	SALKL6
7/8	2,00	210	27	35,5	26	0,85	SALKL78
10	3,15	247	32	42	34	1,54	SALKL10
13	5,30	302	40	50	38,5	3,40	SALKL13
16	8,00	382	45	61	55	5,36	SALKL16
20	12,50	418	49	72	61	7,40	SALKL20
22	15,00	527	54	95	95	10,60	SALKL22
26	21,20	610	81	122	115	21,40	SALKL26

EYE SLING HOOKS WITH LATCH AND BALL BEARING SWIVEL

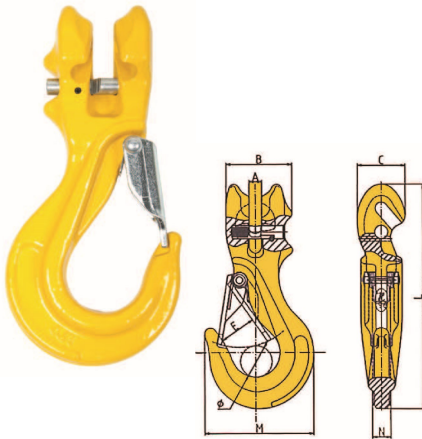
- the hook rotates easily also with full load
- powder paint coated
- safety factor 4 : 1
- EN 1677



For chain mm	WLL t	K mm	P mm	B mm	A mm	D mm	T mm	H mm		Product code
6	1,12	149	29	22	31	12	15	19	0,70	SALKL6KL
8	2,00	186	34	29	36	14	20	24	1,20	SALKL78KL
10	3,15	220	44	34	40	16	26	30	2,00	SALKL10KL
13	5,30	267	52	43	46	22	30	39	4,20	SALKL13KL
16	8,00	328	60	50	60	24	36	49	7,30	SALKL16KL
20	12,50	388	90	82	75	26	48	62	11,70	SALKL20KL

SLING HOOKS WITH LATCH AND SHORTENING CLUTCH

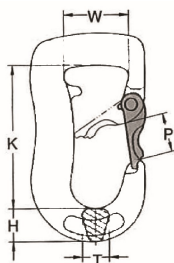
- lifting chain is attached directly to the hook without a connecting link and it can be removed quickly
- the hook can be used to replace a grab hook
- paint coated
- safety factor 4 : 1
- EN 1677



For chain mm	WLL t	A mm	B mm	C mm	E mm	M mm	N mm	L mm	Ø mm	Weight kg	Product code
6	1,12	8	40	29	20	66	11	136	17	0,5	SALKH6TK
7/8	2,00	10	45	33	27	84	13	172	27	0,9	
10	3,15	12	56	42	33	103	11	215	34	1,7	
13	5,30	15	75	57	40	133	20	258	45	3,4	
16	8,00	18,5	82	72	44	156,7	26,5	305	56	5,57	

WEB SLING HOOKS, GRADE 100

- sling hooks for webbing slings and roundslings
- color coded
- the hook is slid on a belt
- paint coated
- safety factor 4 : 1
- EN 1677

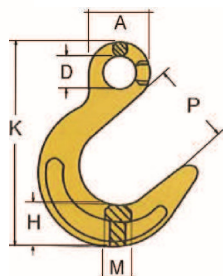


WLL t	K mm	P mm	W mm	T mm	H mm	Weight kg	Product code
1,0	88	25	43	14	20	0,7	JOKERKOU1
2,0	115	30	52	20	26	1,5	JOKERKOU2
3,0	118	32	63	26	32	2,3	JOKERKOU3
5,0	154	43	73	26	38	3,3	JOKERKOU5
6,0	147	43	70	36	40	4,5	*JOKERKOU6
8,0	200	65	105	40	60	9,7	*JOKERKOU8
10,0	200	65	105	40	60	9,7	*JOKERKOU10

*Items marked with an asterisk delivery time 3-4



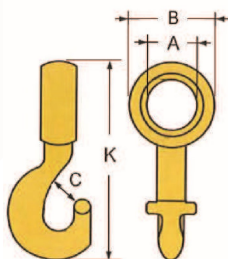
FOUNDRY EYE HOOKS



- wide mouth open hooks for foundry use
- paint coated
- safety factor 4 : 1
- EN 1677

For chain mm	WLL t	P mm	H mm	K mm	D mm	A mm	M mm	Weight kg	Product code
6	1,12	62	29	163	17	39	26	1,00	VAL6
7/8	2,00	63	31	163	18	39	25	1,09	VAL78
10	3,15	76	38	200	22	50	32	2,04	VAL10
13	5,30	89	44	238	27	63	38	3,22	VAL13
16	8,00	102	52	278	32	76	46	5,53	VAL16
20	12,50	114	65	325	38	89	55	8,75	VAL20
22	15,00	127	69	361	45	102	57	11,93	VAL22
26	21,20	140	77	402	67	126	66	16,80	VAL26
32	31,50	153	97	461	81	151	80	26,60	VAL32

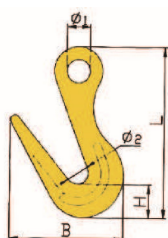
EYE CHOKE HOOKS



- used for choker hitch lifting in automatic choker slings
- paint coated
- safety factor 4 : 1
- EN 1677

For chain mm	WLL t	A mm	B mm	C mm	K mm	Weight kg	Product code
7/8	2,00	30	52	16	123	0,4	LIUA78
10	3,15	39	68	20	156	0,8	LIUA10
13	5,30	52	85	26	195	1,9	LIUA13
16	8,00	64	108	30	246	3,0	LIUA16

FARM HOOK



- for e.g. lifting large bags
- paint coated
- safety factor 4 : 1 / EN 1677

WLL t	Ø1 mm	B mm	Ø2 mm	L mm	H mm	Weight kg	Product code
2,0	35	170	33	254	49	3,1	MKOU2

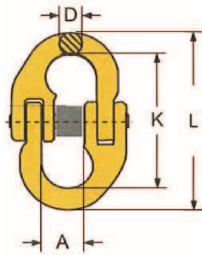
BARREL HOOK



- used in e.g. barrel lifting slings (see page 7-1)
- paint coated
- safety factor 4 : 1
- EN 1677

WLL t	Length mm	Width mm	Eye diameter mm	Weight kg	Product code

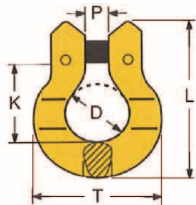
CONNECTING LINKS



- for connecting short link grade 80 chains to different kinds of master links and hooks
- paint coated
- safety factor 4 : 1
- EN 1677

For chain mm	WLL t	L mm	K mm	A mm	D mm		Product code
6	1,12	58	42	15	7	0,08	LL6
7/8	2,00	79	60	18	8	0,146	LL78
10	3,15	90	68	25	11	0,30	LL10
13	5,30	117	87	29	15	0,65	LL13
16	8,00	148	108	34	19	1,15	LL16
20	12,50	154	121	41	24	2,10	LL20
22	15,00	193	141	48	26	2,87	LL22
26	21,20	220	158	57	30	4,50	LL26
32	31,50	281	205	67	37	8,21	LL32

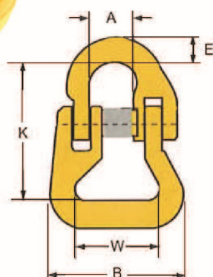
OMEGA LINKS



- used in choker chain slings or instead of a connecting link
- paint coated
- safety factor 4 : 1
- EN 1677

For chain mm	WLL t	T mm	L mm	D mm	K mm	P mm	Weight kg	Product code
7/8	2,00	8	68	23	35	10	0,22	OMEA78
10	3,15	12	81	31	40	12	0,36	OMEA10
13	5,30	15	108	41	54	15	0,71	OMEA13
16	8,00	19	126	49	64	19	1,30	OMEA16

ROUNDSLING AND WEBBING SLING CONNECTORS



- for connecting short link grade 80 chains and components to roundslings and webbing slings
- paint coated
- safety factor 4 : 1
- EN 1677

For chain mm	WLL t	W mm	B mm	A mm	K mm	E mm	Weight kg	Product code
7/8	2,00	40	61	20	63	9	0,30	PRL78
10	3,15	39	66	24	83	11	0,68	PRL10
13	5,30	55	68	28	93	16	1,47	PRL13
16	8,00	65	88	34	120	19	2,30	PRL16
20	12,50	80	108	41	138	23	3,30	PRL20

EYE GRAB HOOKS

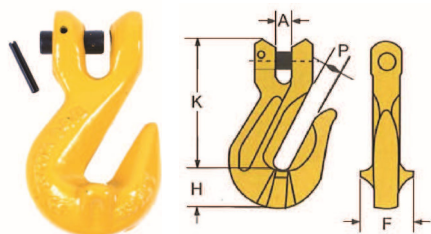
- to be attached to the master link with the same connecting link as the chain
- used for shortening chain legs
- paint coated
- safety factor 4 : 1
- EN 1677



For chain mm	WLL t	A mm	K mm	P mm	Weight kg	Product code
6	1,12	13	51	8	0,14	LYK6
7/8	2,00	18	61,5	10	0,245	LYK78
10	3,15	20	80	13	0,65	LYK10
13	5,30	26	99	16	1,39	LYK13
16	8,00	30	104	20	2,20	LYK16
20	12,50	37	140	25	4,60	LYK20
22	15,00	44	165	28	8,20	LYK22
26	21,20	41	188	30	9,80	LYK26
32	31,50	57	228	38	19,40	LYK32

CLEVIS GRAB HOOKS

- to be attached to the master link with a separate connecting link and chain
- other features same as in hooks listed above
- safety factor 4 : 1
- EN 1677

