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Event equipment **Blackline**

2013



Blackline Chain hoist

Chain hoist 500 kg

Lifting capacity 500 kg. Device with rugged steel enclosure, varnished black, rotary equipment and load hook. Lifting and lowering by activation of hand chain. Load chain 6 mm DIN 5684 Grade 80 zinc coated. Hand chain 5 mm similar to DIN 763 long chain links zinc coated.



Product No.	Chain length	
	load chain	hand chain
TFZ-005-B-03.00 - 03.00	3 m	3 m
TFZ-005-B-04.00 - 04.00	4 m	4 m
TFZ-005-B-05.00 - 05.00	5 m	5 m
TFZ-005-B-06.00 - 06.00	6 m	6 m
TFZ-005-B-07.00 - 07.00	7 m	7 m
TFZ-005-B-08.00 - 08.00	8 m	8 m
TFZ-005-B-09.00 - 09.00	9 m	9 m
TFZ-005-B-10.00 - 10.00	10 m	10 m
TFZ-005-B-11.00 - 11.00	11 m	11 m
TFZ-005-B-12.00 - 12.00	12 m	12 m
TFZ-005-B-13.00 - 13.00	13 m	13 m
TFZ-005-B-14.00 - 14.00	14 m	14 m
TFZ-005-B-15.00 - 15.00	15 m	15 m

Chain hoist 1000 kg

Lifting capacity 1,000 kg. Device with rugged steel enclosure, varnished black, rotary equipment and load hook. Lifting and lowering by activation of hand chain. Load chain 6 mm DIN 5684 Grade 80 zinc coated. Hand chain 5 mm similar to DIN 763 long chain links zinc coated.

Product No.	Chain length	
	load chain	hand chain
TFZ-010-B-03.00 - 03.00	3 m	3 m
TFZ-010-B-04.00 - 04.00	4 m	4 m
TFZ-010-B-05.00 - 05.00	5 m	5 m
TFZ-010-B-06.00 - 06.00	6 m	6 m
TFZ-010-B-07.00 - 07.00	7 m	7 m
TFZ-010-B-08.00 - 08.00	8 m	8 m
TFZ-010-B-09.00 - 09.00	9 m	9 m
TFZ-010-B-10.00 - 10.00	10 m	10 m
TFZ-010-B-11.00 - 11.00	11 m	11 m
TFZ-010-B-12.00 - 12.00	12 m	12 m
TFZ-010-B-13.00 - 13.00	13 m	13 m
TFZ-010-B-14.00 - 14.00	14 m	14 m
TFZ-010-B-15.00 - 15.00	15 m	15 m

Other chain lengths can be tailored on request.

Product No.	
K-5684-06.0-8-ZN	±1 m load chain
K-0763-05.0-2-ZN	±1 m hand chain



Blackline equipment for chain hoists

Rain protection cover for electric chain hoists

Tearproof and waterproof PVC-coated polyester textile. With velcro fastener, in 3 sizes. For electric chain hoists type Chainmaster and Movecat.

Product No.	Suitable for electric chain hoists	dimensions
RSH-BGV-D8-0250	0,25 to D8/D8+	453 x 219 mm
RSH-BGV-D8-0500	0,50 to D8/D8+	453 x 257 mm
RSH-BGV-D8-1000	1,00 to D8/D8+ (up to 18 m hoisting capacity)	488 x 257 mm



Chain store for Chain hoists TFZ

For chain lengths of 3-14 metres. With fixed steel frame 130 x 100 mm. For direct installation at the chain hoist.

Product No.	for chain length	dimensions (mm)
KS-TFZ-010-06	3- 7 m	130x 100x 300
KS-TFZ-010-09	8- 10 m	130x 100x 450
KS-TFZ-010-12	11- 14 m	130x 100x 600



Chain store XL

For chain lengths from 15 m, just like for complete storage of device and chain. With fixed steel frame 300 x 200 mm. Reinforced bottom and water drain hole. Suspension belts adjustable in length.

Product No.	dimensions (mm)
KS-TFZ-010-XL	300 x 200 x 300



Bag

Tear-resistant and waterproof, PVC fabric.

Product No.	dimensions (mm)
TB-TFZ-010	400x 500

Blackline Hoisting gear products

Beam clamp with slewing eye

As fit-up aid and attachment point for hoisting gear.
Adjustable to desired flange width via threaded spindle.
Safeguarding against accidental opening on request. Safety factor 4.

Product No.	Lifting capacity	Flange width	max. opening	weight
STK-010-B	1.000 kg	75- 220 mm	284 mm	4,0 kg
STK-020-B	2.000 kg	75- 220 mm	284 mm	5,0 kg
STK-030-B	3.000 kg	80- 320 mm	365 mm	9,0 kg
STK-050-B	5.000 kg	90- 320 mm	365 mm	11,0 kg



Wire rope hoist

Wire rope hoist with aluminium enclosure and hand lever with telescopic slide-out.
Replacement shear pins for SAT 08 inside hand lever.
For SAT 16 and SAT 32 inside equipment handle.

Product No.	for rope Ø	Lifting capacity	weight without rope
SAT 08	8,0 mm	800 kg	7,8 kg
SAT 16	11,0 mm	1.600 kg	14,5 kg
SAT 32	16,0 mm	3.200 kg	26,5 kg



Cable for wire rope hoist Typ SAT

Wire rope zinc coated, with steel insert. One side taper weld, on the other side compressed safety load hook, rope wound on ring. SAFETEX pulleys are admissible with original SAFETEX wire ropes only.

Product No.	rope Ø	Nominal strength	weight	length
SZS 080-20.00	8,0 mm	1.770 N/mm ²	6,1 kg	20 m
SZS 115-20.00	11,0 mm	1.770 N/mm ²	11,3 kg	20 m
SZS 160-10.00	16,0 mm	1.770 N/mm ²	21,1 kg	10 m



Mini-type Lever hoist

With round link chain, standard lift 1,5 m. Net weight 2,3 kg, work load 250 kg.
Lifting, lowering and overrunning pulley adjustable via reversing lever.
Load chain 4 mm DIN 5684 Grade 80 zinc coated.

Product No.	weight	Lifting capacity	load chain Ø
TRA-025-01.50	2,3 kg	250 kg	4 mm

Product No.	weight	Lifting capacity	load chain Ø
TRA-075-01.50	7,0 kg	750 kg	6 mm
TRA-150-01.50	12,0 kg	1500 kg	8 mm



Blackline Roundslings SX-STEEL



Roundslings with steel cable core

Based on EN 1492-2 and EN 13414-2. Core made of endlessly laid steel rope. Heat resistant up to 150 °C. Therefore, the requirement of BGV-C1 for secondary safeguarding is not applicable. Spin-black hose sheath made of polyester fabric. Own production.



	WLL acc. to BGV-C1	L1	0,5 m	1,0 m	1,5 m	2,0 m	2,5 m	3,0 m	4,0 m	5,0 m	6,0 m
Product No.	SF 10:1	...	-01.00	-02.00	-03.00	-04.00	-05.00	-06.00	-08.00	-10.00	-12.00
SX-STEEL-020-...	1.000 kg										

Lifting capacity **2,000 kg** with safety factor 5. According to BGV-C1 lifting capacity **1,000 kg** with safety factor 10.

	WLL acc. to BGV-C1	L1	0,5 m	1,0 m	1,5 m	2,0 m	2,5 m	3,0 m	4,0 m	5,0 m	6,0 m
Product No.	SF 10:1	...	-01.00	-02.00	-03.00	-04.00	-05.00	-06.00	-08.00	-10.00	-12.00
SX-STEEL-040-...	2.000 kg										

Lifting capacity **4,000 kg** with safety factor 5. According to BGV-C1 lifting capacity **2,000 kg** with safety factor 10.



◆ SX-STEEL-040 GREY with woven WLL



◆ Logo can be embroidered



◆ Print in white or yellow starting at 1.000 m



◆ Identification labels and inspection window for control of the steel rope insert under lockable protective lids

Blackline Roundsling with yarn core



Roundsling with yarn core

According to EN 1492-2 PES. Core made of endlessly laid polyester yarn. Spin-black hose sheath made of polyester fabric. Identification labels and user instructions sewed in. Safety factor 7.
Lifting capacity (WLL) marking by coloured seam: Pink = 1,20 t Green = 2,20 t Yellow = 3,20 t.



Without label cover

Product No.	WLL SF 7:1	L1	0,5 m	1,0 m	1,5 m	2,0 m	2,5 m	3,0 m	4,0 m	5,0 m	6,0 m
SX 012-...	1,20 t	...	-01.00	-02.00	-03.00	-04.00	-05.00	-06.00	-08.00	-10.00	-12.00
SX 022-...	2,20 t										
SX 032-...	3,20 t										



◆ Label with individual logo on request



◆ Print in white or yellow starting at 1.000 m



◆ example of use with sling hook

With label-cover

Product No.	WLL SF 7:1	L1	0,5 m	1,0 m	1,5 m	2,0 m	2,5 m	3,0 m	4,0 m	5,0 m	6,0 m
SX 012-L...	1,20 t	...	-01.00	-02.00	-03.00	-04.00	-05.00	-06.00	-08.00	-10.00	-12.00
SX 022-L...	2,20 t										
SX 032-L...	3,20 t										



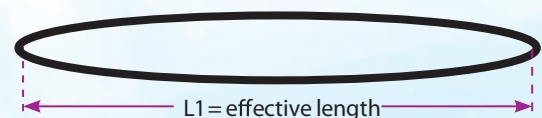
Blackline Theater webbings

Theater webbings

Black webbing sling according to EN 1492-2 PES. Single-layer continuously sewed with a stitched-down loop. Safety factor 7.



