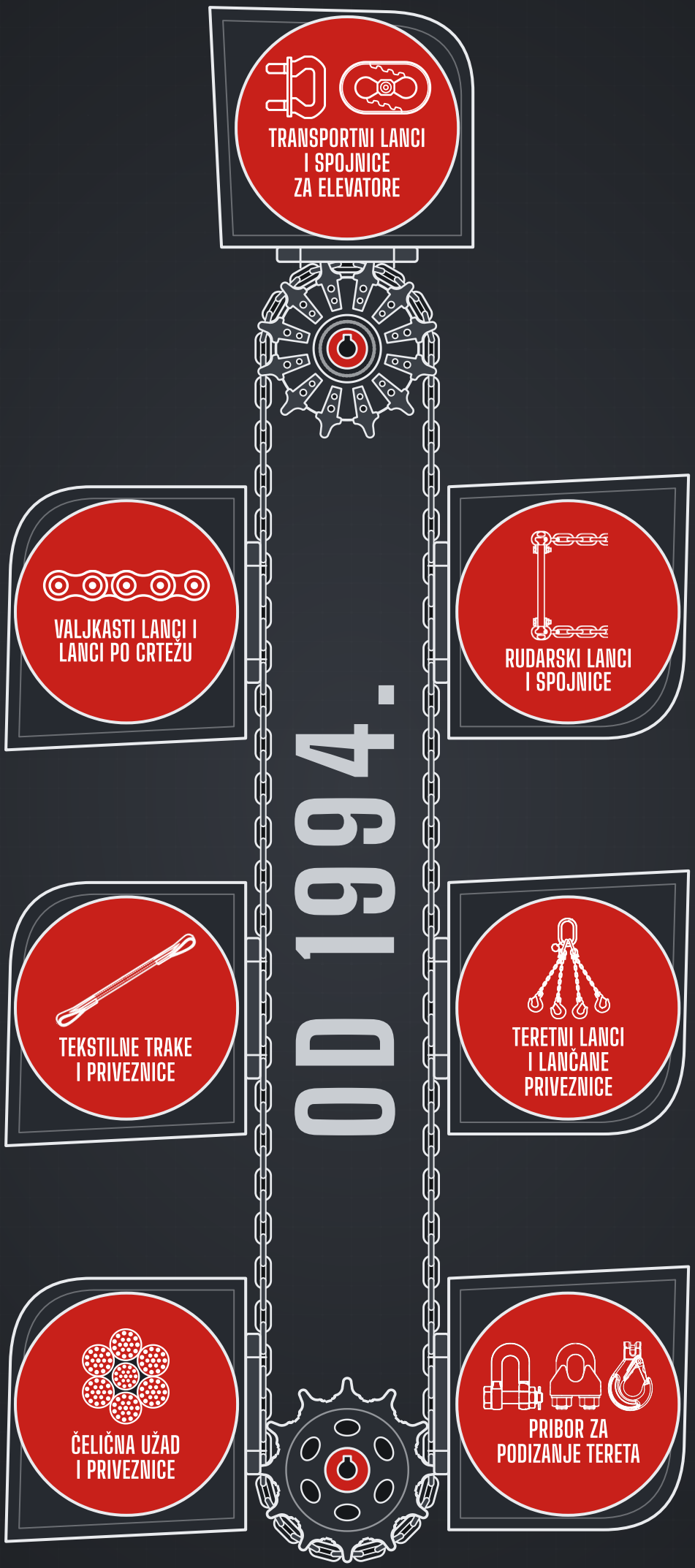
M.M. VERIGA DOO

BEOGRAD

KATALOG PROIZVODA

PRODUCT CATALOGUE

Industrijski tehnički lanci i oprema za podizanje tereta



Vaš teret – naša briga

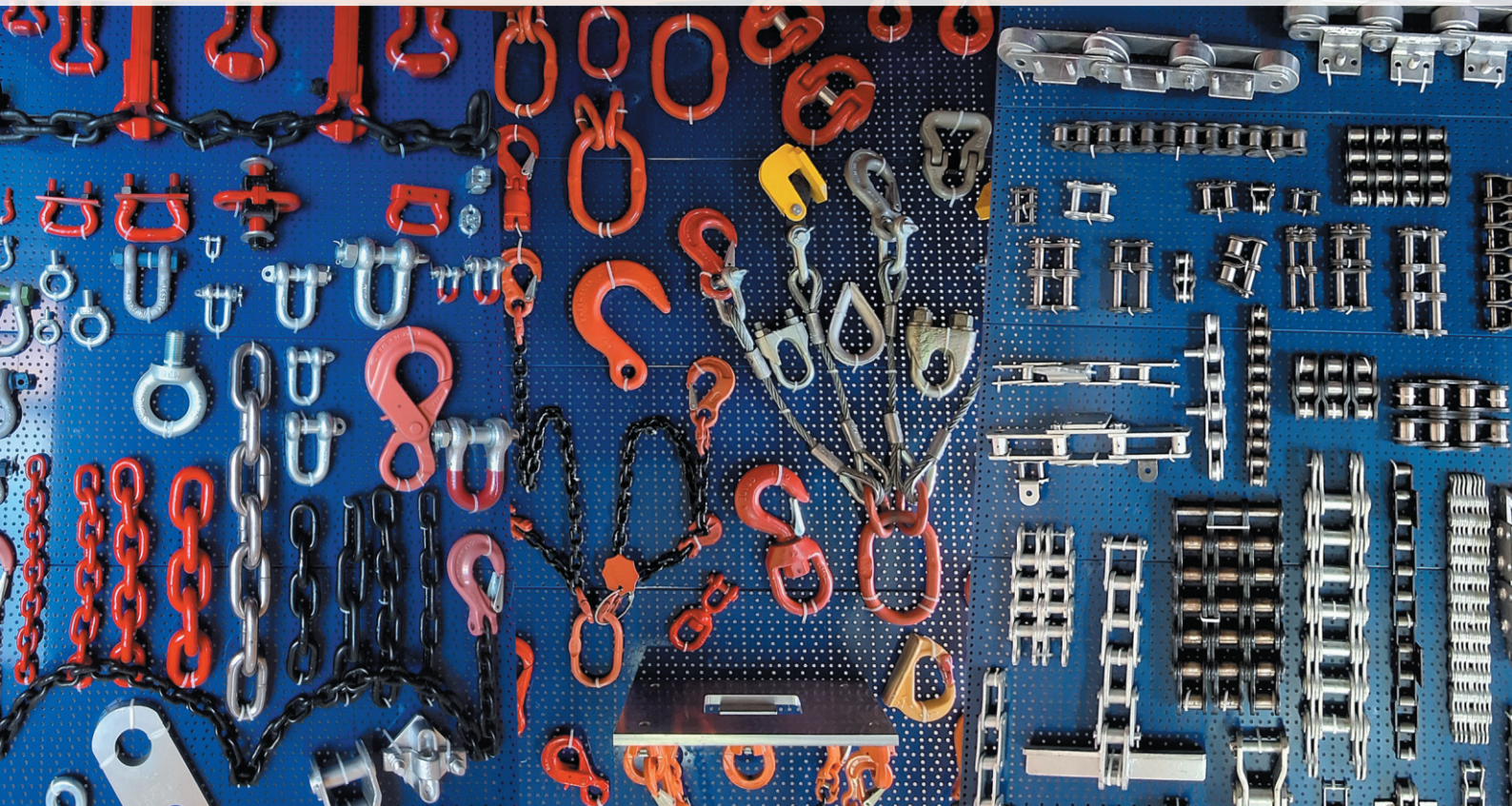
SRPS ISO 9001 · 14001 · 45001

www.mmveriga.co.rs



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SERTIFIKOVANI SISTEMI MENADŽMENTA

StandCert

SRPS ISO 9001:2015
SRPS ISO 14001:2015
SRPS ISO 45001:2018

MM Veriga

MM Veriga d.o.o. iz Beograda više od tri decenije uspešno posluje na tržištu Srbije kao pouzdan dobavljač industrijskih lanaca i opreme za podizanje i pritezanje tereta. Naša firma prepoznatljiva je kao stabilan partner kompanijama koje zahtevaju kvalitetnu, bezbednu i dugotrajnu opremu za različite industrijske primene.

U našem asortimanu nalaze se industrijski valjkasti i alkasti lanci, pogonski lanci po DIN i ISO standardima, kao i lanci za opštu i specijalnu namenu, uključujući i varijante sa visokim otpornostima na habanje i visokim tvrdoćama. Pored lanaca, nudimo i širok spektar opreme za podizanje i pritezanje tereta, kao što su čelične priveznice i užad, škopci, beskonačne i tekstilne trake sa omčama (gurtne), tekstilne zatezače, teretne lance i elemente za teretne lance.

Svi naši proizvodi dolaze isključivo od proverenih proizvođača, uz ateste i kompletnu tehničku dokumentaciju u skladu sa važećim evropskim i domaćim standardima (SRPS, EN, ISO). Posebno vodimo računa o brzini isporuke, tehničkoj podršci i mogućnosti prilagođavanja rešenja specifičnim zahtevima kupaca.

Naše višegodišnje iskustvo, stručnost i odgovoran pristup poslovanju omogućili su nam da izgradimo dugoročne odnose sa velikim brojem preduzeća iz različitih industrijskih sektora. MM Veriga d.o.o. ostaje posvećen kvalitetu, pouzdanosti i sigurnoj isporuci, sa ciljem da svakom klijentu ponudi optimalno rešenje za njegove potrebe.



Transportni lanci

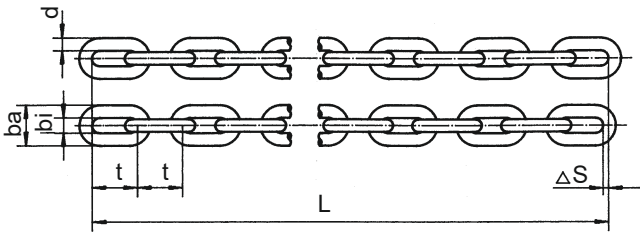
Transport Chains



Transportni lanci i elementi za elevatore - visoke tvrdoće koriste se na transportnim sistemima za prenos i manipulaciju raznih materijala proizvoda. Lanci su izrađeni od odabranih materijala koji termičkom obradom dostižu veoma visoku površinsku tvrdoću što omogućava minimalno habanje na površini a pritom zadržava unutrašnju zateznu čvrstoću koja osigurava visoka opterećenja.

VISOKOOTPORNI LANCI ZA ELEVATORE - VISOKE TVRDOĆE

ROUND STEEL CHAINS HV - high tensile, highly wear resistant



lanac *chain*	širina lanca *chain width*		težina *weight*	standardne dužine *standard length*		G80 E5		G80 E10		G80 E14		R40C9		R35C14	
						probna sila *proof load*	prekidna sila *breaking load*	probna sila *proof load*	prekidna sila *breaking load*	probna sila *proof load*	prekidna sila *breaking load*	probna sila *proof load*	prekidna sila *breaking load*	probna sila *proof load*	prekidna sila *breaking load*
d x t	bi min.	ba max.		broj karika *links*	L*										
mm	mm		kg/m	mm		kN		kN		kN		kN		kN	
10x38	12,5	34	2,1	527	20026	-	-	38	64	-	-	-	-	-	-
14x50	16,3	47	4,1	215	10750	80	160	74	128	65	110	74	120	-	-
14x64	16,3	47	3,7	159	10688	-	-	74	128	-	-	-	-	-	-
16x64	20	55	5,3	167	10688	100	200	96	160	84	140	96	160	84	140
19x75	22	63	7,4	143	10725	140	280	135	227	117	198	135	227	117	198
19x120	23	64,5	6,4	87	10440	-	-	135	227	-	-	-	-	-	-
22x86	26	74	9,9	119	10234	190	380	182	304	160	266	182	304	160	266
26x100	31	87	13,8	83	8300	265	530	255	425	220	370	255	425	222	370
30x120	36	102	18,7	47	5640	355	710	340	566	300	500	339	566	297	494
34x136	39	113	23,8	35	4760	450	900	425	710	375	630	425	710	375	630
38x144	44	127	30,0	29	4176	-	-	530	910	480	800	-	-	-	-

* ostale dimenzije i kvalitete po dogovoru

** further dimensions and qualities on request*

Proizvodne tolerancije u dužini lanca L jesu: +0,3 / -0,15% = ukupno 0,45%; to na primer znači da je na dužini 10m dozvoljeno odstupanje za max 45mm.

Chain length L production tolerance = +0,3 / -0,15% = 0,45% total; this means that the difference between chain lengths of 10 m is max. 45 mm

Tolerancija △ S iznosi 0,05% max 3 mm

Chain length production tolerance △ S of matched chain lengths is 0,05% or max 3 mm for two or multiple chain strand conveyors.

opis / *quality grade*	**G80 E5**	**G80 E10**	**G80 E14**	**R40C9**	**R35C14**
prekidna sila / *braking stress*** [N/mm²]	500	400	350	400	350
probna sila / *proof stres* ** [N/mm²]	250	240	210	240	210
rastezanje kod prekida / *breaking elongation apprx.* cca [%]	2	2	2	-	-
tvrdoća na površini / *surface hardness at interlink* HV 10	750	800	800	800 ± 40	800 ± 40
dubina cementacije / *carburizing depth* HTÄ ... d +/-0,01 d	0,05	0,1[1)]	0,14[2)]	0,09d	0,14d
dubina cementacije / *case hardening depth* EHT 550 HV 3 ... d min.	0,025	0,06[3)]	0,09[4)]	0,05d	0,09d
materijal / *material*	do / *incl.* d = 22mm legiran čelik / *alloyed* CrNi od / *from* d = 26mm legiran čelik / *alloyed* CrNiMo			legiran čelik *alloyed* CrNiMo	

** tolerancija kod prekidne i probne sile - 10% / *proof - breaking load tolerance - 10 % permissible depending on the batches*

1) Ø 30 i Ø34 - 0,09d Ø 38 - 0,08d

2) Ø 30 - 0,12d; d34 Ø - 0,11d, Ø 38 - 0,09d

3) Ø 30 i Ø 34 - 0,05 Ø 38 - 0,04d

4) Ø 30 - 0,08d; Ø 34 - 0,07d; Ø 38 - 0,05d

Ovi visokoodporni lanci izrađeni iz CrNi odnosno CrNiMo legiranih čelika podnose visoka statička i dinamička opterećenja koja zahtevaju elevatori.
Izrada i uparivanje lanaca obezbeđuje miran i paralelan hod karika lanaca.

HV-chains made from CrNi- or CrNiMo-special alloyed steel are suitable for scraper conveyors with high dynamic and static loads. Supplied as matched pairs - for an exact parallel run of the chain links.

Primer narudžbe / *Example of the order*:

16 kom / *pcs.* (8 pari) lanac / *chains* D22 x 86 G80E10 L = 119 karika / *links* = 10234 mm

TRANSPORTNI LANCI
TRANSPORT CHAINS

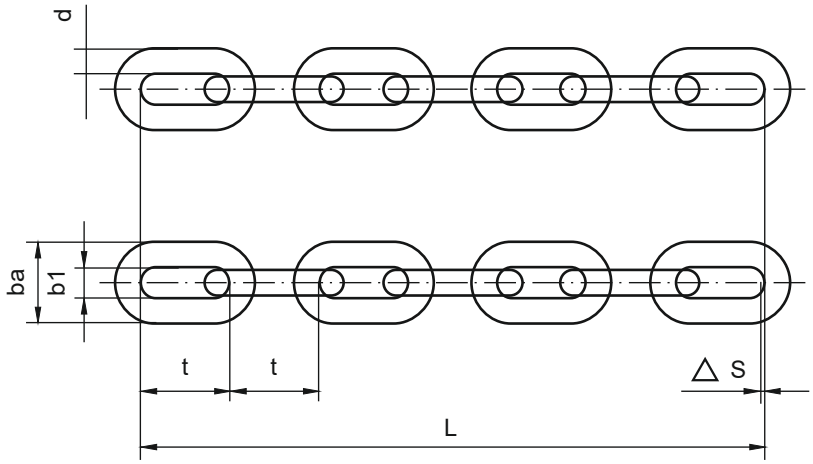


TRANSPORTNI LANCI
TRANSPORT CHAINS

VISOKOOTPORNI LANCI ZA ELEVATORE - VISOKE TVRDOĆE

ROUND STEEL CHAINS - high tensile, highly wear resistant

DIN 764, DIN 766



dimenzije po DIN-u 764 / *Dimensions acc. to DIN 764*

lanac *chain*	širina lanca *chain width*		težina *weight*	G40 E10		G80 E10		RC4		RC5		preporučen lanac po DIN-u za elevatore *recommended chain shackle acc. to DIN for wheels*	
				probna sila *proof load*	prekidna sila *breaking load*	probna sila *proof load*	prekidna sila *breaking load*	probna sila *proof load*	prekidna sila *breaking load*	probna sila *proof load*	prekidna sila *breaking load*	na trenje / *plain*	ozubljen / *toothed*
d x t	bi min.	ba max.										korak / *pitch* t	
mm	mm		kg/m	kN		kN		kN		kN		mm	
10 x 35	14	36	2,0	20,0	40	33,0	55	22	44	29	58	45	35
13 x 45	18	47	3,5	31,5	63	55,8	93	37	74	49	98	56	45
16 x 56	22	58	5,2	50	100	84	140	56	112	74	148	63	56
18 x 63	24	65	6,5	63	125	107	178	71	142	94	188	70	63
20 x 70	27	72	8,2	80	160	132	220	88	176	116	232	80	70
23 x 80	31	83	11,0	100	200	174	290	116	232	153,5	307	91	80
26 x 91	35	94	14,0	125	250	223	371	149	297	196	392	105	91
30 x 105	39	108	19,0	170	340	296	494	198	396	261	523	126	105
33 x 115	43	119	22,5	200	400	359	599	239	478	316	632	126	-
36 x 112	47	130	26,5	250	500	427	712	-	-	-	-	147	126



dimenzije po DIN-u 766 / *Dimensions acc. to DIN 766*

lanac *chain*	širina lanca *chain width*		težina *weight*	G40 E10*		G80 E10		RC4		RC5		preporučen lanac po DIN-u za elevatore *recomm. chain shackle acc. to DIN for wheels*
				probna sila *proof load*	prekidna sila *breaking load*	probna sila *proof load*	prekidna sila *breaking load*	probna sila *proof load*	prekidna sila *breaking load*	probna sila *proof load*	prekidna sila *breaking load*	na trenje / *plain*
d x t	bi min.	ba max.										korak / *pitch* t
mm	mm		kg/m	kN		kN		kN		kN		mm
10 x 28	12	36	2,3	20,0	40	33,0	55	22	44	29	58	45
13 x 36	15,6	47	3,8	31,5	63	55,8	93	37	74	49	98	56
16 x 45	19,2	58	5,8	50	100	84	140	56	112	74	148	63
18 x 50	21,6	65	7,3	63	125	107	178	71	142	94	188	70
20 x 56	24	72	9,0	80	160	132	220	88	176	116	232	80
23 x 64	27,6	83	12,0	100	200	174	290	116	232	153,5	307	91
26 x 73	31,2	94	15,0	125	250	223	371	149	297	196	392	105
30 x 84	36	108	20,0	170	340	296	494	198	396	261	523	126
33 x 92	39,6	119	25,0	200	400	359	599	239	478	316	632	126
36 x 101	43,2	130	29,0	250	500	427	712	285	570	377	753	147

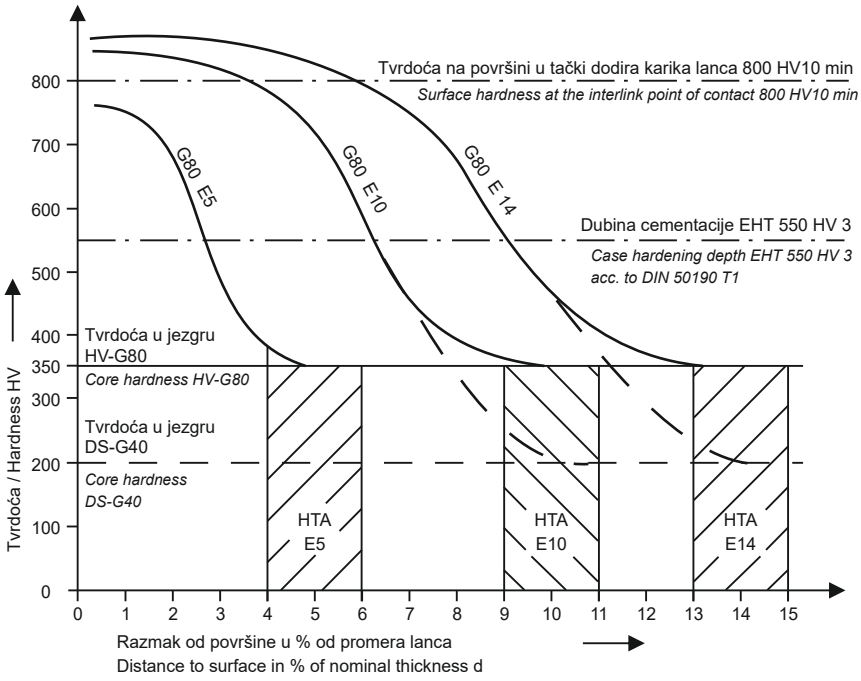


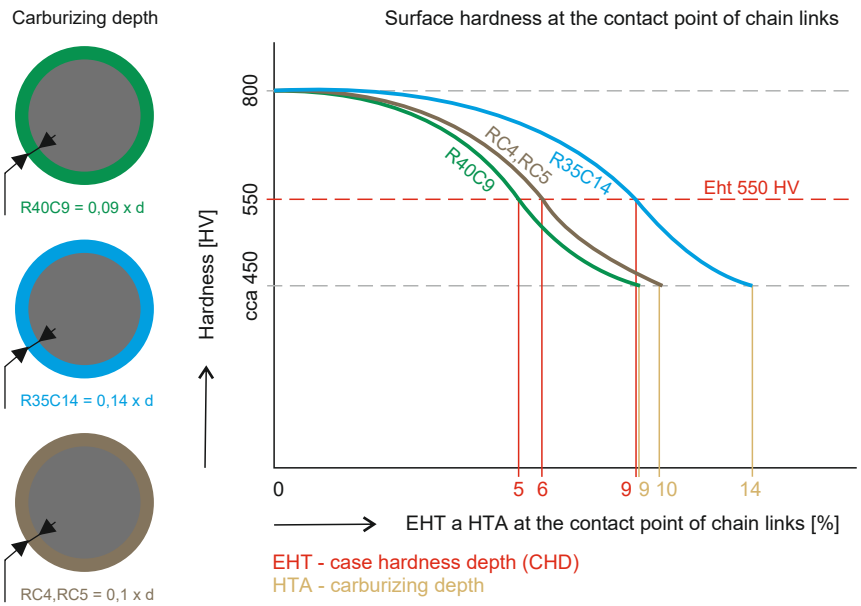
Slika preseka karike lanca
Quality features of case hardened round steel chains

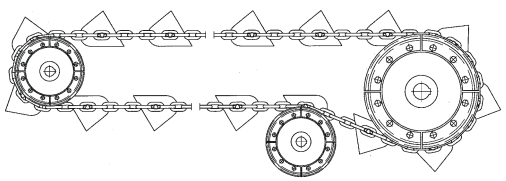
Tamni prsten predstavlja cementirani deo izuzetnom tvrdoćom što smanjuje habanje.

