



ÉSZAK FERR

**WIRE AND
LIFTING SYSTEM**

www.eszakferr.hu

ÉSZAK-FERR

ÉSZAK FERR LTD (with company seat in Miskolc) was established in 2010. The company has a wide scope of activities.

Our main activity areas:

- Ropes and lifting technologies
- Cargo securing
- Manufacturing plastic polyester ropes
- Insulation of automotive Bowden cable and other strands
- Manufacturing PVC granules
- Construction ropes
- Bronze and copper stranded
- Copper wire
- Earth wire

Although we are a young company we have several decades of experience as we combined the huge professional experience and youthful energy of our employees both in production and in sales. We provide the conditions required for the continuous testing of our products in our accredited laboratory. The key elements of our company's philosophy are innovation, continuous product development that adapts flexibly to the market requirements and training of the workforce.

The lifting technology products of Észak Ferr Ltd. have direct impact on the safety of life and property during use.

In order to satisfy the requirements of our customers as much as possible quality is given priority in all product categories manufactured by us throughout the entire manufacturing process, from procurement to sale.

We make efforts to become acquainted with the expectations of our customer and these expectations are met within the frame of a certified quality assurance system. Our major goal is customer satisfaction.

We trust in long-term collaboration and know that this takes us forward. Therefore we do our utmost to serve our customer as best we can.

We possess ISO 9001 quality assurance certificate.

Our company is member of the Hungarian Automotive Cluster.

We are secondary suppliers of Suzuki in Hungary and the Renault-Dacia group concerning automotive Bowden cables and other insulated strands.

We also have a large domestic market share in the manufacturing and sales of strands for the electric industry and the materials required for the overhead lines of railways and city traffic.

We manufacture cargo securing equipment for market leader Hungarian forwarders.

We have a major share on the domestic market with our ropes and lifting technologies. Our major references are ISD Dunafer Zrt. and Mátrai Erőmű Zrt.

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FLAT WEBBING EYE SLINGS

Flat webbing slings made of polyester as per EN 1492 are available with rated capacities up to 20 tonnes (straight lift). They are especially used for lifting loads that need a low contact pressure of the lifting sling or have a sensitive surface.

Flat webbing eye slings, double layer construction made of polyester as per EN 1492-1:2000

- made of impregnated polyester webbing
- colour coded rated capacity
- with woven-in capacity
- with reinforced eyes
- label with additional user instructions

típus	szélesség [mm]	teherbírás [kg]	szín	fülhossz [m]
FH30	30	1000	lila	0.25
FH60	60	2000	zöld	0.30
FH90	90	3000	sárga	0.40
FH120	120	4000	szürke	0.50
FH150	150	5000	piros	0.60
FH180	180	6000	barna	0.75



Teherbírési tényező	1.0	0.8	2.0	1.4	1.0	
1000kg	lila	1000kg	800kg	2000kg	1400kg	1000kg
2000kg	zöld	2000kg	1600kg	4000kg	2800kg	2000kg
3000kg	sárga	3000kg	2400kg	6000kg	4200kg	3000kg
4000kg	szürke	4000kg	3200kg	8000kg	5600kg	4000kg
5000kg	piros	5000kg	4000kg	10000kg	7000kg	5000kg
6000kg	barna	6000kg	4800kg	12000kg	8400kg	6000kg

Flat webbing eye slings

Flat webbing endless sling, single or double layer construction EN 1492-1:2000

- made of impregnated polyester webbing
- colour coded rated capacity
- with woven-in capacity stripes
- endless sewn
- label with additional user instructions



Single layer

Type	WLL in kg	Width	Colour-code
F0-1000	1000 kg	30 mm	purple
F0-2000	2000 kg	60 mm	green
F0-3000	3000 kg	90 mm	yellow
F0-4000	4000 kg	120 mm	gray
F0-5000	5000 kg	150 mm	red

Double layer

Type	WLL in kg	Width	Colour-code
F0D-2000	2000 kg	50 mm	green
F0D-4000	4000 kg	60 mm	gray
F0D-6000	6000 kg	90 mm	brown
F0D-8000	8000 kg	120 mm	blue
F0D-10000	10000 kg	150 mm	orange

ROUNDSLINGS MADE OF POLYESTER

The roundslings made of polyester type FK and FKE as per EN 1492-2 are produced from a colour-coded single or reinforced sleeve with woven-incapacity stripes. additionally the rated capacity is printed or woven into the sleeve.



Roundslings with normal sleeve made of polyester as per EN 1492-2:2000

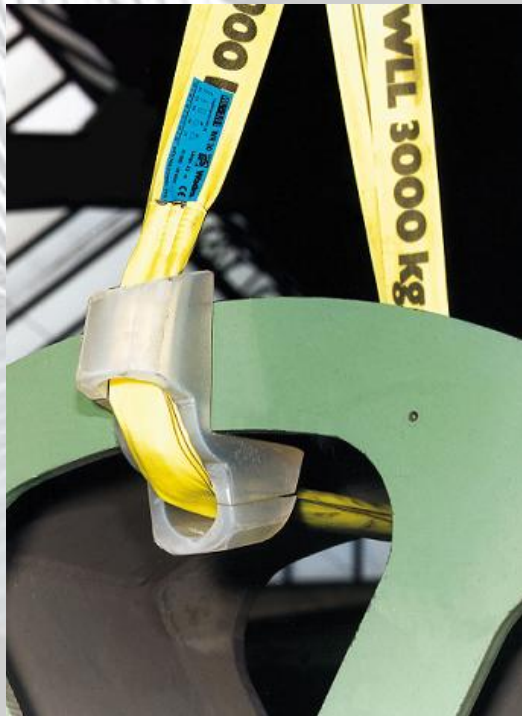
- single layer, colour coded polyester sleeve
- woven-in capacity stripes
- printed rated capacity
- label with additional user instructions