Product No.	WLL	width	L1
THE-25-00500-00.35	500 kg	25 mm	0,35 m
THE-25-00500-00.50	500 kg	25 mm	0,50 m
THE-25-00500-01.00	500 kg	25 mm	1,00 m
THE-25-00500-01.50	500 kg	25 mm	1,50 m



Blackline ratched lashings **50mm**

according to EN 12195-2 PES



5 **one-piece** ratched lashing



LC 5.000_{daN}

S_{TF} 300_{daN}

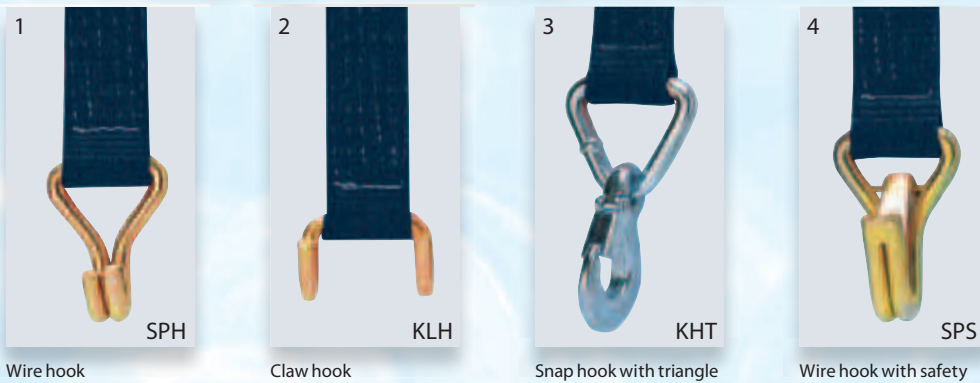
Product No.	bandwidth	2 m	4 m	6 m	8 m	10 m	±1 m
50H-B-1-DR-	50 mm						

2,5 **two-piece** ratched lashing



LC 2.500_{daN}

S_{TF} 300_{daN}



1 Wire hook

2 Claw hook

3 Snap hook with triangle

4 Wire hook with safety

Fig.	Product No.	bandwidth	2 m	4 m	6 m	8 m	10 m	±1 m
1	50H-B-2-DR-SPH-	50 mm						
2	50H-B-2-DR-KLH-	50 mm						
3	50H-B-2-DR-KHT-	50 mm						
4	50H-B-2-DR-SPS-	50 mm						

LC = Lashing Capacity = Maximum load for use in straight draw for which a lashing strap is designed for use.

S_{TF} = Standard Tension Force = Remaining force after the handle of a ratchet was released = pretensioning force

◆ White overprint is possible from 1000 meters webbing on request. Block required.

SAFETEX

In our own production we process genuine black dyed belt strap made of polyester (PES) with an extension below 7%.

Genuine black dyed belt strap will permanently keep its deep black colour and does not stain.

Tensioning elements (SE) and connecting elements (VE) are adjusted to the particular lashing systems.

SAFETEX lashing straps are manufactured and tested according to EN 12195-2.

Blackline ratched lashings **35mm**

according to EN 12195-2 PES



2 t one-piece ratched lashing



LC 2.000_{daN}

S_{TF} 200_{daN}

Product No.	bandwidth	2 m	4 m	6 m	8 m	10 m	±1 m
35A-B-1-DR-	35 mm						

1 t two-piece ratched lashing



LC 1.000_{daN}

S_{TF} 200_{daN}

1		SPH
2		KLH
3		KHF
4		KHG

Wire hook Claw hook Flat hook Flat hook twisted

Fig.	Product No.	bandwidth	2 m	4 m	6 m	8 m	10 m	±1 m
1	35A-B-2-DR-SPH-	35 mm						
2	35A-B-2-DR-KLH-	35 mm						
3	35A-B-2-DR-KHF-	35 mm						
4	35A-B-2-DR-KHG-	35 mm						

LC = Lashing Capacity = Maximum load for use in straight draw for which a lashing strap is designed for use.
 S_{TF} = Standard Tension Force = Remaining force after the handle of a ratchet was released = pretensioning force

◆ White overprint is possible from 1000 meters webbing on request. Block required.

SAFETEX

In our own production we process genuine black dyed belt strap made of polyester (PES) with an extension below 7%.
Genuine black dyed belt strap will permanently keep its deep black colour and does not stain.
 Tensioning elements (SE) and connecting elements (VE) are adjusted to the particular lashing systems.
 SAFETEX lashing straps are manufactured and tested according to EN 12195-2.

Blackline ratched lashings **25mm**

according to EN 12195-2 PES



1,5 tone-piece ratched lashing



Product No.	bandwidth	2 m	4 m	6 m	8 m	10 m	±1 m
25S-B-1-DR-	25 mm						

LC 1,50daN

S_{TF} 150daN

0,8 tone-piece ratched lashing



Product No.	bandwidth	2 m	4 m	6 m	8 m	10 m	±1 m
25A-B-1-DR-	25 mm						

LC 800daN

S_{TF} 80daN

0,4 two-piece ratched lashing



1

SPH

2

KHF

3

FHS

4

BSA

Wire hook

Flat hook

Flat hook with a safety device

Floor-mounted rail anchor

LC 400daN

S_{TF} 80daN

Fig.	Product No.	bandwidth	2 m	4 m	6 m	8 m	10 m	±1 m
1	25A-B-2-DR-SPH-	25 mm						
2	25A-B-2-DR-KHF-	25 mm						
3	25A-B-2-DR-FHS-	25 mm						
4	25A-B-2-DR-BSA-	25 mm						

0,25 tone-piece lashing with cambuckle



Product No.	bandwidth	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m	±1 m
25B-B-1-KL-	25 mm											

LC 250daN

S_{TF} 30daN

LC = Lashing Capacity = Maximum load for use in straight draw for which a lashing strap is designed for use.
 S_{TF} = Standard Tension Force = Remaining force after the handle of a ratchet was released = pretensioning force

Rope holder

For professionally suspending static loads in event engineering. Six, sprung, steel ballbearings lock together under load. The cap nut is tightened by hand in the desired position and the steel rope is finally secured. The holder can be positioned at any point on the steel rope by means of loosening and pressing the cap nut. It has been licensed by the professional association according to BGV-C1 and tested by the TÜV (German Safety Standards Authority).

It should only be used with a construction of EN 12385-4 type steel ropes in the configuration of 6 x 19 FC or 7 x 19 WSC.



example of use

Rope holder with thread

Product No.	thread	for rope Ø	WLL/BGV-C1
DSH-05-M12-BGV	M12 x 17	4 +5 mm	80 kg + 130 kg
DSH-08-M20-BGV	M20 x 30	6+8 mm	190 kg + 330 kg

Ring nut DIN 582 galvanized

Product No.	for rope holder	Ring inside/outside
RIM 582-M12-ZN	DSH-05-M12-BGV	30 m / 54 mm
RIM 582-M20-ZN	DSH-08-M20-BGV	40 m / 72 mm

Rope holder with integrated black ring

Product No.	length	Ring inside/outside
DSH-05-INTEGRAL-BGV	104 mm	30 m / 54 mm
DSH-08-INTEGRAL-BGV	155 mm	40 m / 72 mm

Rope holder with lateral outlet and integrally adhered M12 threaded rod

Product No.	thread	for rope Ø	WLL/BGV-C1
DSH-05-M12-BGV-SA	M12	4+5 mm	80 kg + 130 kg
DSH-08-M12-BGV-SA	M12	6+8 mm	190 kg + 330 kg

Rope holder with lateral outlet and M12 internal thread

Product No.	thread depth	length
DSH-05-M12-I-BGV-SA	10 mm	89 mm
DSH-08-M12-I-BGV-SA	19 mm	110 mm

Rope holder with fork connection

Product No.	fork's width	fork's length	length
DSH-05-GA-BGV	14 mm	28 mm	122 mm
DSH-08-GA-BGV	20 mm	40 mm	190 mm

Rope holder with DOUGHTY Halfcoupler

Product No.	for tube diameter	length
DSH-05-DOUGHTY	45 - 50 mm	130 mm
DSH-08-DOUGHTY	45 - 50 mm	195 mm



DSH



RIM



INTEGRAL



M12/Integrally adhered



M12/Internal thread



Fork connection



DOUGHTY

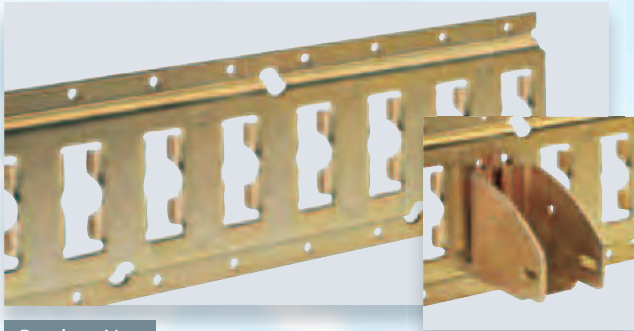
Accessories for internal lashing

Anchor rails, -systems

Anchor rails are screwed along the sideboard of vehicles to provide a variable and safe lashing point (DIN 75 410-1). Accessories with a length exceeding 2m are supplied ex-works.

Anchor rail longitudinal hole combination, galvanized steel

with round hole \varnothing 25 mm, length 3.05 m



Product No.

ALK 305

SBS-ALK

Clamping beam shoe SBS-ALK

Adapter for longitudinal-hole rail

with triangle and rail anchor SLE, strap width 45 mm, fits ALK 305

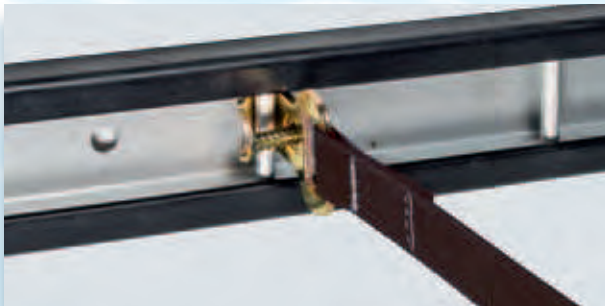


Product No.

VE45-A-SLE-TRI

Rod rail, aluminium with PVC profile

mounted horizontally, length 6.0 m



Product No.

ASP 600

Airline rail, aluminium, semi-circular profile

20 mm hole, length 3.0 m



Product No.

ALS-R-300

Airline rail, aluminium, square profile

20 mm hole, length 3.0 m



Product No.

