

# 13. STEEL ROPES AND COMPONENTS



**STEEL WIRE ROPES**

**WIRE ROPE GRIPS**

**WEDGE SOCKETS**

**CUTTERS AND PLIERS**

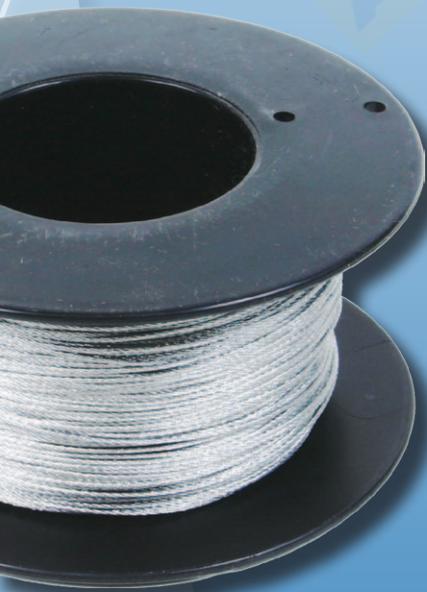
**THIMBLES**

**GENERAL QUALITY SHACKLES**

**SNATCH BLOCKS**

**CARBINE HOOKS**

**LINCH PINS**



**STEEL WIRE ROPES WITH FIBRE CORE - GENERAL**

- manufactured according to ISO 2408 standard
- available on plastic spools, as dimension stock or on wooden spools as factory stock
- galvanized



Wire dimensions mm	Minimum tensile-breaking strength kg	Structure	No. of wires	Weight kg/100m	Product code spool size 50 / 100 / 110 / 500 m	Product code spool size 110 / 220 / 250 / 500 / 1,000m / 1,100m
1,0	95	1x12+FC	12	0,7	TEK01100 (110m)	TEK01 (250m)
1,5	120	6x7+FC	42	1,1	TEK015100 (110m)	TEK015 (250m)
2,0	240	6x7+FC	42	1,4	TEK02110 (110m)	TEK02 (220m)
3,0	540	6x7+FC	42	3,1	TEK03110 (110m)	TEK03 (220 m)
4,0	950	6x7+FC	42	5,6	TEK04110 (110m)	TEK04 (250)
5,0	1380	6x7+FC	42	8,5	TEK05110 (110m)	TEK05 (250m)
6,0	2000	6x19+FC	114	12,2	TEK06110 (110m)	TEK06 (250m)
8,0	3550	6x24+FC	144	23,3	TEK0850 (50m)	TEK08 (110m)
10,0	5060	6x24+FC	144	32,2	TEK1050 (50m)	TEK10 (100m)
12,0	7280	6x24+FC	144	46,4	TEK1250 (50m)	TEK12 (1,000m)
14,0	9910	6x24+FC	144	63,1	TEK1450 (50m)	TEK14 (1,000m)
16,0	13000	6x24+FC	144	82,4	TEK16500 (500m)	TEK16 (1,000m)
18,0	16400	6x24+FC	144	104,0	-	TEK18
20,0	22200	6x24+FC	144	145,0	-	TEK20
22,0	26800	6x24+FC	144	176,0	-	TEK22



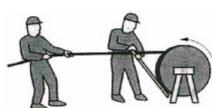
42-l



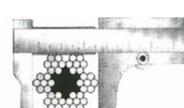
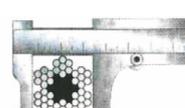
114-l



144-l



right spooling and winding

wrong  
measuring methodright  
measuring method
**STEEL WIRE ROPES WITH FIBRE CORE - 216 WIRES**

- manufactured according to ISO 2408 standard
- available as dimension stock or on wooden spools as factory stock
- galvanized
- used, for example in slings, bridge cranes, ship cranes, life boats etc.

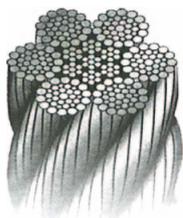


Wire dimensions mm	Minimum tensile-breaking strength kg	Structure	No. of wires	Weight kg/ 100 m	Product code
8	3710	6x36+FC	216	23,7	TEK21608
10	5950	"	"	37,1	TEK21610
12	8570	"	"	53,4	TEK21612
14	11600	"	"	72,7	TEK21614
16	15200	"	"	94,9	TEK21616
18	19200	"	"	120,0	TEK21618
20	23800	"	"	148,0	TEK21620
22	28800	"	"	179,0	TEK21622
24	34300	"	"	214,0	TEK21624
26	40200	"	"	251,0	TEK21626
28	46700	"	"	291,0	TEK21628
30	53600	"	"	334,0	TEK21630
32	61000	"	"	380,0	TEK21632

Other sizes also available with right-hand or left-hand lay.