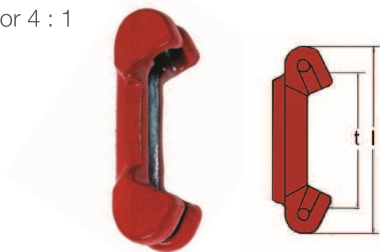


For chain mm	WLL t	A mm	K mm	P mm	F mm	H mm	Weight kg	Product code
7/8	2,00	9	70	11	33	18	0,32	LYKH78
10	3,15	12	97	13	46	29	0,73	LYKH10
13	5,30	15	121	16	57	42	1,60	LYKH13
16	8,00	18	141	19	74	42	2,80	*LYKH16

*Items marked with an asterisk delivery time 2

SHORTENING CLUTCHES, LOOSE MODEL

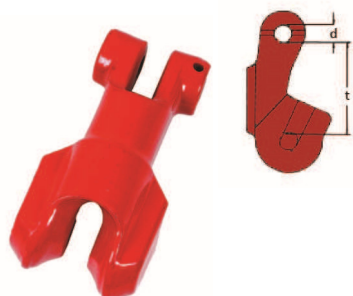
- loose shortening clutch which can be attached to any part of the chain without tools
- paint coated
- safety factor 4 : 1
- EN 1677



For chain mm	WLL t	t mm	l mm	Weight kg	Product code
6	1,00	79	100	0,3	LYKTI6
8	2,00	91	142	0,9	LYKTI8
10	3,20	121	162	1,3	LYKTI10

SHORTENING CLUTCHES, FIXED MODEL

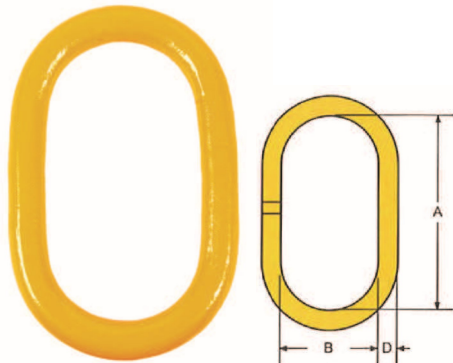
- attachment to the master link with a separate chain, to which the clutch is fixed with a pin
- can be used for normal shortening or for making a loop around the item to be lifted
- paint coated
- safety factor 4 : 1
- EN 1677



For chain mm	WLL t	d mm	t mm	Weight kg	Product code
6	1,00	8	45	0,2	LYKTK6
8	2,00	10	54	0,5	LYKTK8
10	3,20	12	74	0,9	LYKTK10
13	5,30	16	77	1,5	LYKTK13
16	8,00	20	92	2,6	LYKTK16

MASTER LINKS FOR 1- AND 2-LEG CHAIN SLINGS

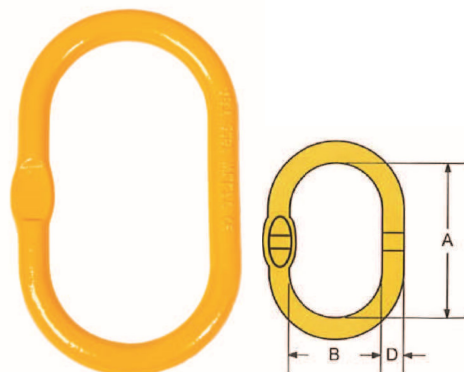
- standard size master links for chain slings
- paint coated
- safety factor 4 : 1
- EN 1677



1-leg For chain mm	2-leg For chain mm	WLL t	A mm	B mm	D mm	Weight kg	Product code
6/7	6	1,6	110	60	13	0,34	NOR76
8	7	2,12	110	60	16	0,53	NOR87
10	8	3,15	135	75	18	0,80	NOR108
13	10	5,3	160	90	22	1,50	NOR1310
16	13	8,0	180	100	26	2,30	NOR1613
18	16	11,2	200	110	32	3,90	NOR1816
20	18	14,0	260	140	36	6,35	NOR2218
22	20	17,0	300	160	40	9,00	NOR2220
26	22	21,2	340	180	45	12,80	NOR2622
32	26	31,5	350	190	50	17,20	NOR3226
36	32	45,0	400	200	56	24,20	NOR3632

MASTER LINKS, EXTRA LARGE / OVERSIZED

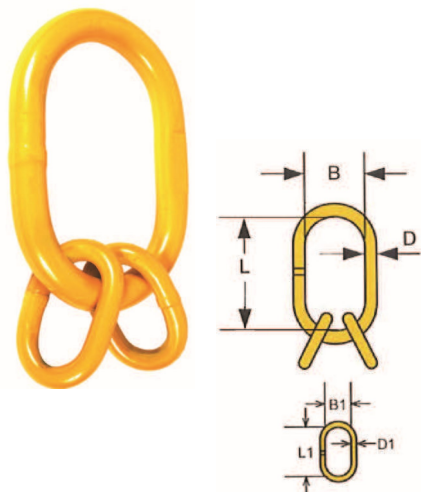
- master links larger than normal for chain slings
- paint coated
- safety factor 4 : 1
- EN 1677



1-leg For chain mm	2-leg For chain mm	WLL t	A mm	B mm	D mm	Weight kg	Product code
10	7/8	3,2	190	100	16	0,86	NOR16B7
13	10	6,4	300	210	25	5,53	NORY025
13	10	7,0	210	110	22	1,83	NOR22B7
16	13	11,0	300	210	32	5,94	NORY032
16	13/16	11,5	270	140	28	3,80	NOR28B7
22	20	17,0	270	140	32	5,05	NOR32B6
22	20	19,0	420	220	38	10,78	NOR38B7
26	22	28,0	270	140	38	7,29	NOR38B6
26	22	27,0	470	250	45	17,06	NOR45B7
36	32	45,0	380	200	50	17,65	NOR50B6
36	32	65,0	430	220	60	28,85	NOR60B6

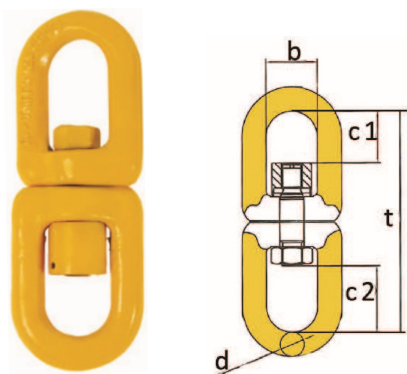
MASTER LINK ASSEMBLIES FOR 3- AND 4-LEG CHAIN SLINGS

- used for assembling 3- and 4-leg chain slings
- paint coated
- safety factor 4 : 1
- EN 1677



3/4-leg For chain mm	WLL t	L mm	B mm	D mm	B1 mm	D1 mm	L1 mm	Weight kg	Product code
6	2,4	135	75	18	25	14	54	1,2	NRLI6
7/8	4,3	160	90	22	34	16	70	2,2	NRLI78
10	6,7	180	100	26	40	18	85	3,4	NRLI10
13	11,2	200	110	32	50	22	115	6,0	NRLI13
16	17,0	260	140	36	65	26	140	10,0	NRLI16
20	26,5	350	190	51	70	32	150	23,3	NRLI20
22	32,0	350	190	51	75	36	170	25,9	NRLI22
26	45,0	400	200	57	80	40	170	35,2	NRLI26
32	67,0	460	250	72	190	49	357	67,6	NRLI32

LIFTING SWIVELS WITH BALL BEARING, EYE / EYE

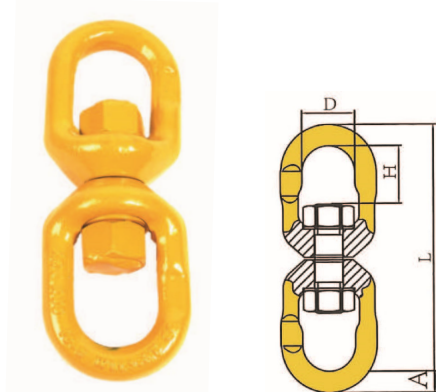


- duration lubricated, easily rotating swivels for use with lifting chains
- rotates easily also with full load
- large eye / eye ends
- paint coated
- safety factor 4 : 1 / EN 1677

For chain mm	WLL t	b mm	c1 mm	c2 mm	d mm	t mm	Weight kg	Product code
6	1,12	32	33	33	6	126	0,61	*LEIK6SS
7/8	2,0	37	40	40	14	153	1,07	LEIK78SS
10	3,2	39	35	65	19	168	1,50	LEIK10SS
13	5,0	61	65	100	28	258	3,40	LEIK13SS
16	8,2	73	67	67	17	281	6,44	*LEIK16SS

*Items marked with an asterisk delivery time 1-2

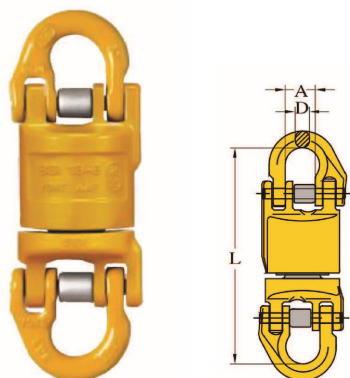
LIFTING SWIVELS, EYE / EYE



- rotating swivels with sliding surface for use with lifting chains
- can be rotated to desired position prior to lifting
- large eye / eye ends
- paint coated
- safety factor 4 : 1 / EN 1677

For chain mm	WLL t	A mm	D mm	H mm	L mm	Weight kg	Product code
7/8	2,0	12	35	28	164	0,60	LEILIU78SS
10	3,2	15	42	34	194	1,50	LEILIU10SS
13	5,0	18	50	43	216	1,75	LEILIU13SS
16	8,0	21	61	56	289	4,52	LEILIU16SS