ALS-V-300

Anchoring point for the floor-mounted rail anchor

Diameter 45 mm



Product No.

VE-25-ZP-BSA

Protective equipment

Harnesses

EN 358, EN 361, EN 813

Vertik Plus:

Padded shoulder straps, front and back tie-in eyelets, side eyelets and a restraint loop at the back.

Vertik Plus CL features a waistbelt with click-lock buckles for quick and easy opening of the leg loops.

Product No.	sizes	weight
PSA-VT-88047 Vertik Plus	S – XL	1.940 g
PSA-VT-88056 Vertik Plus CL	S – XL	1.940 g



Vertik-Plus



Vertik-Plus CL

Work position lanyards

Y-Climb Pull EN 354, EN 355

With two big carabiners and integrated tape energy absorber and 30mm stretch strap.

Adjust: EN 358.

With steel carabiner. Work positioning lanyard with 12mm kernmantel rope.

Product No.	length
PSA-VT-88109 Y-Climb Pull	1,30 m
PSA-VT-88104 Adjust	2,00 m



Y-Climb Pull

Adjust

Safety-Super II static ropes Polyamid EN 1891

Maximum abrasion resistance, minimum shrinkage, low elongation values. Black color, for height and rescue operations also for frequent use with an ascender.

Product No.	rope diameter	length
PSA-VT-83214-050	10 mm	50 m
PSA-VT-83214-100	10 mm	100 m
PSA-VT-83214-200	10 mm	200 m
PSA-VT-83215-050	10,5 mm	50 m
PSA-VT-83215-100	10,5 mm	100 m
PSA-VT-83215-200	10,5 mm	200 m



Transit carrier bag

Waterproof, made of extremely tear-resistant polyester with sealed seams. Roll-down closure, padded carrying straps, D rings closure.

Product No.	capacity	dimensions
PSA-VT-72780	45 ltr./150 m Rope	54 x 40 x 26 cm
PSA-VT-72781	60 ltr./170 m Rope	67 x 25 x 39 cm
PSA-VT-72782	114 ltr./300 m Rope	75 x 41 x 26 cm



PPE Rucksack

Made of dirt-resistant, robust nylon, equipped with splash-resistant zippers. Carabiner loop for the transport on the rope. Inside 8 compartments and pockets to keep your equipment tidy. 4 straps to fix equipment. Capacity 45 L, dimensions 70 x 30 x 17 cm.

Product No.	color
PSA-VT-88310-017	black
PSA-VT-88310-200	red



Protective equipment

Rigging gloves

Black calfskin with inside hand reinforcement. Thumb and forefinger without tips. With velcro strip.

Product No.	size
PSA-VT-RH-B-1M	M
PSA-VT-RH-B-2L	L
PSA-VT-RH-B-3XL	XL
PSA-VT-RH-B-4XXL	XXL



Height safety device EN 360

Steel rope zinc coated 5 mm with carabiner. Spring return with 1.5 kg load. Black enclosure, anti-slip ABS plastic. Interior made of aluminium, with installed fall indicator for maintenance. Approved for horizontal use according to RFU.

Product No.	dimensions	weight	rope length
PSA-VT-HSG-10	275 x 180 x 80 mm	3,70 kg	10,00 m
PSA-VT-HSG-15	375 x 265 x 100 mm	6,00 kg	15,00 m
PSA-VT-HSG-20	375 x 265 x 100 mm	6,50 kg	20,00 m



Helmet 'Air'

EN 397

With ventilation holes. In grey or black.

The chin strap system opens for safety reasons opens at 25 daN when the helmet is jammed.

Product No.	size	color	weight
PSA-VT-88499-017	54- 60 mm	black	445 g
PSA-VT-88499-663	54- 60 mm	grey	445 g



Aluminium carabiner

EN 262, EN 12275

With screw gate. For use with rigging plates, pulleys, rope clamps and for positioning of anchor points.

Product No.	weight	dimensions
PSA-VT-83782	75 g	110 x 60 mm



Cell Phone Bag

Well padded with a clip, velcro tape and carabiner loop. With a zipper compartment.

Product No.	weight	dimensions
PSA-VT-88320	50 g	140 x 60 x 30 mm



Stuff bag

Harness bag with drawcord for accessories, gloves, mobile phones, tools and everything.

Product No.	capacity	dimensions
PSA-VT-88314	2,3 ltr.	16 x 10 cm



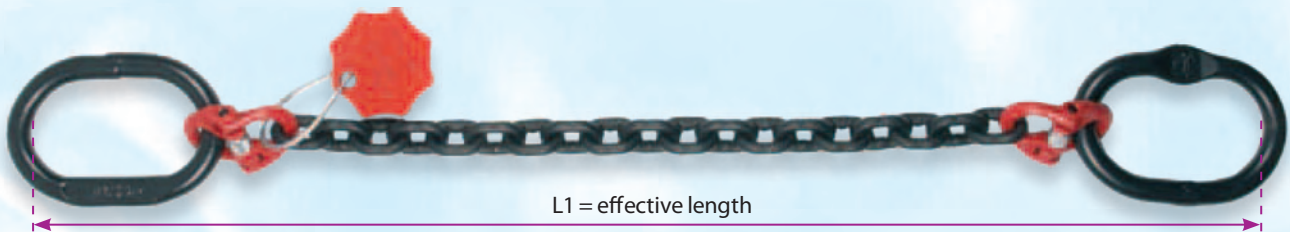
Chain slings with masterlink

Grade 80 high-tensile, black painted



Chain sling 1 leg

Product No.	Dia.	WLL 0°	L1	1 m	2 m	3 m	4 m	+1 m
AK1-B-06-8-AR-	6 mm	1,12 t						
AK1-B-08-8-AR-	8 mm	2,00 t						
AK1-B-10-8-AR-	10 mm	3,15 t						



Chain sling 1 leg with shortening hook, self locking

Product No.	Dia.	WLL 0°	L1	1 m	2 m	3 m	4 m	+1 m
AK1-B-06-8-AR-1OKF-	6 mm	1,12 t						
AK1-B-08-8-AR-1OKF-	8 mm	2,00 t						
AK1-B-10-8-AR-1OKF-	10 mm	3,15 t						



Shortening hook OKF



Chain sling 1 leg with clevis shortening clutches locked

Product No.	Dia.	WLL 0°	L1	1 m	2 m	3 m	4 m	+1 m
AK1-B-06-8-AR-1VKS-	6 mm	1,12 t						
AK1-B-08-8-AR-1VKS-	8 mm	2,00 t						
AK1-B-10-8-AR-1VKS-	10 mm	3,15 t						



Clevis shortening clutch VKS



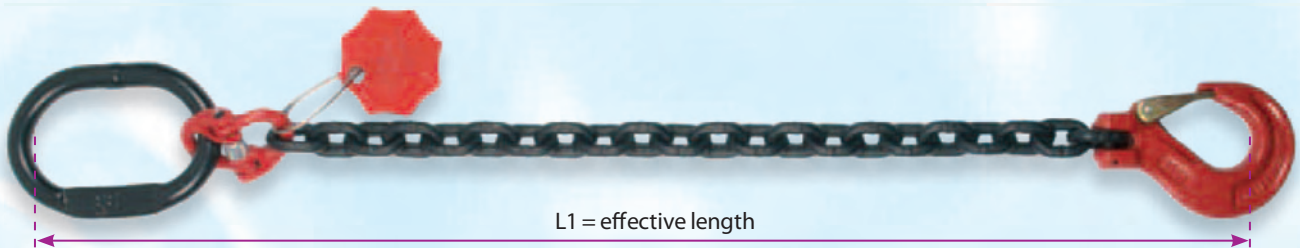
Chain slings with loadhook

Grade 80 high-tensile, black painted



Chain sling 1 leg

Product No.	Dia.	WLL 0°	L1	1 m	2 m	3 m	4 m	+1 m
AK1-B-06-8-LHG-	6 mm	1,12 t						
AK1-B-08-8-LHG-	8 mm	2,00 t						
AK1-B-10-8-LHG-	10 mm	3,15 t						



Chain sling 1 leg with shortening hook, self locking

Product No.	Dia.	WLL 0°	L1	1 m	2 m	3 m	4 m	+1 m
AK1-B-06-8-LHG-1OKF-	6 mm	1,12 t						
AK1-B-08-8-LHG-1OKF-	8 mm	2,00 t						
AK1-B-10-8-LHG-1OKF-	10 mm	3,15 t						



Shortening hook OKF



Chain sling 1 leg with clevis shortening clutches locked

Product No.	Dia.	WLL 0°	L1	1 m	2 m	3 m	4 m	+1 m
AK1-B-06-8-LHG-1VKS-	6 mm	1,12 t						
AK1-B-08-8-LHG-1VKS-	8 mm	2,00 t						
AK1-B-10-8-LHG-1VKS-	10 mm	3,15 t						



Clevis shortening clutch VKS

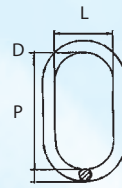


Chain parts for chain slings Grade 80

Masterlink

Made in Germany Black painted.

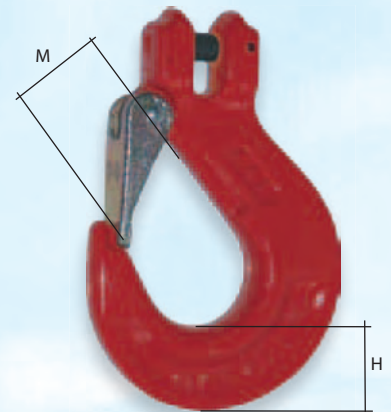
Product No.	1 leg	WLL 0°	2 legs	0°-45°	D x P x L	weight	€
AR-13-8-B	6/7 mm	1,50 t	6 mm	1,60 t	13 x 110 x 60 mm	0,34 kg	
AR-16-8-B	8 mm	2,00 t	7 mm	2,12 t	16 x 110 x 60 mm	0,53 kg	
AR-18-8-B	10 mm	3,15 t	8 mm	2,80 t	18 x 135 x 75 mm	0,92 kg	



Clevis sling hook

Red painted, with forged steel latch.