**STEEL WIRE ROPES WITH STEEL CORE - 265 WIRES**

- manufactured according to ISO 2408 standard
- available as dimension stock or on wooden spools as factory stock
- galvanized
- used, for example, in winches, cranes, transfer table ropes etc.



Wire dimensions mm	Minimum tensile-breaking strength kg	Structure	No. of wires	Weight kg/100m	Product code
13	10900	6x36+IWR	265	60,0	TEK26513
14	12600	"	"	81,8	TEK26514
16	16400	"	"	107,0	TEK26516
18	20800	"	"	136,0	TEK26518
20	25700	"	"	167,0	TEK26520
22	31100	"	"	202,0	TEK26522
26	43400	"	"	283,0	TEK26526
28	50300	"	"	328,0	TEK26528
30	57800	"	"	376,0	TEK26530
32	65800	"	"	428,0	TEK26532

**STEEL WIRE ROPES WITH STEEL CORE - 133 WIRES**

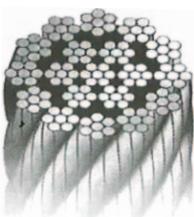
- manufactured according to ISO 2408 standard
- available as dimension stock or on wooden spools as factory stock
- galvanized
- used, for example, in winches, ratchet wire rope hoists, winches etc.



Wire dimensions mm	Minimum tensile-breaking strength kg	Structure	No. of wires	Weight kg/100m	Product code
4	956	6x19+IWS	133	6,0	TEK13304
5	1500	"	"	9,5	TEK13305
6	2160	"	"	13,8	TEK13306
8	3820	"	"	23,4	TEK13308
10	5970	"	"	38,1	TEK13310
12	8610	"	"	54,8	TEK13312

**NON-ROTATION STEEL WIRE ROPES WITH STEEL CORE - 133 WIRES**

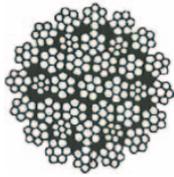
- manufactured according to ISO 2408 standard
- available as dimension stock or on wooden spools as factory stock
- galvanized
- used, for example, in truck cranes, winches, tower cranes, etc.



Wire dimensions mm	Minimum tensile-breaking strength kg	Structure	No. of wires	Weight kg/100m	Product code
4	1050	18x7+IWR	133	6,4	TEKK04
5	1640	"	"	9,4	TEKK05
6	2360	"	"	13,6	TEKK06
8	4190	"	"	24,2	TEKK08
10	6560	"	"	37,8	TEKK10
12	9440	"	"	54,4	TEKK12
14	12800	"	"	74,1	TEKK14

**NON-ROTATION STEEL WIRE ROPES WITH STEEL CORE, FOR CAR CRANES - 245 WIRES**

- available as dimension stock
- galvanized
- used in car cranes, other cranes and winches



Wire dimensions mm	Minimum tensile-breaking strength kg	Structure	No. of wires	Weight kg/100m	Product code
8	5500	35x7	245	31	ANKÖ08
10	7600	"	"	45	ANKÖ10
12	10800	"	"	64	ANKÖ12
14	14900	"	"	89	ANKÖ14
16	19600	"	"	116	ANKÖ16
18	24500	"	"	145	ANKÖ18
19	28000	"	"	165	ANKÖ19
20	30400	"	"	180	ANKÖ20
22	37500	"	"	222	ANKÖ22
24	44700	"	"	264	ANKÖ24
25	48000	"	"	284	ANKÖ25

**PLASTIC COATED STEEL WIRE ROPES**

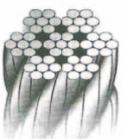
- available on 100m /110m / 200m / 220m / 250m plastic or wooden spools as factory stock
- galvanized
- standard colour is colourless clear
- also available in other colours, such as red, white and black



Wire dimensions mm	Minimum tensile-breaking strength kg	Structure	No. of wires	Spool dimensions m	Weight kg/100m	Product code
2 / 3	240	6x7+FC	42	110/220	1,5	TKP23
3 / 4	540	"	"	110/220	3,1	TKP34
3 / 5	540	"	"	110/220	3,5	TKP35
4 / 6	960	"	"	100/250	6,2	TKP46
5 / 7	1380	6x19+FC	114	100	9,5	TKP57
6 / 8	2160	"	"	100/200	13,8	TKP68