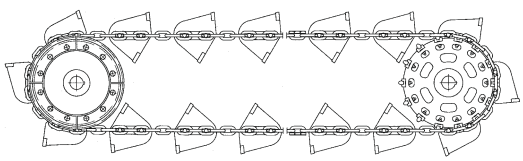
Cross section at the interlink point of contact - quality grade G80E14 - carburizing depth E14 = 0,14 x chain dia.

Prikaz tvrdoće u odnosu na dubinu cementacije od površine prema jezgru karike lanca na dodirnoj tački između dve karike
Hardness profiles at the interlink point of contact













Spojnice

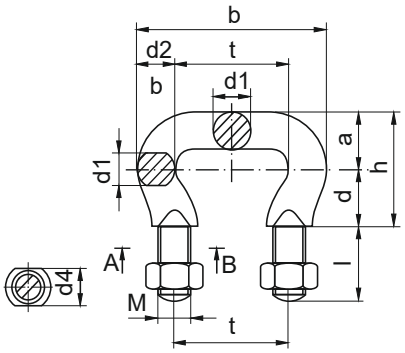
Shackles...

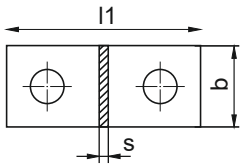
Pojedine spojnice imaju iste tehnološke karakteristike kao i odgovarajući lanac, visoke otpornosti na habanje.
Spojnice DIN 745 su pogodne za spajanje krajeva lanaca prema DIN 764 i DIN 766.

SPOJNICA ZA LANCE DIN 745

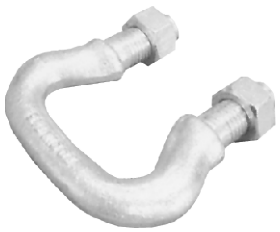
CHAIN SHACKLES ACC. TO DIN 745

t	a	b	d1	d2	d4	M	h	l	težina *weight*	minimalna prekidna sila *min. breaking load*				distančna pločica *distance plate*			težina *weight*	spojnica za lance *corresponding chain*	
										C45 vi	G80 E10 vi	RC4	RC5	l1	b	s		DIN 766	DIN 764
mm									kg	kN				mm			kg	diametar d	
45	20	73	11,5	14	12,5	M10	40	25	0,15	76	80	75	80	75	30	5	0,08	10	13
56	25	92	15	18	16,5	M12	50	32	0,32	112	125	112	125	95	40	6	0,17	13	16
63	30	105	18	21	20	M16	60	40	0,55	142	150	142	150	110	40	6	0,18	16	18
70	34	116	20	23	23	M20	68	45	0,86	176	200	176	200	120	50	6	0,25	18	20
80	37	132	23	26	25	M20	74	45	1,08	230	250	232	250	130	50	6	0,27	20	23
91	43	149	26	29	29	M24	86	55	1,65	300	315	300	315	150	60	8	0,5	23	26
105	50	173	30	34	31	M24	100	55	2,20	395	425	396	425	165	60	8	0,56	26	30
126	59	206	36	40	37	M30	118	70	3,95	570	600	571	611	200	70	10	0,97	30	36
147	68	239	42	46	42	M30	136	70	5,50	775	850	776	831	230	80	12	1,15	36	42





distančna pločica
distance plate

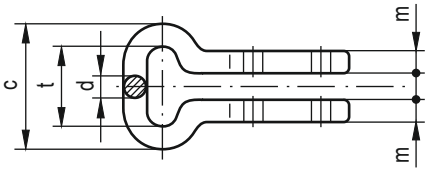


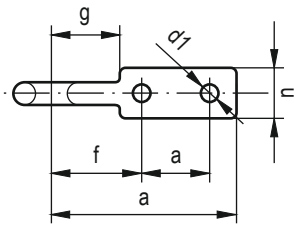


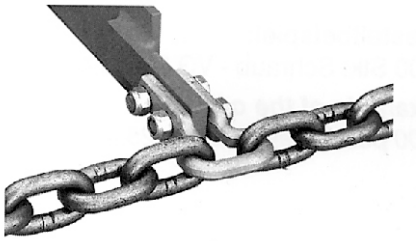
SPOJNICE
SHACKLES...

SPOJNICA SA DVA OTVORA ZA LANAC
FLIGHT ATTACHMENTS

spojnica sa dva otvora *flight attachments*	lanac *chain*	t	d	i	m	c	e	f	g	a	n	d1	težina *weight*
	d x t	mm											kg/pc.
8 x 31	8 x 31	31	8	21	10	47	62	30	22	20	20	9	0,18
10 x 35	10 x 35	35	10	12	10	55	82	40	30	30	22	8,5	0,25
13 x 45	13 x 45	45	13	15	12	71	100	50	34	35	28	12,5	0,50
18 x 64	18 x 64	64	18	20	18	100	157	78	50	40	38	18	1,1

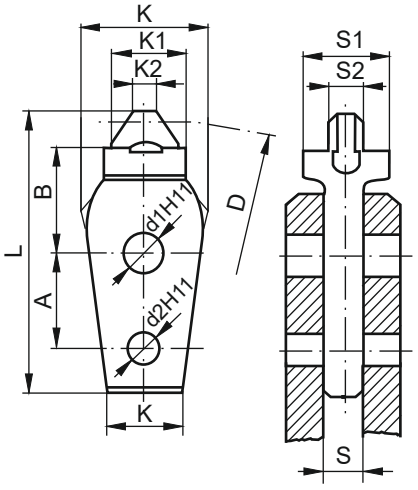






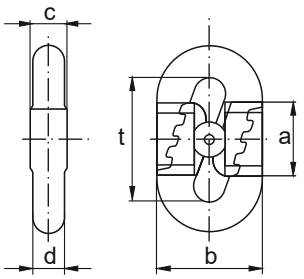
ZUB LANCA
INDIVIDUAL TEETH

zub lanaca *individual teeth*	A	B	L	K	K1	K2	K3	d1	d2	S	S1	S2
14 x 50	45	50	135	55	40	14	35	21	16	18	42	15
14 x 64	45	50	135	55	40	14	35	21	16	18	42	15
16 x 64	55	61	155	67	45	20	40	23	20	25	50	18,5
19 x 75	55	73	175	77	50	22,5	40	25	20	28	55	20
19 x 120	55	65	170	92	92	65	50	25	20	28	54	21
22 x 86	65	68	186	86	60	26	40	28	20	32	65	24
26 x 100	65	79	207	90	75	28	47	32	24	32	78	28
30 x 120	75	84	227	95	90	37	50	32	27	32	98	32
NAPOMENA: za lančanike kod kojih je broj zuba manji od deset, dimenzije su u donjoj tabeli !												
14 x 64	20	34	93	64	52	17,9	35	12	8	18	44	14
16 x 64	20	34,5	95	66	44	20	35	12	8	18	50	16





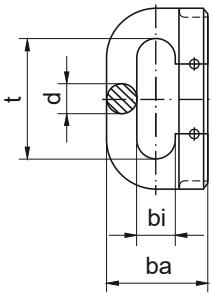
BRZOMONTIRAJUĆA SPOJNICA
CHAIN COUPLINGS



za lanac *for chains*	d	t	a	b	c	težina *weight*
	mm					kg
22 x 86	22	86	58	74	27	1,7
26 x 100	26	100	62	87	30	2,2
30 x 120	30	120	70	105	36	3,0
34 x 136	34	136	82	117	40	4,7
38 x 144	38	144	95	134	47	5,5



SPOJNICA oblika C
CONNECTING LINKS

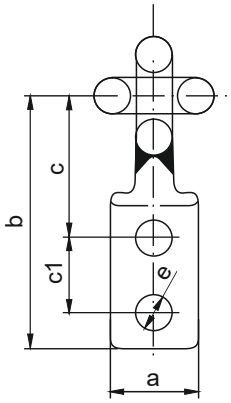


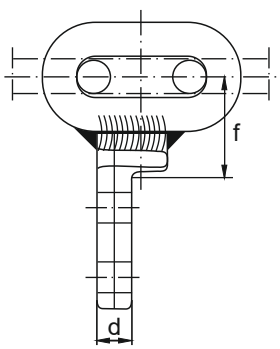


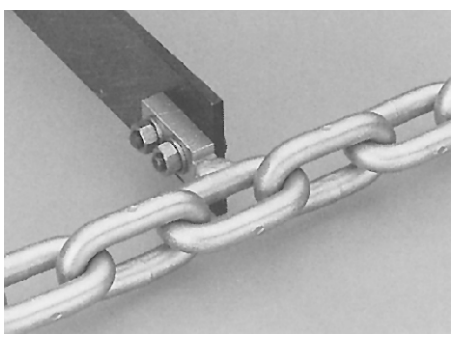
za lanac *for chains*	d	t	bi	ba	D x L	težina *weight*
	mm					kg
14 x 50	14	50	16	46	4 x 14	0,25
16 x 64	16	64	20	54	5 x 16	0,40
19 x 75	19	75	22	65	5 x 20	0,65
19 x 120	19	120	22	65	5 x 20	0,85
22 x 86	22	86	26	76,5	6 x 22	1,00
26 x 100	26	100	31	87	8 x 26	1,50
30 x 120	30	120	36	102	10 x 32	2,55
34 x 136	34	136	39,5	112	12 x 36	3,70

NAVARENA SPOJNICA
ATTACHMENTS - weld-on plate

navarena spojnica *weld-on plate*	lanac *chain*	a	b	c	c1	d	e	f	težina weight
	d x t	mm							kg
18 x 64	18 x 64	35	126	51	40	30	17	48	0,63
19 x 75	19 x 75	46	134	75	40	20	18	58	0,75
22 x 86	22 x 86	46	139	80	40	20	18	63	0,75





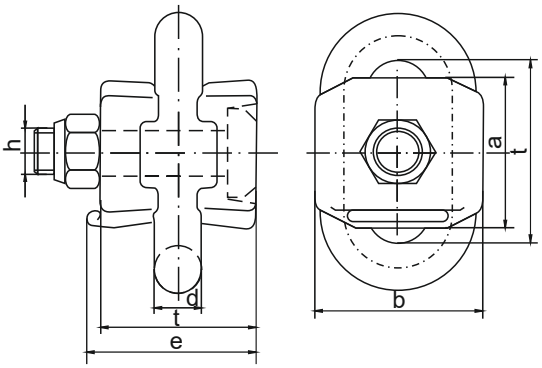




SPOJNICE
SHACKLES...

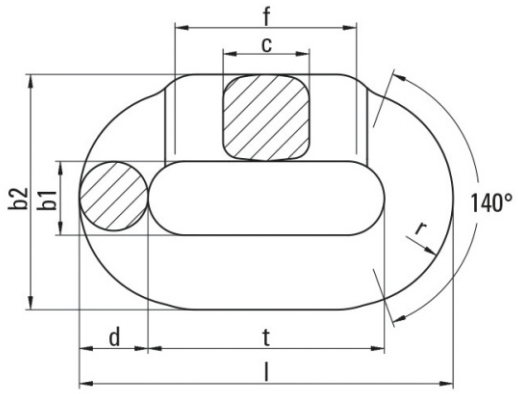
SPOJNICA ZA LANCE T18
FLANGE ATTACHMENT T18

mere / dimensions								
d	14	14	16	19	19	22	26	30
t	50	64	64	75	120	86	100	120
a	39	39	51	61	61	69	80	100
b	47	47	57	70	70	78	93	105
c	44	44	53	67	67	76	87	104
e	47	47	57	72	72	81	93	111
h	M12	M12	M16	M20	M20	M20	M24	M30
težina / weight	0,55	0,59	1,11	1,9	2,1	2,82	4,36	7,68





PATENTNA KARIKA
PATENT SHACKLE





veličina *size*	dimenzije *dimensions*						sila kidanja *breaking force*	težina *weight*
d×t	b1	b2	c	f	l	r	BF	
mm	mm	mm	mm	mm	mm	mm	kN	kg/St.
26×92	28	96	33	51	147	41,5	820	1,6
30×108	32	105	37	58	170	47	1100	2,5
34×126	37	115	41	66	196	54	1400	3,4
38×137	41	134	46	76	217	61	1820	5,0
38×146	41	134	46	76	223,5	61	1820	5,3
42×137	45	143,5	53	82	223,5	66	2150	6,3
42×146	45	143,5	53	82	232	66	2150	6,5



Od: _____ Odgovorna osoba: _____

Adresa: _____ Tel: _____ Fax: _____

_____ Telex: _____ Datum: _____

Firma: _____ Potpis: _____

Firma: _____ Datum: _____

Projekat: _____

1. Materijal koji se transportuje: _____
2. Karakteristike materijala: _____

   Korozivnost: jaka ☐ srednja ☐ bez ☐

   Abrazivnost: jaka ☐ srednja ☐ bez ☐
3. Veličina materijala: max: _____ min: _____
4. Specifična težina materijala: _____ t/m³
5. Temperatura materijala: _____ °C Temperatura lanca: _____ °C
6. Vlažnost materijala: _____ %
7. Prouzrokuje materijal koroziju lanca?

   Ne ☐ Da ☐ Hemijske osobine materijala

   Vrednost kiselosti pH: _____ Fosfor: _____ mg/l

   Sumpor: _____ mg/l Natrijum: _____ mg/l

   Hlor: _____ mg/l Kalcijum: _____ mg/l

   Azot: _____ mg/l Magnezijum: _____ mg/l

   Mogućnost dostave uzorka materijala?

   Ne ☐ Da ☐
8. Maksimalna kapaciteta transportovanja: _____ t/h
9. Brzina: stalna ☐ njihajuća ☐

   _____ m/s od - do _____ m/s

   Ciklusi? Ne ☐ Da ☐ Broj ciklusa: _____ Na (sat, dan) _____

   Radno i mirujuće vreme ciklusa: _____

   Vreme rada na dan: _____ h Godišnje: _____ h

Ostalo podaci !? Molimo dodajte.



10. Razmak osovina: _____ mm
11. Ugao penjanja: _____ stupnjeva
12. Broj čistača (prečke) _____ mm
13. Visina (dubina) (skica) _____ mm
14. Mere (druge) i težina (skica) _____
15. Dužina (širina) (skica) _____ mm
16. Dubina (skica) _____ mm
17. Jednolančani transport ☐ Dvolančani transport ☐
    Razmak između lanaca: _____ mm
18. Transport po donjoj strani ☐ Transport po gornjoj strani ☐
19. Punjenje: stalno ☐ nestalno ☐ Iz bunkera ☐
20. Trenje: Materijal na podu: μ = _____
    Ugao oduzimanja: μ = _____
    Prečka (čistač) na podu: μ = _____
21. Prečnik lančanog točka: _____ mm
22. Snaga pogonskog motora: _____ kW
23. Najveća snaga po lancu: _____ kN
24. Novoizgrađeno ☐ Prerada ☐

    Lanac koji se upotrebljavao pre prerade, standardi i dimenzije, najveća sila trganja, vreme rada i razlog zamene.

    _____

    _____

25. Molimo dopunite crtež sa svim dimenzijama. Uključite i tačke punjenja i ispraznivanja.
    (Ako je transporter drukčije od donje skice, potrebno je dodati crtež sa merima).





Tehnički lanci

Technical Chains

Svi lanci izrađeni su od odgovarajućih materijala, posebnih vrsta čelika. Posebna pažnja posvećena je visokootpornim lancima, kao npr lanci u klasi 8, koji imaju povećanu nosivost a time i veću prekidnu silu ili lancima koji su, zbog posebne termičke obrade, izuzetno otporni na habanje.

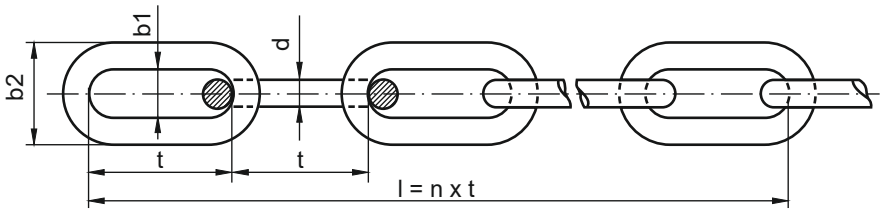
Među tim metarskim lancima su: DIN 762 - za transportere, DIN 763 - nekalibrisani, dugih karika, DIN 764 - za transportere, DIN 766 - kalibrisani ispitani, DIN 5683 - za sidrenje morskih oznaka, DIN 5685 - trgovački bez kvalitetnih zahteva, EN 818-7 - za dizalice, DIN 22252 - za trasportere i radne naprave u rudarstvu.



TEHNIČKI LANCI
TECHNICAL CHAINS

LANCI ZA TRANSPORTERE
ROUND STEEL LINK CHAINS for CONVEYORS

DIN 762



Oznaka lanca n.pr. klasa 2, prečnik d = 16 mm, korak t = 80 mm, LANAC DIN 762-2-16X80
Marking of a round-steel chain, quality grade 2, diameter d = 16 mm and pitch t = 80 mm:CHAIN DIN 762-2-16x80.

nazivni prečnik *nominal diameter* d	dozvoljeno odstupanje *allowable tolerance*	korak *pitch* t	dozvoljeno odstupanje *allowable tolerance*		širina *breadth* b1 min.	širina *breadth* b2 max.	merna dužina[1] *measuring lenght [1]* 11Xt	merna dužina[1] dozvoljeno odstupanje		masa *weight* kg/m ≈
10	±0,4	50	±0,8	-0,4	14	36	550	+3,9	-2,2	1,8
13	±0,5	65	+1	-0,5	18,2	46,8	715	+5	-2,9	3,1
16	±0,6	80	+1,3	-0,6	22,4	57,6	880	+6,2	-3,5	4,7
18	±0,9	90	+1,4	-0,7	25	65	990	+6,9	-4	6
20	±1	100	+1,6	-0,8	28	72	1100	+7,7	-4,4	7,4

[1] Bezbedno prilagođavanje lanca i lančanika je moguće ukoliko proizvođač ima na raspolaganju lančanik.
[1] Perfect fit of a chain to the sprocket-wheel will be secured, if the sprocket wheel is placed at manufacturer's disposal.

MEHANIČKE OSOBINE / *MECHANICAL PROPERTIES*

Klasa / *Grade* 2

nazivni prečnik *nominal diameter* d	dozvoljeno opterećenje* *working load** kN max.	probno opterećenje *proof load* kN min.	sila kidanja *breaking load* kN min.	ugib *bending* f
10	8	16	40	13
13	12,5	25	63	17
16	20	40	100	21
18	25	50	125	23
20	32	63	160	26

Klasa / *Grade* 3

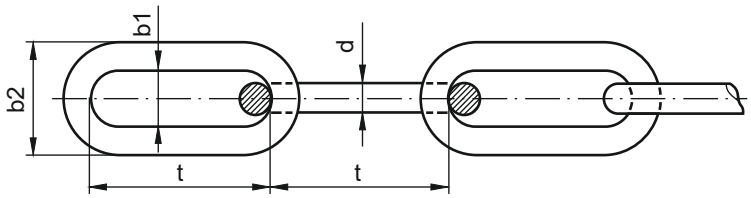
nazivni prečnik *nominal diameter* d	dozvoljeno opterećenje* *working load** kN max.	probno opterećenje *proof load* kN min.	sila kidanja *breaking load* kN min.	ugib *bending* f
10	10	25	50	13
13	16	40	80	17
16	25	63	125	21
18	32	80	160	23
20	40	100	200	26



Površinska obrada: crna. Ostale izvedbe po dogovoru.
Finish: self-coloured. Other types of finish according to agreement.