Type	WLL in kg	Colour-code
FK-05	500 kg	white
FK-10	1000 kg	purple
FK-20	2000 kg	green
FK-30	3000 kg	yellow
FK-40	4000 kg	gray
FK-50	5000 kg	red
FK-60	6000 kg	brown
FK-80	8000 kg	blue
FK-100	10000 kg	orange

Roundslings made of polyester

Roundslings with strengthened sleeve EN 1492-2:2000

- single layer, reinforced and colour coded polyester sleeve
- woven-in capacity stripes
- woven-in rated capacity
- label with additional user instructions



Type	WLL in kg	Colour-code
FKE-05	500 kg	white
FKE-10	1000 kg	purple
FKE-20	2000 kg	green
FKE-30	3000 kg	yellow
FKE-40	4000 kg	gray
FKE-50	5000 kg	brown
FKE-60	6000 kg	blue
FKE-80	8000 kg	orange
FKE-100	10000 kg	orange
FKE-150	15000 kg	orange
FKE-200	20000 kg	orange
FKE-250	25000 kg	orange
FKE-300	30000 kg	orange
FKE-400	40000 kg	orange

Roundsling assemblies

For this type of lifting sling the traditional steel wire ropes or chain are replaced by endless roundslings made of polyester. Main advantage of this assembly is the low operational weight in combination with a smooth handling of loads with sensitive surfaces.

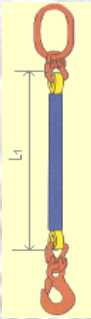
In case of damages or modifications to further lifting jobs the components can easily be disassembled with just a few simple tools. The damaged components can be reassembled according to the requirement of the next lifting job.

- made of roundslings according to EN 1492-2
- all slings additionally covered with protection sleeves
- master link, hooks and connectors comply to grade 8
- attached tag with rated capacities



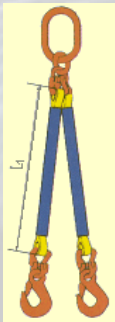
Roundsling assemblies

1-branch roundsling assembly



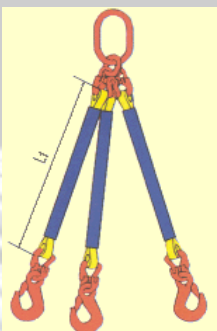
Type	WLL in kg	Type of rope	Standard length
FFK 1/10	1000 kg	FK 10	1 - 8
FFK 1/20	2000 kg	FK 20	1 - 8
FFK 1/30	3000 kg	FK 30	1 - 10
FFK 1/40	4000 kg	FK 40	1 - 10
FFK 1/50	5000 kg	FK 50	1 - 10
FFK 1/60	6000 kg	FK 60	1 - 10
FFK 1/80	8000 kg	FK 80	1 - 10

2-branch roundsling assembly



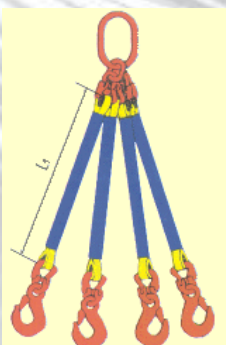
Type	WLL in kg	Type of rope	Standard length
FFK 2/10	1400 kg	FK 10	1 - 8
FFK 2/20	2800 kg	FK 20	1 - 8
FFK 2/30	4200 kg	FK 30	1 - 10
FFK 2/40	5600 kg	FK 40	1 - 10
FFK 2/50	7000 kg	FK 50	1 - 10
FFK 2/60	8400 kg	FK 60	1 - 10
FFK 2/80	11200 kg	FK 80	1 - 10

3-branch roundsling assembly



Type	WLL in kg	Type of rope	Standard length
FFK 3/10	2100 kg	FK 10	1 - 8
FFK 3/20	4200 kg	FK 20	1 - 8
FFK 3/30	6300 kg	FK 30	1 - 10
FFK 3/40	8400 kg	FK 40	1 - 10
FFK 3/50	10500 kg	FK 50	1 - 10
FFK 3/60	12600 kg	FK 60	1 - 10
FFK 3/80	16800 kg	FK 80	1 - 10

4-branch roundsling assembly



Type	WLL in kg	Type of rope	Standard length
FFK 4/10	2100 kg	FK 10	1 - 8
FFK 4/20	4200 kg	FK 20	1 - 8
FFK 4/30	6300 kg	FK 30	1 - 10
FFK 4/40	8400 kg	FK 40	1 - 10
FFK 4/50	10500 kg	FK 50	1 - 10
FFK 4/60	12600 kg	FK 60	1 - 10
FFK 4/80	16800 kg	FK 80	1 - 10

Steel wire ropes

The steel wire ropes produced suitable for safe lifting and moving of various loads. In addition to the general rope types according to the standards we are also able to supply ropes ready for use according to our customer requirements:

Type:

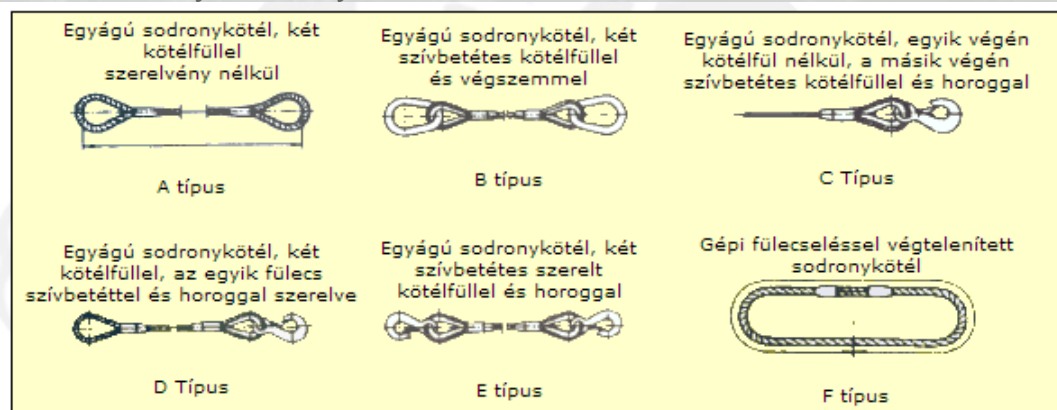
- lifting slings
- forest ropes
- ropes with casted sockets



Steel wire ropes

Lifting slings according to EN 13411

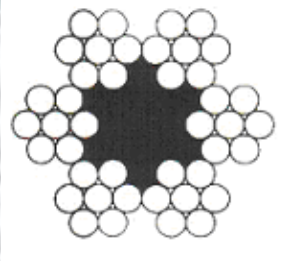
Lifting slings made of steel wire rope are widely used to lift various loads, especially rough loads in the heavy industry.