**ACID RESISTANT STEEL WIRE ROPES**

- material AISI 316



Wire dimensions mm	Minimum tensile breaking strength kg	Structure	No. of wires	Weight kg/ 100m	Product code 100 m	Product code 50 m
1	95	1x19	19	0,7	TEK01HK	TEK01HK50
2	260	6x7+IWS	49	1,4	TEK02HK	TEK02HK50
3	580	6x7+IWS	49	3,4	TEK03HK	TEK03HK50
4	1040	6x19+IWS	133	5,6	TEK04HK	TEK04HK50
5	1320	6x19+IWS	133	8,5	TEK05HK	TEK05HK50
6	1910	6x19+IWS	133	12,2	TEK06HK	TEK06HK50
8	3390	6x19+IWS	133	23,3	TEK08HK	
10	5310	6x19+IWS	133	32,2	TEK10133HK	
12	7590	6x19+IWS	133	46,4	*TEK12HK	
14	10300	6x19+IWS	133	68,0	*TEK14HK	
16	13600	6x19+IWS	133	86,0	*TEK16HK	
20	20700	6x36+FC	216	148,0	*TEK20HK	

**WIRE ROPE CLIPS DIN-741**

- general lock
- recommendable to use at least 3 locks per connection
- galvanized



Wire dimensions mm	Package dimensions	Weight kg/100pcs	Product code
3	100	1,4	VL03
5	100	1,5	VL05
6	100	2,1	VL06
8	50	4,1	VL08
10	50	6,8	VL10
13	25	13,0	VL13
16	20	21,0	VL16
19	10	28,0	VL19
22	10	40,0	VL22
26	10	44,0	VL26
30	6	66,0	VL30
34	6	85,0	VL34
40	6	104,0	VL40

**DUBLEX WIRE ROPE CLIPS**

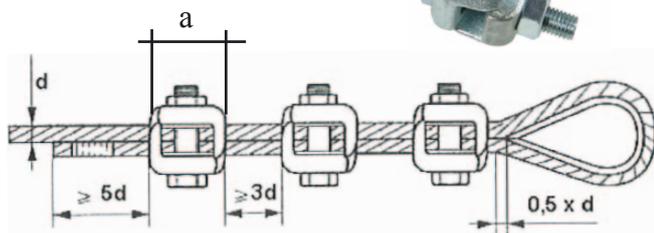
- small general purpose clips
- galvanized



Rope dimension mm	Package size	Weight kg / 100pcs	Product code
2	100	1,0	VLDU2
3	100	1,7	VLDU3
4	100	2,5	VLDU4
5	100	4,5	VLDU5
6	100	6,2	VLDU6

**DEKA WIRE ROPE CLIPS**

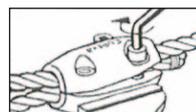
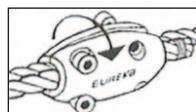
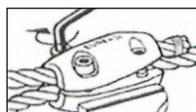
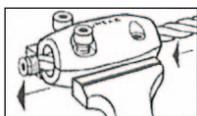
- for demanding conditions
- recommendable to use at least 3 locks per connection
- galvanized



Wire dimensions mm	Minimum no. of grips on joining point	a mm	Weight kg/100pcs	Product code
5 - 6	5	27	10	VLDE06
7 - 8	6	32	16	VLDE08
9 - 10	6	37	24	VLDE10
10 - 12	6	41	33	VLDE12
13 - 16	6	48	58	VLDE16
18 - 20	6	56	95	VLDE20
21 - 25	7	62	160	VLDE25
26 - 35	8	106	410	VLDE35

**EUREKA WIRE ROPE CLIPS**

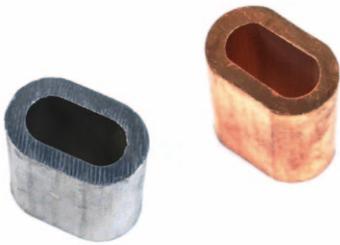
- for extremely demanding conditions
- galvanized
- recommendable to use at least 3 clips / joining point



Rope dimension mm	Weight kg	Product code
3	0,05	EUREKA03
4 - 5	0,06	EUREKA05
5 - 6	0,14	EUREKA06
7 - 8	0,24	EUREKA08
9 - 10	0,52	EUREKA0910
11	0,52	EUREKA11
12 - 14	1,10	EUREKA12
15 - 16	1,70	EUREKA16
17 - 18	2,60	EUREKA18
20 - 21	4,50	EUREKA21