LANCI nekalibrisani, ispitani, sa dugim člancima
ROUND STEEL LINK CHAINS *non calibrated, tested, long link*

DIN 763



Oznaka lanca n.pr. prečnik d = 8 mm, korak t = 52 mm, LANAC DIN 763-8x52
Marking of a round-steel chain, diameter d = 8 mm and pitch t = 52 mm: CHAIN DIN 763-8x52

nazivni prečnik *nominal diameter* d	dozvoljeno odstupanje *allowable tolerance*	korak *pitch* t	dozvoljeno odstupanje *allowable tolerance*	širina / *breadth* unutrašnji *inside* b1 min.	širina / *breadth* spoljni *outside* b2 max.	dozvoljeno opterećenje *load capacity* kg	probno opterećenje *proof load* kN	sila kidanja *breaking load* kN min.	masa *weight* kg/m ≈
4	±0,2	32	±1	7,2	16,8	100	2,5	6,3	0,27
5	±0,25	35	+1,1	9	21	160	4	10	0,43
6	±0,3	42	+1,3	10,8	25,2	200	5	12,5	0,63
7	±0,35	49	+1,5	12,6	29,4	300	7,5	19	0,86
8	±0,4	52	+1,6	14,4	33,6	400	10	25	1,1
10	±0,5	65	+2	18	42	630	16	40	1,75
13	±0,65	82	+2,5	23,4	54,6	1000	25	63	2,95
16	±0,8	100	+3	28,8	67,2	1600	40	100	4,45

Površinska obrada crna. Ostale izvedbe po dogovoru.
Finish: Self-coloured. Other types of finish according to agreement.

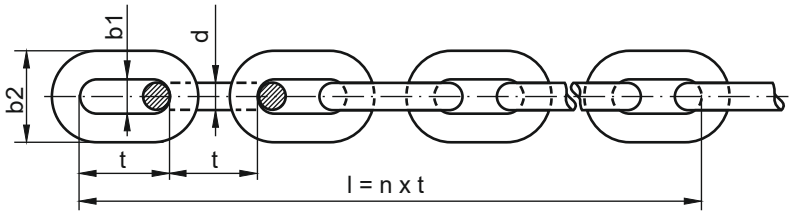


TEHNIČKI LANCI
TECHNICAL CHAINS

LANCI ZA TRANSPORTERE kalibrisani, ispitani, deljiv sa 3,5d

***ROUND STEEL LINK CHAINS for CONVEYORS** calibrated, tested, pitch 3,5d*

DIN 764



Oznaka lanca n.pr. klasa 2 sa tolerancijom A, prečnik d = 18 mm, korak t = 63 mm, LANAC DIN 764-2A-18x63

Marking of a round - steel chain grade 2, calibrated, diametar d = 18 mm and pitch t = 63 mm: CHAIN DIN 764-2A 18x63

nazivni prečnik *nominal diameter* d	dozvoljeno odstupanje *allowable tolerance*	korak *pitch* t	dozvoljeno odstupanje *allowable tolerance*		širina / *breadth* b_1 min.	b_2 max.	merna dužina² / *measuring length²* 11 x t	dozvoljeno odstupanje *allowable tolerance* tolerancija A *category A*		tolerancija B *category B*		masa *weight* kg/m ≈
10	±0,4	35	±0,6	-0,3	14	36	385	+1,7	-0,9	+2,7	-1,5	2
13	±0,5	45	+0,7	-0,4	18	47	495	+2,2	-1,1	+3,5	-2	3,5
16	±0,6	56	+0,9	-0,5	22	58	616	+2,8	-1,4	+4,3	-2,5	5,2
18	±0,9	63	+1	-0,5	24	65	693	+3,1	-1,6	+4,9	-2,8	6,5
20	±1	70	+1,1	-0,6	27	72	770	+3,5	-1,8	+5,4	-3,2	8,2
23	±1,2	80	±1,3	-0,7	31	83	880	+4	-2	+6,2	-3,5	11
26	±1,3	91	+1,5	-0,8	35	94	1001	+4,5	-2,3	+7	-4	14
28	±1,4	98	+1,6	-0,9	36	101	1078	+4,8	-2,5	+7,6	-4,3	16,5
30	±1,5	105	+1,7	-0,9	39	108	1155	+5,2	-2,7	+8,1	-4,6	19
33	±1,7	115	+1,9	-1	43	119	1265	+5,7	-2,9	+8,9	-5,1	22,5
36	±1,8	126	+2,1	-1,1	47	130	1386	+6,3	-3,2	+9,7	-5,5	26,5
39	±2	136	+2,2	-1,2	51	140	1496	+6,7	-3,4	+10,5	-6	31
42	±2,1	146	+2,4	-1,3	55	151	1617	+7,3	-3,7	+11,3	-6,5	36



MEHANIČKE OSOBINE / *MECHANICAL PROPERTIES*

Klasa / *Grade* 2

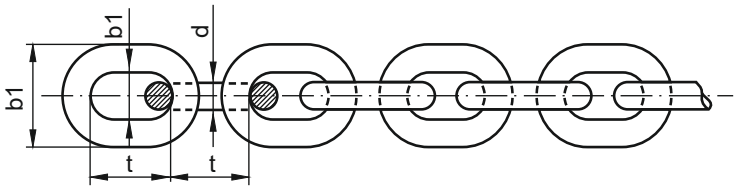
nazivni prečnik *nominal diameter* d	dozvoljeno opterećenje* *working load** kN max.	probno opterećenje *proof load* kN min.	sila kidanja *breaking load* kN min.	ugib *bending* f
10	10	20	40	10
13	16	32	63	13
16	25	50	100	16
18	32	63	125	18
20	40	80	160	20
23	50	100	200	23
26	63	125	250	26
28	75	150	300	28
30	85	170	340	30
33	100	200	400	33
36	125	250	500	36
39	140	280	560	39
42	170	340	680	42

Klasa / *Grade* 3

nazivni prečnik *nominal diameter* d	dozvoljeno opterećenje* *working load** kN max.	probno opterećenje *proof load* kN min.	sila kidanja *breaking load* kN min.	ugib *bending* f
10	12,5	32	50	10
13	21,5	53	85	13
16	32	80	125	16
18	40	100	160	18
20	50	125	200	20
23	67	170	265	23
26	85	212	340	26
28	100	250	400	28
30	112	280	450	30
33	132	335	530	33
36	160	400	630	36
39	190	475	750	39
42	224	560	900	42

LANCI kalibrisani, ispitani
***ROUND-STEEL LINK CHAINS** calibrated, tested*

DIN 766



Oznaka lanca n.pr. klasa 3, prečnik d = 13 mm, korak t = 36 mm, svetli, LANAC DIN 766-3-13x36
Marking of a round-steel chain grade 3, diameter d = 13 mmand pitch t = 36 mm, finish bright polished (bp): CHAIN DIN 766-3-13x36 bp.

Klasa / Grade 3

nazivni prečnik *nominal diameter* d	dozvoljeno odstupanje *allowable tolerance*	korak *pitch* t	dozvoljeno odstupanje *allowable tolerance*		širina / *breadth* b1 min.	b2 max.	merna dužina[1] *measuring length*[1] 11Xt	dozvoljeno odstupanje *allowable tolerance*		masa *weight* kg/m ≈	dozvoljeno opterećenje *load capacity* kg	probno opterećenje *proof load* kN min.	sila kidanja *breaking load* kN min.	ugib *bending* f min.
4	±0,2	16	+0,3	-0,2	4,8	13,6	176	+0,8	-0,4	0,32	200	5	8	3
5	±0,2	18,5	+0,4	-0,2	6	17	203,5	+0,9	-0,5	0,5	320	8	12,5	4
6	±0,2	18,5	+0,4	-0,2	7,2	20,4	203,5	+0,9	-0,5	0,8	400	10	16	5
7	±0,3	22	+0,4	-0,2	8,4	23,8	242	+1,1	-0,5	1,1	630	16	25	6
8	±0,3	24	+0,4	-0,2	9,6	27,2	264	+1,2	-0,6	1,4	800	20	32	7
9	±0,4	27	+0,5	-0,3	10,8	30,6	297	+1,3	-0,7	1,8	1000	25	40	7
10	±0,4	28	+0,5	-0,3	12	36	308	+1,4	-0,7	2,3	1250	32	50	8
11	±0,4	31	+0,5	-0,3	13,2	40	341	+1,5	-0,8	2,7	1600	40	63	9
13	±0,5	36	+0,6	-0,3	15,6	47	396	+1,7	-0,9	3,9	2000	50	80	11
14	±0,6	41	+0,7	-0,4	16,8	50	451	+2	-1	4,4	2500	63	100	12
16	±0,6	45	+0,8	-0,4	19,2	58	495	+2,2	-1,1	5,8	3200	80	125	13
18	±0,9	50	+0,8	-0,4	21,6	65	550	+2,5	-1,2	7,4	4000	100	160	15
20	±1	56	+1	-0,5	24	72	616	+2,8	-1,4	9	5000	125	200	16
23	±1,2	64	+1,1	-0,5	27,6	83	704	+3,2	-1,6	12	6300	160	250	19
26	±1,3	73	+1,2	-0,6	31,2	94	803	+3,6	-1,8	15	8000	200	320	22
28	±1,4	78	+1,3	-0,6	33,6	101	858	+3,8	-2	18	10000	250	400	23
30	±1,5	84	+1,4	-0,7	36	108	924	+4,2	-2,1	20	11200	280	450	24
32	±1,6	90	+1,5	-0,7	38,4	115	990	+4,5	-2,2	23	12500	320	500	26
36	±1,8	101	+1,7	-0,8	43,2	130	1111	+5	-2,5	29	16000	400	630	29
40	±2	112	+1,9	-0,8	48	144	1232	+5,6	-2,8	35	20000	500	800	32
42	±2,1	118	+2	-1	50	151	1298	+5,8	-3	40	22400	560	900	34

[1]Bezbedno prilagođavanje lanca i lančanika je moguće ukoliko proizvođač ima na raspolaganju lančanik.
[1]*Perfect fit of a chain to the sprocket-wheel will be secured, if the sprocket-wheel is placed at manufacturer's disposal.*

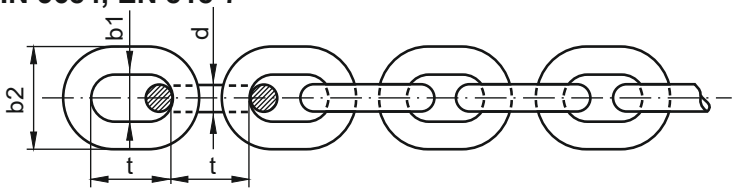
Obična trgovinska izvedba: svetla (sv.)
The type of finish customary in trade is bright polished (bp).



TEHNIČKI LANCI
TECHNICAL CHAINS

LANCI ZA DIZALICE kalibrisani, ispitani
***ROUND STEEL LINK CHAINS for LIFTING PURPOSES** calibrated, tested*

DIN 5684, EN 818-7



Oznaka lanca n.pr. klasa 8, prečnik d = 8 mm, korak t = 24 mm, svetli, LANAC DIN 5684-8-8x24 sv
Marking of a round-steel chain, grade 6, diameter d = 8 and pitch t = 24 mm, finish bright polished (bp): CHAIN DIN 5684-8-8x24 bp.

nazivni prečnik *nominal diameter* d	dozvoljeno odstupanje *allowable tolerance*	korak *pitch* t	dozvoljeno odstupanje *allowable tolerance*		širina / *breadth* b1² min.	b2 max.	merna dužina 11 x t¹ *measuring length 11 x t¹* 11Xt	dozvoljeno odstupanje *allowable tolerance*		masa *weight* kg/m ≈
4	±0,2	12	±0,15	-0,1	5	13,7	132	+0,4	-0,2	0,35
5	±0,2	15	+0,2	-0,1	6	16,9	165	+0,5	-0,3	0,54
(5)	±0,2	(18,5)	+0,25	-0,1	6	16,9	203,5	+0,7	-0,3	0,5
6	±0,2	18	+0,25	-0,1	7,2	20,2	198	+0,6	-0,3	0,8
(6)	±0,2	(18,5)	+0,25	-0,1	7,2	20,2	203,5	+0,7	-0,3	0,8
7	±0,3	21	+0,3	-0,15	8,4	23,6	231	+0,7	-0,4	1,1
(7)	±0,3	(22)	+0,3	-0,15	8,4	23,6	242	+0,8	-0,4	1,1
8	±0,3	24	+0,3	-0,15	9,6	27	264	+0,8	-0,4	1,4
9	±0,4	27	+0,35	-0,2	10,8	30,4	297	+1	-0,5	1,8
10	±0,4	28	+0,35	-0,2	12	34	308	+1	-0,5	2,2
11	±0,4	31	+0,4	-0,2	13,2	37,4	341	+1,1	-0,5	2,7
13	±0,5	36	+0,45	-0,25	15,6	44,2	396	+1,3	-0,6	3,8
14	±0,6	41	+0,5	-0,3	16,8	47,6	451	+1,4	-0,7	4,4
16	±0,6	45	+0,6	-0,3	19,2	54,4	495	+1,6	-0,8	5,7
18	±0,9	50	+0,65	-0,3	21,6	61,2	550	+1,8	-0,9	7,3
*20	±1	60	+0,8	-0,4	24	68	660	+2	-1	8,8
*22	±1,1	66	+0,85	-0,45	26,4	75	726	+2,4	-1,1	10,7



MEHANIČKE OSOBINE
MECHANICAL PROPERTIES

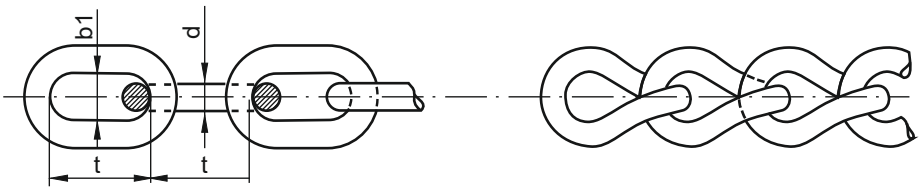
DIN 5684, EN 818-7

Klasa / *Grade* 8

nazivni prečnik *nominal diameter* d	nosivost lanca za *working load capacity of the chain for* motornu *motor hoists* 1 Bm kg	ručnu diz. *hoists* kg	kalibrisana sila *proof load* kN min.	probno opterećenje *proof tested tension* kN min.	sila kidanja *breaking load* kN min.	ugib *bending* f min.
4	400	500	12,5	10	20	3
5	630	750	20	15	32	4
6	900	1120	28	22,4	45	5
7	1250	1500	40	30	60	6
8	1600	2000	50	40	80	7
9	2000	2500	63	50	100	7
10	2500	3200	80	63	125	8
11	3000	3750	95	75	150	9
13	4250	5300	132	106	212	11
16	6300	8000	200	160	320	13
18	8000	10000	250	200	400	15
20	10000	12500	320	250	500	16
22	12500	16000	400	320	630	18

LANCI trgovački kvalitet
***ROUND STEEL CHAINS** commercial quality*

DIN 5685



nazivni prečnik *nominal diameter*	korak *pitch*	dozvoljeno odstupanje *allowable tolerance*	spoljna širina *outside width*	masa oblika *mass profile* G	trgovinska oznaka *trade mark*
d	t¹		b1¹	kg/100m	
2	12	±0,6	3,6	7	A kratki / short
	22	±1,1		6	C dugi / long
2,5	14	±0,7	4,5	11	A kratki / short
	24	±1,2		10	C dugi / long
3	16	±0,8	5,4	16,5	A kratki / short
	26	±1,3		15	C dugi / long
3,5	18	±0,9	6,3	22,4	A kratki / short
	28	±1,4		20	C dugi / long
4	19	±1	7,2	30	A kratki / short
	32	±1,6		27	C dugi / long
4,5	20	±1	8,1	39,5	A kratki / short
	34	±1,7		35	C dugi / long
5	21	±1,1	9	50	A kratki / short
	35	±1,8		43	C dugi / long
6	24	±1,2	10,6	73	A kratki / short
	42	±2,1		63	C dugi / long
7	28	±1,4	12,6	100	A kratki / short
	49	±2,5		86	C dugi / long
8	32	±1,6	14,4	130	A kratki / short
	52	±2,6		110	C dugi / long
10	40	±2	18	205	A kratki / short
	65	±2,5		157	C dugi / long
12	48	±2,4	21,6	290	A kratki / short
	78	±3,9		255	C dugi / long
13	52	±2,6	23,4	345	A kratki / short
	82	±4,1		295	C dugi / long

TEHNIČKI LANCI
TECHNICAL CHAINS

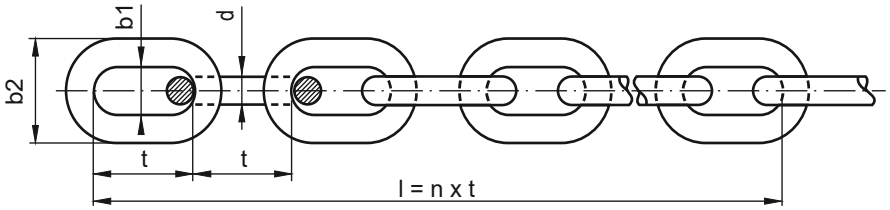


TEHNIČKI LANCI
TECHNICAL CHAINS

LANCI ZA TRANSPORTERE I RADNE MAŠINE U RUDARSTVU
kalibrisani, ispitani

STEEL CHAINS /round link/ for use with CONVEYORS and COALGETTING EQUIPMENT in MINING
calibrated, tested

DIN 22252



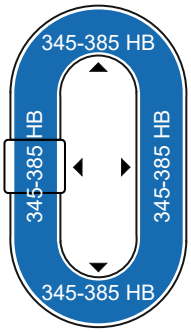
Oznaka lanca n.pr. klasa 2, veličina 30 x 108 sa tolerancijom dužine po tabeli 1, LANAC DIN 22252-2-30 x 108-1
Marking of a round-steel chain grade 2, nominal size 30 x 108, length alowance according to table 1: CHAIN DIN 22252-2-30 x 108-1

dimenzija *nominal size*	nazivni prečnik *nominal diameter*	dozvoljeno odstupanje *allowable tolerance*	korak *pitch*	dozvoljeno odstupanje *allowable tolerance*	širina *breadth*		radijus *radius* r +2 -0	masa *weight*	korak t *lengt of n links t*	dozvoljeno odstupanje *allowable tolerance*
d x t	d		t		b1	b2		kg/m	5 x t	
14 x 50[1]	14	±0,4	50	±0,5	17	48	22	4,0	250	±1
16 x 64[1]	16	±0,4	64	±0,4	20	55	24	4,9	320	
18 x 64[1]	18	±0,5	64	±0,6	21	60	28	6,6	320	
19 x 64,5	19	±0,5	64,5	±0,6	22	63	28,5	7,6	322,5	
22 x 86	22	±0,7	86	±0,9	26	73	34	9,5	430	
24 x 87,5[1]	24	±0,8	87,5	±0,9	28	79	37	11,5	437,5	
26 x 92[1]	26	±0,8	92	±0,9	30	85	40	13,7	460	
30 x 108[1]	30	±0,9	108	±1,0	34	97	46	18,0	540	±1,2
34 x 126	34	±1,1	126	±1,2	38	109	52	22,7	630	±1,3
38 x 137	38	±1,1	137	±1,4	42	121	58	29	685	±1,4
42 x 152	42	±1,3	152	±1,5	46	133	64	35,3	760	±1,5

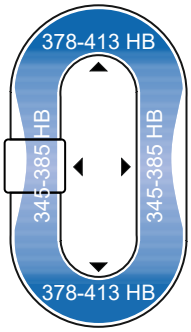
dimenzija *nominal size*	B		C		RCV9		D		DH	
	probna sila *proof load*	prekidna sila *breaking load*	probna sila *proof load*	prekidna sila *breaking load*	probna sila *proof load*	prekidna sila *breaking load*	probna sila *proof load*	prekidna sila *breaking load*	probna sila *proof load*	prekidna sila *breaking load*
d x t	kN		kN		kN		kN		kN	
14 x 50[1]	154	194	185	246	185	277	215	308	185	308
16 x 64[1]	200	250	240	320	-	-	-	-	-	-
18 x 64[1]	254	321	305	407	330	460	356	510	305	510
19 x 64,5	283	357	340	454	360	510	397	570	340	570
22 x 86	-	-	456	608	490	680	532	760	456	760
24 x 87,5[1]	-	-	543	724	580	815	633	900	543	900
26 x 92[1]	-	-	637	850	640	960	743	1060	637	1060
30 x 108[1]	-	-	848	1130	850	1270	990	1410	848	1410
34 x 126	-	-	1090	1450	1090	1640	1270	1820	1090	1820
38 x 137	-	-	1360	1820	-	-	1590	2260	-	-