BALL BEARING SWIVELS, EYE / EYE, ELECTRICALLY INSULATED



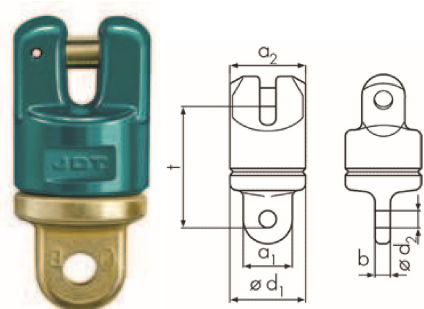
- small, duration lubricated, easily rotating swivels for use with lifting chains
- connecting link / connecting link ends
- paint coated
- safety factor 4 : 1 / EN 1677

YOKE
 Safety is our first priority™

For chain mm	WLL t	A mm	D mm	L mm	Weight kg	Product code
7/8	2,0	18	9	131	0,7	LEIK78LL
10	3,15	25	11	162	1,5	LEIK10LL
13	5,3	30	16	214	3,2	LEIK13LL
16	8,0	36	19	243	5,4	LEIK16LL
20	12,5	42	22	285	9,0	*LEIK20LL

*Items marked with an asterisk delivery time 1-2

BALL BEARING SWIVELS, CLEVIS / EYE, GRADE 100



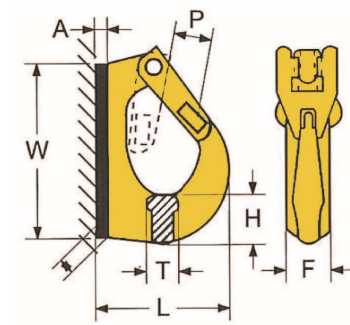
- small, duration lubricated, easily rotating swivels for use with lifting chains
- rotates easily also with full load
- clevis / eye ends
- paint coated / yellow passivated
- safety factor 4 : 1

JDT

For chain mm	WLL t	a1 mm	a2 mm	b mm	Ød1 mm	Ød2 mm	t mm	Weight kg	Product code
6	1,40	20	36	6	36	8	51	0,26	LEIK6SH
8	2,50	26	43	8	41	10	56	0,41	LEIK8SH
10	4,00	35	52	10	51	13	73	0,86	LEIK10SH
13	6,70	43	65	13	59	17	88	1,51	LEIK13SH

EXCAVATOR HOOKS, WELDABLE

- weld-on hooks for excavator dippers, work machines and vehicles
- paint coated
- safety factor 4 : 1 / EN 1677



WLL t	A mm	W mm	P mm	T mm	L mm	H mm	F mm	Weight kg	Product code
2,0	5	80	25	20	94	24	34	0,80	KAKO02
3,0	6	115	30	24	105	30	36	1,20	KAKO03
5,0	10	155	34	28	132	43	44	2,50	KAKO05
8,0	12	160	34	38	135	51	51	3,30	KAKO08
10,0	15	200	50	39	167	55	53	5,20	KAKO10
15,0	14	241	54	45	184	67	61	7,90	KAKO15

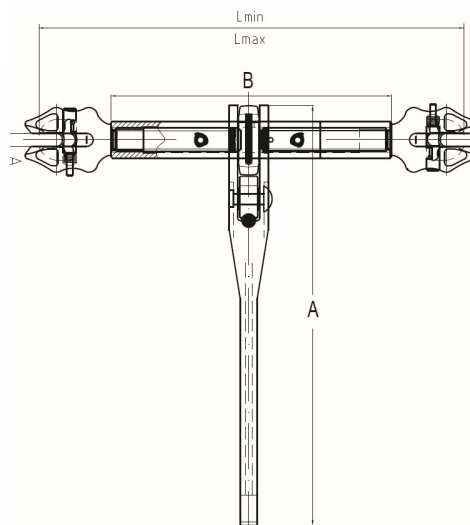
SPARE PART KITS FOR EXCAVATOR HOOKS



Product	Product code
Spare part kit for 1-3 t excavator hook	KAKOKOR02
Spare part kit for 5-8 t excavator hook	KAKOKOR05
Spare part kit for 10 t excavator hook	KAKOKOR10

LOAD BINDER FOR LIFTING AND LASHING

- can be used for lifting and load lashing
- equipped with a chain locking pin
- for short link chains
- paint coated
- safety factor 4 : 1 / EN 1677



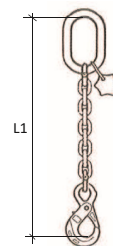
Chain size mm	WLL t	Breaking strength kg	LC kg	L min mm	L max mm	A mm	B mm	Weight kg	Product code
10	3,15	12600	6300	395	555	278	260	3,9	VA10N

1- AND 2-LEG CHAIN SLINGS

- self-locking safety hooks or sling hooks with latch as standard ends
- alternative ends are also available, e.g. foundry hooks, shackles etc.
- slings are equipped with a load plate
- paint coated
- safety factor 4 : 1
- EN 818-4

The last two numbers of the product code refer to the length. When ordering e.g. a 3 m long 2-leg chain sling with a 10 mm chain and safety hooks, the product code is NKV10203. If you want to include shortening/grab hooks in the assembly, the product code is NKV10203L.

Note! The leg length of the chain sling assembly, unless specifically ordered, is as presented (L1) in the image.



1-LEG

Chain size mm	WLL t	Safety hook Product code	Safety hook + Grab hook Product code	Latch hook Product code	Latch hook + Grab hook Product code
6	1,12	NKV06101	NKV06101L	NKS06101	NKS06101L
7	1,50	NKV07101	NKV07101L	NKS07101	NKS07101L
8	2,00	NKV08101	NKV08101L	NKS08101	NKS08101L
10	3,15	NKV10101	NKV10101L	NKS10101	NKS10101L
13	5,30	NKV13101	NKV13101L	NKS13101	NKS13101L
16	8,00	NKV16101	NKV16101L	NKS16101	NKS16101L
20	12,50	NKV20101	NKV20101L	NKS20101	NKS20101L
22	15,00	NKV22101	NKV22101L	NKS22101	NKS22101L
26	21,20	NKV26101	NKV26101L	NKS26101	NKS26101L
32	31,50	NKV32101	NKV32101L	NKS32101	NKS32101L

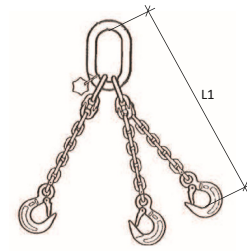
2-LEG

Chain size mm	WLL t 0 - 45° chain angle	WLL t 45 - 60° chain angle	Safety hooks Product code	Safety hooks + Grab hooks Product code	Latch hooks Product code	Latch hooks + Grab hooks Product code
6	1,60	1,12	NKV06201	NKV06201L	NKS06201	NKS06201L
7	2,12	1,50	NKV07201	NKV07201L	NKS07201	NKS07201L
8	2,80	2,00	NKV08201	NKV08201L	NKS08201	NKS08201L
10	4,25	3,15	NKV10201	NKV10201L	NKS10201	NKS10201L
13	7,50	5,30	NKV13201	NKV13201L	NKS13201	NKS13201L
16	11,20	8,00	NKV16201	NKV16201L	NKS16201	NKS16201L
20	17,00	12,50	NKV20201	NKV20201L	NKS20201	NKS20201L
22	21,20	15,00	NKV22201	NKV22201L	NKS22201	NKS22201L
26	30,00	21,20	NKV26201	NKV26201L	NKS26201	NKS26201L
32	45,00	31,50	NKV32201	NKV32201L	NKS32201	NKS32201L



3- AND 4-LEG CHAIN SLINGS

- self-locking safety hooks or sling hooks with latch as standard ends
- alternative ends are also available, e.g. foundry hooks, shackles etc.
- slings are equipped with a load plate
- paint coated
- safety factor 4 : 1
- EN 818-4



The last two numbers of the product code refer to the length. When ordering e.g. a 3 m long 4-leg chain sling with a 10 mm chain and safety hooks, the product code is NKV10403. If you want to include shortening/grab hooks in the assembly, the product code is NKV10403L.

Note! The leg length of the chain sling assembly, unless specifically ordered, is as presented (L1) in the image.

3-LEG



Chain size mm	WLL t 0 - 45° chain angle	WLL t 45 - 60° chain angle	Safety hooks Product code	Safety hooks + Grab hooks Product code	Latch hooks Product code	Latch hooks + Grab hooks Product code
6	2,36	1,70	NKV06301	NKV06301L	NKS06301	NKS06301L
7	3,15	2,24	NKV07301	NKV07301L	NKS07301	NKS07301L
8	4,25	3,00	NKV08301	NKV08301L	NKS08301	NKS08301L
10	6,70	4,75	NKV10301	NKV10301L	NKS10301	NKS10301L
13	11,20	8,00	NKV13301	NKV13301L	NKS13301	NKS13301L
16	17,00	11,80	NKV16301	NKV16301L	NKS16301	NKS16301L
20	26,50	19,00	NKV20301	NKV20301L	NKS20301	NKS20301L
22	31,50	22,40	NKV22301	NKV22301L	NKS22301	NKS22301L
26	45,00	31,50	NKV26301	NKV26301L	NKS26301	NKS26301L
32	67,00	47,50	NKV32301	NKV32301L	NKS32301	NKS32301L

4-LEG



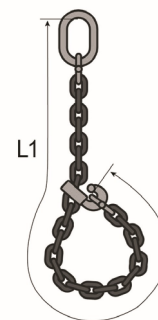
Chain size mm	WLL t 0 - 45° chain angle	WLL t 45 - 60° chain angle	Safety hooks Product code	Safety hooks + Grab hooks Product code	Latch hooks Product code	Latch hooks + Grab hooks Product code
6	2,36	1,70	NKV06401	NKV06401L	NKS06401	NKS06401L
7	3,15	2,24	NKV07401	NKV07401L	NKS07401	NKS07401L
8	4,25	3,00	NKV08401	NKV08401L	NKS08401	NKS08401L
10	6,70	4,75	NKV10401	NKV10401L	NKS10401	NKS10401L
13	11,20	8,00	NKV13401	NKV13401L	NKS13401	NKS13401L
16	17,00	11,80	NKV16401	NKV16401L	NKS16401	NKS16401L
20	26,50	19,00	NKV20401	NKV20401L	NKS20401	NKS20401L
22	31,50	22,40	NKV22401	NKV22401L	NKS22401	NKS22401L
26	45,00	31,50	NKV26401	NKV26401L	NKS26401	NKS26401L
32	67,00	47,50	NKV32401	NKV32401L	NKS32401	NKS32401L

1- AND 2-LEG CHOKER CHAIN SLINGS

- used for choker hitch lifting
- perfect for lifting e.g. pipe bundles, lumber bundles and reinforcement steel
- paint coated
- safety factor 4 : 1
- EN 818-4

The last two numbers of the product code refer to the length. When ordering e.g. a 3 m long 2-leg chain sling with a 10 mm chain and choke hooks, the product code is NKLI10203. If you want to include shortening/grab hooks in the assembly, the product code is NKLI10203L.