### "TALURI" PRESS CLIPS FOR STEEL WIRE ROPES

- clips (1mm - 5mm) to be pressed with pliers or a presser
- aluminium clips for normal steel wire ropes
- copper clips for acid resistant steel wire ropes
- stock sizes 1mm - 32mm for aluminium grips and 1mm - 12mm for copper clips
- other types and dimensions also available within delivery time



#### Product code:

TALU\* \* (\* \* refers to size, e.g. 01 = 1mm)

TALUK\* \* (for copper clips)



### PRESS TOOLS FOR "TALURI" CLIPS OF STEEL WIRE ROPES

- suitable for 1mm - 1.5 and 1mm - 5mm ropes
- either band models or a table mounted model
- paint coated



Table mounted model

Rope dimension mm	Type	Weight kg	Product code
1 - 1,5	hand tool	0,3	TALUPI3
1 - 5	hand tool	2,7	TALUPI6
1 - 5	Table tool	7,5	TALUPI6P



Hand tool model 1mm - 1.5mm

### CUTTERS FOR STEEL WIRE ROPES AND CABLES

- special steel cutters for steel wire ropes and cables
- KAAPL30 cable cutters with voltage isolated (1,000V) handles
- listed values are for fibre core ropes
- three sizes and table-mounted model for steel wire ropes and cables as well as one model only for copper and aluminium cables (KAAPL30)
- paint coated



TEKLEI18-22



KAAPL30



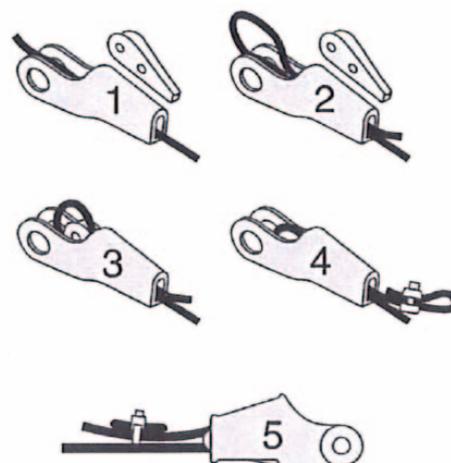
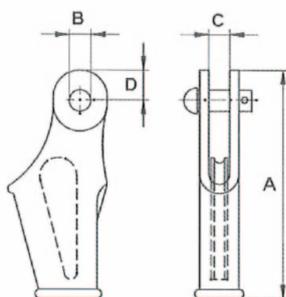
TEKLEI05

Wire dimensions mm	Type	Weight kg	Product code
1 - 5	Pliers TK	0,3	TEKLEI05
1 - 14	Pliers TK	6,0	TEKLEI18
1 - 20	Pliers TK	9,8	TEKLEI22
1 - 14	Table TK	7,0	TEKLEI14P
1 - 30	Pliers KP	2,2	KAAPL30

WEDGE SOCKETS FOR STEEL WIRE ROPES TYPE 6413

- quick way to make a fork end on a steel wire rope
- for demanding conditions (lifting equipment)
- paint coated

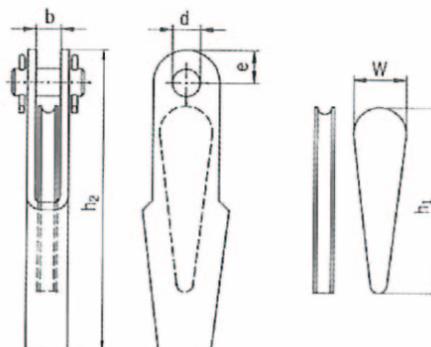
Wire dimensions mm	WLL t	A mm	B mm	C mm	D mm	Weight kg	Product code
9 – 10	2,0	165	20	20	20	1,8	KII015
11 – 13	3,2	170	25	24	24	2,1	KII025
14 – 16	5,0	210	30	31	32	3,7	KII040
17 – 19	6,3	255	35	38	40	5,5	KII050
20 – 22	8,0	286	41	44	46	8,2	KII070
23 – 26	12,6	330	50	52	54	13,5	KII100
27 – 28	16,0	375	57	60	62	20,5	KII120



WEDGE SOCKETS FOR STEEL WIRE ROPES TYPE 15315

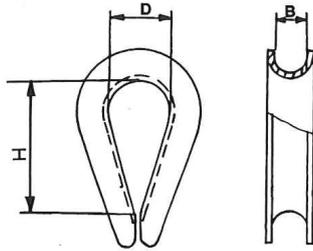
- quick way to make a fork end on a steel wire rope
- **not for lifting equipment**
- galvanized