Product No.	Chain Dia.	WLL	M x H	weight
LHG 06-8	6 mm	1,12 t	19 x 20 mm	0,24 kg
LHG 07/08-8	7/8 mm	2,00 t	26 x 28 mm	0,53 kg
LHG 10-8	10 mm	3,15 t	31 x 33 mm	0,95 kg



Forged steel replacement set

For load hook type LHO and LHG, consisting of latch, spring and bolt.

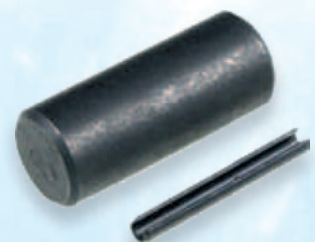
Product No.	Chain Dia.	WLL	weight
EG-LHO/LHG-06-8-G	6 mm	1,12 t	0,03 kg
EG-LHO/LHG-07/08-8-G	7/8 mm	2,00 t	0,04 kg
EG-LHO/LHG-10-8-G	10 mm	3,15 t	0,06 kg



Replacement set bolt and pin

For clevis hook and shortening clutch.

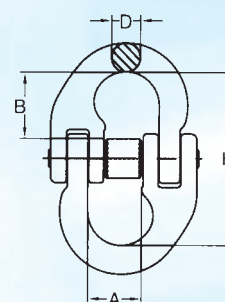
Product No.	Chain Dia.
LHG 06-8-BO+SS	6 mm
LHG 07/08-8-BO+SS	8 mm
LHG 10-8-BO+SS	10 mm



Universal connecting link

Red painted, with bolt and tension sleeve.

Product No.	Chain Dia.	WLL	dimensions (mm)				weight
			A	B	D	H	
UV 06-8	6 mm	1,12 t	14	18	7	48	0,09 kg
UV 07/08-8	7/8 mm	2,00 t	20	22	9	56	0,15 kg
UV 10-8	10 mm	3,15 t	26	26	12	68	0,31 kg



Chain parts for chain slings Grade 80

Three-member piece according to EN 818-2

Black painted.

Product No.	Dia.	WLL	Partition	weight	€
DGS 06-8	6 mm	1,12 t	6 x 18 x 22,2 mm	0,04 kg	
DGS 08-8	8 mm	2,00 t	8 x 24 x 29,6 mm	0,10 kg	
DGS 10-8	10 mm	3,15 t	10 x 30 x 37,0 mm	0,20 kg	




Steel chain according to EN 818-2

Black painted.

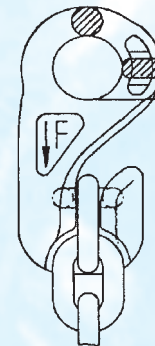
Product No.	Dia.	WLL	Partition	weight
K-5687-06.0-8-SW	6 mm	1,12 t	6 x 18 x 22,2 mm	0,80 kg
K-5687-08.0-8-SW	8 mm	2,00 t	8 x 24 x 29,6 mm	1,40 kg
K-5687-10.0-8-SW	10 mm	3,15 t	10 x 30 x 37,0 mm	2,20 kg



Shortening hookself-locking

Black painted. Self-locking under load against accidental pull-out.
In case of proper shortening, the marking  must be visible for the user.

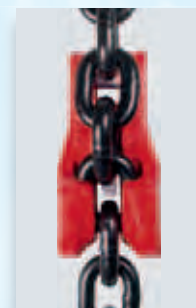
Product No.	Chain Dia.	WLL	weight
OKF-06-8	6 mm	1,12 t	0,20 kg
OKF-08-8	8 mm	2,00 t	0,50 kg
OKF-10-8	10 mm	3,15 t	0,90 kg



Clevis shortening clutch with locking device

Red painted, with bolt and spring pin.

Product No.	Chain Dia.	WLL	weight
VKS-06-8	6 mm	1,12 t	0,30 kg
VKS-08-8	8 mm	2,00 t	0,50 kg
VKS-10-8	10 mm	3,15 t	1,00 kg



example of use



Load identification

For single sling lifting chains Grade 80 EN 818-4.

Product No.	weight
BKZ 5687/88-EIN	0,11 kg





Safety ropes **Blackline** according to BGV-C1

With 2 thimbles according to DIN 6899 type BF and cylindrical wire rope clamps according to DIN 3093 A. Black wire rope according to EN 12385-4. Construction 7 x 19 with steel core. Carabiner with sleeve nut, cannot thread-out according to BGI-810-3. Identification Label with rope diameter, capacity and manufacturer's instructions.

Product No.	rope Ø	length	BGI-810
SAFETY-03B-FWK-00.60	3 mm	0,60 m	5 kg
SAFETY-03B-FWK-00.80	3 mm	0,80 m	5 kg
SAFETY-03B-FWK-01.00	3 mm	1,00 m	9 kg
SAFETY-04B-FWK-00.60	4 mm	0,60 m	10 kg
SAFETY-04B-FWK-00.80	4 mm	0,80 m	10 kg
SAFETY-04B-FWK-01.00	4 mm	1,00 m	16 kg
SAFETY-05B-FWK-00.60	5 mm	0,60 m	15 kg
SAFETY-05B-FWK-00.80	5 mm	0,80 m	15 kg
SAFETY-05B-FWK-01.00	5 mm	1,00 m	25 kg
SAFETY-05B-FWK-01.50	5 mm	1,50 m	25 kg
SAFETY-06B-FWK-00.60	6 mm	0,60 m	22 kg
SAFETY-06B-FWK-00.80	6 mm	0,80 m	22 kg
SAFETY-06B-FWK-01.00	6 mm	1,00 m	36 kg
SAFETY-06B-FWK-01.50	6 mm	1,50 m	36 kg

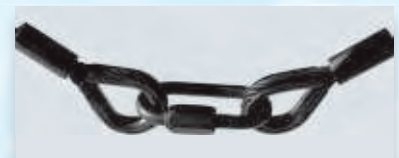


Safety ropes **Blackline**

Black wire rope zinc coated similar to EN 12385-4, construction 7 x 19 with steel core. Two black thimbles with cylindrical black painted ferrules according to DIN 3093A. Lifting capacity information according to BGI-810-3 from a length of 1.0 m.



Product No.	rope Ø	BGI-810	1 m	2 m	3 m	4 m	± 1 m
AS-03-B-KK-	3 mm	bis 8 kg					
AS-04-B-KK-	4 mm	bis 15 kg					
AS-05-B-KK-	5 mm	bis 25 kg					
AS-06-B-KK-	6 mm	bis 35 kg					
AS-08-B-KK-	8 mm	bis 60 kg					



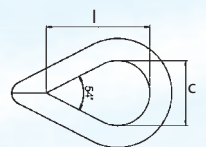
example of use

Rope for rope holder **Blackline**

Black wire rope similar to EN 12385-4. Construction 7 x 19 with steel core. With a black thimble according to DIN 6899 type BF. Ferrule according to DIN 3093A varnished black. Cable end tin-coated. Lifting capacity information for wire rope according to BGV-C1. Suitable for wire rope holder.



Product No.	rope Ø	BGV-C1	l	c	1 m	2 m	3 m	4 m	5 m	6 m	± 1 m
AS-04-B-1K	4 mm	80 kg	21 mm	13 mm							
AS-05-B-1K	5 mm	130 kg	23 mm	14 mm							
AS-06-B-1K	6 mm	190 kg	25 mm	16 mm							
AS-08-B-1K	8 mm	330 kg	32 mm	20 mm							
AS-06-B-1K30	6 mm	190 kg	50 mm	32 mm							
AS-08-B-1K35	8 mm	330 kg	58 mm	35 mm							



Safety ropes and rope for rope holder zinc coated



Safety ropes with thimbles and carabiners according to BGV-C1

With 2 thimbles according to DIN 6899 type BF and cylindrical wire rope clamps according to DIN 3093 A. Wire rope zinc coated according to EN 12385-4. Construction 6 x 19 with fibre core. Zinc coated carabiner with sleeve nut, cannot thread-out according to BGI-810-3. Identification Label with rope diameter, capacity and manufacturer's instructions.

Product No.	rope Ø	length	BGI-810
SAFETY-03-FWK6-00.40	3 mm	0,40 m	–
SAFETY-03-FWK6-00.60	3 mm	0,60 m	5 kg
SAFETY-03-FWK6-00.80	3 mm	0,80 m	5 kg
SAFETY-03-FWK6-01.00	3 mm	1,00 m	9 kg
SAFETY-04-FWK6-00.40	4 mm	0,40 m	–
SAFETY-04-FWK6-00.60	4 mm	0,60 m	10 kg
SAFETY-04-FWK6-00.80	4 mm	0,80 m	10 kg
SAFETY-04-FWK6-01.00	4 mm	1,00 m	16 kg
SAFETY-05-FWK8-00.60	5 mm	0,60 m	15 kg
SAFETY-05-FWK8-00.80	5 mm	0,80 m	15 kg
SAFETY-05-FWK8-01.00	5 mm	1,00 m	25 kg
SAFETY-05-FWK8-01.50	5 mm	1,50 m	25 kg
SAFETY-06-FWK8-00.60	6 mm	0,60 m	22 kg
SAFETY-06-FWK8-00.80	6 mm	0,80 m	22 kg
SAFETY-06-FWK8-01.00	6 mm	1,00 m	36 kg
SAFETY-06-FWK8-01.50	6 mm	1,50 m	36 kg



Safety ropes with thimbles, zinc coated

Wire rope zinc coated similar to EN 12385-4, construction 6 x 19 with fibre core. Two thimbles with cylindrical ferrules according to DIN 3093A. Lifting capacity information according to BGI-810-3 from a length of 1.0 m.