Note! The leg length of the chain sling assembly, unless specifically ordered, is as presented (L1) in the image.

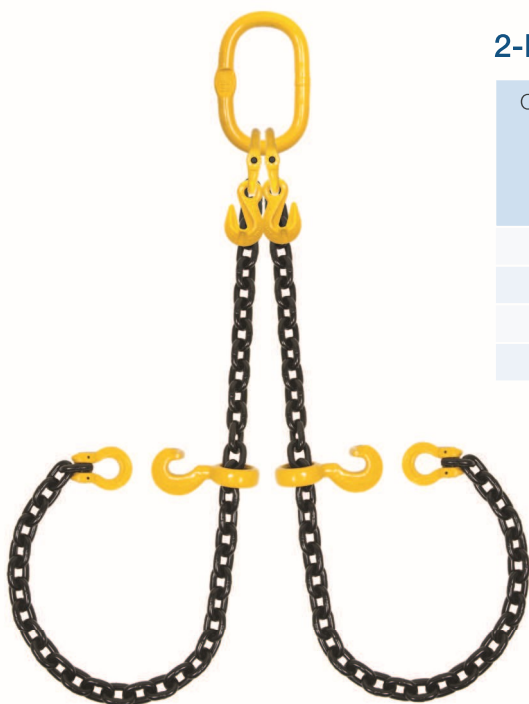


1-LEG

Chain size	WLL	Choke hook	Choke hook + Grab hook
mm	t	Product code	Product code
7	1,2	NKLI07101	NKLI07101L
8	1,6	NKLI08101	NKLI08101L
10	2,5	NKLI10101	NKLI10101L
13	4,2	NKLI13101	NKLI13101L
16	6,3	NKLI16101	NKLI16101L

2-LEG

Chain size	WLL t 0 - 45° chain angle	WLL t 45 - 60° chain angle	Choke hooks	Choke hooks + Grab hooks
mm			Product code	Product code
7	1,7	1,2	NKLI07201	NKLI07201L
8	2,2	1,6	NKLI08201	NKLI08201L
10	3,5	2,5	NKLI10201	NKLI10201L
13	6,0	4,2	NKLI13201	NKLI13201L





Ammattilaisen nosto-, siirto- ja kuormansidontavälineet
Lifting, lashing and material handling products for professionals

8 LUOKKA
GRADE

NOSTOKETJUYHDISTELMIEN SALLITUT TYÖKUORMAT
WORKING LOAD LIMITS FOR CHAIN SLINGS

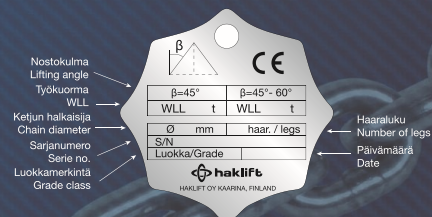
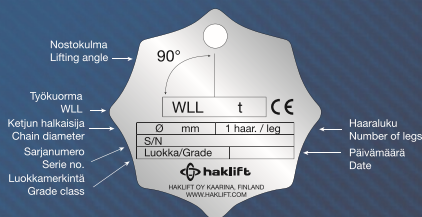
EN 818-4	1-haaraiset / legs	2-haaraiset / legs		3-4-haaraiset / legs			
		Kaltevuuskulma β / Inclination angle β					
		0 - 45°		45 - 60°		0 - 45°	
		Työkuorma / WLL kg					
Ketju / Chain \varnothing mm							
6	1120	1600	1120	2360	1700		
7	1500	2120	1500	3150	2240		
8	2000	2800	2000	4250	3000		
10	3150	4250	3150	6700	4750		
13	5300	7500	5300	11200	8000		
16	8000	11200	8000	17000	11800		
19	11200	16000	11200	23600	17000		
20	12500	17000	12500	26500	19000		
22	15000	21200	15000	31500	22400		
26	21200	30000	21200	45000	31500		
32	31500	45000	31500	67000	47500		
36	40000	56000	40000	84000	60000		
40	50000	70000	50000	105000	75000		
45	63000	88200	63000	132300	94500		
Sallittuja kuormia laskettaessa käytetyt kertoimet / Coefficients used in calculated WLL							
	1,0	1,4	1,0	2,1	1,5		
Kivistävässä nostossa taulukon arvot kerrotaan 0,8:lla / For a thightening lift, the table values are multiplied by 0,8							

Varmuuskerroin / Safety factor 4:1

NOSTOKETJUYHDISTELMIEN KUORMAKILVET
WLL PLATES FOR CHAIN SLINGS

1-haarainen / 1-leg

monihaarainen / 2-4-legs



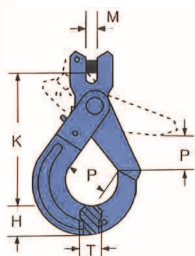
KÄYTTÖLÄMPÖTILAT / OPERATING TEMPERATURES

Työkuorma ilmoitettuna prosentteina työkuormasta The working load limits presented as a percentage of the WLL			
Lämpötila / temperature, t, °C			
-40 < t ≤ 200 °C	200 < t ≤ 300 °C	300 < t ≤ 400 °C	400 °C < t
100%	90%	75%	ei sallittu / not allowed

TARKASTA NOSTOKETJUYHDISTELMÄT SILMÄMÄÄRÄISESTI AINA ENNEN KÄYTTÖÄ
JA TÄYDELLISESTI VÄHINTÄÄN KERRAN VUODESSA.

ALWAYS CHECK LIFTING CHAIN ASSEMBLIES VISUALLY BEFORE USE
AND THOROUGHLY AT LEAST ONCE A YEAR.

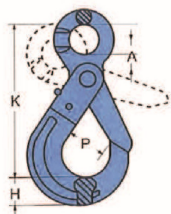
CLEVIS SELF-LOCKING HOOKS



- the hook locks automatically when lifting starts
- lifting chain is attached directly to the hook without a connecting link
- paint coated
- safety factor 4 : 1

For chain mm	WLL t	P mm	M mm	T mm	H mm	K mm	Weight kg	Product code
6	1,4	28	8	15	19	95	0,50	VAKAH106
8	2,5	35	9	20	24	121	0,90	VAKAH1078
10	4,0	45	12	26	28	146	1,60	VAKAH1010
13	6,7	53	15	32	40	182	2,90	VAKAH1013
16	10,0	62	18	38	51	218	5,80	VAKAH1016
20	16,0	76	25	45	55	239	8,60	VAKAH1020
22	19,0	80	25	52	67	280	12,1	VAKAH1022

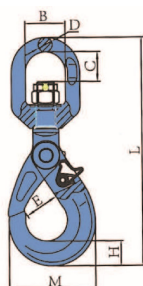
EYE SELF-LOCKING HOOKS



- the hook locks automatically when lifting starts
- paint coated
- safety factor 4 : 1

For chain mm	WLL t	A mm	P mm	H mm	K mm	Weight kg	Product code
6	1,4	21	28	20	110	0,50	VAKA106
8	2,5	27	35	26	137	0,90	VAKA1078
10	4,0	34	45	30	169	1,50	VAKA1010
13	6,7	40	53	40	209	2,70	VAKA1013
16	10,0	50	62	50	254	5,70	VAKA1016
20	16,0	60	76	62	277	7,90	VAKA1020
22	19,0	70	80	66	319	11,20	VAKA1022

EYE SELF-LOCKING HOOKS WITH SWIVEL



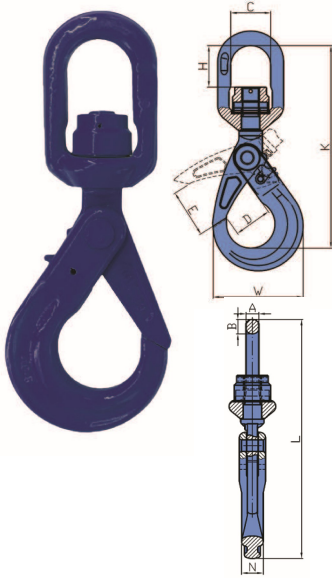
- swivel structure allows the hook to rotate
- can be rotated to desired position prior to lifting
- paint coated
- safety factor 4 : 1

For chain mm	WLL t	B mm	C mm	D mm	E mm	H mm	M mm	L mm	Weight kg	Product code
6	1,4	32	23	11	28	20	70	184	0,60	VAKAL106
8	2,5	36	28	13	35	26	90	229	1,10	VAKAL1078
10	4,0	42	35	15	45	30	108	269	2,00	VAKAL1010
13	6,7	50	40	17	53	40	138	330	4,00	VAKAL1013
16	10,0	61	56	21	62	50	170	413	6,80	VAKAL1016
20	16,0	72	62	26	76	62	192	463	12,50	VAKAL1020
22	19,0	97	95	33	80	63	-	553	19,40	VAKAL1022