Sodronykötél Wire ropes		Kötélágak által bezárt szög Closed angles by the legs of ropes				Kötélfül Loop
Szerkezete / huzalszil. 1770 N/mm ² / Construction / Tensile strength 1770 N/mm ² /	Névleges átmérő mm Nominal \bar{R} mm	0°	0-30°	30-60°	60-90°	Hossza Length ± 10%
		Terhelhetőség kN / WLL				
T6x19+A ₇	6	4.1	8.2	6.9	5.7	150
	8	6.6	13.2	11.2	9.2	
	10	11.1	22.2	18.8	15.5	
	12	16.9	33.8	28.7	23.6	
	14	21.3	42.6	36.2	29.8	
T6x37+A ₇ vagy / or WS6x36+A ₇	16	26.4	52.8	44.8	36.9	250
	18	34.8	69.6	59.1	48.7	
	20	41.5	83.0	70.5	58.1	
	22	51.3	102.6	87.2	71.8	
	25	67.5	135.0	114.7	94.5	
	28	85.5	171.0	145.3	119.7	
	32	115.6	231.2	196.5	161.8	
	36	148.3	296.6	252.1	207.6	
40	166.3	332.6	282.7	232.8		

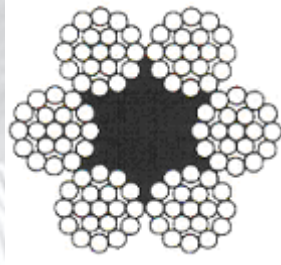
Steel wire ropes

Hoist ropes,
ropes brace



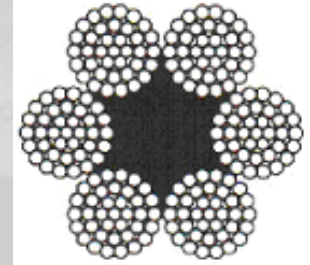
T6x7+A₀

Hoist ropes
for excavators



T6x19+A₀

Hoist ropes for crane
and trolley ropes



T6x37+A₀

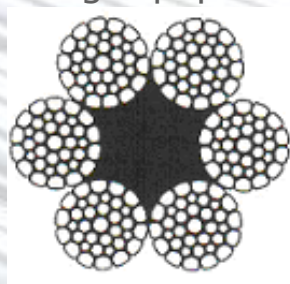


Fishing and
shipping ropes



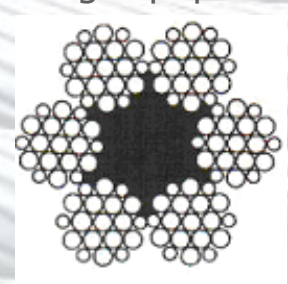
T6x30+7A₀

Hoist and lifting ropes
lifts
drilling equipment



S6x19+A₀

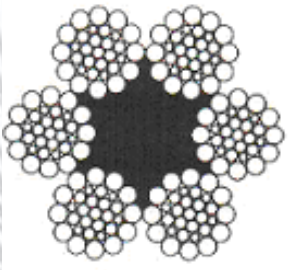
Hoist and lifting ropes
transport of goods
drilling equipment



W6x19+A₀

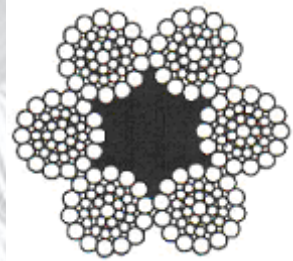
Steel wire ropes

Lifting ropes crane, shafts, passenger transport of goods



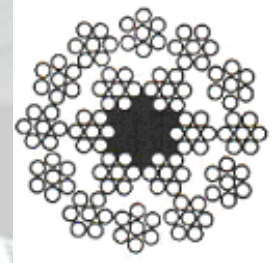
WS6x31+A₀

Lifting ropes for steel works and ground,



WS6x31+A₀

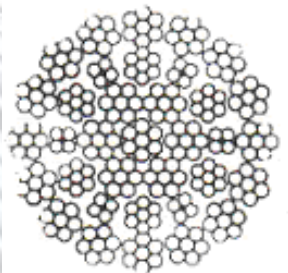
Lifting ropes for building industry machines, crane and for lifts



T18x7+A₀



Lifting ropes for mobile and tower cranes and for lifts



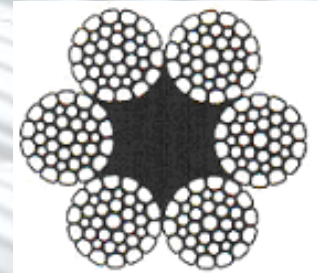
SUPERFLEX N

Ropes with compacted strands for lifts, drilling equipment and for shafts



S6x19+A₀

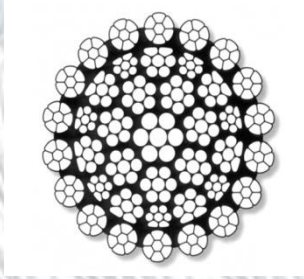
Ropes with compacted strands for lifts, shaft, drilling equipment