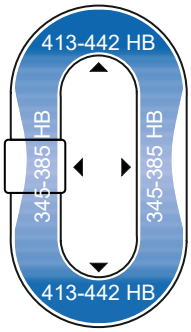
C



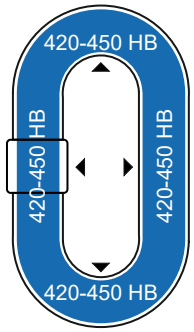
RCV 9



D



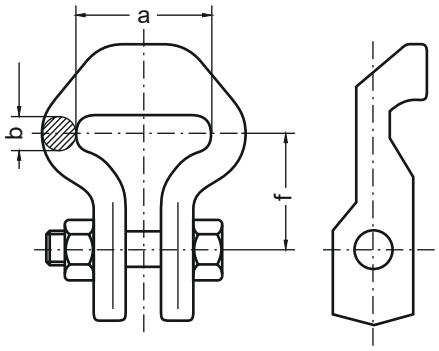
DH



SPOJNICA LANCA ZA RUDNIČKI TRANSPORT

CHAIN SHACKLE FOR MINING TRANSPORT

JUS C.H4.201



Primer označavanja spojnice veličine 18 x 64 kvaliteta B:
SPOJNICA B 18 x 64 JUS C.H4.201

kvalitet *quality sign*	veličina *size*	a		b		f ±1	opitna sila kN
		min.	max.	min.	max.		
B	14 x 50	48	50	14	16	51	150
	16 x 64	62	64	16	18	55	200
	18 x 64	62	64	18	20,5	55	250
C	14 x 50	48	50	14	16	51	200
	16 x 64	62	64	16	18	55	260
	18 x 64	62	64	18	20,5	55	330
*	22 x 86	84	86	22	24	75	500
**	24 x 86	84	86	24	25	75	500
**	26 x 92	90	92	26	28	85	640

kvalitet *quality sign*	veličina *size*	vijci / *paddle* JUS M.B1.051 DIN 931	matice / flute JUS M.B1.601 DIN 934	kvalitet po JUS M.B1.023 DIN 267 Bl. 3	
				vijci *paddle*	matice *flute*
B	14 x 50	M 16 x 60	M 16 x 60	8.8	8
i	16 x 64	M 20 x 70	M 20 x 70	8.8/10.9	8/10
C	18 x 64	M 20 x 75	M 20 x 75	8.8/10.9	8/10
*	22 x 86	M 24 X 90	M 24 X 90	10.9	10

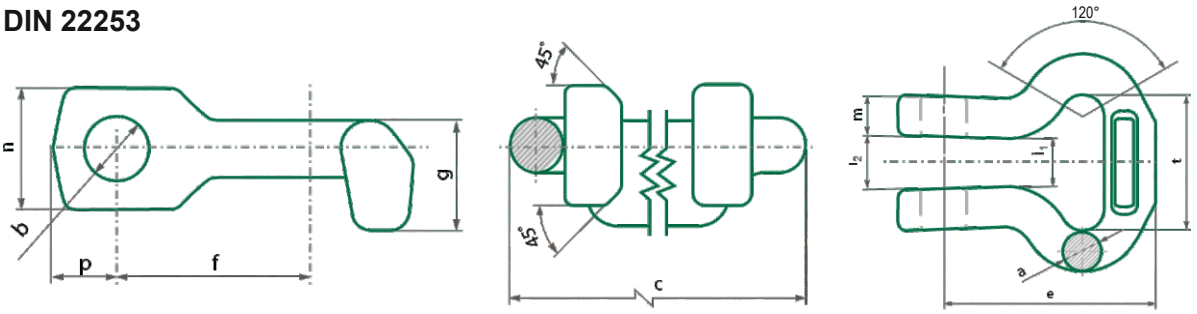
TEHNIČKI LANCI
TECHNICAL CHAINS



SPOJNICE SA KLJUNOM I JEDNIM OTVOROM

***LOCKS FOR DOUBLE AND TRIPLE CHAIN ASSEMBLIES** with chamfered arms*

DIN 22253



dimenzije spojnice *lock dimensions*	a	t	c	b	e $^{+1}_{-2}$	l_1	l_2	m $^{0}_{-1}$	n $^{0}_{-1}$	p $^{+1}_{0}$	f $^{+1}_{-0,5}$	g $^{+1}_{-1,5}$
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
14×50.0	15 $^{+0.7}_{-0.5}$	50.0 $^{+0.8}_{-0.3}$	79±1	17+0.5	78	17.5 $^{+1}_{0}$	l_{1list} $^{+1.5}_{0}$	15	32	17	51	29
18×64.0	19 $^{+1.0}_{-0.5}$	64.0 $^{+0.9}_{-0.3}$	101±1	21+0.5	100	20.5 $^{+1}_{0}$	l_{1list} $^{+1.5}_{0}$	19	43	37	55	40
19×64.5	20 $^{+1.0}_{-0.5}$	64.5 $^{+0.9}_{-0.3}$	105±1	21+0.5	100	20.5 $^{+1}_{0}$	l_{1list} $^{+1.5}_{0}$	20	43	37	55	41
22×86.0	23 $^{+1.0}_{-0.5}$	86.0 $^{+1.3}_{-0.4}$	132±2	25+1.0	133	24.5 $^{+1}_{0}$	l_{1list} $^{+1.5}_{0}$	23	52	44	75	46
24×86.0	25 $^{+1.0}_{-0.5}$	86.0 $^{+1.3}_{-0.4}$	136±2	25+1.0	133	26.0 $^{+1}_{0}$	l_{1list} $^{+2}_{0}$	25	53	44	78	55
26×92.0	27 $^{+1.0}_{-0.5}$	92.0 $^{+1.4}_{-0.5}$	146±2	28+1.0	141	28.0 $^{+1.5}_{0}$	l_{1list} $^{+2}_{0}$	27	58	44	85	56
30×108.0	32 $^{+1.0}_{-0.5}$	108.0 $^{+1.6}_{-0.5}$	172±2	31+1.0	159	32.0 $^{+1.5}_{0}$	l_{1list} $^{+2}_{0}$	32	70	44	100	59

mehaničke karakteristike spojnica
mechanical properties of locks

dimenzije spojnice *lock dimensions*	probna sila *test force*			prekidna sila *breaking force*		
	klasa B *grade B*	klasa C *grade C*	DIN 22253	klasa B *grade B*	klasa C *grade C*	DIN 22253
mm	kN	kN	kN	kN	kN	kN
14×50.0*	135	180	185	170	225	212
18×64.0*	230	300	305	290	370	351
19×64.5	260	325	340	325	405	391
22×86.0	-	440	456	-	550	525
24×86.0	410	490	507	510	650	588
26×92.0	-	-	595	-	-	690
30×108.0	-	-	750	-	-	869

specifikacija vijaka i navrtki za spojnice
specification of bolts and nuts of locks

dimenzije spojnice *lock dimensions*	vijak *bolt*		navrtka *nut*		*obrtna sila primenjena na navrtku torque applied to a nut*	masa *weight*
mm	tip *type*	klasa *grade*	tip *type*	klasa *grade*	Nm	kg
14×50.0*	M16×70	8.8	M16	8	220	0.8
18×64.0*	M20×90	10.9	M20	10	600	1.6
19×64.5	M20×90	10.9	M20	10	600	1.6
22×86.0	M24×110	10.9	M24	10	1000	2.9
24×86.0	M24×110	10.9	M24	10	1000	3.2
26×92.0	M27×120	10.9	M27	10	1500	3.8
30×108.0	M30×140	10.9	M30	10	2100	6.4



Teretni lanci I elementi za teretne lance klase 8 / G80

Chains for Carrying Weights, Shackles, Hooks, Connecting Links

Stalna kontrola pri izboru materijala - mikrolegiranih čelika za izradu lanaca za dizanje i prenos tereta (i njihovih sastavnih elemenata), obezbeđuje sigurnost pri njihovoj upotrebi.

Sigurnosti pri radu i dužem trajanju lanaca možemo doprineti njihovom pravilnom upotrebom, redovnim pregledom i održavanjem.

Velika mogućnost kombinacije lanaca i sastavnih delova, može zadovoljiti potrebe vrlo zahtevnih korisnika. Za sve lance i elemente, na osnovu testiranja, izdaje se potvrda o kvalitetu, odnosno odgovarajući atest.

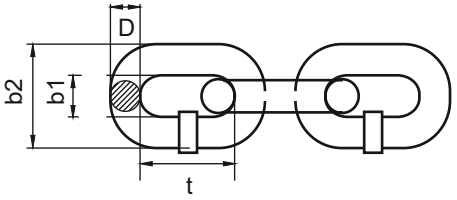


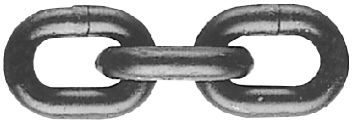


LANAC ZA DIZANJE I PRENOS TERETA (TERETNI LANAC)

CHAINS FOR CARRYING WEIGHTS

EN 818-2 KLASA 8 / G80





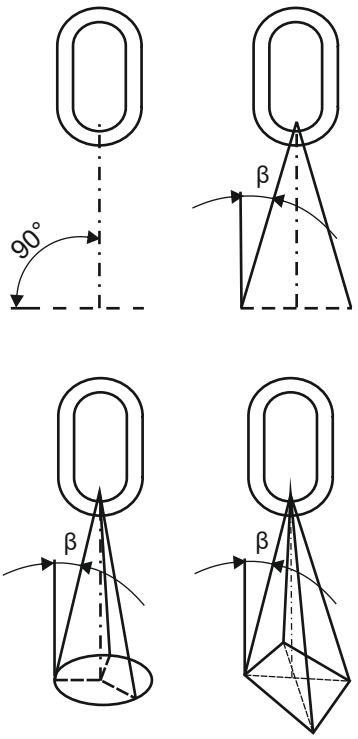
lanac *chains*	tolerancija *tolerance*	korak *pitch*			težina *weight*	dozvoljena nosivost *W.L.L.*	probno opterećenje *M.P.E.*	prekidna sila *B.F.*	minimalni ugib f
Ø mm	mm	t mm	b1 min mm	b2 max mm	Kg/m	Kg	KN	KN	mm
6	±0,24	18	7,8	22,2	0,8	1120	28,3	45,2	4,8
7	±0,28	21	9,1	25,9	1,1	1500	38,5	61,6	5,6
8	±0,32	24	10,4	29,6	1,4	2000	50,3	80,4	6,4
10	±0,40	30	13	37	2,2	3150	78,5	126	8
13	±0,52	39	16,9	48,1	3,8	5300	133	212	10
16	±0,64	48	20,8	59,2	5,7	8000	201	322	13
18	±0,90	54	23,4	66,6	7,3	10000	254	407	14
20	±1,00	60	26	74	9	12500	314	503	16
22	±1,10	66	28,6	81,4	10,9	15000	380	608	18
26	±1,30	78	33,8	96,2	15,2	21200	531	849	21
32	±1,60	96	41,6	118	23	31500	804	1290	26

DOZVOLJENA OPTEREĆENJA OBESNIH SKLOPOVA

ALLOWED LOADINGS OF THE SUSPENDED STRUCTURE

KLASA 8 / G80

broj krakova / *no. legs*		1	2	2	3-4	3-4
ugao / *angle*		0	0 - 45°	45 - 60°	0 - 45°	45 - 60°
faktor nosivosti lanca *loading capacity factor*		1	1,4	1	2,1	1,5
	mm	kg	kg	kg	kg	kg
lanac *chains*	6	1120	1600	1120	2360	1700
	7	1500	2120	1500	3150	2240
	8	2000	2800	2000	4250	3000
	10	3150	4250	3150	6700	4750
	13	5300	7500	5300	11200	8000
	16	8000	11200	8000	17000	11800
	18	10000	14000	10000	21200	15000
	20	12500	17000	12500	26500	19000
	22	15000	21200	15000	31500	22400
	26	21200	30000	21200	45000	31500
	32	31500	45000	31500	67000	47500
	DOZVOLJENO OPTEREĆENJE U % KOD POVEĆANJA TEMPERATURE					
	-40° < = t < 200°C		200° < = t < 300°C		300° < = t < 400°C	
	100%		90%		75%	

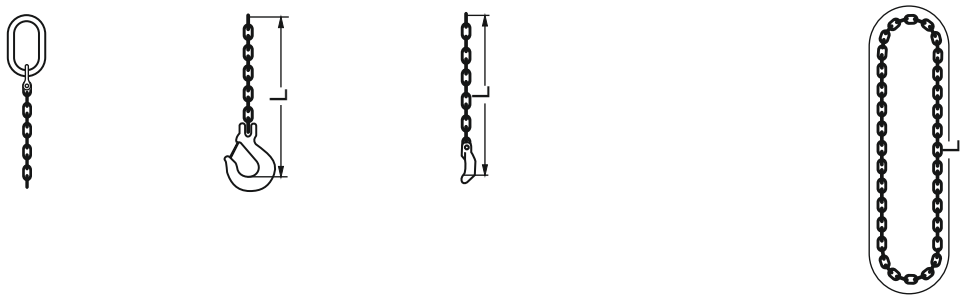


LANCI ZA DIZANJE I PRENOS TERETA (JEDNOSTRUKI)

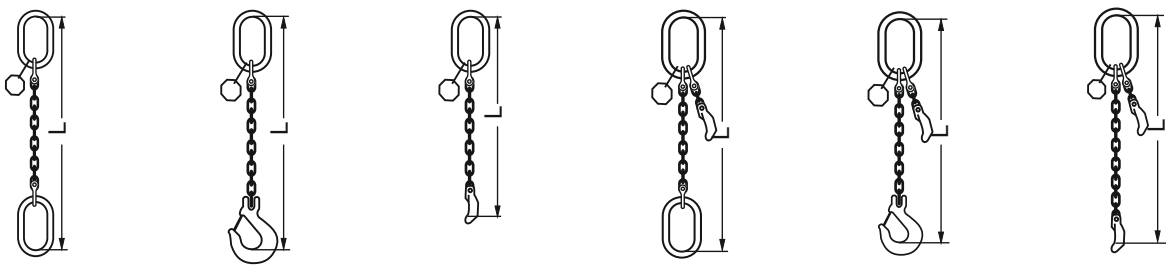
CHAINS FOR CARRYING WEIGHTS (SINGLE)

EN 818-2

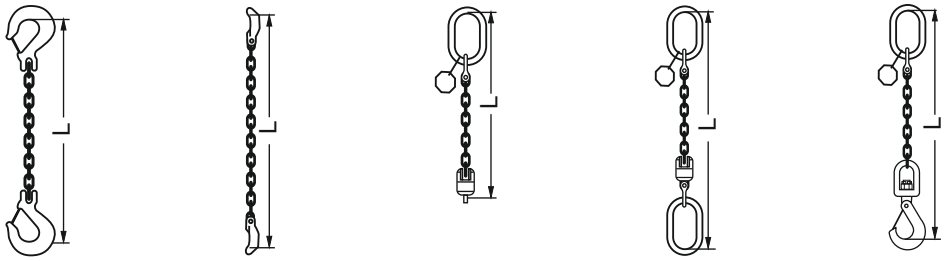
VB 101 **VB 102** **VB 103** **VB 105**



VB 111 **VB 112** **VB 113** **VB 121** **VB 122** **VB 123**



VB 142 **VB 143** **VB 150** **VB 151** **VB 152**

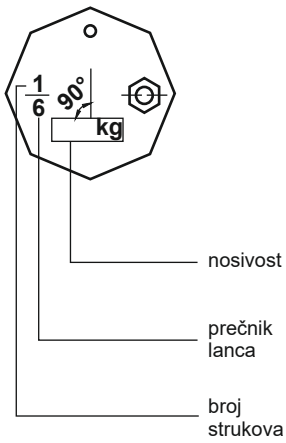


DOZVOLJENA NOSIVOST SKLOPOVA

ALLOWED LOADINGS OF STRUCTURE

KLASA 8 / G80

broj krakova / *no. legs*		1
ugao / *angle*		0
faktor nosivosti lanca *loading capacity factor*		1
	mm	kg
lanac *chains*	6	1120
	7	1500
	8	2000
	10	3150
	13	5300
	16	8000
	18	10000
	20	12500
	22	15000
	26	21200
	32	31500



DOZVOLJENO OPTEREĆENJE U % KOD POVEĆANJA TEMPERATURE		
-40° < = t < 200°C	200° < = t < 300°C	300° < = t < 400°C
100%	90%	75%

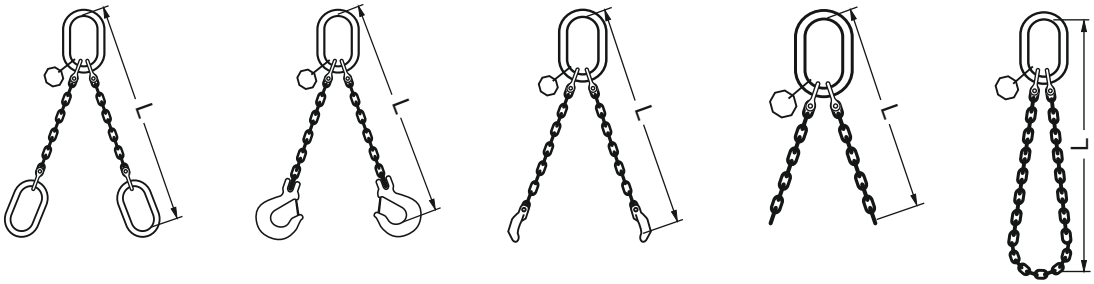
TERETNI LANCI I ELEMENTI ZA TERETNE LANCE
CHAINS FOR CARRYING WEIGHTS

LANAC ZA DIZANJE I PRENOS TERETA (DVOSTRUKI)

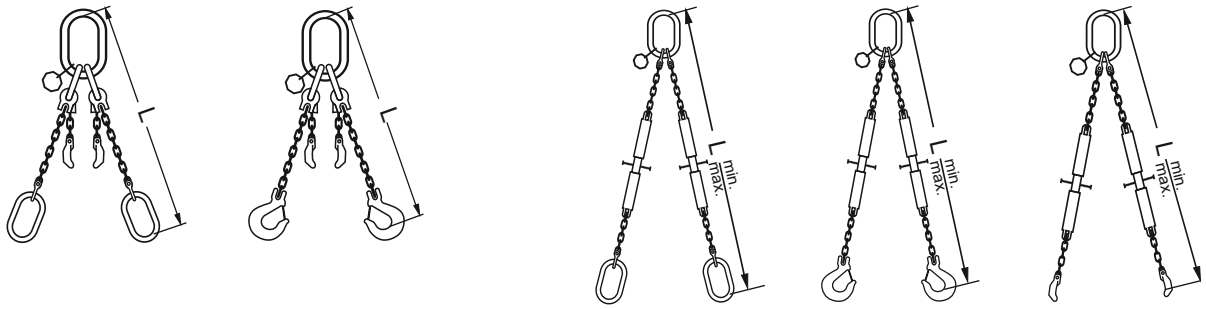
CHAINS FOR CARRYING WEIGHTS (TWO LEGS)

EN 818-2

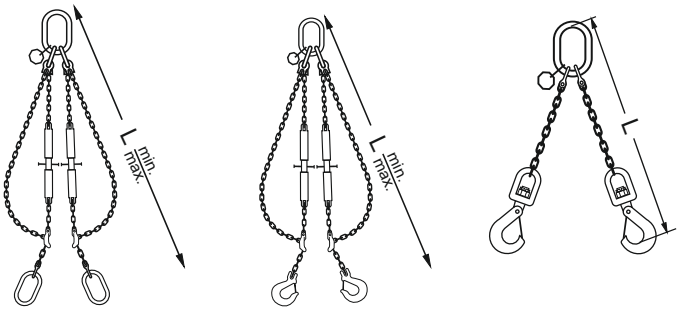
VB 201 **VB 202** **VB 203** **VB 204** **VB 205**



VB 221 **VB 222** **VB 231** **VB 232** **VB 233**



VB 241 **VB 242** **VB 252**



DOZVOLJENA NOSIVOST SKLOPOVA *ALLOWED LOADINGS OF STRUCTURE*

KLASA 8 / G80

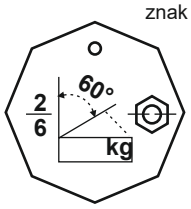
broj krakova / *no. legs*		2	2
ugao / *angle*		0-45°	45-60°
faktor nosivosti lanca *loading capacity factor*		1,4	1
	mm	kg	kg
lanac *chains*	6	1600	1120
	7	2120	1500
	8	2800	2000
	10	4250	3150
	13	7500	5300
	16	11200	8000
	18	14000	10000
	20	17000	12500
	22	21200	15000
	26	30000	21200
	32	45000	31500

broj strukova



prečnik lanca

znak proizvođača



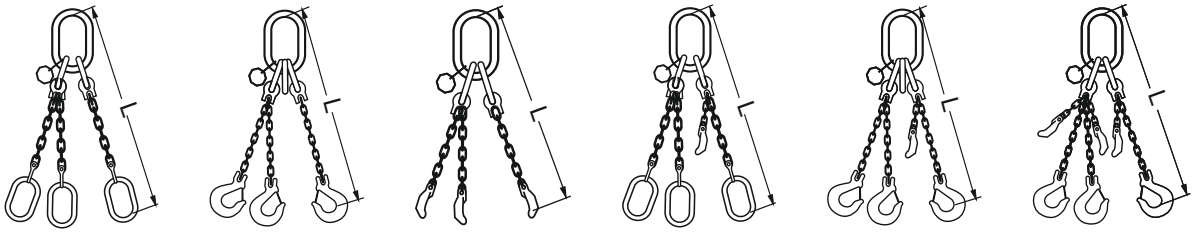
nosivost kod određenog ugla

DOZVOLJENO OPTEREĆENJE U % KOD POVEĆANJA TEMPERATURE		
-40° < = t < 200°C	200° < = t < 300°C	300° < = t < 400°C
100%	90%	75%