Product No.	rope Ø	BGI-810	1 m	2 m	3 m	4 m	±1 m
AS-03-KK-	3 mm	up to 8 kg					
AS-04-KK-	4 mm	up to 16 kg					
AS-05-KK-	5 mm	up to 25 kg					
AS-06-KK-	6 mm	up to 36 kg					
AS-08-KK-	8 mm	up to 64 kg					



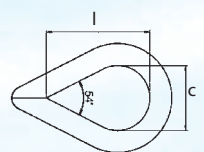
example of use

Rope for rope holder galvanized

Wire rope according to EN 12385-4. Construction 6 x 19 with fibre core. With one thimble according to DIN 6899 type BF. Cable end tin-coated. Lifting capacity information for wire rope according to BGV-C1. Suitable for wire rope holder.



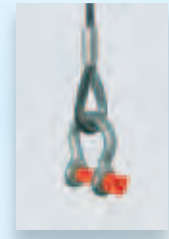
Product No.	rope Ø	BGV-C1	l	c	1 m	2 m	3 m	4 m	5 m	6 m	±1 m
AS-04-1K	4 mm	80 kg	21 mm	13 mm							
AS-05-1K	5 mm	130 kg	23 mm	14 mm							
AS-06-1K	6 mm	190 kg	25 mm	16 mm							
AS-08-1K	8 mm	330 kg	32 mm	20 mm							
AS-06-1K30	6 mm	190 kg	50 mm	32 mm							
AS-08-1K35	8 mm	330 kg	58 mm	35 mm							



Rigging ropes and shackle

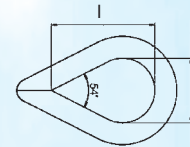
Rigging rope according to EN 13414 with 2 special thimbles

Wire rope zinc coated according to EN 12385-4 with cylindrical ferrules according to EN 13411-3A. Thimble on both sides with **particularly large openings**. With CE marking and manufacturer symbol on the ferrule. Lifting capacity information according to BGI-810-3 safety factor 10.



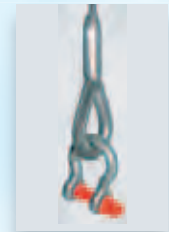
example of use

Product No.	rope Ø	BGI-810	l	c	1 m	2 m	3 m	4 m	±1 m
AS-08-KK35-	8 mm	350 kg	58 mm	35 mm					
AS-10-KK40-	10 mm	500 kg	65 mm	40 mm					
AS-12-KK40-	12 mm	750 kg	66 mm	40 mm					
AS-14-KK50-	14 mm	1.000 kg	80 mm	50 mm					
AS-16-KK50-	16 mm	1.350 kg	78 mm	50 mm					



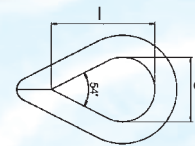
Rigging rope according to EN 13414 with 2 special thimbles **conical pressing**

Wire rope zinc coated according to EN 12385-4 with cylindrical-conical ferrules according to EN 13411-3C. Thimble on both sides with **particularly large openings**. With CE marking and manufacturer symbol on the ferrule. Lifting capacity information according to BGI-810-3 safety factor 10.



example of use

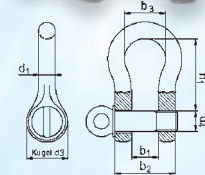
Product No.	rope Ø	BGI-810	l	c	1 m	2 m	3 m	4 m	±1 m
AS-08-KK35-K-	8 mm	350 kg	58 mm	35 mm					
AS-10-KK40-K-	10 mm	500 kg	65 mm	40 mm					
AS-12-KK40-K-	12 mm	750 kg	66 mm	40 mm					
AS-14-KK50-K-	14 mm	1.000 kg	80 mm	50 mm					
AS-16-KK50-K-	16 mm	1.350 kg	78 mm	50 mm					



Shackle high tensile steel, drop forged, hot dip galvanized, with screw collar pin

U.S. Federal Specification RR-C-271 according to EN 13889, CE stamped, safety factor 6.

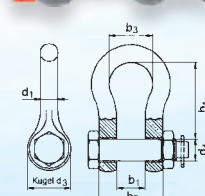
Product No.	WLL	b1	b2	b3	d1	d3	d4	h1	kg/pc	PU
SH1-00.33	0,33 t	9,5 mm	21 mm	16 mm	5 mm	12,5 mm	6 mm	22 mm	0,02 kg	25
SH1-00.50	0,50 t	12 mm	25 mm	19 mm	6 mm	17 mm	8 mm	28 mm	0,05 kg	25
SH1-00.75	0,75 t	13 mm	29 mm	21 mm	8 mm	21 mm	10 mm	31 mm	0,08 kg	25
SH1-01.00	1,00 t	16 mm	36 mm	26 mm	10 mm	26 mm	12 mm	36 mm	0,14 kg	25
SH1-01.50	1,50 t	18 mm	40 mm	29 mm	11 mm	28 mm	14 mm	42 mm	0,22 kg	25
SH1-02.00	2,00 t	21 mm	47 mm	33 mm	13 mm	30 mm	16 mm	48 mm	0,33 kg	25
SH1-03.25	3,25 t	27 mm	59 mm	43 mm	16 mm	42 mm	20 mm	60 mm	0,65 kg	20
SH1-04.75	4,75 t	32 mm	70 mm	51 mm	19 mm	48 mm	22 mm	71 mm	0,97 kg	10
SH1-06.50	6,50 t	36 mm	80 mm	58 mm	22 mm	57 mm	27 mm	84 mm	1,46 kg	5



Shackle high tensile steel, drop forged, hot dip galvanized, with bolt, hex nut and pin

U.S. Federal Specification RR-C-271 according to EN 13889, CE stamped, safety factor 6

Product No.	WLL	b1	b2	b3	d1	d3	d4	h1	kg/pc	PU
SH2-00.33	0,33 t	9,5 mm	21 mm	16 mm	5 mm	12,5 mm	6 mm	22 mm	0,02 kg	25
SH2-00.50	0,50 t	12 mm	25 mm	19 mm	6 mm	17 mm	8 mm	28 mm	0,07 kg	25
SH2-00.75	0,75 t	13 mm	29 mm	21 mm	8 mm	21 mm	10 mm	31 mm	0,10 kg	20
SH2-01.00	1,00 t	16 mm	36 mm	26 mm	10 mm	26 mm	12 mm	36 mm	0,18 kg	10
SH2-01.50	1,50 t	18 mm	40 mm	29 mm	11 mm	28 mm	14 mm	42 mm	0,25 kg	5
SH2-02.00	2,00 t	21 mm	47 mm	33 mm	13 mm	30 mm	16 mm	48 mm	0,37 kg	5
SH2-03.25	3,25 t	27 mm	59 mm	43 mm	16 mm	42 mm	20 mm	60 mm	0,71 kg	4
SH2-04.75	4,75 t	32 mm	70 mm	51 mm	19 mm	48 mm	22 mm	71 mm	1,27 kg	3
SH2-06.50	6,50 t	36 mm	80 mm	58 mm	22 mm	57 mm	27 mm	84 mm	1,78 kg	1

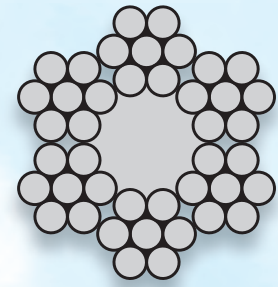


Wire rope and equipment

Wire rope galvanized, EN 12385-4 DIN 3055 construction 6x7+FC

Suitable for bracing only.

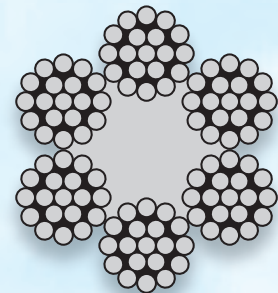
Product No.	rope Ø	MB/BL	kg/100 m
RS-3055-FE-01.5-ZN	1,5 mm	180 kg	1,20 kg
RS-3055-FE-02.0-ZN	2,0 mm	239 kg	1,43 kg
RS-3055-FE-03.0-ZN	3,0 mm	538 kg	3,22 kg
RS-3055-FE-04.0-ZN	4,0 mm	957 kg	5,72 kg
RS-3055-FE-05.0-ZN	5,0 mm	1.500 kg	8,94 kg
RS-3055-FE-06.0-ZN	6,0 mm	2.150 kg	12,90 kg



Wire rope galvanized, EN 12385-4 DIN 3060 construction 6x19+FC

As a safety rope for event equipment and technology according to BGI-810-3.

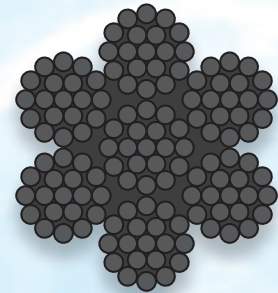
Product No.	rope Ø	MB/BL	kg/100 m
RS-3060-FE-03.0-ZN	3,0 mm	498 kg	3,11 kg
RS-3060-FE-04.0-ZN	4,0 mm	885 kg	5,54 kg
RS-3060-FE-05.0-ZN	5,0 mm	1.380 kg	8,65 kg
RS-3060-FE-06.0-ZN	6,0 mm	1.990 kg	12,50 kg
RS-3060-FE-08.0-ZN	8,0 mm	3.540 kg	22,10 kg
RS-3060-FE-10.0-ZN	10,0 mm	5.530 kg	34,60 kg



Wire rope Blackline according to EN 12385-4 (DIN 3060), construction 7x19+WSC

As a safety rope for event equipment and technology according to BGI-810-3 from 3 mm rope diameter.

Product No.	rope Ø	MB/BL	kg/reel	m/reel
RS-3055-B-01.5	1,5 mm	180 kg	5,0 kg	500 m
RS-3055-B-02.0	2,0 mm	240 kg	8,5 kg	500 m
RS-3060-B-03.0	3,0 mm	500 kg	19,0 kg	500 m
RS-3060-B-04.0	4,0 mm	900 kg	33,0 kg	500 m
RS-3060-B-05.0	5,0 mm	1.400 kg	52,0 kg	500 m
RS-3060-B-06.0	6,0 mm	2.000 kg	74,0 kg	500 m
RS-3060-B-08.0	8,0 mm	3.600 kg	66,0 kg	250 m



MB = minimum breaking force

Aluminium press clips EN 13411-3

Formerly DIN 3093/Z, oval shape for wire ropes.