WS6x36+A₀

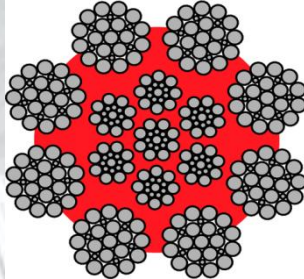
Special steel wire ropes

For mobile and tower crane



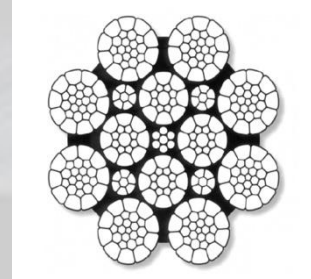
CASAR EUROLIFT

Lifting ropes for crane



STRATOPLAST

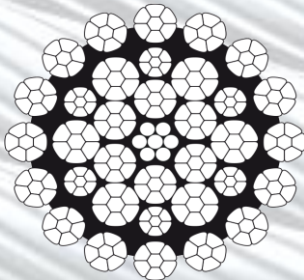
For mobile and tower crane



CASAR TURBOLIFT

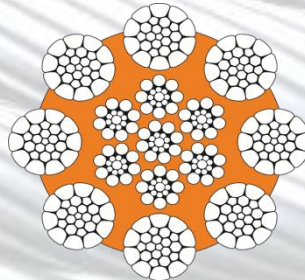


For mobile and tower crane



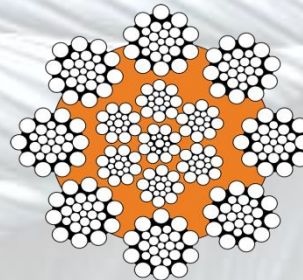
VEROTOP P

Lifting ropes for crane



VEROPRO 8

Lifting ropes for crane



VEROSTAR8

Chain slings

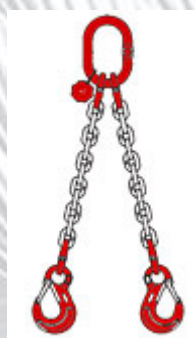
The wide range of chain slings is produced according to the European standards. They are commonly used under severe conditions, high temperatures or loads that effect high wear.

Application: steel works, mining and all kind of heavy industry.

FL 1



FL 2



FL 3



FL 4



Chain ø	WLL tons	Chain ø	WLL tons	Chain ø	WLL tons	Chain ø	WLL tons
6mm	1,0 t	6mm	1,4 t	6mm	2,1 t	6mm	2,1 t
8mm	2,0 t	8mm	2,8 t	8mm	4,25 t	8mm	4,25 t
10mm	3,2 t	10mm	4,5 t	10mm	6,7 t	10mm	6,7 t
13mm	5,0 t	13mm	7,1 t	13mm	10,0 t	13mm	10,0 t
16mm	8,0 t	16mm	11,2 t	16mm	17,0 t	16mm	17,0 t
18mm	10,0 t	18mm	14,0 t	18mm	21,2 t	18mm	21,2 t
20mm	12,5 t	20mm	18,0 t	20mm	26,5 t	20mm	26,5 t
22mm	15,0 t	22mm	21,2 t	22mm	32,0 t	22mm	32,0 t
26mm	20,0 t	26mm	28,0 t	26mm	40,0 t	26mm	40,0 t



Chain hoists

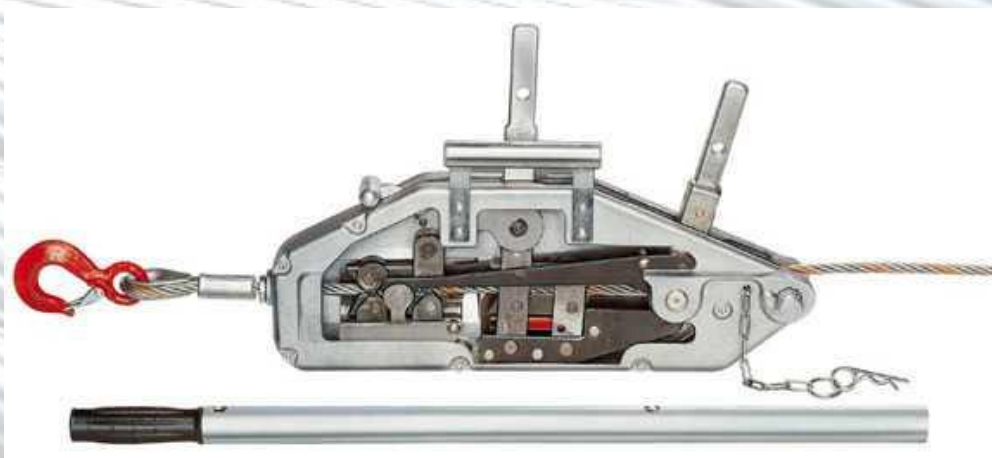
Chain hoists can be produced by Észak Ferr Ltd. practical solution for hand lifting of different load up to 0,75 till 6 tons working load limit. Features are easy to manage, long life, wide employment.



Rope pullers

The range of Rope Pullers consist of three types with traction forces of 800 daN and 3200 daN. The Rope Pullers are lightweight and easy operate. The housing are made of high-strength castaluminium with high strain coefficients, they are highly resistant against corrosion and impact. The Rope Pullers provide a high level of operational safety. the shearing pin located in the forward gear lever shears off at an overload of approximately 25%. Additionally the tube of the operating lever is designed to bend at its base at an overload of approximatly 50%. The shearing pins can be replaced under full load, i.e. without relieving the traction rope. Spare shearing pins are located in the handle of the operating lever or int he transport handle. The system requires virtually no maintenance!

Rope pullers	800 daN	1600 daN	3200 daN
Traction force	800 daN	1600 daN	3200 daN
energy expend on operating lever	24 kg	30 kg	50 kg
Rope advance per double stroke(cycle) unloaded	63mm	60mm	40mm
Nominal load	55mm	54mm	34mm
Traction rope diameter	8,4mm	11,5mm	16mm
Weight	6 kg	11 kg	21 kg



Cargo lashing system

Our Cargo Lashing systems comply with the standards of DIN 60060 and EN 12195-2.



The webbings consist of impregnated polyester with a high lifetime, the ratchet and the hooks are galvanized or painted and therefore ensure a complete, suitable and weather resistant lashing of cargo in robust design.