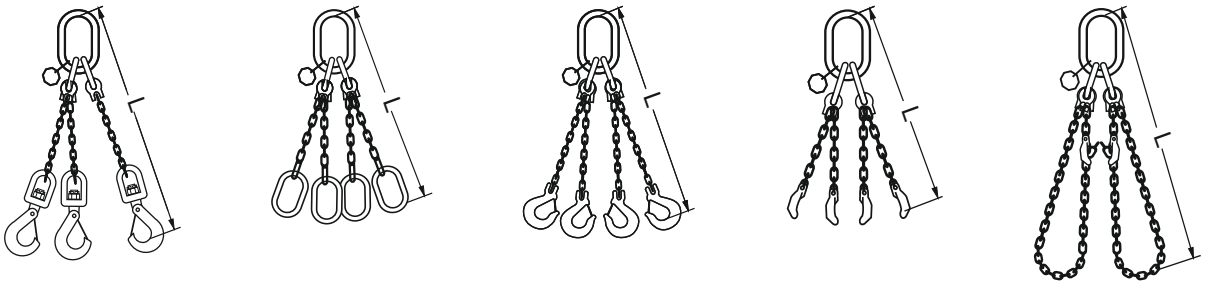
LANCI ZA DIZANJE I PRENOS TERETA (TRO- i ČETVOROSTRUKI)
CHAINS FOR CARRYING WEIGHTS (THREE AND FOUR LEGS)

EN 818-2

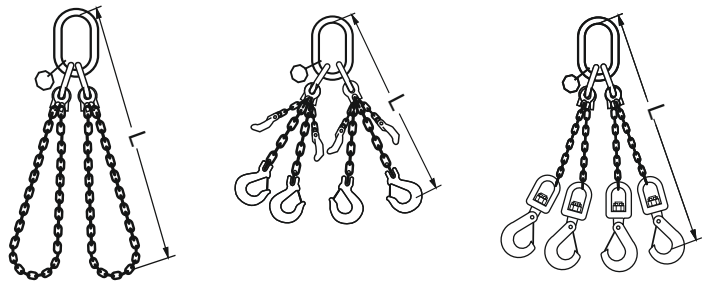
VB 301	VB 302	VB 303	VB 311	VB 312	VB 322



VB 352	VB 401	VB 402	VB 403	VB 404



VB 405	VB 422	VB 452



DOZVOLJENA NOSIVOST SKLOPOVA / *ALLOWED LOADINGS OF STRUCTURE*

KLASA 8 / G80

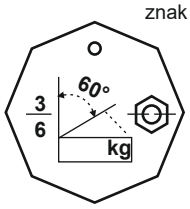
broj krakova / *no. legs*		3-4	3-4
ugao / *angle*		0-45°	45-60°
faktor nosivosti lanca *loading capacity factor*		2,1	1,5
	mm	kg	kg
lanac *chains*	6	2360	1700
	7	3150	2240
	8	4250	3000
	10	6700	4750
	13	11200	8000
	16	17000	11800
	18	21200	15000
	20	26500	19000
	22	31500	22400
	26	45000	31500
	32	67000	47500

broj strukova



prečnik lanca

znak proizvođača



nosivost kod određenog ugla

DOZVOLJENO OPTEREĆENJE U % KOD POVEĆANJA TEMPERATURE		
-40° < = t < 200°C	200° < = t < 300°C	300° < = t < 400°C
100%	90%	75%

TERETNI LANCI I ELEMENTI ZA TERETNE LANCE
CHAINS FOR CARRYING WEIGHTS

LANCI ZA ZATEZANJE
CHAINS FOR ATTACHMENT

LANČANI SKLOP ZA ZATEZANJE TERETA



lanac *chain* mm	dozvoljena zatezna sila permissible tensile force daN	STF daN
6-8	2200	500
8-8	4000	1000
10-8	6300	1575
13-8	10000	1500
16-8	16000	2400





PREGLED I ODRŽAVANJE TERETNIH LANACA KLASE KVALITETA 8.

Lance, koji se upotrebljavaju u normalnim uslovima, moramo pregledati najmanje jednom godišnje, najmanje dva puta godišnje lance, koji su:

- često opterećeni sa najvećim dozvoljenim opterećenjem;
- upotrebljeni kod visokih temperatura;
- ispostavljeni hemijskim i atmosferskim uticajima.



$$\frac{d_1 + d_2}{2} > 0{,}9d$$

sl. 1

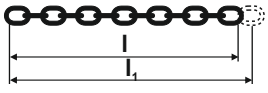


$$1{,}04t_1 > t_2$$

sl. 3

Kod pregleda zapažamo i merimo površinske promene, kao što su:

- prečnik karike lanca se ne sme smanjiti za više od 10% (sl. 1);
- dužina lanca se ne sme povećati za više od 5% (sl. 2);
- dužina pojedinačne karike se ne sme povećati više od 4% (sl. 3);
- lanac mora biti bez zareza i ogrebotina.



$$1{,}08l > l_1$$

sl. 2

LANCE, KOD KOJIH JE UOČENA NEKA OD GORNJIH GREŠAKA, TREBA UZETI IZ UPOTREBE

Čišćenjem lanaca posle upotrebe i pravilnim uskladištenjem postižemo duži vek trajanja lanca.

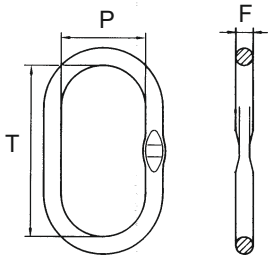
TERETNI LANCI I ELEMENTI ZA TERETNE LANCE
CHAINS FOR CARRYING WEIGHTS

TERETNI LANCI I ELEMENTI ZA TERETNE LANCE
CHAINS FOR CARRYING WEIGHTS

OBESNA ALKA "A"
MASTERLINK OVALE "A"

KLASA 8 / G80



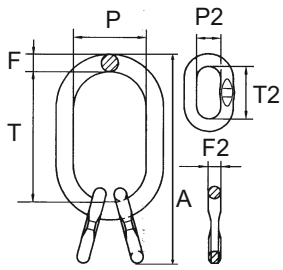


lanac *chain*		oznaka *code of use*	dimenzije *dimensions*			težina *weight*	nosivost *w.l.l.*
			DIN 5688-86				
⊥ Ø mm	∧		F	T mm	P	kg	kg
7	6	W-76-8	A 13	110	60	0,3	1600
8	7	W-87-8	A 16	110	60	0,5	2120
10	8	W-108-8	A 18	135	75	0,8	3150
13	10	W-1310-8	A 22	160	90	1,6	5300
16	13	W-1613-8	A 26	180	100	2,3	8000
18	16	W-1816-8	A 32	200	110	3,9	11200
20	18	W-2018-8	A 36	260	140	6,4	14000
22	20	W-2220-8	A 40	300	160	8,9	17000
26	22	W-2622-8	A 45	340	180	12,8	21200
32	26	W-3226-8	A 50	350	190	16,6	31500
36	32	W-3632-8	A 56	400	200	23,3	45000
40	36	W-4036-8	A 63	430	220	32,60	56000

OBESNI SKLOP "AB"
SUB-ASSEMBLY "AB"

KLASA 8 / G80



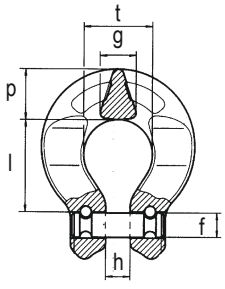


lanac *chain*	oznaka *code of use*	dimenzije *dimensions*							težina *weight*	nosivost *w.l.l.*
		DIN 5688-86								
∧ Ø mm		F	T	P	F2	T2	P2	A	kg	kg
		mm								
6	W-6-8	AB 18	135	75	13	60	38	189	1,2	2360
7	W-7-8	AB 18	135	75	13	60	38	189	1,2	3150
8	W-8-8	AB 22	160	90	16	70	34	230	2,3	4250
10	W-10-8	AB 26	180	100	18	85	40	265	3,4	6700
13	W-13-8	AB 32	200	110	22	115	50	315	6,1	11200
16	W-16-8	AB 36	260	140	26	140	65	400	9,9	17000
18	W-18-8	AB 45	340	180	32	180	100	520	18,9	21200
20	W-20-8	AB 50	350	190	32	180	100	530	22,6	26500
22	W-22-8	AB 50	350	190	36	180	100	530	25,2	31500
26	W-26-8	AB 56	400	200	40	180	100	580	35,2	45000
28	W-28-8	AB 72	460	250	50	200	110	660	66,5	50000

OMEGA SPOJNICA 7-16
OMEGA SHACKLE 7-16

KLASA 8 / G80



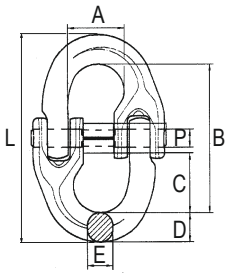


za lanac *for chains*	oznaka *code of use*	dimenzije *dimensions* mm						težina *weight*	nosivost *w.l.l.*
mm		h	t	l	g	p	f	Kg	Kg
7-8	OG 7-8	8,7	24,5	32	11	18,5	9,5	0,18	2000
10	OG 10	12,5	32	44	14	19,2	12	0,35	3150
13	OG 13	15	40	55	17	24,5	16	0,72	5300
16	OG 16	19	50	65,5	22	30	21	1,20	8000

SPOJNICA LANCA VG
CONNECTING LINK VG

KLASA 8 / G80



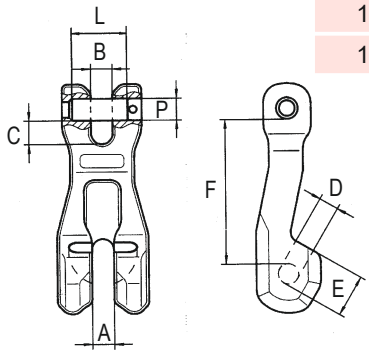


za lanac *for chain*	oznaka *code of use*	dimenzije *dimensions* mm					težina *weight*	nosivost *w.l.l.*
mm		A	B	D	E	L	Kg	Kg
6	VG 6-8	15,0	42,0	7,5	7	58,0	0,08	1120
7-8	VG 7/8-8	18,0	60,5	9,5	8,5	79,5	0,146	2000
10	VG 10-8	25,0	68,0	12,0	11,5	90,5	0,30	3150
13	VG 13-8	29,0	87,0	15,0	15,0	117,0	0,65	5300
16	VG 16-8	34,5	108,4	19,8	19,8	148,0	1,15	8000
20	VG 20-8	41,0	121,5	24,0	24,0	169,5	2,10	12500
22	VG 22-8	48,0	141,5	26,0	26,0	193,5	2,87	15000
26	VG 26-8	57,5	158,0	31,0	30,0	220,0	4,50	21200
32	VG 32-8	67,0	205,0	38,0	37,0	281,0	8,21	31500

SKRAĆIVAČ LANCA ČL 6-16
SHORTENING CLUTCH 6-16

KLASA 8 / G80



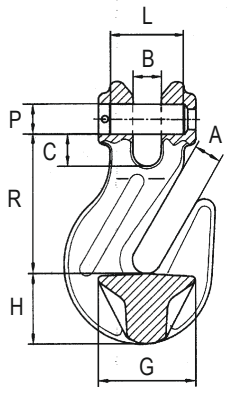


za lanac *for chain*	oznaka *code of use*	dimenzije *dimensions* mm						težina *weight*	nosivost *w.l.l.*
mm		A-B	C	D	E	F	P	Kg	Kg
6	ČL 6	6,7	8,5	7	11,8	45,4	7	0,16	1120
7-8	ČL 7-8	8,7	10	9	16,5	62	9	0,40	2000
10	ČL 10	12,5	14	12	25	87,5	13	0,94	3150
13	ČL 13	16,5	17	15	32,5	115	16	1,92	5300
16	ČL 16	20,5	19	19	39	143	21	3,16	8000

SKRAĆIVAČ LANCA 90-95
CLEVIS GRAB HOOK 90-95

KLASA 8 / G80





za lanac *for chain*	oznaka *code of use*	dimenzije *dimensions* mm							težina *weight*	nosivost *w.l.l.*
mm		A	B	C	P	R	G	H	Kg	Kg
7-8	90	10	9	10	9	50	30	23,5	0,27	2000
10	91	13	13	14	13	72	44	31,4	0,75	3150
13	92	17	17	17	16	88	52,5	38	1,35	5300
16	93	20	21	20	21	102	64	44,3	2,3	8000
20	94	24	24	24	24	117	85	53,3	4,1	12500
22	95	26	26	26	26	139	97	61,5	5,65	15000

TEŽINSKI LANCI I ELEMENTI ZA TERETNE LANCE
CHAINS FOR CARRYING WEIGHTS

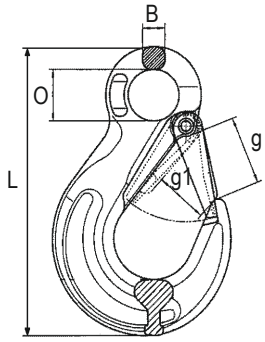


TERETNI LANCI I ELEMENTI ZA TERETNE LANCE
CHAINS FOR CARRYING WEIGHTS

KUKA SA OSIGURAČEM
SAFETY SLING HOOK

KLASA 8 / G80



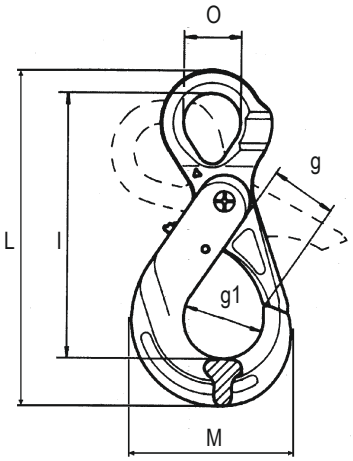


za lanac *for chain*	oznaka *code of use*	dimenzije *dimensions* mm					težina *weight*	nosivost *w.l.l.*
mm		B	g	g1	O	L	Kg	Kg
6	SOB 6-8	9	24	21	20	108	0,3	1120
7-8	SOB 7/8-8	11	30	26	25	133	0,4	2000
10	SOB 10-8	15	34	39	38	167	0,9	3150
13	SOB 13-8	19	39	54	43	213	1,7	5300
16	SOB 16-8	23	46	64	50	255	3,2	8000
20	SOB 20-8	24	50	80	62	305	5,8	12500
22	SOB 22-8	32	71	80	62	348	8,5	15000
26	SOB 26-8	35	81	82	64	394	13,0	21200
32	SOB 32-8	37	102	112	88	480	17,0	31500

SAMOOSIGURAVAJUĆA KUKA
SELF LOCKING HOOK

KLASA 8 / G80



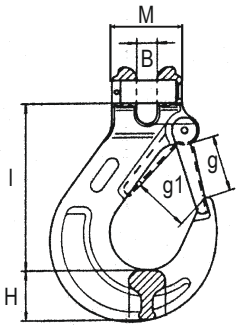


za lanac *for chain*	oznaka *code of use*	dimenzije *dimensions* mm						težina *weight*	nosivost *w.l.l.*
mm		g	O	l	g1	L	M	Kg	Kg
6	CLS 6-8	35	21,0	110,0	28,0	141	-	0,50	1120
7-8	CLS 7/8-8	40	25,0	136,0	35,0	175	-	0,88	2000
10	CLS 10-8	50	34,5	168,0	45,0	214	-	1,58	3150
13	CLS 13-8	60	40,0	207,0	52,5	268	-	3,00	5300
16	CLS 16-8	80	50,0	254,0	63,3	332	-	5,90	8000
18/20	CLS 18/20-8	80	64,5	290,0	86,0	360	-	7,00	12500
22	CLS 22-8	83	70,0	319,0	76,0	415	-	12,30	15000
26	CLS 26-8	106	80,0	362,0	96,0	472	-	20,00	21200
32	CLS 32-8	140	105,0	470,0	133,0	614	-	44,00	31500

LANČANA KUKA SA OSIGURAČEM
SLING HOOK WITH SAFETY LATCH

KLASA 8 / G80



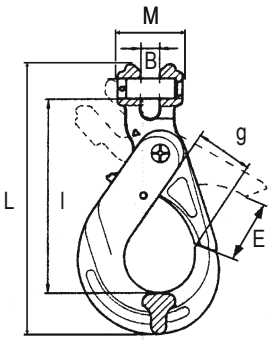


za lanac *for chain*	oznaka *code of use*	dimenzije *dimensions* mm						težina *weight*	nosivost *w.l.l.*
mm		g	g1	B	H	I	M	Kg	Kg
6	GHS 6/7-8	26	35	8,0	23,0	76,0	32,0	0,32	1120
7-8	GHS 7/8-8	29	37	9,5	32,5	85,5	37,0	0,48	2000
10	GHS 10-8	39	46	13,0	35,0	104,0	49,0	0,95	3150
13	GHS 13-8	46	56	16,5	42,5	128,0	56,5	1,80	5300
16	GHS 16-8	55	60	21,5	54,0	150,0	70,5	3,40	8000
20	GHS 18/20-8	61	79	24,0	58,0	180,0	77,0	6,00	12500
22	GHS 22-8	72	101	27,0	62,0	213,0	91,0	10,40	15000
26	GHS 26-8	85	115	30,0	75,0	250,0	117,0	14,50	21200

LANČANA SAMOOSIGURAVAJUĆA KUKA
SELF LOCKING HOOK

KLASA 8 / G80





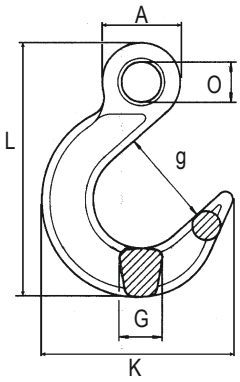
za lanac *for chain*	oznaka *code of use*	dimenzije *dimensions* mm						težina *weight*	nosivost *w.l.l.*
mm		g	B	I	M	E	L	Kg	Kg
6	CLG 6-8	28,0	8,0	96,0	32,0	35	131,0	0,44	1120
7-8	CLG 7/8-8	35,8	9,5	119,3	48,0	40	161,8	0,80	2000
10	CLG 10-8	45,0	12,5	142,0	60,0	50	195,0	1,38	3150
13	CLG 13-8	52,5	15,0	179,0	65,0	60	249,0	2,81	5300
16	CLG 16-8	63,3	18,5	224,8	70,0	65	310,0	6,00	8000
20	CLG 18/20-8	86,0	25,0	238,3	80,0	80	335,0	7,25	12500
22	CLG 22-8	76,0	30,0	277,0	90,0	83	392,0	12,80	15000
26	CLG 26-8	96,0	30,0	321,0	118,0	106	450,0	21,80	21200
32	CLG 32-8	135,0	35,0	416,0	150,0	140	589,6	49,60	31500

TERETNI LANCI I ELEMENTI ZA TERETNE LANCE
CHAINS FOR CARRYING WEIGHTS

KUKA ZA LIVNICE
FOUNDRY HOOK

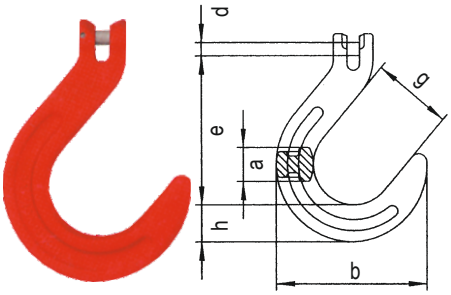
KLASA 8 / G80





za lanac *for chain*	oznaka *code of use*	dimenzije *dimensions* mm						težina *weight*	nosivost *w.l.l.*
mm		g	A	G	K	O	L	Kg	Kg
7-8	CWH 7/8-8	63,5	39,0	25,4	120	18,0	163	1,09	2000
10	CWH 10-8	76,0	50,8	32,6	146	22,0	200	2,04	3150
13	CWH 13-8	89,0	63,5	38,1	171	27,0	238	3,22	5300
16	CWH 16-8	102,0	76,0	46,0	198	32,0	278	5,53	8000
20	CWH 18/20-8	114,5	89,0	55,0	232	38,0	325	8,75	12500
22	CWH 22-8	127,5	102,0	57,0	256	45,0	361	11,93	15000
26	CWH 26-8	140,0	126,0	66,0	283	67,5	402	16,80	21000
32	CWH 32-8	153,5	151,5	80,0	327	81,5	461	26,60	31500

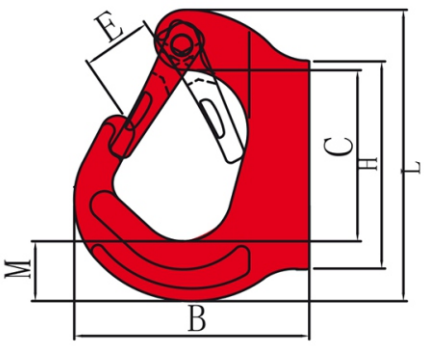
LANČANA KUKA ZA LIVNICE
SLING HOOK FOR FOUNDRY

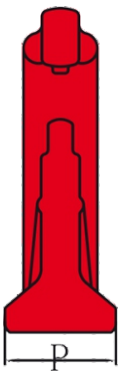


oznaka *code of use*	dimenzije *dimensions* mm						težina *weight*	nosivost *w.l.l.*
	e	h	a	g	d	b	Kg	Kg
7	64	11	25	29	24	131	1,00	1900
8	76	14	32	35	31	158	1,00	2500
10	89	17	38	40	39	191	1,78	4000
13	102	23	45	48	32	205	2,96	6700

KUKA ZA NAVARIVANJE
WELD-ON HOOK



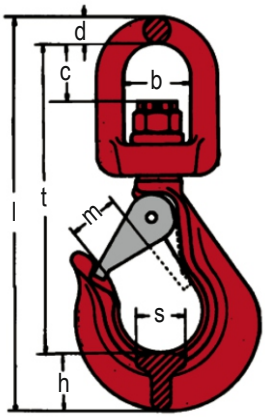




nosivost *w.l.l.*	B	C	E	H	M	P	L	masa *weight*
kg	mm	mm	mm	mm	mm	mm	mm	kg / kom
2000	92	67	30	81	23,3	34	114	0,83
3000	106	73,5	33,2	116	33,6	36	129	1,2
5000	133	94	35	159	44	43,5	171	2,46
8000	136,5	100	35	159	48	51	177	3,26
10000	169,5	140	50,54	194	54,7	53	223	5,17