Product No.	rope Ø
APK 3093/Z-01.0	1,0 mm
APK 3093/Z-01.5	1,5 mm
APK 3093/Z-02.0	2,0 mm
APK 3093/Z-02.5	2,5 mm
APK 3093/Z-03.0	3,0 mm
APK 3093/Z-04.0	4,0 mm
APK 3093/Z-05.0	5,0 mm
APK 3093/Z-06.0	6,0 mm



Nico-Press-Clips, material copper galvanized for wire ropes.

Product No.	rope Ø
NPK-01.5-02.0	1,5-2,5 mm
NPK-02.5	2,5 mm
NPK-03.0-03.5	3,0-3,5 mm
NPK-04.0-04.5	4,0-4,5 mm
NPK-05.0	5,0 mm
NPK-06.0	6,0 mm



Rope cutter

For rope construction 6x7 and 6x19.

Product No.	rope Ø
DSS-05	bis 5 mm
DSS-08	bis 8 mm
DSS-12	bis 12 mm



Joining clamp

For press clips 1,5-5,0 mm

Product No.	rope Ø
NPK-ZANGE-01.5-02.5	1,5-2,5 mm
NPK-ZANGE-02.0-06.0	1,5-5,0 mm

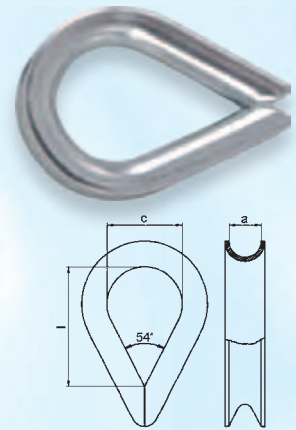


Thimbles, wire rope clips and spring pins

Thimbles galvanized, medium weight, deep welded type

Made in Europe. Similar DIN 6899 form B.

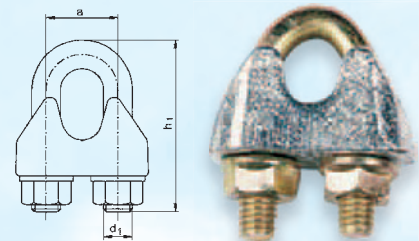
Product No.	rope Ø	a	l	c	wpp	PU
KAU6899/B-02.0-ZN	2 mm	3 mm	19 mm	12 mm	0,5 kg	100
KAU6899/B-03.0-ZN	3 mm	4 mm	21 mm	13 mm	0,8 kg	100
KAU6899/B-04.0-ZN	4 mm	5 mm	23 mm	14 mm	1,0 kg	100
KAU6899/B-05.0-ZN	5 mm	6 mm	25 mm	16 mm	1,6 kg	100
KAU6899/B-06.0-ZN	6 mm	7 mm	28 mm	18 mm	1,9 kg	100
KAU6899/B-07.0-ZN	7 mm	8 mm	32 mm	20 mm	3,0 kg	100
KAU6899/B-08.0-ZN	8 mm	10 mm	38 mm	24 mm	4,7 kg	50
KAU6899/B-10.0-ZN	10 mm	12 mm	45 mm	28 mm	6,8 kg	50



Safety wire rope clips galvanized / yellow chromated

Formerly DIN 1142. Suitable for bracing.

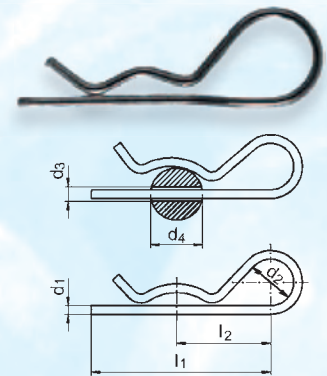
Product No.	rope Ø	d1	h1	a	weight	PU
DSK1142-00.50	5 mm	M5	25 mm	12 mm	0,021 kg	100
DSK1142-00.65	6 mm	M6	32 mm	14 mm	0,040 kg	100
DSK1142-00.80	8 mm	M8	41 mm	18 mm	0,082 kg	50
DSK1142-01.00	10 mm	M8	46 mm	20 mm	0,092 kg	50



Spring pins single type

Spring pins galvanized, single type, material spring steel wire.

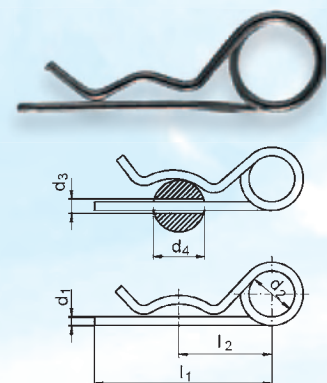
Product No.	d1	d2	l1	l2	d3	d4	wpp	PU
FSE 02.00-ZN	2 mm	10 mm	50 mm	25 mm	2,5 mm	9-14 mm	0,30 kg	1000
FSE 03.00-ZN	3 mm	18 mm	60 mm	28 mm	3,5 mm	10-16 mm	0,90 kg	1000
FSE 04.00-ZN	4 mm	20 mm	60 mm	30 mm	4,5 mm	16-20 mm	1,60 kg	500
FSE 05.00-ZN	5 mm	24 mm	85 mm	40 mm	6,0 mm	20-28 mm	3,30 kg	500
FSE 06.00-ZN	6 mm	30 mm	105 mm	50 mm	7,0 mm	28-40 mm	6,20 kg	250
FSE 07.00-ZN	7 mm	30 mm	105 mm	50 mm	8,0 mm	28-45 mm	8,30 kg	250
FSE 08.00-ZN	8 mm	28 mm	110 mm	55 mm	9,0 mm	30-45 mm	10,50 kg	100



Spring pins double type

Spring pins galvanized, double type, material spring steel wire.

Product No.	d1	d2	l1	l2	d3	d4	wpp	PU
FSD 02.00-ZN	2 mm	10 mm	50 mm	25 mm	2,5 mm	8-14 mm	0,40 kg	1000
FSD 03.00-ZN	3 mm	16 mm	62 mm	32 mm	3,5 mm	14-20 mm	1,40 kg	500
FSD 04.00-ZN	4 mm	23 mm	78 mm	44 mm	4,5 mm	17-24 mm	3,00 kg	500
FSD 05.00-ZN	5 mm	26 mm	92 mm	50 mm	5,5 mm	18-30 mm	5,30 kg	250
FSD 06.00-ZN	6 mm	30 mm	120 mm	70 mm	6,5 mm	24-36 mm	9,60 kg	250
FSD 07.00-ZN	7 mm	30 mm	130 mm	72 mm	8,0 mm	24-40 mm	13,50 kg	-
FSD 08.00-ZN	8 mm	30 mm	130 mm	76 mm	9,0 mm	24-45 mm	17,80 kg	-



Ring nuts and ring screws

Ring nut DIN 582 galvanized, drop forged

Stamped with WLL and CE.

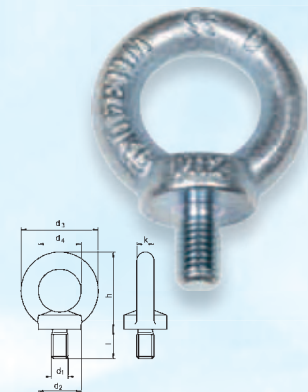
Product No.	WLL	d1	d2	d4	h	k	wpp	PU
RIM 582-M06-ZN	140 kg	M6	17 mm	16 mm	31 mm	6 mm	4,8 kg	50
RIM 582-M08-ZN	140 kg	M8	20 mm	20 mm	36 mm	8 mm	5,0 kg	50
RIM 582-M10-ZN	230 kg	M10	25 mm	25 mm	45 mm	10 mm	9,0 kg	25
RIM 582-M12-ZN	360 kg	M12	30 mm	30 mm	53 mm	12 mm	16,0 kg	25
RIM 582-M14-ZN	360 kg	M14	35 mm	35 mm	62 mm	14 mm	24,0 kg	10
RIM 582-M16-ZN	700 kg	M16	35 mm	35 mm	62 mm	14 mm	24,0 kg	10
RIM 582-M20-ZN	1200 kg	M20	40 mm	40 mm	71 mm	16 mm	36,0 kg	5



Ring screw DIN 580 galvanized, drop forged

Stamped with WLL and CE.

Product No.	WLL	d1	d2	d4	h	k	wpp	PU
RIS 580-M06-ZN	140 kg	M6	17 mm	16 mm	31 mm	6 mm	5,0 kg	50
RIS 580-M08-ZN	140 kg	M8	20 mm	20 mm	36 mm	8 mm	6,0 kg	50
RIS 580-M10-ZN	230 kg	M10	25 mm	25 mm	45 mm	10 mm	11,0 kg	25
RIS 580-M12-ZN	360 kg	M12	30 mm	30 mm	53 mm	12 mm	18,0 kg	25
RIS 580-M14-ZN	360 kg	M14	35 mm	35 mm	62 mm	14 mm	28,0 kg	10
RIS 580-M16-ZN	700 kg	M16	35 mm	35 mm	62 mm	14 mm	28,0 kg	10
RIS 580-M20-ZN	1200 kg	M20	40 mm	40 mm	71 mm	16 mm	45,0 kg	5

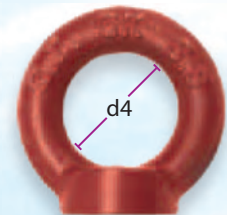


Ring nut high tensile steel, drop forged,

Red painted. Quality Grade 80 and stamped with CE.

Product No.	WLL 0°	WLL 90°	d4
RIM HF-M06	400 kg	100 kg	25 mm
RIM HF-M08	800 kg	200 kg	25 mm
RIM HF-M10	1000 kg	250 kg	25 mm
RIM HF-M12	1600 kg	400 kg	35 mm

Product No.	WLL 0°	WLL 90°	d4
RIM HF-M14	3000 kg	750 kg	35 mm
RIM HF-M16	4000 kg	1000 kg	35 mm
RIM HF-M18	5000 kg	1250 kg	50 mm
RIM-HF-M20	6000 kg	1500 kg	50 mm



Ring screw high tensile steel, drop forged -one-piece

Red painted. Quality Grade 80 and stamped with CE.