Using these lashing a required tension strength can be generated that ensures

- a safe fastening of the load
- easy handling
- good design for loads

Maximum possible lashing forces are 250-500-2000-2500-5000-10000 daN in option length.

Cargo Lashing System

Lashing system 25mm

Application: for lashing of light loads on vans and on trailers.

Lashing force: 1000 daN

Colour: yellow

Lashing system 50mm

Application: professional use, suitable to secure loads with sufficient stability on heavy-duty-trucks and heavy-duty-trailers.

Lashing force: 5000 daN

Colour: orange or red

Lashing system 75 mm

Application: professional use, especially heavy machinery and loads on flat trailers.

Lashing force: 10000 daN

Colour: yellow

Lashing chain system for heavy loads

Lashing chains are especially designed to secure heavy loads and machines on flat trailers. Their are is favourable for loads where the lashing chein system is effected by high strain, strong cutting and frictional force.

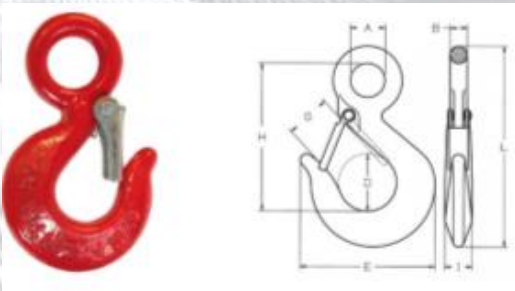


Type	Chain ø	Lifting length	Tension length	Lashing force
FLR 108	8mm	356mm	203mm	4,0 t
FLR 108	10mm	356mm	203mm	6,3 t
FLR 108	13	356mm	203mm	10 t



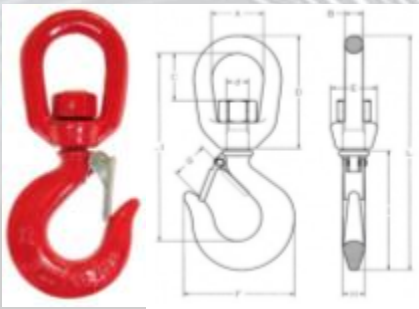
Fittings, Accessories

204 CE Biztonsági horog Carbon steel eye hooks with latch C 40 acél Steel C 40



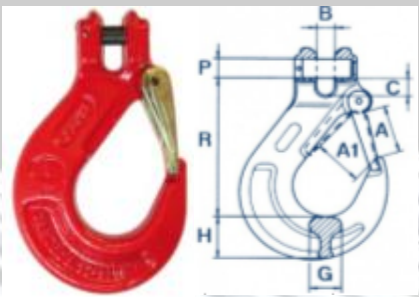
S.W.L.	A	B	D	E	G	H	I	L	Weight
t	mm	mm	mm	mm	mm	mm	mm	mm	kg
0,8	19	10	30	73	21,5	80	15	110	0,260
1	23	12	32	82	23	93	17,5	125	0,350
1,6	27	13	35	93	23	103	20,5	142	0,620
2	30	16	38	105	24	117	22	165	0,930
3,2	38	19	46	125	26,5	145	28,5	204	1,730
5	50	24	60	168	40	185	35	255	3,420
7,5	62	28,5	76	192	52	230	41	316	5,370
10	72	32	82,5	221	57	256	49	354	7,760
15	89	40	108	260	76	318	60	434	14,320
20	89	44	127	346	92	357	76	494	23,875
25	114	51	137	357	96	465	85	628	63,925

205 CE Forgó horog Carbon steel revolving hooks with latch C 40 acél Steel C 40



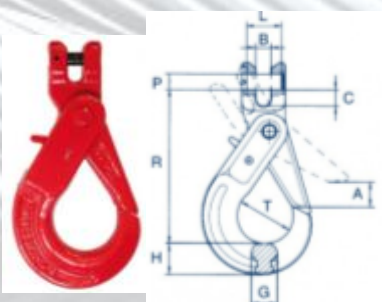
S.W.L.	A	B	C	D	E	F	G	H	I	L	L1	d	Weight
t	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		kg
0,8	32	10	34	64	25	73	25	14	77	142	113,5	M 12	0,450
1	38	13	34	82	34	81	27	16	86	170	135,5	M 16	0,770
1,6	46	16	42	99	38	92	29	19	94	197,5	156	M 18	1,220
2	50	18	47	110	48	104	32	21,5	106	219,5	173	M 20	1,510
3,2	57	20	55	127	54	125	38	28,5	133	262	205	M 22	2,480
5	68	26	59	146	60	166	48	35	167	315	243	M 27	6,060
7,5	75	29	63	159	66	193	58	44	210	372	285	M 30	9,940
10	90	32	73	183	76	225	67	52	234	420	322	M 36	15,000
15	120	40	105	257	105	285	81	64	288	548	424	M 52	20,640
20	135	45	118	293	124	350	102	75	377	673	533	M 60	28,790

CB Csapos horog Clevis sling hook with latch



Chain		Code	A	A1	B	C	G	H	P	R	Weight	W.L.L.
mm	inch		mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
6	1/4	CB 06	25	19	6,7	8,5	14,5	20	7	73	0,24	1120
7-8	9/32-5/16	CB 08	29,5	24,5	8,7	9,8	19	27	9	86,3	0,53	2000
10	3/8	CB 10	35,7	29	12,2	13,5	23,5	33	13	105	0,95	3150
13	1/2	CB 13	43,5	35	15,3	17	28,5	40	16	128,5	1,67	5300
16	5/8	CB 16	56	45	18	22	37	48	20	155	3,00	8000
20	3/4	CB 20	61	53	23	26	51	52	24	183	5,70	12500
22	7/8	CB 22	72	62	24,5	29	50	62	27	213	8,80	15000
26	1	CB 26	77	73	30	34	60	75	30	230	13,50	21200