OKRETNA KUKA
SWIVEL HOOKS

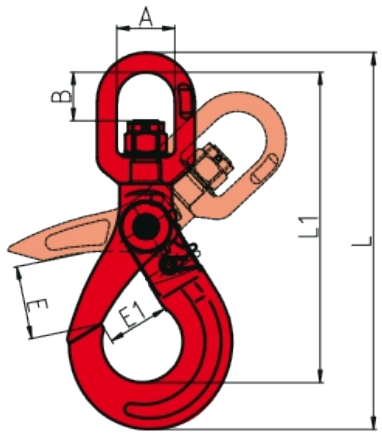
KLASA 8 / G80



lanac *chain* mm	oznaka *code of use*	dimenzije *dimensions* mm								težina *weight*	nosivost *w.l.l.*
		b	c	d	h	l	m	s	t	kg	
6	WHS 6-8	28	21	10	27	166	19	21	128	0,6	1120
7	WHS 7-8	35	30	14	29	217	28	25	171	1,2	1500
8	WHS 8-8	36	32	17	32	229	28	30	180	1,4	2000
10	WHS 10-8	38	30	18	32	230	33	31	190	2,5	3150
13	WHS 13-8	61	42	20	42	290	44	42	240	4,6	5300
16	WHS 16-8	62	53	22	45	350	47	48	290	5,5	8000

OKRETNA KUKA SA OSIGURAČEM
SWIVEL SAFETY HOOKS

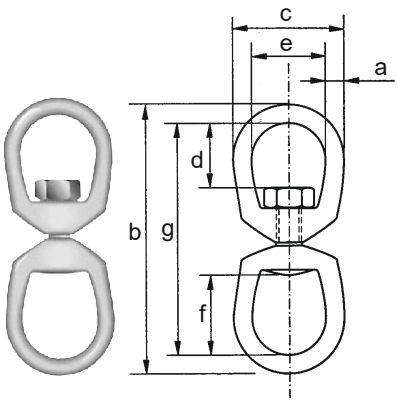
KLASA 8 / G80



lanac *chain* mm	oznaka *code of use*	dimenzije *dimensions* mm						težina *weight*	nosivost *w.l.l.*
		A	B	E	E1	L1	L	kg	
6-8	CLW 6-8	32,5	24,0	35,0	28,0	152,5	184,0	0,71	1.120
7/8-8	CLW 7/8-8	36,0	29,5	48,0	38,0	189,0	228,0	1,15	2.000
10-8	CLW 10-8	42,0	35,0	60,0	48,0	224,0	270,0	1,86	3.150
13-8	CLW 13-8	50,0	41,0	73,5	52,5	267,0	324,0	3,51	5.300
16-8	CLW 16-8	69,0	56,8	80,0	63,3	340,0	410,0	7,33	8.000
18/20-8	CLW 18/20-8	72,0	63,0	85,0	90,5	378,2	450,0	10,30	12.500
22-8	CLW 22-8	97,0	98,0	83,0	76,0	466,0	564,0	17,50	15.000
26-8	CLW 26-8	127,0	123,0	136,0	104,0	560,0	620,0	23,00	21.200
32-8	CLW 32-8	145,0	150,0	145,0	155,0	690,0	820,0	81,00	31.500

TERETNI LANCI I ELEMENTI ZA TERETNE LANCE
CHAINS FOR CARRYING WEIGHTS

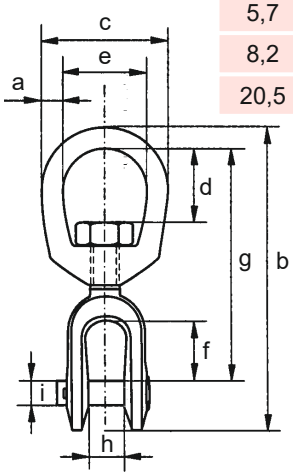
VRTULJAK *oko-oko*
SWIVELS eye-eye



nosivost *working load limit*	dimenzije *dimensions* mm							težina po komadu *weight per pce*
t	a	b	c	d	e	f	g	kg
0,39	6	87	32	17	19	27	75	0,1
0,57	8	106	41	21	25	32	90	0,18
1,02	10	130	51	24	32	38	110	0,32
1,6	13	164	64	33	38	51	138	0,6
2,4	16	199	76	40	44	60	167	1,13
3,3	19	221	89	44	51	67	183	1,82
4,5	22	257	102	52	57	78	213	2,83
5,7	25	295	114	59	64	89	245	4,06
8,2	32	355	143	68	80	94	291	7,43
20,5	38	511	178	106	102	106	435	20,8

VRTULJAK *vilica-oko*
SWIVELS jaw-eye



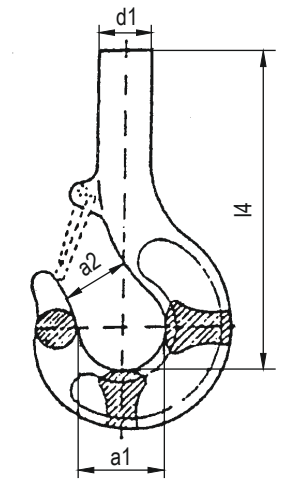


nosivost *working load limit*	dimenzije *dimensions* mm									težina po komadu *weight per pce*
t	a	b	c	d	e	f	g	h	i	kg
0,39	6	86	32	17	19	22	67	12	6	0,11
0,57	8	98	41	21	25	22	75	13	8	0,17
1,02	10	121	51	24	32	27	92	16	10	0,32
1,6	13	154	64	33	38	33	114	19	13	0,65
2,4	16	186	76	40	44	38	135	24	16	1,12
3,3	19	211	89	44	51	44	154	28	19	1,76
4,5	22	242	102	52	57	52	178	30	22	2,66
5,7	25	297	114	59	64	71	217	44	28	4,46
8,2	32	341	143	68	80	71	248	52	35	7,14
20,5	38	529	178	106	102	112	375	73	57	24,8

KRANSKE KUKA ZA DIZALICE SA OSIGURAČEM

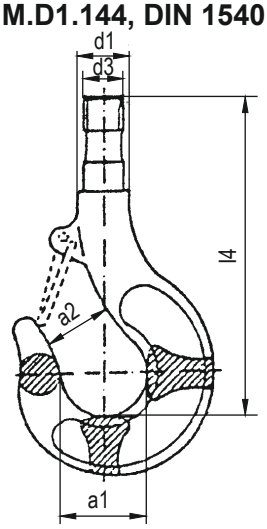
CRANE HOOK WITH SAFETY LATCH

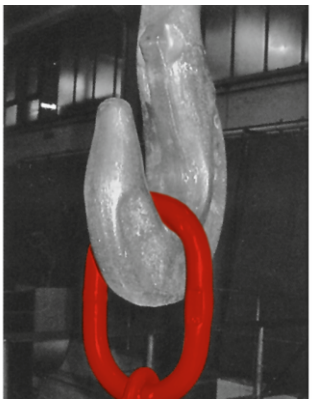
JUS M.D1.143, DIN 15400



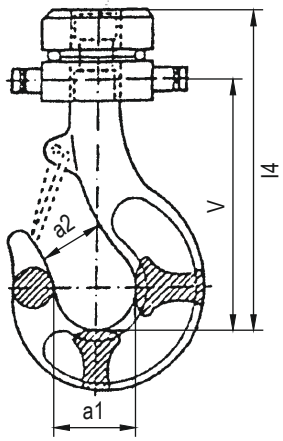


JUS M.D1.144, DIN 15401





JUS M.D1.149, DIN 15401





kuka broj *hook number*	nosivost za pogonski razred *w.l.l. operative class*				a1 mm	a2 mm	d1 mm	d3 mm	l4 mm	V ≈ mm	težina *weight* ≈ kg
	1	2	3	4							
0,25	320	250	200	-	34	27	20	M 16	135,5	-	0,6
0,50	630	500	400	-	40	32	24	M 20	152,5	-	1,1
1	1250	1000	800	-	48	38	30	M 24	183	-	2,3
2	2500	2000	1600	1250	56	45	36	M 30	221	-	4,5
3,2	4000	3200	2500	2000	63	50	42	M 36	250	170	6,3
5	6300	5000	4000	3200	71	56	48	M 42	281,5	190	8,8
6	8000	6300	5000	4000	80	63	53	M 45	314,5	210	12,3
8	10000	8000	6300	5000	90	71	60	Rd 50x6	370	240	20
10	12500	10000	8000	6300	100	80	67	Rd 56x6	404,5	265	28
12	16000	12500	10000	8000	112	90	75	Rd 64x8	446	280	40
16	20000	16000	12500	10000	125	100	85	Rd 72x8	505	315	55
20	25000	20000	16000	12500	140	112	95	Rd 80x10	576	370	77
25	32000	25000	20000	16000	160	125	106	Rd 90x10	645	415	112
32	40000	32000	25000	20000	180	140	118	R 100x12	716	460	160

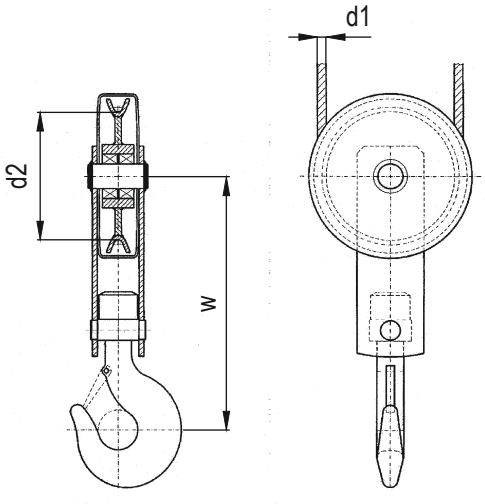
TERETNI LANCI I ELEMENTI ZA TERETNE LANCE

CHAINS FOR CARRYING WEIGHTS

TERETNI LANCI I ELEMENTI ZA TERETNE LANCE
CHAINS FOR CARRYING WEIGHTS

KUKA ZA KRANSKE DIZALICE jednoredna

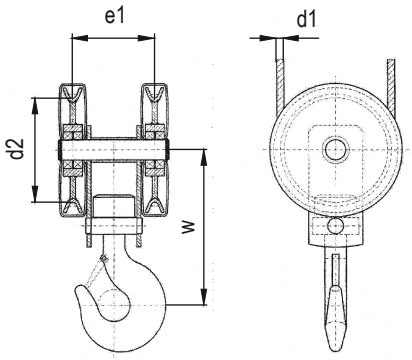
HOOK FOR CRANES single row



broj kuke *code of use*	nosivost tereta *load capacity* t	dimenzije *dimensions* mm			težina *weight*
		d1	d2	w	Kg
0,8	1,0	9	180	320	10
0,8	1,6	9	180	320	10
0,8	2,0	9	180	320	10
0,8	2,5	9	180	320	10
1,6	3,2	13	240	390	18
1,6	4,0	13	240	390	18
1,6	5,0	13	240	390	18
2,5	6,3	16	290	450	30
2,5	8,0	16	290	450	30
4	10,0	21	380	540	52
4	12,5	21	380	540	52
5	16,0	24	430	600	88
6	20,0	26	470	680	94
8	25,0	29	520	750	135

KUKA ZA KRANSKE DIZALICE dvoredna

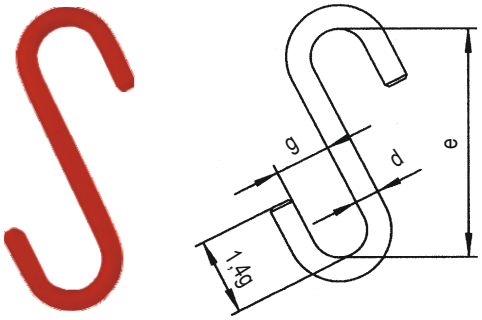
HOOK FOR CRANES two row



broj kuke *code of use*	nosivost tereta *load capacity* t	dimenzije *dimensions* mm				težina *weight*
		d1	d2	e1	w	Kg
1,6	3,2	9	180	135	280	29
1,6	4,0	9	180	135	280	29
1,6	5,0	9	180	135	280	29
2,5	6,3	13	240	165	335	40
2,5	8,0	13	240	165	335	40
4,0	10,0	13	240	185	350	62
4,0	12,5	16	290	200	380	62
5,0	16,0	16	290	210	405	80
6,0	20,0	21	380	245	510	118
8,0	25,0	21	380	270	535	165
10,0	32,0	24	430	300	580	195
12,0	40,0	26	470	355	655	255
16,0	50,0	29	520	380	750	360

S KUKA

S HOOK



broj kuke *code of use*	nosivost tereta *load capacity* kg	dimenzije *dimensions* mm			težina *weight*
		e	g	d	Kg
5	800	180	42	16	0,6
7-8	2,000	220	53	23	1,5
10	3,150	280	63	27	2,6
13	5,300	400	90	40	8,2
16	8,000	500	120	50	16
19	11,200	550	130	60	26
22*	15,000	750	175	80	64,5

Teretni lanci I elementi za teretne lance klase 10 / G100

Chains for Carrying Weights, Shackles, Hooks, Connecting Links

Stalna kontrola pri izboru materijala - mikrolegiranih čelika za izradu lanaca za dizanje i prenos tereta (i njihovih sastavnih elemenata), obezbeđuje sigurnost pri njihovoj upotrebi.

Sigurnosti pri radu i dužem trajanju lanaca možemo doprineti njihovom pravilnom upotrebom, redovnim pregledom i održavanjem.

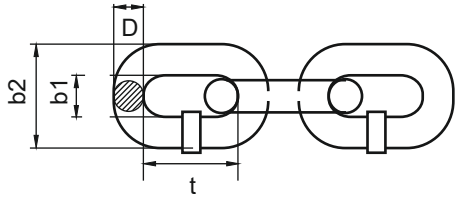
Velika mogućnost kombinacije lanaca i sastavnih delova, može zadovoljiti potrebe vrlo zahtevnih korisnika. Za sve lance i elemente, na osnovu testiranja, izdaje se potvrda o kvalitetu, odnosno odgovarajući atest.



LANAC ZA DIZANJE I PRENOS TERETA (TERETNI LANAC)

CHAINS FOR CARRYING WEIGHTS

EN 818-2 KLASA 10 / G100





lanac *chains*	korak *pitch*			dozvoljena nosivost *W.L.L.*	probno opterećenje *M.P.E.*	prekidna sila *B.F.*	težina *weight*
Ø mm	t mm	b1 min. mm	b2 max. mm	kg	kN	kN	kg/m
4	12	5,2	14,8	0,63	15,7	25,1	0,36
5	15	6,5	18,5	1,0	24,5	39,3	0,56
6	18	8,5	22,2	1,4	35,3	56,5	0,84
7	21	9,1	25,9	1,9	48,1	77	1,16
8	24	11,0	29,6	2,5	62,8	101	1,50
10	30	13,5	37,0	4,0	98,2	157	2,40
13	39	16,9	48,1	6,7	166	265	4,10
16	48	20,8	59,2	10,0	251	402	6,05
18	54	23,4	66,6	12,5	318	509	8,10
19	57	24,7	70,3	14,0	354	567	9,00
20	60	26,0	74,0	16,0	393	628	10,00
22	66	28,6	81,4	19,0	475	760	11,90
23	69	29,9	85,1	20,0	519	831	13,20
26	78	33,8	96,2	26,5	664	1060	15,70
32	96	41,6	118	40	1005	1610	24,30

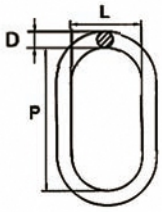
lanac *chain*	jednokraki lanci		dvokraki lanci		trokraki i četvorokraki lanci				
									
	1	0,8	1,4	1	2,1	1,5	1,6	1,4	1,7
Ø mm			0°<ß≤45°	45°<ß≤60°	0°<ß≤45°	45°<ß≤60°		0°<ß≤45°	0°<ß≤45°
	kg	kg	kg	kg	kg	kg	kg	kg	kg
6	1400	1120	2000	1400	3000	2120	2240	2000	2380
8	2500	2000	3550	2500	5300	3750	4000	3500	4250
10	4000	3150	5600	4000	8000	6000	6300	5600	6800
13	6700	5300	9500	6700	14000	10000	10600	9500	11390
16	10000	8000	14000	10000	21200	15000	16000	14000	17000
20	16000	12800	22400	16000	33600	24000	25600	22400	27200
22	19000	15000	26500	19000	40000	28000	30000	26500	32300
26	26500	21200	37100	26500	55650	39750	42400	37100	45050
32	40000	25200	56000	40000	85000	60000	63000	56000	68000

TERETNI LANCI I ELEMENTI ZA TERETNE LANCE
CHAINS FOR CARRYING WEIGHTS

OBESNA ALKA "A"
MASTERLINK OVALE "A"

KLASA 10 / G100



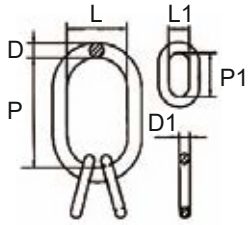


lanac chain		dimenzije *dimensions* mm			težina *weight*	nosivost *w.l.l.*
⊥ Ø mm ∧		D	P	L	kg	
7	6	13	110	60	0,34	2.300
8	7	16	110	60	0,53	3.500
10	8	18	135	75	0,86	5.000
13	10	23	160	90	1,60	7.600
16	13	27	180	100	2,46	10.000
18	16	33	200	110	4,14	14.000
22	20	36	260	140	6,22	25.100
26	22	45	340	180	12,82	30.800
32	26	50	350	190	16,22	40.000

OBESNI SKLOP "AB"
SUB-ASSEMBLY "AB"

KLASA 10 / G100



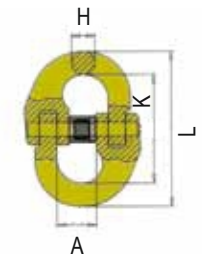


lanac *chain*	dimenzije *dimensions*						težina *weight*	nosivost *w.l.l.*
mm	D	P	L	D1	P1	L1	kg	
6-7	19	135	75	13,0	54	25	1,30	3000
8	23	160	90	16,5	70	34	2,33	5300
10	27	180	100	19,0	85	40	3,70	8000
13	33	200	110	23,0	115	50	6,50	14000
16	36	260	140	27,0	140	65	10,10	21200
20	50	350	190	33,0	180	90	22,65	33600
22	50	350	190	36,0	170	100	25,19	39900

SPOJNICA LANCA
CONNECTING LINK

KLASA 10 / G100





lanac *chain*	dimenzije *dimensions* mm				težina *weight*	nosivost *w.l.l.*
mm	H	A	K	L	kg	
6	7,6	14,0	44,5	60,0	0,10	1400
8	10,0	18,5	61,5	84,5	0,22	2500
10	12,6	23,0	72,0	97,2	0,45	4000
13	16,8	27,5	89,0	127,0	1,15	6700
16	21,0	33,5	103,0	145,0	1,75	10000
20	24,0	42,5	116,0	175,0	2,70	16000
22	27,0	48,0	135,0	193,0	4,02	19000
26	32,0	61,0	164,0	228,0	5,10	26500
32	40,0	80,0	194,0	274,0	8,50	39300

TERETNI LANCI I ELEMENTI ZA TERETNE LANCE
CHAINS FOR CARRYING WEIGHTS

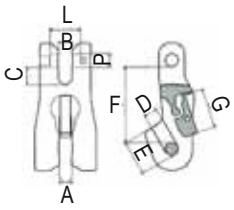


TERETNI LANCI I ELEMENTI ZA TERETNE LANCE
CHAINS FOR CARRYING WEIGHTS

SKRAĆIVAČ LANCA
SHORTENING CLUTCH

KLASA 10 / G100



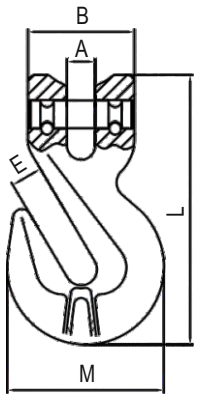


lanac *chain*	dimenzije *dimensions*								težina *weight*	nosivost *w.l.l.*
Ø mm	A	B	C	D	E	F	G	PxL	kg	kg
	mm									
6	8,0	8,0	10,0	8,0	19,0	45,0	23	7,5X17,5	0,21	1400
7	9,5	9,5	10,0	9,5	23,5	56,0	29	9X22,5	0,48	1900
8	9,5	9,5	10,0	9,5	23,5	56,0	29	10X22,5	0,48	2500
10	12,0	12,0	14,5	12,0	32,5	78,0	36	13X31,5	1,12	4000
13	15,5	15,5	18,0	15,5	44,0	90,0	35	16X42,0	1,83	6700
16	19,0	21,0	21,0	19,0	50,0	106,0	38	21X51,5	2,83	10000
22	25,5	25,5	39,0	26,0	57,5	195,5	35	39X60,0	8,00	19000

SKRAĆIVAČ LANCA
CLEVIS GRAB HOOK

KLASA 10 / G100



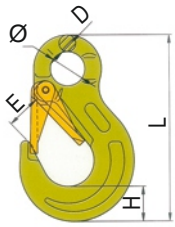


lanac *chain*	dimenzije *dimensions* mm					težina *weight*	nosivost *w.l.l.*
mm	A	B	E	M	L	kg	
6	7,5	32,0	8,0	43,5	75,0	0,22	1400
8	9,5	36,0	10,8	53,0	91,5	0,34	2500
10	12,0	46,0	13,5	72,0	126,0	0,82	4000
13	15,0	59,0	16,5	96,0	163,5	1,75	6700
16	17,5	70,0	19,2	112,5	183,5	2,88	10000
20	24,0	85,0	24,0	134,0	224,0	4,84	16000
22	27,0	100,0	27,0	160,5	262,0	8,30	19000