Items marked with an asterisk delivery time 1-2

EYE SELF-LOCKING HOOKS WITH BALL BEARING SWIVEL

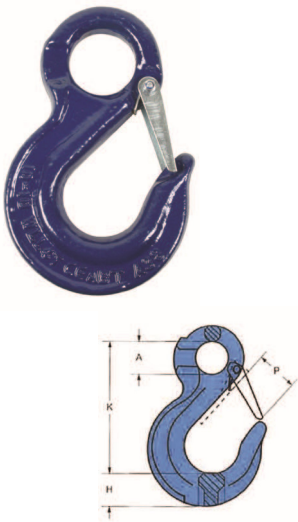
NEW



- the hook locks automatically when lifting starts
- the hook rotates easily also with full load
- paint coated
- safety factor 4 : 1

For chain mm	WLL t	A mm	B mm	C mm	D mm	E mm	N mm	H mm	K mm	L mm	W mm	Weight kg	Product code
6	1,4	11	13	37	27	30	15	32	163	196	70	0,67	
8	2,5	13	15	41	35	40	20	39	202	243	90	1,21	
10	4,0	15	17	48	45	48	26	48	244	289	108	2,2	
13	6,7	17	19	55	52	63	32	57	292	351	138	4,4	
16	10,0	21	26	62	62	75	38	62	346	422	170	7,48	
20	16,0	26	28	76	76	80	50	72	396	487	191	13,75	
22	19,0	33	33	97	97	95	52	97	465	563	208	18,81	

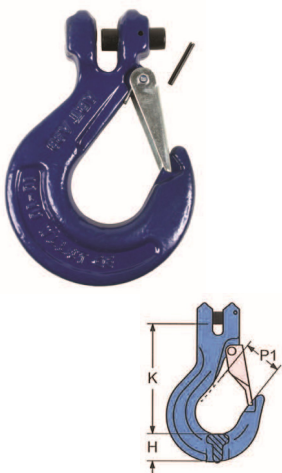
EYE SLING HOOKS WITH LATCH



- extra strong forged safety latch
- paint coated
- safety factor 4 : 1
- connection to the chain with a grade 100 connecting

For chain mm	WLL t	P mm	A mm	K mm	H mm	Weight kg	Product code
6	1,4	18	20	80	21	0,32	SALKA1006
8	2,5	25	25	98	27	0,60	SALKA1078
10	4,0	28	34	120	33	1,20	SALKA1010
13	6,7	38	43	152	43	2,20	SALKA1013
16	10,0	44	50	183	50	3,50	SALKA1016
20	16,0	52	55	217	56	7,15	SALKA1020
22	19,0	66	60	241	62	11,5	SALKA1022

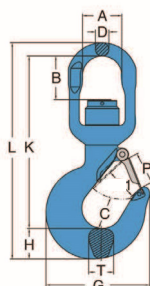
CLEVIS SLING HOOKS WITH LATCH



- like the previous hook, but the lifting chain is attached directly to the hook without a connecting link
- safety factor 4 : 1

For chain mm	WLL t	P1 mm	H mm	K mm	Weight kg	Product code
6	1,4	18	21	75	0,33	SALKAH1006
8	2,5	25	27	85	0,70	SALKAH1078
10	4,0	28	33	104	1,30	SALKAH1010
13	6,7	38	42	128	2,30	SALKAH1013
16	10,0	44	50	150	3,60	SALKAH1016
20	16,0	52	56	180	7,30	SALKAH1020
22	19,0	66	62	213	12,10	SALKAH1022

EYE SLING HOOKS WITH LATCH AND BALL BEARING SWIVEL

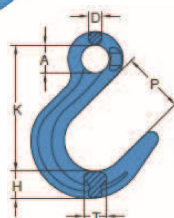
YOKE
NEW


- the hook rotates easily also with full load
- powder paint coated
- safety factor 4 : 1

For chain mm	WLL t	A mm	B mm	C mm	D mm	G mm	H mm	K mm	L mm	T mm		Product code
6	1,4	32	23	25	12	80	21	126	158	18	0,7	SALKAL1006KL
7-8	2,5	36	29	26	13	91	25	143	181	22	0,9	SALKAL1078KL
10	4	41	35	29	16	102	29	196	212	24	1,6	SALKAL1010KL
13	6,7	46	44	38	21	130	36	211	269	31	3,2	SALKAL1013KL
16	10	61	51	49	23	166	46	258	328	42	5,7	SALKAL1016KL
20	16,9	74	82	62	25	196	58	326	409	48	9,6	SALKAL1020KL

Delivery time 1-2

EYE FOUNDRY HOOKS



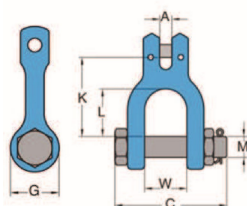
- wide mouth open hooks for foundry use
- paint coated

NEW
YOKE

For chain mm	WLL t	A mm	D mm	H mm	K mm	P mm	T mm	Weight kg	Product code
6	1,4	18	6	22	93	48	17	0,33	VAL1006
7/8	2,5	24	12	27	123	62	19	0,8	VAL1078
10	4,0	32	15	32	149	74	23	1,6	VAL1010
13	6,7	40	19	39	180	88	32	2,6	VAL1013
16	10,0	50	25	47	213	98	41	4,5	*VAL1016
20	16,0	60	26	57	248	113	46	9,3	*VAL1020

*Items marked with an asterisk delivery time 1-2 weeks

CHAIN SHACKLES



- can be attached directly to the lifting chain without a connecting link
- paint coated
- safety factor 4 : 1

NEW
YOKE

For chain mm	WLL t	A mm	C mm	G mm	K mm	L mm	M mm	W mm	Weight kg	Product code
7-8	2,5	9	79	34	59	35	16	33	0,4	SAKSAH1078
10	4,0	11	93	40	78	48	20	37	0,8	SAKSAH1010
13	6,7	14	118	44	98	64	22	49	1,4	SAKSAH1013
16	10,0	18	141	54	112	69	28	60	2,5	SAKSAH1016

EYE GRAB HOOKS

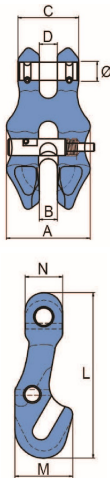


- for shortening chain legs
- attachment to the master link with the same connecting link as the chain
- paint coated
- safety factor 4 : 1

For chain mm	WLL t	P mm	K mm	A mm	Weight kg	Product code
6	1,4	8	71	14	0,20	LYKA1006
8	2,5	10	91	18	0,28	LYKA1008
10	4,0	13	127	22	0,72	LYKA1010
13	6,7	16	163	28	1,60	LYKA1013
16	10,0	19	183	36	2,45	LYKA1016
20	16,0	24	227	43	4,72	LYKA1020
22	19,0	27	260	48	8,20	LYKA1022

SHORTENING CLUTCHES

NEW

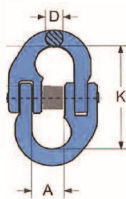


- attachment to the master link with a separate chain, to which the clutch is fixed with a pin
- can be used for normal shortening or for making a loop around the item to be lifted
- equipped with a chain locking pin
- paint coated
- safety factor 4 : 1

For chain mm	WLL t	A mm	B mm	C mm	D mm	M mm	N mm	Ø mm	L mm	Weight kg	Product code
6	1,4	38	7,5	27	7,5	29	16	7,7	73	0,25	LYKATK1006
8	2,5	50	9,5	33	9,5	36	23	9,5	92	0,41	LYKATK1078
10	4,0	60	11,5	43	11,5	45,5	26	13,3	115	0,75	LYKATK1010
13	6,7	79	15	55	15	54	34	16,3	149	1,67	LYKATK1013
16	10,0	98	19	70	19	70	40	19,7	184	4,20	LYKATK1016

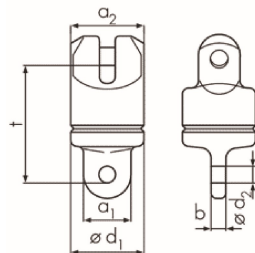
CONNECTING LINKS

- for attaching chain and hooks
- paint coated
- safety factor 4 : 1



For chain mm	WLL t	D mm	K mm	A mm	Weight kg	Product code
6	1,4	7	44	14	0,10	LLA106
8	2,5	10	61	18	0,22	LLA1078
10	4,0	12	72	23	0,45	LLA1010
13	6,7	16	89	27	1,15	LLA1013
16	10,0	21	103	33	1,75	LLA1016
20	16,0	24	116	42	2,70	LLA1020
22	19,0	27	135	48	4,02	LLA1022

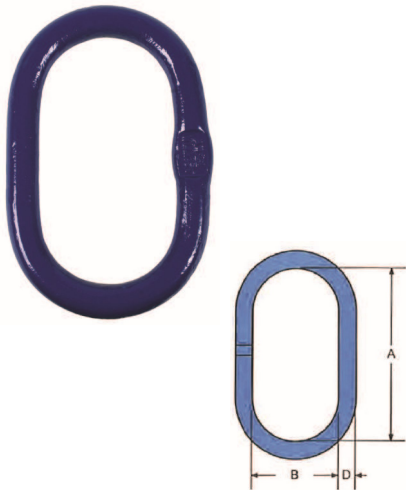
BALL BEARING SWIVELS, CLEVIS / EYE, GRADE 100



- small, duration lubricated, easily rotating swivels for use with lifting chains
- rotates easily also with full load
- clevis / eye ends
- paint coated / yellow passivated
- safety factor 4 : 1

For chain mm	WLL t	a1 mm	a2 mm	b mm	Ød1 mm	Ød2 mm	t mm	Product code	
6	1,40	20	36	6	36	8	51	0,26	LEIK6SH
8	2,50	26	43	8	41	10	56	0,41	LEIK8SH
10	4,00	35	52	10	51	13	73	0,86	LEIK10SH
13	6,70	43	65	13	59	17	88	1,51	LEIK13SH