CRF Csapos biztonsági horog Self locking clevis hook



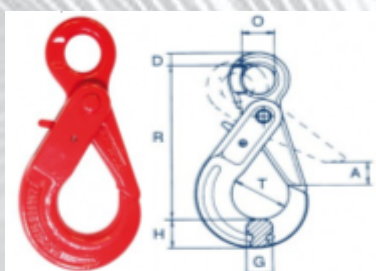
Chain		Code	A	B	C	G	H	R	T	PxL	Weight	W.L.L.
mm	inch		mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
6	1/4	CRF 06	28	7	8	16	21	94	35	7,5x17,5	0,496	1120
7-8	9/32-5/16	CRF 08	34	9	10	20	26	123	43	9x22,5	0,934	2000
10	3/8	CRF 10	45	12	14	25	30	143	56	13x31,5	1,580	3150
13	1/2	CRF 13	51	15	17	35	40	180	69	16x42	3,200	5300
16	5/8	CRF 16	60	19	19	36	50	215	80	21x51,5	5,950	8000
20	3/4	CRF 20	70	23	26	60	67	253	90	24x73	9,800	12500
22	7/8	CRF 22	80	26	32	62	70	287	100	26x72	14,400	15000

CA Biztonsági horog
Sling hook with latch



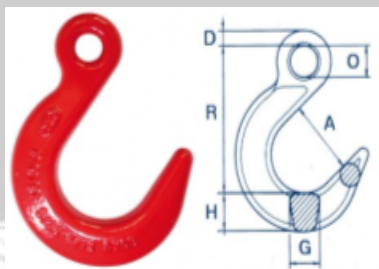
Chain		Code	A	A2	D	G	H	O	R	Weight	W.L.L.
mm	inch		mm	mm	mm	mm	mm	mm	mm		
6	1/4	CA 06	25	20,5	8,5	14,5	20	20,5	80,5	0,27	1120
7-8	9/32-5/16	CA 08	29,5	24,5	11	19	27	25	95,5	0,50	2000
10	3/8	CA 10	35,7	29	14	23,5	33	34	120,5	0,90	3150
13	1/2	CA 13	43,5	35,4	17,5	29	40	42,5	150	1,50	5300
16	5/8	CA 16	52,5	44	22	35,5	49	52	183	2,75	8000
20	3/4	CA 20	60	52	27	48	53	55	203	4,50	12500
22	7/8	CA 22	70	62	30	51,5	60	60	224	7,10	15000
26	1	CA 26	77	73	35	60	75	70	237	13,80	21200
32	1 1/4	CA 32	95	87	39	71	89	76	259	27,00	31500

CRO Biztonsági horog
Self locking eye hook



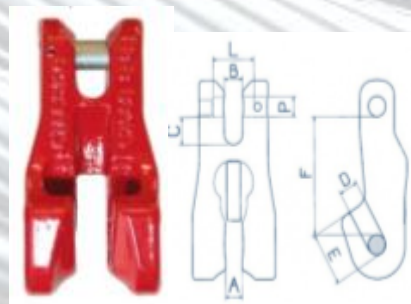
Chain		Code	A	D	G	H	O	R	T	Weight	W.L.L.
mm	inch		mm	mm	mm	mm	mm	mm	mm		
6	1/4	CRO 06	28	11	16	21	21	109	35	0,510	1120
7-8	9/32-5/16	CRO 08	34	12	20	26	25	135	43	0,936	2000
10	3/8	CRO 10	45	16	25	30	33	168	56	1,626	3150
13	1/2	CRO 13	51	20	35	40	40	205	69	3,250	5300
16	5/8	CRO 16	60	27	36	50	50	251	80	6,050	8000
20	3/4	CRO 20	70	30	60	67	60	290	90	10,500	12500
22	7/8	CRO 22	80	32	62	70	70	322	100	14,400	15000

CY Öntészeti horog
Foundry hook



Chain		Code	A	D	G	H	O	R	Weight	W.L.L.
mm	inch		mm	mm	mm	mm	mm	mm		
6	1/4	CY 06	53,5	11,5	22	26	15	102,5	0,61	1120
7-8	9/32-5/16	CY 08	64	13,5	25	29	18	125	0,92	2000
10	3/8	CY 10	76	14	23	30	32	150	1,77	3150
13	1/2	CY 13	89	19	38	40	27	173	2,82	5300
16	5/8	CY 16	102	24	45	48	47	210	5,03	8000
20	3/4	CY 20	114	28	54	60	56	260	7,6	12500

CX Rövidítőszem
Shortening clutch



Chain		Code	A	B	C	D	E	F	PxL	Weight	W.L.L.
mm	inch		mm	mm	mm	mm	mm	mm	mm		
6	1/4	CX 06	8	8	10	8	19	45	7,5x17,5	0,21	1120
7	9/32	CX 07	9,5	9,5	10	9,5	23,5	56	9x22,5	0,48	1500
8	5/16	CX 08	9,5	9,5	10	9,5	23,5	56	10x22,5	0,48	2000
10	3/8	CX 10	12	12	14,5	12	32,5	78	13x31,5	1,12	3150
13	1/2	CX 13	15,5	15,5	18	15,5	44	90	16x42	1,83	5300
16	5/8	CX 16	19	21	21	19	50	106	21x51,5	2,83	8000

CL		Toldószem Cartec connecting link								
Chain		Code	A	C	O	R	P	S	Weight	W.L.L.
mm	inch		mm	mm	mm	mm	mm	mm	kg	kg
6	1/4	CL 06	16	18	16,5	43	7,2	6,8	0,07	1120
7	9/32	CL 07	17,8	20	20,5	50,5	10,2	9	0,10	1500
8	5/16	CL 08	19	25,5	23,5	62	11,5	10	0,25	2000
10	3/8	CL 10	23,8	30	27,5	72	12,6	12,6	0,35	3150
13	1/2	CL 13	28	36	33,3	87,3	19	16,7	0,68	5300
16	5/8	CL 16	34,3	40,5	39,5	103	20,6	20,6	1,10	8000
20	3/4	CL 20	44	48	47	116	23	23	1,70	12500
22	7/8	CL 22	49	51	55	133	26,5	26,5	2,20	15000
26	1	CL 26	60	60	66	148	31,5	31,5	4,20	21200
32	1 1/4	CL 32	80	77	86	190	40	32	7,19	31500