Product No.	WLL 0°	WLL 90°	a
RIS HF-M06	400 kg	100 kg	13 mm
RIS HF-M08	800 kg	200 kg	13 mm
RIS HF-M10	1000 kg	250 kg	17 mm
RIS HF-M12	1600 kg	400 kg	22 mm

Product No.	WLL 0°	WLL 90°	a
RIS HF-M14	3000 kg	750 kg	25 mm
RIS HF-M16	4000 kg	1000 kg	29 mm
RIS HF-M18	5000 kg	1250 kg	29 mm
RIS HF-M20	6000 kg	1500 kg	30 mm



Ring screw high tensile steel, drop forged -two-piece, rotatable 360°

Red painted. Quality Grade 80 and stamped with CE.

Product No.	WLL 0°	WLL 90°	a	€
RIS-2-HF-M06	400 kg	100 kg	13 mm	
RIS-2-HF-M08	800 kg	200 kg	15 mm	
RIS-2-HF-M10	1000 kg	250 kg	17 mm	
RIS-2-HF-M12	1600 kg	400 kg	22 mm	

Product No.	WLL 0°	WLL 90°	a	€
RIS-2-HF-M14	3000 kg	750 kg	26 mm	
RIS-2-HF-M16	4000 kg	1000 kg	29 mm	
RIS-2-HF-M20	6000 kg	1500 kg	30 mm	
RIS-2-HF-M24	8000 kg	2000 kg	38 mm	



Carabiner with thimble

Carabiner for safety ropes, with an integrated thimble

Manufactured according to BGI-810-3. It is fitted with a sleeve nut and a screwed locking device. Stamped with manufacturer's name and the carrying capacity.

Product No. galvanized	dimensions	opening	thimble	WLL
FWK-06-080-K	80 x 6 mm	9 mm	4 mm	200 kg
FWK-08-100-K	100 x 8 mm	9 mm	6 mm	480 kg
Product No. Blackline	dimensions	opening	thimble	WLL
FWK-B-06-080-K	80 x 6 mm	9 mm	4 mm	200 kg
FWK-B-08-100-K	100 x 8 mm	9 mm	6 mm	480 kg

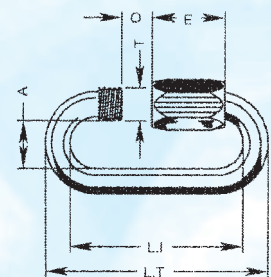


Quick links

Quick link standard type, galvanized

Made in Europe. With connecting nut. Tempered and stamped with CE and WLL, safety factor 5.

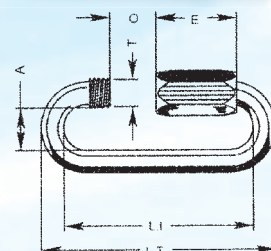
Product No.	WLL	Ø	L.T.	L.I.	A	O	E	T	wpp	PU
KSV-04.00-N	180 kg	4	39,5	31,5	11,5	5,5	12,5	6,0	1,50 kg	100
KSV-05.00-N	280 kg	5	49,5	39,5	13,0	6,5	16,0	7,0	2,50 kg	100
KSV-06.00-N	400 kg	6	57,0	45,0	14,5	7,5	19,0	9,0	4,10 kg	100
KSV-07.00-N	550 kg	7	66,0	52,0	16,0	8,5	21,5	10,0	6,00 kg	100
KSV-08.00-N	700 kg	8	74,0	58,0	17,5	11,0	24,0	11,0	9,10 kg	50
KSV-10.00-N	1.100 kg	10	89,0	69,0	20,5	12,0	29,0	13,0	15,70 kg	50
KSV-12.00-N	1.500 kg	12	104,5	80,5	23,5	15,0	33,0	15,0	26,80 kg	25



Quick link large opening type, galvanized

Made in Europe. With connecting nut. Tempered and stamped with CE and WLL, safety factor 5.

Product No.	WLL	Ø	L.T.	L.I.	A	O	E	T	wpp	PU
KSV-04.00-GO	160 kg	4	53,0	45,0	11,5	11,5	19,0	6,0	1,54 kg	100
KSV-05.00-GO	250 kg	5	62,0	52,0	13,0	13,0	22,0	7,0	2,57 kg	100
KSV-06.00-GO	350 kg	6	70,5	58,5	14,5	14,5	25,0	9,0	4,20 kg	100
KSV-07.00-GO	500 kg	7	79,0	65,0	16,0	16,0	28,0	10,0	6,15 kg	100
KSV-08.00-GO	650 kg	8	88,0	72,0	17,5	17,5	31,5	11,0	9,33 kg	50
KSV-10.00-GO	1.000 kg	10	105,5	85,5	20,5	20,5	36,0	13,0	16,10 kg	50
KSV-12.00-GO	1.250 kg	12	124,0	100,0	23,5	23,5	43,0	15,0	27,47 kg	25

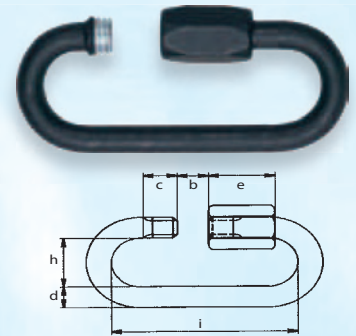


Quick links

Quick link DIN 56927 Form B **Blackline**

Manufactured according to BGV C-1 with a safety factor of 10.
It has a large opening, is painted black and stamped with the DIN standard, manufacturer's name and the carrying capacity.

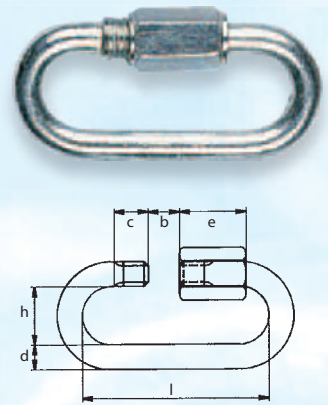
Product No.	WLL	d mm	c mm	e mm	i mm	h mm	b mm	wpp	PU
KSV-B-03.50-GO	50 kg	3,5	3,0	17,5	40,0	10,0	10,0	1,04 kg	100
KSV-B-05.00-GO	140 kg	5,0	4,0	23,4	52,5	13,1	13,2	2,36 kg	100
KSV-B-06.00-GO	200 kg	6,0	4,5	27,0	62,0	15,0	14,2	3,88 kg	50
KSV-B-08.00-GO	350 kg	8,0	5,5	32,1	73,4	18,0	16,6	8,80 kg	50



Quick link DIN 56927 Form A **galvanized**

Manufactured according to BGV C-1 with a safety factor of 10.
It has a compact shape, is galvanized and stamped with the DIN standard, manufacturer's name and the carrying capacity.

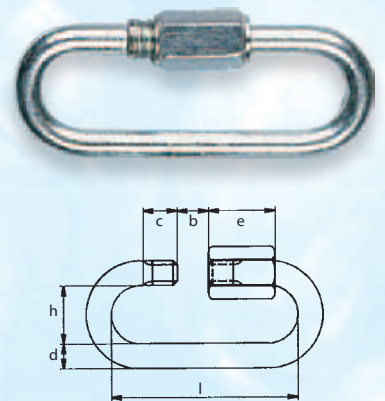
Product No.	WLL	d mm	c mm	e mm	l mm	h mm	b mm	wpp	PU
KSV 03.50-ZN	50 kg	3,5	2,0	11,0	29,0	10,0	5,0	0,82 kg	100
KSV 04.00-ZN	90 kg	4,0	2,5	12,5	31,5	11,5	5,5	1,18 kg	100
KSV 05.00-ZN	140 kg	5,0	3,0	16,0	39,5	13,0	6,5	2,05 kg	100
KSV 06.00-ZN	200 kg	6,0	4,0	19,0	45,0	14,5	7,5	3,50 kg	100
KSV 08.00-ZN	350 kg	8,0	5,5	24,0	58,0	17,5	11,0	7,85 kg	50
KSV 10.00-ZN	550 kg	10,0	7,0	29,0	69,0	20,5	12,0	14,56 kg	25
KSV 12.00-ZN	750 kg	12,0	8,5	33,0	80,5	23,5	15,0	23,47 kg	25



Quick link DIN 56927 Form B **galvanized**

Manufactured according to BGV C-1 with a safety factor of 10.
It has a large opening, is galvanized and stamped with the DIN standard, manufacturer's name and the carrying capacity.

Product No.	WLL	d mm	c mm	e mm	l mm	h mm	b mm	wpp	PU
KSV 04.00-GO	90 kg	4,0	2,5	19,0	45,0	11,5	11,5	1,50 kg	100
KSV 05.00-GO	140 kg	5,0	3,0	22,0	52,0	13,0	13,0	2,50 kg	100
KSV 06.00-GO	200 kg	6,0	4,0	25,0	58,5	14,5	14,5	4,30 kg	100
KSV 08.00-GO	350 kg	8,0	5,5	31,5	72,0	17,5	17,5	11,00 kg	50
KSV 10.00-GO	550 kg	10,0	7,0	36,0	85,5	20,5	20,5	17,20 kg	25
KSV 12.00-GO	750 kg	12,0	8,5	43,0	100,0	23,5	23,5	27,50 kg	25

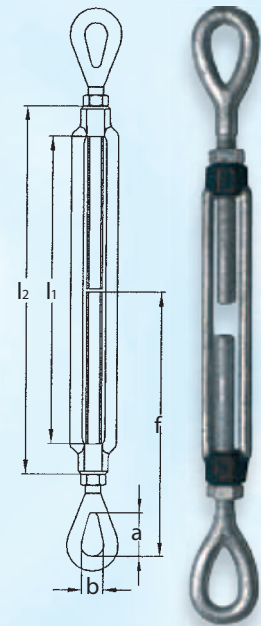


Turnbuckles high tensile

Eye/eye with extra long stretching capability

Zinc plated. Similar ASTM F1145-92. U.S. Federal Specification FF-T-791b safety factor 5.