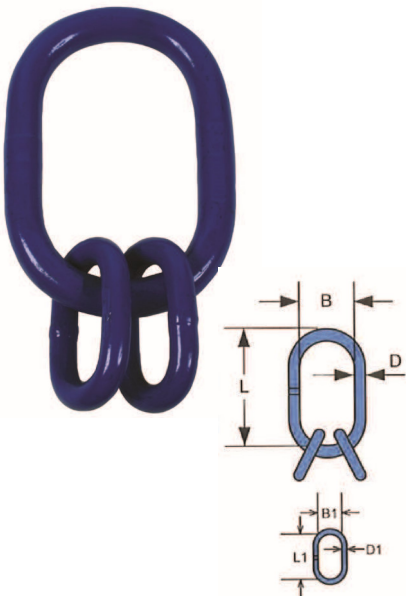
MASTER LINKS FOR 1- AND 2-LEG CHAIN SLINGS



- chain is attached with grade 100 connecting link
- paint coated
- safety factor 4 : 1

1-leg For chain mm	2-leg For chain mm	WLL t	D mm	B mm	A mm	Weight kg	Product code
6	6	2,1	13	60	110	0,3	NORA1076
8	-	3,5	16	60	110	0,5	NORA1087
10	8	5,0	18	75	135	0,9	NORA10108
13	10	7,6	22	90	160	1,6	NORA101310
16	13	10,0	26	100	180	2,4	NORA101613
-	16	14,0	32	110	200	4,0	NORA101816
22	20	25,0	36	140	260	6,3	NORA102220
-	22	30,8	45	175	320	12,0	NORA10222

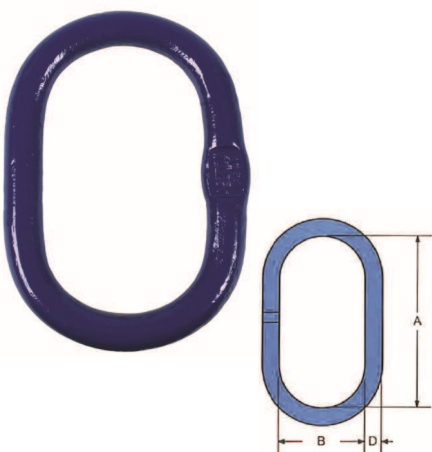
MASTER LINK ASSEMBLIES FOR 3- AND 4-LEG CHAIN SLINGS



- chain is attached with grade 100 connecting link
- paint coated
- safety factor 4 : 1

3-/4-leg For chain mm	WLL t 0 – 45° chain angle	WLL t 45 – 60° chain angle	D mm	B mm	L mm	L+L1 mm	Weight kg	Product code
6	3,15	2,25	18	75	153	207	1,1	NRLIA6
8	5,30	3,75	22	90	182	252	2,2	NRLIA8
10	8,00	6,00	26	100	206	291	3,4	NRLIA10
13	14,00	10,00	32	110	232	347	6,1	NRLIA13
16	21,00	15,00	36	140	296	436	9,9	NRLIA16
20	33,60	24,00	45	180	430	670	26,5	NRLIA20
22	42,00	30,00	50	200	480	800	32,8	NRLIA22

OVERSIZED MASTER LINKS FOR 1- AND 2-LEG CHAIN SLINGS

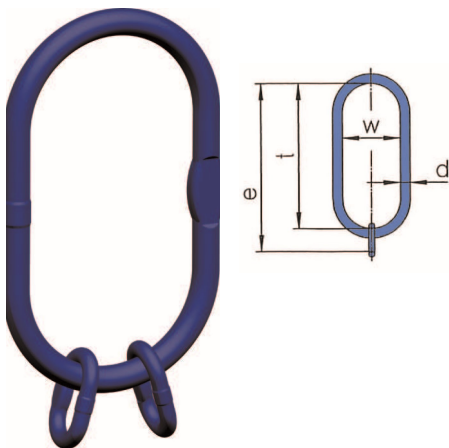


- chain is attached with grade 100 connecting link
- paint coated
- safety factor 4 : 1



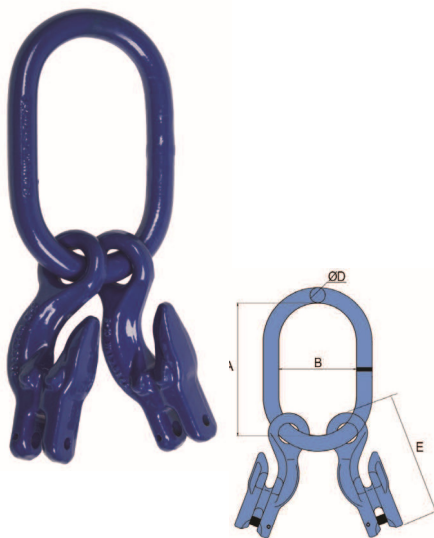
1-leg For chain mm	2-leg For chain mm	WLL t	D mm	B mm	A mm	Weight kg	Product code
8/10	8	4,0	25	180	340	3,7	NORAL10108
13	10	6,7	28	180	340	4,7	NORAL101310
16	13	10,0	34	180	340	7,1	NORAL101613
20	16	16,0	42	180	340	8,9	NORAL102016

OVERSIZED MASTER LINK ASSEMBLIES FOR 3- AND 4-LEG CHAIN SLINGS
KWB
 Safety in action

NEW


- chain is attached with grade 100 connecting link
- paint coated
- safety factor 4 : 1

1-leg For chain	2-leg For chain	WLL	d	t	w	e	Weight	Product code
mm	mm	t	mm	mm	mm	mm	kg	
8	10	5,6	27	340	180	410	5,1	NORYL10108
13	10	9,5	33	340	180	425	8,0	NORYL101013
16	13	14,0	40	340	180	455	12,3	NORYL101316
16	20	21,2	40	340	180	480	13,8	NORYL101620



- chains are attached directly to the grab hooks which are fixed to the master link
- paint coated
- safety factor 4 : 1

NEW

For chain	WLL	D	B	A	E	Weight	Product code
mm	t	mm	mm	mm	mm	kg	
6	2,0	14	70	120	112	1,0	NRLIA6L
8	3,55	17	80	140	145	2,1	NRLIA78L
10	5,6	22	95	160	184	4,2	NRLIA10L
13	9,5	25	110	190	178	7,0	NRLIA13L
16	14,0	32	130	230	216	13,5	NRLIA16L



- chains are attached directly to the grab hooks which are fixed to the master link
- paint coated
- safety factor 4 : 1

NEW

For chain	WLL	D	B	A	E	a	b	d	Weight	Product code
mm	t	mm	mm	mm	mm	mm	mm	mm	kg	
6	3,0	14	75	135	112	54	25	13	2,5	NRLIA46L
8	5,3	17	90	160	145	70	34	16,5	5,1	NRLIA48L
10	8,0	22	100	180	184	85	40	19	9,0	NRLIA410L
13	14,0	25	110	200	178	115	50	23	16,0	NRLIA413L

CHAIN SLINGS WITH SELF-LOCKING HOOKS OR SLINGS HOOKS WITH LATCH

- 1-, 2-, 3- and 4-leg assemblies
- paint coated
- safety factor 4 : 1



	Chain size mm	WLL t chain angle 0 - 45°	WLL t chain angle 45 - 60°	Safety hooks Product code	Safety hooks + Grab hooks Product code	Latch hooks Product code	Latch hooks + Grab hooks Product code
1-leg	6	1,40		NKVE06101	NKVE06101L	NKSE06101	NKSE06101L
	8	2,50		NKVE08101	NKVE08101L	NKSE08101	NKSE08101L
	10	4,00		NKVE10101	NKVE10101L	NKSE10101	NKSE10101L
	13	6,70		NKVE13101	NKVE13101L	NKSE13101	NKSE13101L
	16	10,00		NKVE16101	NKVE16101L	NKSE16101	NKSE16101L
	20	16,00		NKVE20101	NKVE20101L	NKSE20101	NKSE20101L
	22	19,00		NKVE22101	NKVE22101L	NKSE22101	NKSE22101L
2-leg	6	1,96	1,40	NKVE06201	NKVE06201L	NKSE06201	NKSE06201L
	8	3,50	2,50	NKVE08201	NKVE08201L	NKSE08201	NKSE08201L
	10	5,60	4,00	NKVE10201	NKVE10201L	NKSE10201	NKSE10201L
	13	9,50	6,70	NKVE13201	NKVE13201L	NKSE13201	NKSE13201L
	16	14,00	10,00	NKVE16201	NKVE16201L	NKSE16201	NKSE16201L
	20	22,40	16,00	NKVE20201	NKVE20201L	NKSE20201	NKSE20201L
	22	26,60	19,00	NKVE22201	NKVE22201L	NKSE22201	NKSE22201L
3-leg	6	2,94	2,10	NKVE06301	NKVE06301L	NKSE06301	NKSE06301L
	8	5,25	3,75	NKVE08301	NKVE08301L	NKSE08301	NKSE08301L
	10	8,00	5,70	NKVE10301	NKVE10301L	NKSE10301	NKSE10301L
	13	14,00	10,00	NKVE13301	NKVE13301L	NKSE13301	NKSE13301L
	16	21,00	15,00	NKVE16301	NKVE16301L	NKSE16301	NKSE16301L
	20	33,60	24,00	NKVE20301	NKVE20301L	NKSE20301	NKSE20301L
	22	39,90	28,50	NKVE22301	NKVE22301L	NKSE22301	NKSE22301L
4-leg	6	2,94	2,10	NKVE06401	NKVE06401L	NKSE06401	NKSE06401L
	8	5,25	3,75	NKVE08401	NKVE08401L	NKSE08401	NKSE08401L
	10	8,00	5,70	NKVE10401	NKVE10401L	NKSE10401	NKSE10401L
	13	14,00	10,00	NKVE13401	NKVE13401L	NKSE13401	NKSE13401L
	16	21,00	15,00	NKVE16401	NKVE16401L	NKSE16401	NKSE16401L
	20	33,60	24,00	NKVE20401	NKVE20401L	NKSE20401	NKSE20401L
	22	39,90	28,50	NKVE22401	NKVE22401L	NKSE22401	NKSE22401L


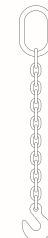
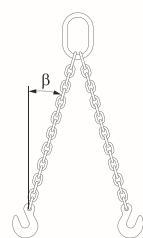
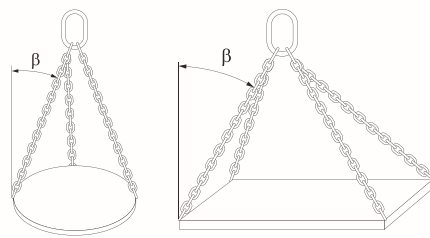
The last two numbers of the product code refer to the length. When ordering, for example, a 10 mm, 2-leg and 3 m long chain sling, the product code is NKVE10203.