CM CMS		Vég szem Oblong masterlink								
Chain		Code	with flat	Size according to DIN 5688-86				Weight	W.L.L.	
∅ mm	∅ mm			D mm	P mm	L mm	SxX mm	kg	kg	
7	6	CM 0706	CMS 0706	13	110	60	8x25	0,34	1600	
8	7	CM 0807	CMS 0807	16	110	60	8x25	0,53	2120	
10	8	CM 1008	CMS 1008	18	135	75	8x35	0,915	3150	
13	10	CM 1310	CMS 1310	22	160	90	11,5x35	1,6	5300	
16	13	CM 1613	CMS 1613	26	180	100	14x46	2,46	8000	
18	16	CM 1816	CMS 1816	32	200	110	18x46	4,14	11200	
20	18	CM 2018		36	260	140		6,22	14000	
22	20	CM 2220		40	300	160		8,95	17000	
26	22	CM 2622		45	340	180		12,82	21200	
32	26	CM 3226		51	350	190		16,55	31500	
36	32	CM 3632		57	400	200		27,01	45000	
40	36	CM 4036		57	400	200		27,01	56000	

C8182		Teherlánc Chain according to EN 818-2										
Chain		Code	Tolerance	P	Tolerance	Li min	Le max	Weight	W.L.L.	M.P.F.	B.F.	f min
∅ mm	inch		mm	mm	mm	mm	mm	kg/m	kg	KN	KN	mm
6	1/4	C818206	±0,24	18	±0,5	7,8	22,2	0,8	1120	28,3	45,2	4,8
7	9/32	C818207	±0,28	21	±0,6	9,1	25,9	1,1	1500	38,5	61,6	5,6
8	5/16	C818208	±0,32	24	±0,7	10,4	29,6	1,4	2000	50,3	80,4	6,4
10	3/8	C818210	±0,40	30	±0,9	13	37	2,2	3150	78,5	126	8
13	1/2	C8182113	±0,52	39	±1,2	16,9	48,1	3,8	5300	133	212	10
16	5/8	C8182116	±0,64	48	±1,4	20,8	59,2	5,7	8000	201	322	13
20	3/4	C8182120	±1,00	60	±1,8	26	74	9	12500	314	503	16
22	7/8	C8182122	±1,10	66	±2,0	28,6	81,4	10,9	15000	380	608	18
26	1	C8182126	±1,30	78	±2,3	33,8	96,2	15,2	21200	531	849	21
32	1 1/4	C8182132	±1,60	96	±2,9	41,6	118	23	31500	804	1290	26

CKS CKL		Kiadásgátló Latch kit for hooks								
Chain		Code of forged latch		Code of plate latch		Accessory of use				
mm	inch									
6	1/4	CKS 06		CKL 06		CA 06-CB 06				
7-8	9/32-5/16	CKS 08		CKL 08		CA 08-CB 08-CJ 01				
10	3/8	CKS 10		CKL 10		CA 10-CB 10-CJ 02-CJ 03				
13	1/2	CKS 13		CKL 13		CA 13-CB 13-CJ 04-CJ 05-CJ 06				
16	5/8	CKS 16				CA 16				
16	5/8	CKS 16B				CB 16				
20	3/4	CKS 20B				CA 20-CB 20				
22	7/8	CKS 22				CA 22-CB 22				
26	1	CKS 26				CA 26-CB 26				
32	1 1/4	CKS 32				CA 32				

51 CE

Sekli
Alloy steel dee shackles with screw pin



Working load	Size	A	B	C	D	Weight
t		mm	mm	mm	mm	kg
0,33	3/16"	9,5	5	19	6	0,0200
0,50	1/4"	11,9	6,4	22,4	7,9	0,0499
0,75	5/16"	13,5	7,9	26,2	9,7	0,0772
1,00	3/8"	16,8	9,7	31,8	11,2	0,1271
1,50	7/16"	19,1	11,2	36,6	12,7	0,1952
2,00	1/2"	20,6	12,7	41,4	16	0,2679
3,25	5/8"	26,9	16	50,8	19,1	0,5675
4,75	3/4"	31,8	19,1	60,5	22,4	1,1940
6,50	7/8"	36,6	25,4	71,3	25,4	1,4346
8,50	1"	42,9	25,4	81	28,7	2,1565
9,50	1 1/8"	46	28,7	90,9	31,8	3,0646
12,00	1 1/4"	51,6	31,8	100	35,1	4,1132
13,50	1 3/8"	57,2	35,1	111,2	38,1	5,2800
17,00	1 1/2"	60,5	38,1	122,1	41,4	7,2413
25,00	1 3/4"	73,2	44,5	146	50,8	12,1445
35,00	2"	82,6	50,8	171,4	57,2	19,2087
42,50	2 1/4"	95	57	190	65	26,0600
55,00	2 1/2"	104,9	66,5	203,2	69,9	32,5745
85,00	3"	127	75	230	80	56,6800

52 CE

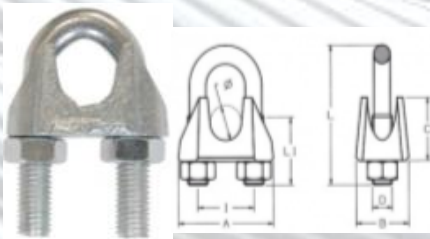
Sekli
Alloy steel bow shackles with screw pin