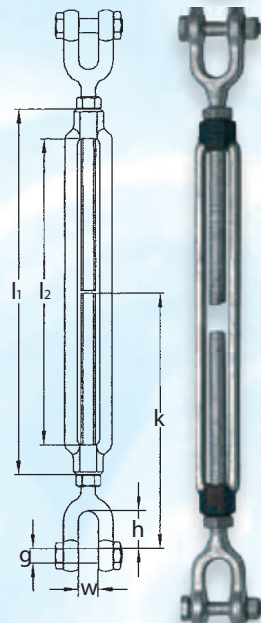
Product No.	WLL	l ₁ mm	l ₂ mm	a mm	b mm	f mm	weight
SOO-US-LANG-3/8-06	540 kg	180	152	28	13	137	0,4 kg
SOO-US-LANG-1/2-06	1.000 kg	190	152	36	18	153	0,7 kg
SOO-US-LANG-1/2-09	1.000 kg	266	228	36	18	193	0,8 kg
SOO-US-LANG-1/2-12	1.000 kg	342	304	36	18	228	1,0 kg
SOO-US-LANG-5/8-06	1.590 kg	200	152	44	22	177	1,1 kg
SOO-US-LANG-5/8-09	1.590 kg	276	228	44	22	217	1,3 kg
SOO-US-LANG-5/8-12	1.590 kg	352	304	44	22	252	1,6 kg
SOO-US-LANG-3/4-06	2.360 kg	210	152	54	25	196	1,8 kg
SOO-US-LANG-3/4-09	2.360 kg	287	228	54	25	236	2,1 kg
SOO-US-LANG-3/4-12	2.360 kg	362	304	54	25	271	2,4 kg
SOO-US-LANG-3/4-18	2.360 kg	515	457	54	25	351	3,1 kg
SOO-US-LANG-7/8-12	3.270 kg	372	304	60	31	287	3,6 kg
SOO-US-LANG-7/8-18	3.270 kg	524	457	60	31	367	4,4 kg
SOO-US-LANG-1/0-12	4.540 kg	381	304	76	36	323	5,1 kg
SOO-US-LANG-1/0-18	4.540 kg	533	457	76	36	403	6,3 kg



Jaw /jaw with extra long stretching capability

Zinc plated. Similar ASTM F1145-92. U.S. Federal Specification FF-T-791b safety factor 5.

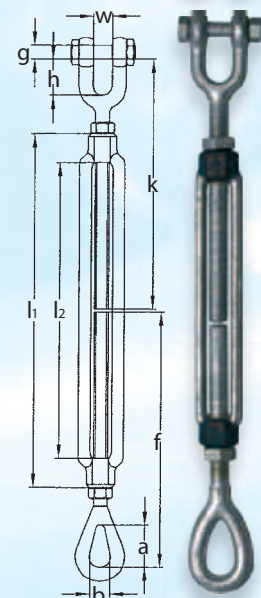
Product No.	WLL	l ₁ mm	l ₂ mm	w mm	h mm	g inch	k mm	weight
SGG-US-LANG-3/8-06	540 kg	180	152	12	22	5/16	137	0,5 kg
SGG-US-LANG-1/2-06	1.000 kg	190	152	16	27	3/8	147	0,8 kg
SGG-US-LANG-1/2-09	1.000 kg	266	228	16	27	3/8	187	0,9 kg
SGG-US-LANG-1/2-12	1.000 kg	342	304	16	27	3/8	222	1,1 kg
SGG-US-LANG-5/8-06	1.590 kg	200	152	19	33	1/2	161	1,3 kg
SGG-US-LANG-5/8-09	1.590 kg	276	228	19	33	1/2	201	1,5 kg
SGG-US-LANG-5/8-12	1.590 kg	352	304	19	33	1/2	236	1,7 kg
SGG-US-LANG-3/4-06	2.360 kg	210	152	23	38	5/8	173	2,0 kg
SGG-US-LANG-3/4-09	2.360 kg	287	228	23	38	5/8	213	2,4 kg
SGG-US-LANG-3/4-12	2.360 kg	362	304	23	38	5/8	248	2,7 kg
SGG-US-LANG-3/4-18	2.360 kg	515	457	23	38	5/8	328	3,4 kg
SGG-US-LANG-7/8-12	3.270 kg	372	304	28	44	3/4	266	4,0 kg
SGG-US-LANG-7/8-18	3.270 kg	524	457	28	44	3/4	346	4,9 kg
SGG-US-LANG-1/0-12	4.540 kg	381	304	30	52	7/8	286	5,6 kg
SGG-US-LANG-1/0-18	4.540 kg	533	457	30	52	7/8	366	6,8 kg



Jaw /eye with extra long stretching capability

Zinc plated. Similar ASTM F1145-92. U.S. Federal Specification FF-T-791b safety factor 5.

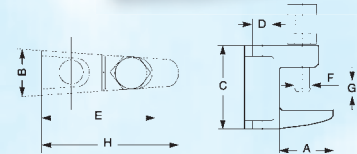
Product No.	WLL	l ₁ mm	l ₂ mm	a mm	b mm	f mm	w mm	h mm	g inch	k mm	weight
SGO-US-LANG-3/8-06	540 kg	180	152	28	13	137	12	22	5/16	137	0,4 kg
SGO-US-LANG-1/2-06	1.000 kg	190	152	36	18	153	16	27	3/8	147	0,7 kg
SGO-US-LANG-1/2-09	1.000 kg	266	228	36	18	193	16	27	3/8	187	0,9 kg
SGO-US-LANG-1/2-12	1.000 kg	342	304	36	18	228	16	27	3/8	222	1,1 kg
SGO-US-LANG-5/8-06	1.590 kg	200	152	44	22	177	19	33	1/2	161	1,2 kg
SGO-US-LANG-5/8-09	1.590 kg	276	228	44	22	217	19	33	1/2	201	1,4 kg
SGO-US-LANG-5/8-12	1.590 kg	352	304	44	22	252	19	33	1/2	236	1,6 kg
SGO-US-LANG-3/4-06	2.360 kg	210	152	54	25	196	23	38	5/8	173	1,9 kg
SGO-US-LANG-3/4-09	2.360 kg	287	228	54	25	236	23	38	5/8	213	2,2 kg
SGO-US-LANG-3/4-12	2.360 kg	362	304	54	25	271	23	38	5/8	248	2,6 kg
SGO-US-LANG-3/4-18	2.360 kg	515	457	54	25	351	23	38	5/8	328	3,2 kg
SGO-US-LANG-7/8-12	3.270 kg	372	304	60	31	287	28	44	3/4	266	3,8 kg
SGO-US-LANG-7/8-18	3.270 kg	524	457	60	31	367	28	44	3/4	346	4,7 kg
SGO-US-LANG-1/0-12	4.540 kg	381	304	76	36	323	30	52	7/8	286	5,3 kg
SGO-US-LANG-1/0-18	4.540 kg	533	457	76	36	403	30	52	7/8	366	6,5 kg



Beam clamp, turnbuckles and rope sockets, galvanized

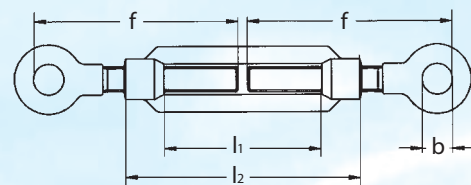
Beam clamp, body malleable cast iron with metric inside thread ore with through hole
 Certified according to VdS (UL,FM).

Product No.	D mm	Load max.	A mm	B mm	C mm	E mm	F mm	G mm	H mm	wpp
With metric inside thread										
TKL-M08	M08	120 kg	21	19	35	35	M08	18	38	8,1 kg
TKL-M10	M10	250 kg	23	41	42	41	M10	20	44	14,3 kg
TKL-M12	M12	350 kg	35	23,5	54	48	M10	26	58	21,6 kg
TKL-M16	M16	550 kg	30	29,5	58,3	55,5	M12	28	58	31,8 kg
With through hole										
TKL-09	Ø09	120 kg	21	19	35	35	M08	18	38	8,1 kg
TKL-11	Ø11	250 kg	23	41	42	41	M10	20	44	14,3 kg
TKL-13	Ø13	350 kg	35	23,5	54	48	M10	26	58	21,6 kg
TKL-17	Ø17	550 kg	30	29,5	58,3	55,5	M12	28	58	31,8 kg



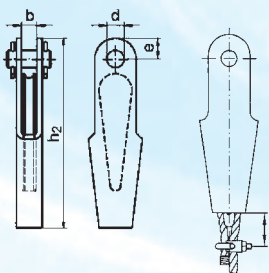
Turnbuckle galvanized with 2 eyes
 DIN 1480.

Product No.	l ₁ mm	l ₂ mm	f mm	b mm	wpp
SOO 1480-M06	108	84	76	9	9,0 kg
SOO 1480-M08	108	77	83	10	15,5 kg
SOO 1480-M10	126	88	90	14	27,0 kg
SOO 1480-M12	125	85	105	16	41,0 kg
SOO 1480-M14	140	93	114	18	60,0 kg
SOO 1480-M16	170	116	140	22	100,0 kg



Rope sockets DIN 15315, galvanized, with key, bolt washers and cotter pin

Product No.	for rope Ø	b	d	e	h2	weight
SKB 15315-05-ZN	4-5 mm	12 mm	10 mm	14 mm	110 mm	0,18 kg
SKB 15315-06-ZN	5-6 mm	10 mm	10 mm	16 mm	100 mm	0,21 kg
SKB 15315-08-ZN	6-8 mm	14 mm	12 mm	20 mm	150 mm	0,45 kg
SKB 15315-11-ZN	9-11 mm	17 mm	16 mm	26 mm	190 mm	0,21 kg



The clamp shall be installed between 20% and 40% of the cotter pin length away from the rope socket enclosure. This will prevent that the rope is deformed if the distance is too short, or that the cotter pin can fall out of the enclosure when the rope is released and the distance is too large.