Note! The leg length of the chain sling assembly, unless specifically ordered, is as presented (L1) in the


 Ammattilaisen nosto-, siirto- ja kuormansidontavälineet
 Lifting, lashing and material handling products for professionals

10 LUOKKA
 GRADE

NOSTOKETJUYHDISTELMIEN SALLITUT TYÖKUORMAT
WORKING LOAD LIMITS FOR CHAIN SLINGS

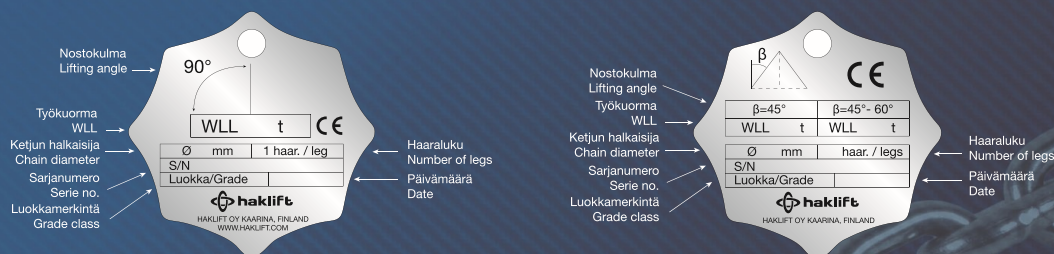
CE	1-haaraiset / legs	2-haaraiset / legs		3-4-haaraiset / legs		
 Ketju / Chain Ø mm						
		Kaltevuuskulma β / Inclination angle β				
		0 - 45°		45 - 60°		0 - 45°
Työkuorma / WLL kg						
6	1400	1960	1400	2940	2100	
8	2500	3500	2500	5250	3750	
10	4000	5600	4000	8000	5700	
13	6700	9500	6700	14000	10000	
16	10000	14000	10000	21000	15000	
20	16000	22400	16000	33600	24000	
22	19000	26600	19000	39900	28500	
Sallittuja kuormia laskettaessa käytetyt kertoimet / Coefficients used in calculated WLL						
	1,0	1,4	1,0	2,1	1,5	
Kivistävässä nostossa taulukon arvot kerrotaan 0,8:lla / For a thightening lift, the table values are multiplied by 0,8						

Varmuuskerron / Safety factor 4:1

NOSTOKETJUYHDISTELMIEN KUORMAKILVET
WLL PLATES FOR CHAIN SLINGS

1-haarainen / 1-leg

monihaarainen / 2-4-legs


KÄYTTÖLÄMPÖTILA
OPERATING TEMPERATURE -29 - (+)205°C
TARKASTA NOSTOKETJUYHDISTELMÄT SILMÄMÄÄRÄISESTI
AINA ENNEN KÄYTTÖÄ JA TÄYDELLISESTI VÄHINTÄÄN KERRAN
VUODESSA.
ALWAYS CHECK LIFTING CHAIN ASSEMBLIES VISUALLY
BEFORE USE AND THOROUGHLY AT LEAST ONCE A YEAR.

KWB

GRADE 120



WHAT BENEFIT CAN BE ACHIEVED WITH GRADE 120 PRODUCTS?

With grade 120 products a 50 % higher WLL can be achieved with the same chain size compared to grade 80 products.

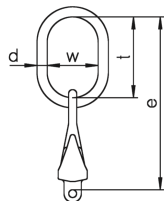
You can, for example, replace a 10 mm grade 80 chain sling by 8 mm grade 120 chain sling and achieve almost the same WLL with a considerably lighter product.

Note! We provide also grade 100 KWB products. Ask for more from our sales.

KWB

MASTER LINKS WITH GRAB HOOK FOR 1-LEG CHAIN SLINGS

- chain is attached directly to the grab hook fixed to the master link
- paint coated
- safety factor 4 : 1



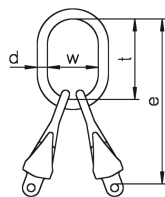
For chain mm	WLL t	d mm	t mm	w mm	e mm	Weight kg	Product code
7	2,36	14	120	70	244	1,21	*NOR1207
8	3,00	17	140	80	264	1,44	NOR1208
10	5,00	19	160	95	318	2,72	NOR1210
13	8,00	27	190	110	391	5,83	NOR1213
16	12,20	30	190	110	423	9,50	*NOR1216

*Items marked with an asterisk delivery time approx. 2

KWB

MASTER LINKS WITH GRAB HOOKS FOR 2-LEG CHAIN SLINGS

- chains are attached directly to the grab hooks fixed to the master link
- paint coated
- safety factor 4 : 1

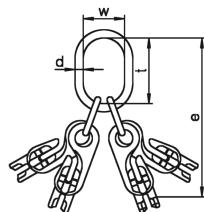


For chain mm	WLL t chain angle 0 - 45°	WLL t chain angle 45 - 60°	d mm	t mm	w mm	e mm		Product code
7	3,35	2,36	19	160	95	284	2,75	*NRLI1207
8	4,25	3,00	19	160	95	284	2,75	NRLI1208
10	7,10	5,00	23	170	105	328	4,76	NRLI1210
13	11,20	8,00	30	190	110	391	9,56	NRLI1213
16	17,08	12,20	38	275	150	508	18,66	NRLI1216

*Items marked with an asterisk delivery time approx. 2

MASTER LINKS WITH GRAB HOOKS FOR 3 AND 4 -LEG CHAIN SLINGS

- chains are attached directly to the grab hooks fixed to the master link
- paint coated
- safety factor 4 : 1

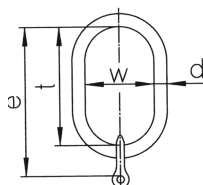


For chain mm	WLL t chain angle 0 - 45°	WLL t chain angle 45 - 60°	d mm	t mm	w mm	e mm	Weight kg	Product code
7	5,00	3,55	27	190	110	368	6,45	*NRLI124H07
8	6,30	4,50	27	190	110	368	6,45	NRLI124H08
10	10,60	7,50	30	190	110	433	11,70	NRLI124H10
13	17,00	11,80	38	275	150	616	23,84	NRLI124H13
16	25,62	18,30	38	275	150	658	36,16	*NRLI124H16

*Items marked with an asterisk delivery time approx. 2

KWB**MASTER LINKS WITH OMEGA LINK FOR 1-LEG CHAIN SLINGS**

- chain is attached directly to the omega link fixed to the master link
- paint coated
- safety factor 4 : 1

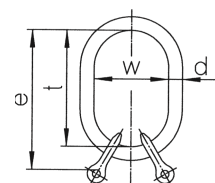


For chain mm	WLL t	d mm	t mm	w mm	e mm	Weight kg	Product code
7	2,36	14	120	70	163	0,66	*NOR1207OME
8	3,00	17	140	80	183	0,89	*NOR1208OME
10	5,00	19	160	95	211	1,62	*NOR1210OME
13	8,00	27	190	110	254	3,47	*NOR1213OME
16	12,20	30	190	110	268	5,80	*NOR1216OME

*Items marked with an asterisk delivery time approx. 2

KWB**MASTER LINKS WITH OMEGA LINKS FOR 2-LEG CHAIN SLINGS**

- chains are attached directly to the omega links fixed to the master link
- paint coated
- safety factor 4 : 1

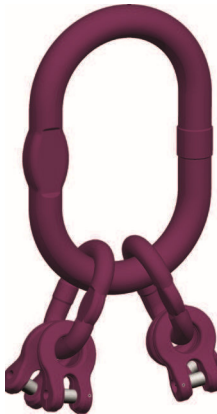


For chain mm	WLL t chain angle 0 - 45°	WLL t chain angle 45 - 60°	d mm	t mm	w mm	e mm	Weight kg	Product code
7	3,35	2,36	19	160	95	203	3,35	*NRLI1207OM
8	4,25	3,00	19	160	95	203	4,25	NRLI1208OM
10	7,10	5,00	23	170	105	221	7,10	NRLI1210OM
13	11,20	8,00	30	190	110	257	11,20	NRLI1213OM
16	17,08	12,20	38	275	150	353	17,50	NRLI1216OM

*Items marked with an asterisk delivery time approx. 2

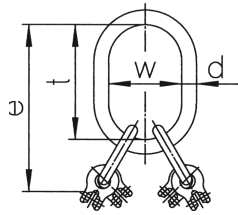
MASTER LINKS WITH OMEGA LINKS FOR 3- AND 4-LEG CHAIN SLINGS

- chains are attached directly to the omega links fixed to the master link
- paint coated
- safety factor 4 : 1