Working load	Size	A	B	C	D	E	Weight
t		mm	mm	mm	mm	mm	kg
0,33	3/16"	9,7	4,8	22,4	6,4	15,2	0,0272
0,50	1/4"	11,9	6,4	28,7	7,9	19,8	0,0454
0,75	5/16"	13,5	7,9	31	9,7	21,3	0,0863
1,00	3/8"	16,8	9,7	36,6	11,2	26,2	0,1407
1,50	7/16"	19,1	11,2	42,9	12,7	29,5	0,1725
2,00	1/2"	20,6	12,7	47,8	16	33,3	0,3269
3,25	5/8"	26,9	16	60,5	19,1	42,9	0,6220
4,75	3/4"	31,8	19,1	71,4	22,4	50,8	1,0669
6,50	7/8"	36,6	22,4	84,1	25,4	57,9	1,6435
8,50	1"	42,9	25,4	95,3	28,7	68,3	2,2836
9,50	1 1/8"	46	29,5	107,9	31,8	73,9	3,3641
12,00	1 1/4"	51,6	32,8	119,1	35,1	82,6	4,3130
13,50	1 3/8"	57,2	36,1	133,3	38,1	92,2	6,1426
17,00	1 1/2"	60,5	39,1	146	41,4	98,6	7,8088
25,00	1 3/4"	73,2	46,7	177,8	50,8	127	12,6121
35,00	2"	82,6	52,8	196,8	57,2	146	20,4300
42,50	2 1/4"	95	57	222	65	160	29,0100
55,00	2 1/2"	104,9	68,8	266,7	69,9	186,1	38,9305
85,00	3"	127	75	330	80	190	62,2400

3 CE

Kötélszorító bilincs
Wire rope clips cast iron DIN 741

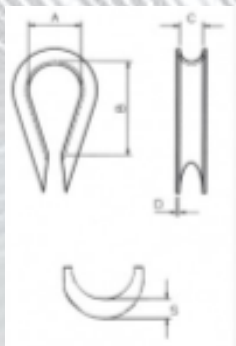


Size	Rope	A	B	C	D	I	L	L1	Weight
mm	mm	mm	mm	mm		mm	mm	mm	kg
3	3	21	10	10	M 4	9	20	12	0,010
5	5	24	11	10	M 5	11	24	13	0,020
6	6,5	26	12	11	M 5	13	28	15	0,020
8	8	30	14	15	M 6	16	34	19	0,020
10	10	37	20	19	M 8	20	42	22	0,060
11	11	38	20	20	M 8	21	44	22	0,060
12	13	44	25	23	M 10	25	55	30	0,110
14	14	46	25	25	M 10	27	57	30	0,120
16	16	52	28	28	M 12	30	63	33	0,150
19	19	58	32	34	M 12	34	75	38	0,230
22	22	64	35	35	M 14	38	85	44	0,270
26	26	68	38	38	M 14	42	95	45	0,300
30	30	80	40	45	M 16	50	110	50	0,500
32	32	80	40	45	M 16	50	118	50	0,650
34	34	88	45	52	M 16	54	120	55	0,680
40	40	95	48	58	M 16	60	140	60	0,860

96 CE

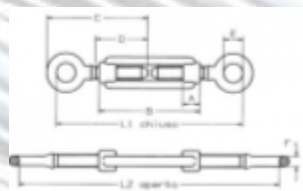
Kötélszív DIN 6899A
Thimbles DIN 6899A

Size ϕ	A	B	C	S	Weight
mm	mm	mm	mm	mm	kg
1,8	6/8	16/17,5	2	0,5	0,0009
2,5	10	21,5	3	0,5	0,0015
3,5	12	26,5	4	0,75	0,0035
4	13	28,5	5	0,75	0,0043
5	14	30	6	1	0,0058
6	15	33	7	1	0,0079
7	16	35	8	1,25	0,0101
8	18	39	9	1,25	0,0160
9	20	43	10	1,25	0,0198
10	22	47,5	11	1,5	0,0295
11	24	51,5	12	1,5	0,0370
12	26	56,5	13	1,5	0,0525
13	28	61	14	1,8	0,0725
15	32	68,5	16	2	0,0833
16	35	78	18	2,5	0,1790
18	40	86,5	20	2,5	0,2700
20	44	95	22	2,5	0,3550
24/26	48	90	26	4	0,4600



Size ϕ	A	B	C	S	D	Weight
mm	mm	mm	mm	mm	mm	kg
28	75	120	30	8	3,5	1,100
30	80	128	32	8	3,5	1,230
32	95	152	34	8,5	3,5	1,560
34	100	160	36	8,5	3,5	1,760
36	110	176	38	8,5	3,5	1,920
38	115	184	40	10,5	4	2,920
40	120	192	42	10,5	4	3,200
42	150	240	45	10,5	6,5	3,640

9 CE

Gyűrűs kötélfeszítő
Turnbuckles eye and eye

Size	A	B	C	D	E	F	L1	L2	S.W.L.	Weight
	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
M 5	9	79	59	40	8	4	122	175	140	0,040
M 6	10	88	74	50	10	4	140	203	225	0,060
M 8	12	110	80	52	11	5	157	226	410	0,150
M 10	15	130	97	60	14	6,5	182	260	650	0,210
M 11	17,5	135	102	65	15	7,5	197	285	790	0,310
M 12	18	140	106	67	17	8	228	297	930	0,340
M 14	20	170	126	83	18	8,5	245	365	1330	0,500
M 16	22,5	190	160	97	23	13	280	412	1770	0,930
M 18	27	200	178	112	25	14	324	450	2200	1,380
M 20	30	220	190	116	25	14	340	470	2700	1,420
M 22	33	242	200	120	30	16	365	495	3300	2,110
M 24	39	255	210	125	34	17	400	565	3920	2,760
M 27	45	255	236	150	34	18,5	445	586	4950	3,910
M 30	45	255	240	150	38	19,5	451	595	6250	4,050
M 33	45	255	242	150	39	21	452	607	7560	5,750
M 36	55	295	276	160	48	27	510	673	3100	7,250
M 39	63	330	276	165	48	28	511	690	10600	9,360
M 42	63	330	320	180	55	40	575	754	12500	13,960
M 45	78	355	322	175	55	40	590	755	14400	19,100
M 48	78	355	322	180	55	40	590	755	16500	19,300
M 50	78	355	322	180	55	40	590	755	18100	20,600



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