KUKA SA OKOM I OSIGURAČEM
SAFETY SLING HOOK

KLASA 10 / G100



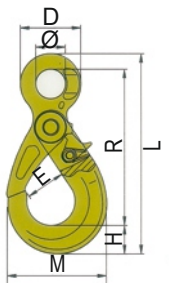


lanac *chain*	dimenzije *dimensions* mm					težina *weight*	nosivost *w.l.l.*
mm	E	D	H	L	Ø	kg	
6	18,5	10,0	21,0	111,0	20,5	0,32	1400
8	25,0	11,0	27,5	137,5	25,0	0,60	2500
10	28,0	16,0	33,0	171,5	34,0	1,20	4000
13	38,0	19,0	43,5	219,0	43,0	2,20	6700
16	44,0	24,5	55,0	260,0	50,0	3,50	10000
20	52,0	27,0	56,0	298,0	55,0	7,15	16000
22	66,0	29,0	62,0	330,0	60,0	11,50	19000
26	73,0	35,0	75,0	367,0	70,0	14,00	26500
32	87,0	39,0	89,0	427,0	66,0	17,50	39300

SAMOOSIGURAVAJUĆA KUKA SA OKOM
SELF LOCKING HOOK

KLASA 10 / G100





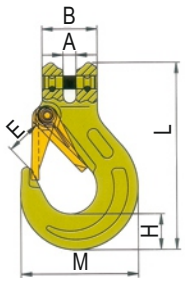
lanac *chain*	dimenzije *dimensions* mm							težina *weight*	nosivost *w.l.l.*
mm	Ø	D	E	H	R	M	L	kg	
6	21,0	43,0	28,0	20,0	110,0	70,0	141,0	0,5	1400
8	27,0	51,0	35,5	26,0	137,0	90,0	175,0	0,9	2500
10	34,5	64,5	45,0	30,0	169,0	108,0	212,5	1,5	4000
13	40,0	80,0	53,5	40,5	209,0	138,5	270,0	2,7	6700
16	50,0	104,0	62,0	50,5	254,0	170,5	331,0	5,7	10000
20	60,0	120,0	76,5	62,0	277,0	192,5	369,0	7,9	16000
22	70,0	134,0	80,0	66,0	319,5	205,0	417,0	11,2	19000

TERETNI LANCI I ELEMENTI ZA TERETNE LANCE
CHAINS FOR CARRYING WEIGHTS

LANČANA KUKA SA OSIGURAČEM
SLING HOOK WITH SAFETY LATCH

KLASA 10 / G100



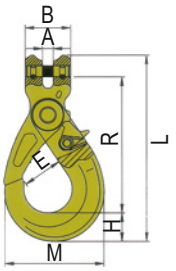


lanac *chain*	dimenzije *dimensions* mm						težina *weight*	nosivost *w.l.l.*
mm	A	B	E	H	M	L	kg	
6	7,5	32	18,5	21,0	68,5	190,0	0,33	1400
8	9,5	37	25,0	27,5	88,0	134,0	0,70	2500
10	12,0	48	28,0	33,5	105,5	161,5	1,30	4000
13	15,0	59	38,0	42,0	134,0	203,0	2,30	6700
16	17,5	70	44,0	50,0	160,5	248,0	3,60	10000
20	25,0	85	60,0	60,0	190,5	297,0	7,30	16000
22	27,0	100	77,0	70,0	214,5	326,0	12,10	19000

LANČANA SAMOOSIGURAVAJUĆA KUKA
SELF LOCKING HOOK

KLASA 10 / G100



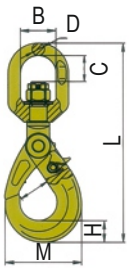


lanac *chain*	dimenzije *dimensions* mm							težina *weight*	nosivost *w.l.l.*
mm	A	B	E	H	R	M	L	kg	
6	7,5	32	28,0	20,0	96,0	70,0	131,0	0,5	1400
8	9,5	36	35,5	26,0	123,0	90,0	166,0	0,9	2500
10	12,0	46	45,0	30,0	144,0	109,0	196,5	1,6	4000
13	15,0	59	53,5	40,5	182,0	138,5	251,0	2,9	6700
16	17,5	70	62,0	50,5	217,0	170,5	303,0	5,8	10000
20	25,0	85	76,5	62,0	235,0	192,5	337,5	8,6	16000
22	25,5	98	80,0	66,0	276,5	205,0	391,0	12,1	19000

SAMOOSIGURAVAJUĆA OKRETNA KUKA
SAFETY SWIVEL HOOKS

KLASA 10 / G100





lanac *chain*	dimenzije *dimensions* mm							težina *weight*	nosivost *w.l.l.*
mm	B	C	D	E	H	M	L	kg	
6	32,5	23	11,5	28,0	20,0	70,0	184	0,6	1400
8	36,0	28	13,0	35,5	26,0	90,0	229	1,1	2500
10	42,0	35	15,5	45,0	30,0	109,0	269	2,0	4000
13	50,0	40	17,0	53,5	40,5	138,5	330	4,0	6700
16	61,0	56	21,5	62,0	50,5	170,5	413	6,8	10000
20	72,0	62	26,0	76,5	62,0	192,5	463	12,5	16000
22	97,0	94	33,0	80,0	66,0	205,0	572	17,1	19000



Sigurnosne hvataljke i magneti

Safety Clamps and Magnets



VERTIKALNA HVATALJKA CS
VERTICAL CLAMP CS

Posebno konstruisane sigurnostne hvataljke služe za vertikalni prenos limova u radionicama čeličnih konstrukcija, brodogradilištima i skladištima. Ove hvataljke mogu korisno poslužiti i za prenos raznih profila, za dizanje čeličnih konstrukcija kod međusobnog spajanja. Sigurnosne hvataljke za dizanje i prijenos naročito su pogodne za prenos dužih limova i to u slučajevima gde su sa dve hvataljke zavešane na noseću gredu, treba preneti lim. Pre isporuke, svaka hvataljka ispituje se u skladu sa pravilnikom o higijensko-tehničkim zaštitnim merama pri radu sa dizalicama i izdaje se atest.
Prednosti ovih hvataljki su:
1. trenutno prihvatanje, a i time je omogućeno brzo dizanje;
2. izbegavanje svakog navarivanja pomoćnih nosivnih nastavaka potrebnih za dizanje, kao i upotreba neprikladnih vijčanih stega;
3. da prihvataju ploču u vertikalnom položaju obzirom na to što imaju sigurnosno predstezanje.
   Isto tako se ne otpuštaju pre nego što im se sigurnosni uređaj ne otpusti.

The specially designed safety clamps, used for vertical plate lifting in steel construction workshops, shipyards and warehouses. These clamps can also be usefully used for transporting various profiles, for lifting steel constructions, for gripping plates and parts of constructions which are to be assembled. For lifting and transporting longer plates, we recommended the use of two clamps suspended from a lifting beam. Before delivery, each clamp is to be tested in accordance with the rules and Regulations of Safety at Work at the crane operations and a corresponding certificate is to be issued.
Advantages of these safety clamps are:
1. Instantaneous gripping which enables quick lifting;
2. Avoidance of any welding on by means of transportable parts which are needed for lifting as well as the usage of unfitting screw fixtures;
3. Vertical plate gripping because they have safety pretightening.



tip *type*	nosivost *capacity* kg	deblji. lima *plate thickness* mm	mm							masa *mass* kg
			A	B	C	D	E	F	G	
CS -1.0	1000	0-20	55	45	255	125	38	45	15	3,5
CS - 2.0	2000	0-25	77	65	340	180	55	54	16	6,5
CS - 3.0	3000	0-35	77	65	340	180	55	54	16	7,5
CS - 4.0	4000	0-50	85	70	440	230	70	78	20	14,5
CS - 6.0	6000	0-55	110	75	480	280	115	80	20	20,0
CS - 9.0	9000	0-60	110	75	550	270	95	86	20	24,0
CS - 12.0	12000	0-75	125	86	610	390	145	94	44	42,0
CS - 15.0	15000	0-75	125	86	610	395	145	100	40	54,0



VERTIKALNA HVATALJKA PU / CU
VERTICAL CLAMP PU / CU



tip *type*	nosivost *capacity* kg	deblji. lima *plate thickness* mm	mm							masa *mass* kg
			A	B	C	D	E	F	G	
PU - 1.0	1000	0-20	63	48	295	138	51	51	12	4,8
PU - 2.0	2000	0-25	76	70	370	164	56	52	16	6,5
PU - 3.0	3000	0-30	85	75	418	193	59	78	20	14,8
PU - 5.0	5000	0-50	90	80	450	240	65	88	22	22,5
CU - 6.0	6000	0-55	110	80	510	280	115	80	35	23,0
CU - 9.0	9000	0-60	110	80	580	280	115	90	35	40,0
CU - 12.0	12000	0-75	125	80	630	395	145	100	35	58,0
CU - 15.0	15000	0-75	125	80	630	395	145	100	40	62,0



SIGURNOSNE HVATALJKE
SAFETY CLAMPS



SIGURNOSNE HVATALJKE
SAFETY CLAMPS

HORIZONTALNA HVATALJKA PH / CH

HORIZONTAL CLAMP PH / CH

Hvataljka PH / CH služi za prenos limova u horizontalnom položaju. Upotrebljavaju se uvek tamo gde nije moguć vertikalni prenos. Takođe se upotrebljavaju za uvođenje limova u mašine (prese, savijačice i sl.). za trasport više limova odjednom, čeličnih konstrukcija i sl.
Kod prenošenja, upotrebljavaju se uvek dve hvataljke, odnosno par, dos se za prenošenje dugačkih limova upotrebljavaju dva para hvataljki vezanih za noseću gredu. Hvataljke se vežu za kuke dizalice pomoću čeličnog užeta ili lanaca, a ovi pomoću škopaca ili karika za uže, odnosno lanac.

The safety plate lifting clamps, type PH / CH serve for transport of plates in the horizontal position. They are always used in cases where the vertical transport in not possible. They are also used for installing plates into machines (shears, presses, rolling machines, etc.) as well as for the transport of several plates at once, steel constructions, etc. During transport, there are always used two clamps respectively one pair. Long plates are transported by means of two pairs of clamps linked to the lifting beam. The clamps are linked to the crane hook by means of steel rope or chain, and these ones by means of shackle or link to the rope, respectively chain.

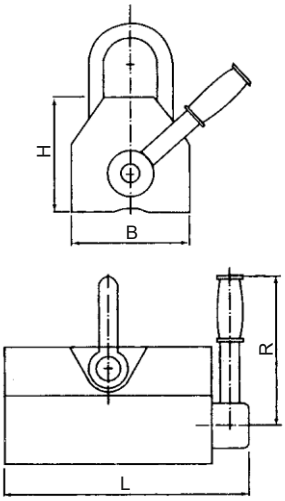


tip *type*	nosivost *capacity* kg	deblji. lima *plate thickness* mm	mm				masa *mass* kg
			A	B	C	F	
PH - 1.5	1500	0-27	175	125	50	25	4,8
PH - 3.0	3000	0-32	204	157	65	30	7,8
PH - 5.0	5000	0-52	310	231	90	40	26,8
CH - 6.0	6000	0-60	284	222	90	31	35,0
CH - 6.0L	6000	0-100	375	222	90	31	42,0
CH - 8.0	8000	0-60	327	225	120	31	40,0
CH - 8.0L	8000	0-100	417	225	120	31	47,0
CH - 10.0	10000	0-60	332	225	120	31	44,0
CH - 10.0L	10000	0-100	450	225	120	45	56,0

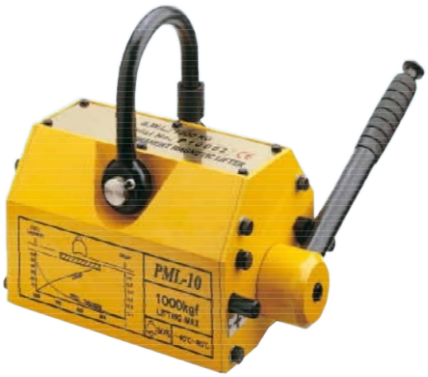


MAGNETI

MAGNETS



nosivost *capacity* kg	mm				F. Rotura N	težina *weight* kg
	L	B	H	R		
100	92	62	67	126	350	3
300	162	92	91	150	1050	10
600	232	122	117	196	2100	24
1000	258	176	163	284	3500	50
2000	378	234	212	426	7000	125
3000	458	286	264	521	10500	220
6000	600	430	355	180	21000	420



Škopci

Shackles

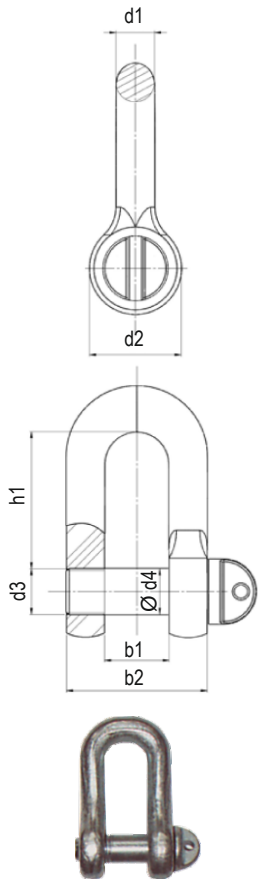
Škopci se koriste za pričvršćavanje, podizanje, učvršćavanje i pomeranje tereta. Bilo oblika ‘A’ ili oblika ‘C’, škopci nude optimalno rešenje za svaki zahtev.



ŠKOPCI
SHACKLES

ŠKOPAC
SHACKLE

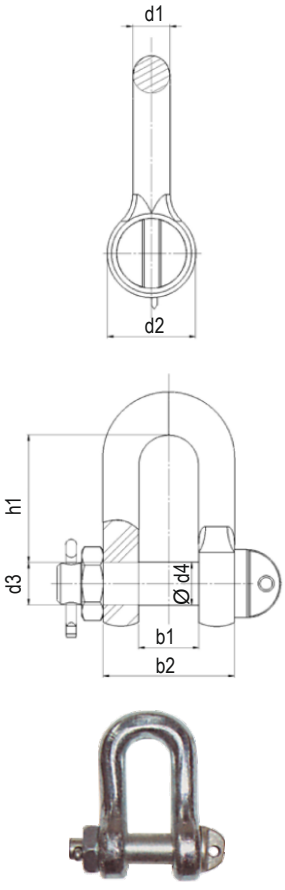
DIN 82101
oblik / shape A



oznaka *sign*	nosivost *carrying capacity* t	b1	b2	d1	d2	d3	d4	h1	masa na 100 kom *weight per 100 pcs* kg
0,10	0,10	7	15	4	10	M5	5	15,5	1,3
0,16	0,16	8	18	5	12	M6	6	18,0	2,4
0,25	0,25	11	25	7	16	M8	8	24,0	4,5
0,40	0,40	14	30	8	20	M10	10	30,0	9,0
0,60	0,60	17	37	10	24	M12	12	36,0	17,0
1,00	1,00	21	47	13	32	M16	16	49,0	36,0
1,60	1,60	27	61	17	40	M20	20	61,0	75,0
2,00	2,00	30	68	19	44	M22	22	67,0	100,0
2,50	2,50	33	75	21	48	M24	24	73,0	132,0
3,00	3,00	38	86	24	54	M27	27	83,5	180,0
4,00	4,00	42	96	27	60	M30	30	91,0	240,0
5,00	5,00	47	107	30	72	M36	36	111,0	390,0
6,00	6,00	53	121	34	78	M39	39	119,5	530,0
8,00	8,00	60	136	38	90	M45	45	139,5	790,0
10,00	10,00	66	150	42	96	M48	48	147,0	1000,0
12,00	12,00	73	167	47	104	M52	52	158,0	1300,0
16,00	16,00	81	185	52	120	M60	60	185,0	1850,0
20,00	20,00	90	206	58	136	M68	68	211,0	2750,0
25,00	25,00	100	226	63	144	M72	72	221,0	3550,0

ŠKOPAC
SHACKLE

DIN 82101
oblik / shape C

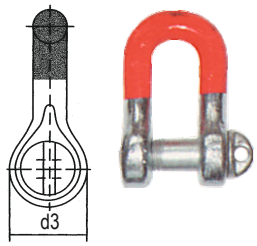


oznaka *sign*	nosivost *carrying capacity* t	b1	b2	d1	d2	d3	d4	h1	masa na 100 kom *weight per 100 pcs* kg
0,40	0,40	14	30	8	20	M10	10	30,0	8,2
0,60	0,60	17	37	10	24	M12	12	36,0	17,3
1,00	1,00	21	47	13	32	M16	16	49,0	36,0
1,60	1,60	27	61	17	40	M20	20	61,0	75,0
2,00	2,00	30	68	19	44	M22	22	67,0	103,0
2,50	2,50	33	75	21	48	M24	24	73,0	143,0
3,00	3,00	38	86	24	54	M27	27	83,5	211,0
4,00	4,00	42	96	27	60	M30	30	91,0	289,0
5,00	5,00	47	107	30	72	M36	36	111,0	390,0
6,00	6,00	53	121	34	78	M39	39	119,5	502,0
8,00	8,00	60	136	38	90	M45	45	139,5	675,0
10,00	10,00	66	150	42	96	M48	48	147,0	976,0
12,00	12,00	73	167	47	104	M52	52	158,0	1310,0
16,00	16,00	81	185	52	120	M60	60	185,0	1770,0
20,00	20,00	90	206	58	136	M68	68	211,0	2380,0
25,00	25,00	100	226	63	144	M72	72	221,0	3270,0
32,00	32,00	110	250	70	160	M80	80	246,0	4950,0
40,00	40,00	125	283	79	180	M90	90	276,0	6900,0
50,00	50,00	140	316	88	200	M100	100	307,0	9460,0
63,00	63,00	155	347	96	220	M110	110	339,0	12500,0

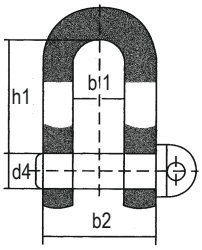
VISOKOOTPORNE MALOTNE ŠKOPCI - VOSK

SCHACKLE quality 8, 4 time safety

oblik / shape A 2,5 - 63



oblik / shape C 3,2 - 63



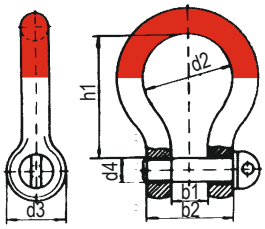


oznaka *sign*	nosivost *carrying capacity* kg	b1 mm	b2 mm	d3 mm	navoj / *pin* d4 mm	h1 mm	masa *weight* kg
2,5	2500	17	37	24	M 12	36	0,17
3,2	3200	21	47	32	M 16	49	0,40
5	5000	27	61	40	M 20	61	0,81
6,3	6300	30	68	44	M 22	67	1,08
8	8000	33	75	48	M 24	73	1,42
10	10000	38	86	54	M 27	83,5	2,00
12,5	12500	42	96	60	M 30	91	2,70
15	15000	47	107	72	M 36	111	4,40
20	20000	53	121	78	M 39	119	5,90
25	25000	60	136	90	M 45	139	8,50
32	32000	66	150	96	M 48	147	10,80
40	40000	73	167	104	M 52	158	14,00
50	50000	81	185	120	M 60	185	19,30
63	63000	90	206	136	M 68	211	28,20

VISOKOOTPORNI TRBUŠASTI ŠKOPAC VOTSK

MOORING SHACKLE quality 8, 4 time safety

oblik / shape A



nosivost *carrying capacity* kg	b1 mm	b2 mm	d2 mm	d3 mm	navoj/*pin* d4 mm	h1 mm	masa *weight* kg
1500	17	37	40	24	M 12	53	0,2
2500	21	47	50	32	M 16	66	0,4
3200	27	61	63	40	M 20	84	0,8
5000	30	68	71	44	M 22	93	1,2
8000	38	86	89	54	M 27	116	2,4
10000	42	96	99	63	M 30	130	3,3
12500	47	107	110	72	M 36	146	4,3
15000	53	121	123	78	M 39	165	7
20000	60	136	136	90	M 45	182	8
32000	73	167	169	104	M 52	229	15
40000	81	185	187	120	M 60	249	24,7
50000	90	206	206	136	M 68	270	29,6