For chain mm	WLL t chain angle 0 - 45°	WLL t chain angle 45 - 60°	d mm	t mm	w mm	e mm		Product code
7	5,00	3,55	27	190	110	287	4,25	*NRLI124H07OM
8	6,30	4,50	27	190	110	287	4,25	NRLI124H08OM
10	10,60	7,50	30	190	110	326	7,34	NRLI124H10OM
13	17,00	11,80	38	275	150	479	14,40	NRLI124H13OM
16	25,62	18,30	38	275	150	503	19,48	*NRLI124H16OM

*Items marked with an asterisk delivery time approx. 2



CLEVIS SLING HOOKS WITH LATCH

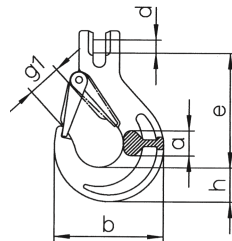


- chain is attached directly to the hook without a connecting link
- paint coated
- safety factor 4 : 1



For chain mm	WLL t	e mm	h mm	a mm	b mm	d mm	g1 mm		Product code
7	2,36	93	27	21	89	9,5	26	0,63	*SALKH1207
8	3,00	92	27	21	89	11	26	0,63	SALKH1208
10	5,00	108	33	25	110	14	31	1,18	SALKH1210
13	8,00	130	41	34	132	17,5	38	2,35	SALKH1213
16	12,20	158	49	37	160	21	45	3,82	*SALKH1216

*Items marked with an asterisk delivery time approx. 2



CLEVIS SELF-LOCKING HOOKS

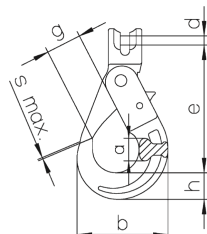


- chain is attached directly to the hook without a connecting link
- paint coated
- safety factor 4 : 1



For chain mm	WLL t	e mm	h mm	a mm	b mm	d mm	g mm	s max. mm		Product code
7	2,36	125	26	21	92	9,5	32	1	0,93	*VAKH1207
8	3,00	124	26	21	92	11	32	1	0,93	VAKH1208
10	5,00	143	31	26	115	14	45	1	1,60	VAKH1210
13	8,00	183	42	35	145	17,5	54	2	3,50	VAKH1213
16	12,20	218	51	41	169	21	60	2	6,50	VAKH1216

*Items marked with an asterisk delivery time approx. 2



Ask for more from our sales. We will build just the right chain sling assembly for your needs.



Ammattilaisen nosto-, siirto- ja kuormansidontavälineet
Lifting, lashing and material handling products for professionals

12 LUOKKA
GRADE

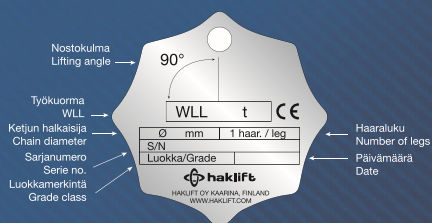
NOSTOKETJUYHDISTELMIEN SALLITUT TYÖKUORMAT WORKING LOAD LIMITS FOR CHAIN SLINGS

CE KWB Safety in action	1-haaraiset / legs	2-haaraiset / legs		3-4-haaraiset / legs	
		Kaltevuuskulma β / Inclination angle β			
		0 - 45°	45 - 60°	0 - 45°	45 - 60°
Ketju / Chain \varnothing mm	Työkuorma / WLL kg				
7	2360	3350	2360	5000	3550
8	3000	4250	3000	6300	4500
10	5000	7100	5000	10600	7500
13	8000	11200	8000	17000	11800
16	12200	17080	12200	25620	18300
Sallittuja kuormia laskettaessa käytetyt kertoimet / Coefficients used in calculated WLL					
	1,0	1,4	1,0	2,1	1,5
Kirstävässä nostossa taulukon arvot kerrotaan 0,8:lla / For a thightening lift, the table values are multiplied by 0,8					

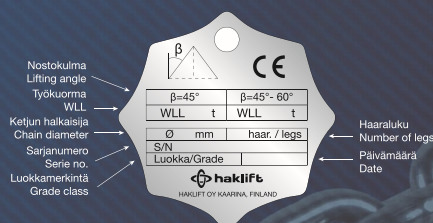
Varmuuskerroin / Safety factor 4:1

NOSTOKETJUYHDISTELMIEN KUORMAKILVET WLL PLATES FOR CHAIN SLINGS

1-haarainen / 1-leg



monihaarainen / 2-4-legs



KÄYTTÖLÄMPÖTILA
OPERATING TEMPERATURE **-40 - (+)200°C**

TARKASTA NOSTOKETJUYHDISTELMÄT SILMÄMÄÄRÄISESTI
AINA ENNEN KÄYTTÖÄ JA TÄYDELLISESTI VÄHINTÄÄN KERRAN
VUODESSA.

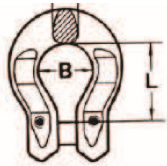
ALWAYS CHECK LIFTING CHAIN ASSEMBLIES VISUALLY
BEFORE USE AND THOROUGHLY AT LEAST ONCE A YEAR.

OMEGA LINKS

- used in the same way as connecting links
- material AISI 316
- safety factor 4 : 1



For chain mm	WLL t	B mm	L mm	Weight kg	Product code
5/6	0,70	20	25	0,07	OMER6
7/8	1,20	23	34	0,16	OMER78
10	1,60	31	41	0,28	OMER10

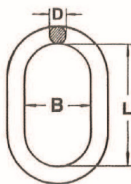


MASTER LINKS

- for 1- and 2-leg chain slings
- material AISI 316
- safety factor 4 : 1



1-leg For chain mm	2-leg For chain mm	WLL 1-leg t	WLL 2-leg 45 ° t	WLL 2-leg 60 ° t	L mm	B mm	D mm	Weight kg	Product code
6	-	0,75	-	-	110	60	13	0,34	NORHK66
8	6	1,25	1,40	1,00	110	60	16	0,53	NORHK86
10	8	2,00	1,70	1,25	135	75	18	0,82	NORHK108
13	10	3,20	2,80	2,00	160	90	22	1,50	NORHK1310
-	13	-	4,50	3,20	180	100	26	2,31	NORHK1613



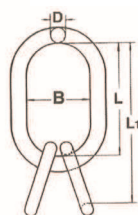
MASTER LINK ASSEMBLIES

- for 3- and 4-leg chain slings
- material AISI 316
- safety factor 4 : 1

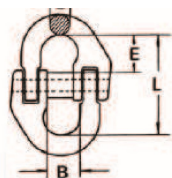


3/4-leg For chain mm	WLL 45 ° t	WLL 60 ° t	L mm	B mm	D mm	L1 mm	Weight kg	Product code
6	1,60	1,10	135	75	18	189	1,16	*NRLIH6
8	2,65	1,80	160	90	22	230	2,22	*NRLIH78
10	4,25	3,00	180	100	26	265	3,37	*NRLIH10
13	6,70	4,75	200	110	32	315	6,07	*NRLIH13

*Items marked with an asterisk delivery time 1-2



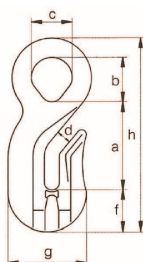
CONNECTING LINKS



- for connecting chains to master links and hooks
- material AISI 316
- safety factor 4 : 1

For chain	WLL	E	B	L	Weight	Product code
	t	mm	mm	mm	kg	
6	0,70	14	16	45	0,10	LLHK7
8	1,20	18	20	55	0,16	LLHK8
10	1,60	25	25	73	0,36	LLHK10
13	2,70	32	28	92	0,73	LLHK13

EYE GRAB HOOKS



- used for shortening chain legs
- AISI 316

For chain	WLL	a	b	c	d	f	g	h	i	Weight	Product code
mm	t	mm	mm	mm	mm	mm	mm	mm	mm	kg	
6	0,70	41	24	23	8	20	42	94	9	0,25	*LYKHK6
8	1,20	53	27	26	10	23	53	115	10	0,32	*LYKHK8
10	1,60	65	38	36	12	29	66	146	14	0,53	*LYKHK10
13	2,70	83	42	41	15	40	88	183	16	1,96	*LYKHK13

*Items marked with an asterisk delivery time 1-2

SHORTENING CLUTCHES



- used for shortening chain legs
- AISI 316

For chain	WLL	Weight	Product code
mm	t	kg	
6	0,75	0,205	LYKHNV06
8	1,25	0,345	LYKHNV08
10	2,00	0,790	LYKHNV10
13	3,20	1,230	LYKHNV13

CHAIN SLINGS WITH SLING HOOKS WITH LATCH



- 1-, 2-, 3- and 4-leg assemblies
- equipped with a load plate and CE marking
- material AISI 316
- safety factor 4 : 1

	Chain size	WLL t chain angle 0 - 45°	WLL t chain angle 45 - 60°	Latch hooks
	mm			Product code
1-leg	6	0,70		NKSH06101
	8	1,20		NKSH08101
	10	1,60		NKSH10101
	13	2,70		NKSH13101
2-leg	6	1,00	0,70	NKSH06201
	8	1,60	1,20	NKSH08201
	10	2,20	1,60	NKSH10201
	13	3,70	2,70	NKSH13201
3-leg	6	1,50	1,00	NKSH06301
	8	2,50	1,80	NKSH08301
	10	3,30	2,40	NKSH10301
	13	5,70	4,00	NKSH13301
4-leg	6	1,50	1,00	NKSH06401
	8	2,50	1,80	NKSH08401
	10	3,30	2,40	NKSH10401
	13	5,70	4,00	NKSH13401

The last two numbers of the product code refer to the length. When ordering, for example, a 10 mm, 2-leg and 3 m long chain sling, the product code is NKSH10203.

Note! The leg length of the chain sling assembly, unless specifically ordered, is as presented (L1) in the