Wire dimensions mm	b mm	e mm	h2 mm	d mm	h1 mm	w mm	Weight kg	Product code
4 – 5	12	14	110	10	68	19	0,17	KII05
6 – 8	14	20	150	12	92	25	0,50	KII08
9 – 11	17	26	190	16	117	32	1,04	KII11
12 – 14	22	32	230	18	141	38	2,07	KII14
15 – 17	25	36	260	22	162	46	3,66	KII17
18 – 20	27	40	300	25	186	52	5,35	KII20
22 – 25	33	40	285	40	180	60	6,22	KII25
26 – 30	40	55	335	50	182	62	10,1	KII30



**THIMBLES FOR STEEL WIRE ROPES, TYPE 6899B**

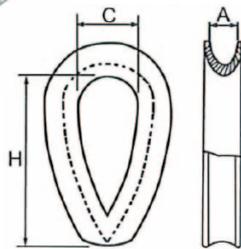
- crimped profile steel
- hot galvanized coating



Wire dimensions mm	B mm	H mm	D mm	Weight kg/100pcs	Product code
2-3	4	21	13	0,8	KO03
3,5	5	23	14	1,1	KO04
4-5	6	25	16	1,6	KO05
6	7	28	18	1,9	KO06
7	8	32	20	3,3	KO08
8-9	10	38	24	4,7	KO09
10-11	12	45	28	6,8	KO11
12-13	14	51	32	10,0	KO13
14-16	17	61	38	18,0	KO16
17-18	20	72	45	29,0	KO18
19-20	22	80	50	32,0	KO20
21-22	24	90	56	47,0	KO22
23-24	26	99	62	59,0	KO24
26	28	112	70	84,0	KO26
28	30	120	75	110,0	KO28
29-30	32	128	80	123,0	KO30
31-32	34	152	95	156,0	KO32
33-34	36	160	100	176,0	KO34
36	38	176	110		KO36
38	40	186	115		KO38
40	42	192	120	320,0	KO40

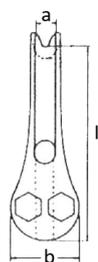
**THIMBLES FOR STEEL WIRE ROPES, TYPE 3090**

- forged steel
- hot galvanized coating



Wire dimensions mm	a mm	c mm	h mm	Weight kg/100pcs	Product code
5-6	7	15	42	2,8	KOD06
7-8	9	20	56	5,7	KOD08
9-10	11	25	70	15,2	KOD10
11-12	13	30	85	24,0	KOD12
13-14	15	35	102	38,0	KOD14
15-16	18	40	113	52,0	KOD16
17-18	20	45	127	66,0	KOD18
19-20	22	50	141	88,0	KOD20
21-22	24	55	153	104,0	KOD22
23-24	26	60	165	129,0	KOD24
25-26	29	65	181	260,0	KOD26
27-28	31	70	193	277,0	KOD28
29-32	35	80	223	440,0	KOD32

Bigger sizes are also available within delivery time.

**GRIP THIMBLES FOR STEEL WIRE ROPES**


Wire dimensions mm	a mm	b mm	D mm	l mm	Weight kg	Product code
5-6	6	26	22	67	0,1	LUK06
7-9	12	37	31	100	0,5	LUK09
10-12	15	48	42	152	1,0	LUK012
13-16	19	61	51	186	2,0	LUK016
17-20	25	76	67	241	3,8	LUK020

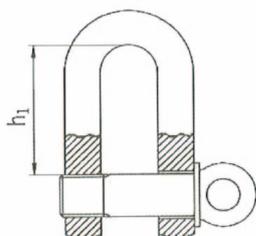


**COMMERCIAL D AND BOW SHACKLES**

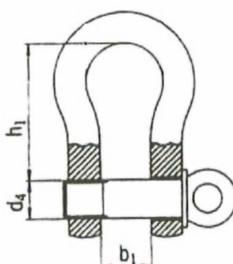
- two models: D model and bow model
- galvanized
- **not to be used with lifting equipment**



Pin dimensions d4 mm	Breaking strength appr. t	b1 mm	h1 mm	Package dimensions	Weight/ 100pcs appr. kg	Product code D model	Product code Bow model
5	0,4	10	20	100	1,6	SAKY05	SAKY05P
6	0,5	12	24	100	3,2	SAKY06	SAKY06P
8	1,0	16	32	100	7,0	SAKY08	SAKY08P
10	1,5	20	40	50	13,4	SAKY10	SAKY10P
12	2,5	25	48	50	25,0	SAKY12	SAKY12P
14	3,0	28	53	50	34,0	SAKY14	SAKY14P
16	4,0	32	60	30	53,0	SAKY16	SAKY16P
20	5,5	38	74	10	92,0	SAKY20	*SAKY20P
22	7,5	44	85	30	140,0	SAKY22	*SAKY22P
25	10,0	51	97	20	215,0	SAKY25	*SAKY25P
28	15,0	56	107	15	340,0	SAKY28	*SAKY28P
32	17,5	64	122	10	590,0	SAKY32	*SAKY32P
38	25,0	76	146	5	760,0	SAKY38	*SAKY38P



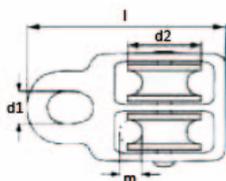
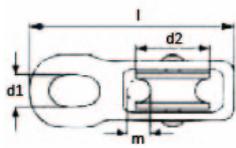
D model



bow model

**1- AND 2-WHEEL SNATCH BLOCKS**

- body galvanized steel, nylon wheel
- for synthetic fibre ropes
- **not to be used with lifting equipment**

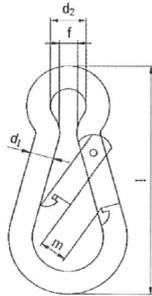


For rope mm	Breaking strength appr. t	d1 mm	d2 mm	l mm	Weight/ 100pcs appr. kg	Product code 1-wheel	Product code 2-wheel
5	0,55	10	15	50	2,4	PYL05	PYL205
6	0,60	11	20	60	4,1	PYL06	PYL206
7	0,80	12	25	70	5,6	PYL07	PYL207
8	0,90	13	30	80	8,3	PYL08	PYL208
9	1,10	14	40	93	12,7	PYL09	PYL209
12	1,20	16	50	113	19,7	PYL12	PYL212
16	0,80	20	65	135	38,5	PYL16	PYL216



**CARBINE HOOKS DIN 5299-C**

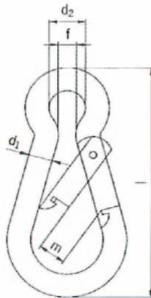
- for different attachments and suspensions
- galvanized
- **not to be used with lifting equipment**



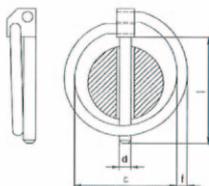
Size d1 x l mm	d2 mm	f mm	m mm	Package dimensions pc	Weight kg/ 100pcs	Product code
4 x 40	6	4	8	100	1,1	KH40
5 x 50	8	4	8	100	1,9	KH50
6 x 60	9	5	8	100	2,7	KH60
7 x 70	10	8	8	100	4,4	KH70
8 x 80	10	8	9	100	6,5	KH80
9 x 90	12	9	10	100	8,8	KH90
10 x 100	15	10	11	50	12,7	KH100
11 x 120	18	11	16	30	18,0	KH120
12 x 140	20	13	19	20	26,0	KH140
13 x 160	22	15	25	10	35,0	KH160
14 x 180	22	15	35	10	48,0	KH180

**CARBINE HOOKS WITH GRIP**

- for different attachments and suspensions
- screw lock
- galvanized
- **not to be used with lifting equipment**



Size d1 x l mm	d2 mm	f mm	m mm	Weight kg/ 100pcs	Product code
6 x 60	9	5	8	2,9	KH60L
7 x 70	10	8	8	4,6	KH70L
8 x 80	10	8	9	6,9	KH80L
10 x 100	15	10	12	13,4	KH100L
11 x 120	18	11	16	19,0	KH120L
12 x 140	20	13	19	26,5	KH140L

**LINCH PINS WITH ROUND SPRING RING**


- split rings with spring
- yellow chromized
- **not for lifting equipment**

Size d mm	package dimensions	c mm	f mm	l mm	Weight kg/ 100pcs	Product code
4,5	50	34,0	3,4	42,0	2,00	RES045
6,0	50	41,0	3,4	42,0	2,80	RES06
8,0	50	41,0	3,4	42,0	3,50	RES08
10,0	50	41,0	3,4	42,0	4,40	RES10
12,0	50	41,0	3,4	42,0	5,72	RES12