ŠKOPCI
SHACKLES



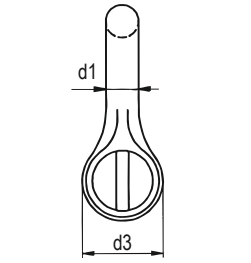
ŠKOPCI
SHACKLES

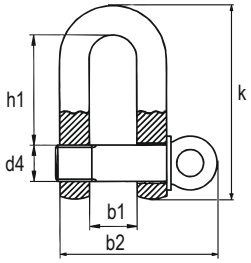
ŠKOPAC koeficijent sigurnosti 6

SHACKLE

EN 10204-3.1B

oblik / shape A







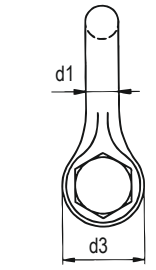
nosivost *w.l.l.* t	b1 mm	b2 mm	d1 mm	d4 mm	h1 mm	d3 mm	k mm	masa *weight* kg
0,50	11,90	35,1	6,35	7,85	22,4	15,5	40,4	0,05
0,75	13,50	42,2	7,85	9,65	25,2	19,1	48,5	0,08
1,00	16,80	51,5	9,65	11,20	31,8	23,1	58,5	0,13
1,50	19,10	60,5	11,20	12,70	36,6	26,9	67,5	0,20
2,00	20,60	68,5	12,70	16,00	41,4	30,2	77,0	0,27
3,25	26,90	85,0	16,00	19,10	51,0	38,1	95,5	0,57
4,75	31,80	101,0	19,10	22,40	60,5	46,0	115,0	1,20
6,50	36,60	114,0	22,40	25,40	71,5	53,0	135,0	1,43
8,50	42,90	129,0	25,40	28,70	81,0	60,5	151,0	2,15
9,50	46,00	142,0	28,70	31,80	91,0	68,5	172,0	3,06
12,00	51,50	156,0	31,80	35,10	100,0	76,0	191,0	4,11
13,50	57,00	174,0	35,10	38,10	111,0	84,0	210,0	5,28
17,00	60,50	187,0	38,10	41,10	122,0	92,0	230,0	7,23
25,00	73,00	231,0	44,50	51,00	146,0	106,0	279,0	12,10
35,00	82,50	263,0	51,00	57,00	172,0	122,0	312,0	19,20
55,00	105,00	330,0	66,50	70,00	302,0	145,0	377,0	32,50

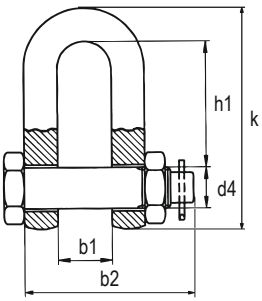
ŠKOPAC koeficijent sigurnosti 6

SHACKLE

EN 10204-3.1B

oblik / shape C







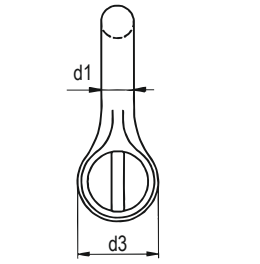
nosivost *w.l.l.* t	b1 mm	b2 mm	d1 mm	d4 mm	h1 mm	d3 mm	k mm	masa *weight* kg
0,50	11,90	39,6	6,35	7,85	19,1	15,5	40,4	0,05
0,75	13,50	48,2	7,85	9,65	25,4	19,1	48,5	0,09
1,00	16,80	55,0	9,65	11,20	31,0	23,1	58,5	0,14
1,50	19,10	63,5	11,20	12,70	36,1	26,9	67,5	0,17
2,00	20,60	71,0	12,70	16,00	41,4	30,2	77,0	0,33
3,25	26,90	89,5	16,00	19,10	51,0	38,1	95,5	0,62
4,75	31,80	103,0	19,10	22,40	60,5	46,0	115,0	1,07
6,50	36,60	120,0	22,40	25,40	71,5	53,0	135,0	1,64
8,50	42,90	135,0	25,40	28,70	81,0	60,5	151,0	2,28
9,50	46,00	150,0	29,50	31,80	91,0	68,5	172,0	3,36
12,00	51,50	165,0	32,80	35,10	100,0	76,0	191,0	4,31
13,50	57,00	183,0	36,10	38,10	111,0	84,0	210,0	6,14
17,00	60,50	196,0	39,10	41,10	122,0	92,0	230,0	7,80
25,00	73,00	230,0	46,70	51,00	146,0	106,0	279,0	12,60
35,00	82,50	264,0	53,00	57,00	172,0	122,0	312,0	20,40
55,00	105,00	344,0	69,00	70,00	203,0	145,0	377,0	38,90

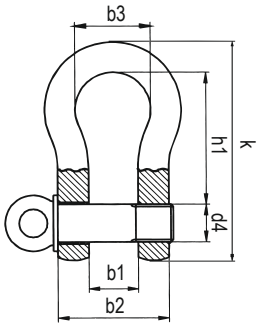
ŠKOPAC koeficijent sigurnosti 6

SHACKLE

EN 10204-3.1B

oblik / shape A







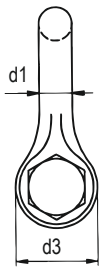
nosivost *w.l.l.* t	b1 mm	b2 mm	d1 mm	d4 mm	h1 mm	d3 mm	k mm	masa *weight* kg
0,50	11,90	24,6	6,35	7,85	28,7	15,5	46,7	0,06
0,75	13,50	29,5	7,85	9,65	31,0	19,1	53,0	0,10
1,00	16,80	35,8	9,65	11,20	36,6	23,1	63,0	0,15
1,50	19,10	41,1	11,20	12,70	42,9	26,9	74,0	0,22
2,00	20,60	46,0	12,70	16,00	47,8	30,2	83,5	0,34
3,25	26,90	58,5	16,00	19,10	60,5	38,1	106,0	0,67
4,75	31,80	70,0	19,10	22,40	71,5	46,0	126,0	1,14
6,50	36,60	81,0	22,40	25,40	84,0	53,0	148,0	1,74
8,50	42,90	92,5	25,40	28,70	95,5	60,5	167,0	2,52
9,50	46,00	103,0	28,70	31,80	108,0	68,5	190,0	3,45
12,00	51,50	115,0	31,80	35,10	119,0	76,0	210,0	4,90
13,50	57,00	127,0	35,10	38,10	133,0	84,0	233,0	6,24
17,00	60,50	137,0	38,10	41,40	146,0	92,0	254,0	8,39
25,00	73,00	162,0	44,50	51,00	178,0	106,0	313,0	14,20
35,00	82,50	184,0	51,00	57,00	197,0	122,0	348,0	21,20
55,00	105,00	238,0	66,50	70,00	267,0	145,0	453,0	38,60

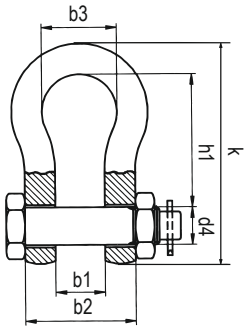
ŠKOPAC koeficijent sigurnosti 6

SHACKLE

EN 10204-3.1B

oblik / shape C





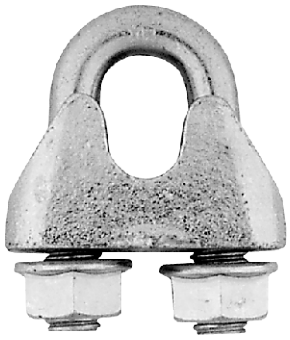


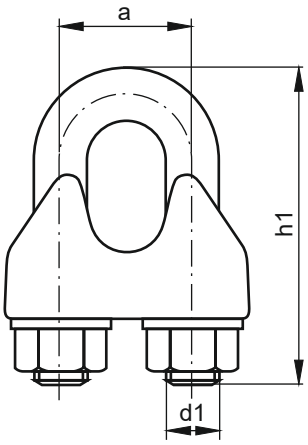
nosivost *w.l.l.* t	b1 mm	b2 mm	d1 mm	d4 mm	h1 mm	d3 mm	k mm	masa *weight* kg
0,33	9,65	15,2	4,85	6,35	22,4	14,2	37,3	0,03
0,50	11,90	19,8	6,35	7,85	28,7	15,5	46,7	0,05
0,75	13,50	21,3	7,85	9,65	31,0	19,1	53,0	0,10
1,00	16,80	26,2	9,65	11,20	36,6	23,1	63,0	0,15
1,50	19,10	29,5	11,20	12,70	42,9	26,9	74,0	0,22
2,00	20,60	33,3	12,70	16,00	47,8	30,2	83,5	0,36
3,25	26,90	42,9	16,00	19,10	60,5	38,1	106,0	0,52
4,75	31,80	51,0	19,10	22,40	71,5	46,0	126,0	1,23
6,50	36,60	58,0	22,40	25,40	84,0	53,0	148,0	1,79
8,50	42,90	68,5	25,40	28,70	95,5	60,5	167,0	2,28
9,50	46,00	74,0	28,70	31,80	108,0	68,5	190,0	3,75
12,00	51,50	82,5	31,80	35,10	119,0	76,0	210,0	5,31
13,50	57,00	92,0	35,10	38,10	133,0	84,0	233,0	7,18
17,00	60,50	98,5	38,10	41,40	146,0	92,0	254,0	8,62
25,00	73,00	127,0	44,50	51,00	178,0	106,0	313,0	15,40
35,00	82,50	146,0	51,00	57,00	197,0	122,0	348,0	23,70
55,00	105,00	184,0	66,50	70,00	267,0	145,0	453,0	44,60
85,00	127,00	200,0	76,00	82,50	330,0	165,0	546,0	70,00
120,00	133,00	229,0	92,00	95,50	372,0	203,0	626,0	120,00
150,00	140,00	254,0	104,00	108,00	368,0	229,0	653,0	153,00



STEGA ZA ČELIČNO UŽE
SAFETY WIRE ROPE CLIPS

DIN 1142
EN 13411-5





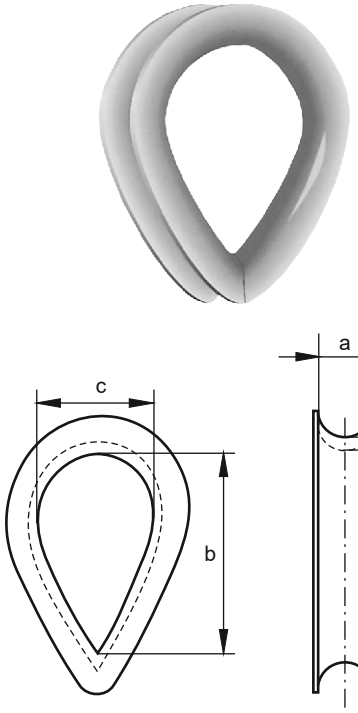
prečnik užeta *rope diametar*	dimenzije / *dimensions* mm			težina za 100 kom. *weight per 100 pcs*
mm	d1	h1	a	kg
5	M 5	25	12	2
6,5	M 6	32	14	4
8	M 8	41	18	8,2
10	M 8	46	20	9,2
12	M 10	56	24	21,5
13	M 12	64	27	27,5
14	M 12	66	28	39,5
16	M 14	76	32	43
19	M 14	83	36	49
22	M 16	96	40	68
26	M 20	111	46	117
30	M 20	127	54	140
34	M 22	141	60	213
40	M 24	159	68	268



UMETAK ZA ČELIČNO UŽE oblik C

THIMBLES C

DIN 3090

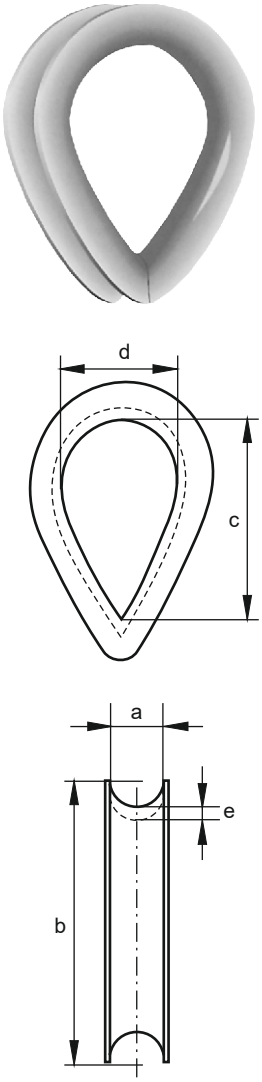


prečnik užeta *rope diameter*	dimenzije *dimensions* mm				težina po komadu *weight per piece*
mm	a	b	c	d	kg
11	12	59	27,5	6,5	0,024
12	13	64	30	7	0,025
14	15	75	35	8	0,035
16	18	86	40	9,5	0,065
18	20	96	45	11	1,00
20	22	107	50	12	1,30
22	24	118	55	13	1,80
24	26	128	60	14,5	2,30
26	28	139	65	15,5	2,60
28	31	150	70	17	3,60
32	35	171	80	19	5,20
36	40	192	90	21,5	5,70
40	44	215	100	24	10
44	48	235	110	26,5	12
48	53	257	120	29	20

UMETAK ZA ČELIČNO UŽE oblik B

THIMBLES B

DIN 6899



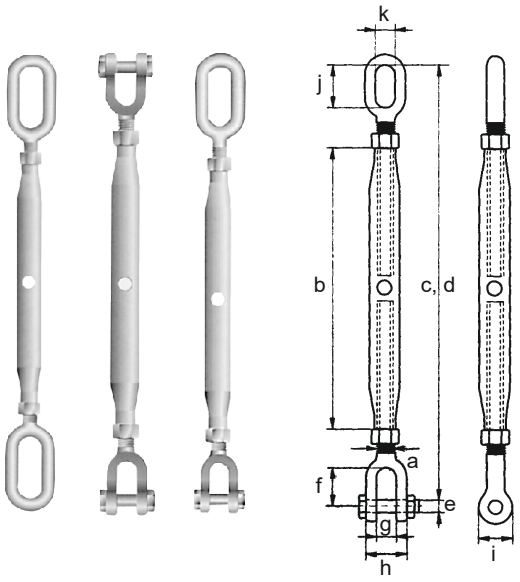
prečnik užeta *rope diameter*	dimenzije *dimensions* mm					težina po komadu *weight per piece*
mm	a	b	c	d	e	kg
5	6	38	25	16	2,4	0,016
6	7	44	28	18	2,4	0,019
7	8	51	32	20	2,8	0,03
9	10	57	38	24	3,1	0,047
11	12	64	45	28	3,3	0,068
13	14	76	51	32	3,7	0,10
15	16	83	58	36	3,8	0,14
16	17	89	61	38	4,7	0,18
18	20	102	72	45	5,7	0,29
20	22	114	80	50	5,7	0,32
22	24	127	90	56	6,5	0,47
24	26	140	99	62	6,8	0,59
26	28	152	112	70	8	0,80
28	30	165	120	75	8	1,10
30	32	178	128	80	8	1,23
32	34	203	152	95	8,5	1,56
34	36	216	160	100	8,5	1,76
36	38	229	176	110	8,5	1,92
38	40	241	184	115	10,5	2,92
40	42	254	192	120	10,5	3,20
42	45	305	240	150	10,5	3,64



NATEZNI VIJAK
CLOSED BODY RIGGING SCREW

DIN 82004

navoj *diameter thread*	dužina tela *body length*	zatvorena dužina *length closed pos.*	otvorena dužina *length open pos.*	vijak *diametar pin*	visina viljuške *length inside*	otvor viljuške *opening jaw*	širina viljuške *width jaw*	otvor vijka *diameter jaw eye*	visina oka *lenght eye inside*	širina oka *width eye inside*	nosivost *w.l.l.*	težina po komadu *weight per piece*
a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	j mm	k mm	t	kg
6	100	175	248	M 5	19	7	20	13	11	11	0,2	0,16
8	108	189	273	M 6	25	9	24	14	12	12	0,32	0,27
10	125	216	306	M 8	26	10,5	28	19	13	13	0,5	0,45
12	195	323	478	M10	32	13	34	22	30	1	0,7	0,85
16	230	348	569	M 12	39	18	42	28	40	20	1,2	1,57
20	270	455	665	M 16	46	20	51	33	50	24	1,5	2,67
22	295	493	723	M 20	55	25	55	38	50	24	2,2	3,68
24	325	452	802	M 22	63	30	70	46	56	28	3,2	5,3
33	370	673	963	M 30	85	38	82	60	70	35	4,8	12
39	400	718	1017	M 33	86	45	85	76	80	40	6	14,2
45	400	760	1050	M 39	105	50	100	86	90	45	8,5	20,8
48	400	820	1110	M 45	120	58	118	92	10	45	11	24

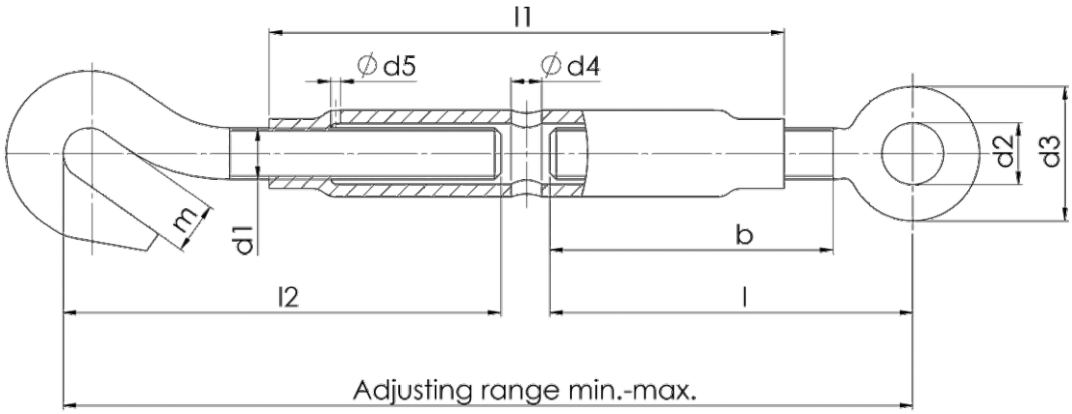


NATEZNI VIJAK
CLOSED BODY RIGGING SCREW

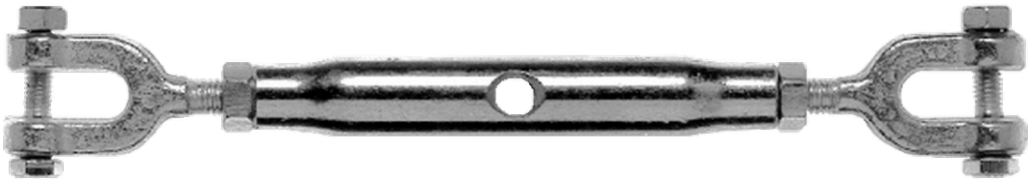
DIN 1478

b	d1	d2	d3	d4	d5	l	l1	l2	m	podešavanje opsega *adjusting range* min. - max.	napetost *tension path*	težina po 100 kom. *weight per 100 pcs.*	komada u pakovanju *units per bag*
mm												kg	
55	M6	9	20	6	4	70	110	77	8	147 - 242	95	11,6	10
57	M8	10	22	8	4	74	110	85	10	159 - 249	90	19,0	10
68	M10	14	31	8	4	90	125	106	12	196 - 297	101	31,0	10
70	M12	16	35	10	4	94	125	117	15	211-306	95	42,0	10
88	M16	22	47	10	4	127	170	144	19	271 - 401	130	89,0	10
105	M20	24	52	12	4	142	200	170	20	312 - 464	152	158,0	1







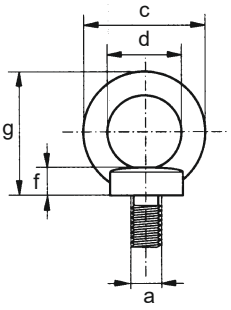


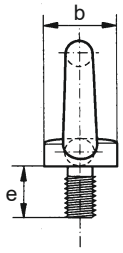


OKASTI VIJAK
EYE BOLTS

DIN 580





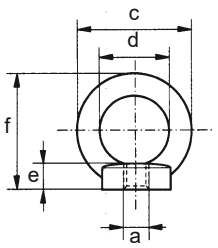


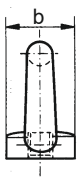
nosivost *working load limit*	dimenzije *dimensions* mm							težina po komadu *weight per piece*
t	a	b	c	d	e	f	g	kg
0,07	M 6	20	36	20	13	6	36	0,03
0,14	M 8	20	36	20	13	6	36	0,06
0,23	M 10	25	45	25	17	8	45	0,100
0,34	M 12	30	54	30	20,5	10	53	0,180
0,49	M 14	35	63	35	27	12	60	0,275
0,70	M 16	35	63	35	27	12	62	0,280
0,85	M 18	40	72	40	30	14	71	0,400
1,20	M 20	40	72	40	30	14	71	0,425
1,40	M 22	45	81	45	35	14	80	0,670
1,80	M 24	50	90	50	36	18	90	0,835
2,10	M 27	50	90	50	36	18	90	1,2
3,20	M 30	65	108	60	45	22	109	1,7
3,20	M 33	65	108	60	45	22	110	2,15
4,60	M 36	75	126	70	54	26	128	2,65
4,60	M 39	75	126	70	54	26	130	3,35
6,30	M 42	85	144	80	63	30	147	4,00
6,30	M 45	85	144	80	63	30	150	5,20
8,60	M 48	100	166	90	68	35	168	6,30

OKASTI VIJAK
EYE BOLTS

DIN 582







nosivost *working load limit*	dimenzije *dimensions* mm						težina po komadu *weight per piece*
t	a	b	c	d	e	f	kg
0,07	M 6	20	36	20	8,5	36	0,04
0,14	M 8	20	36	20	8,5	36	0,05
0,23	M 10	25	45	25	10	45	0,09
0,34	M 12	30	54	30	11	53	0,16
0,49	M 14	35	63	35	13	60	0,22
0,70	M 16	35	63	35	13	62	0,25
1,20	M 20	40	72	40	16	71	0,35
1,40	M 22	45	81	45	18	80	0,60
1,80	M 24	50	90	50	20	90	0,70
2,10	M 27	50	90	50	20	90	1,00
3,20	M 30	65	108	60	25	109	1,30
3,20	M 33	65	108	60	25	110	1,70
4,60	M 36	75	126	70	30	128	2,00
4,60	M 39	75	126	70	30	130	2,60
6,30	M 42	85	144	80	35	147	3,10
6,30	M 45	85	144	80	35	150	4,10
8,6	M 48	100	166	90	40	168	5,00



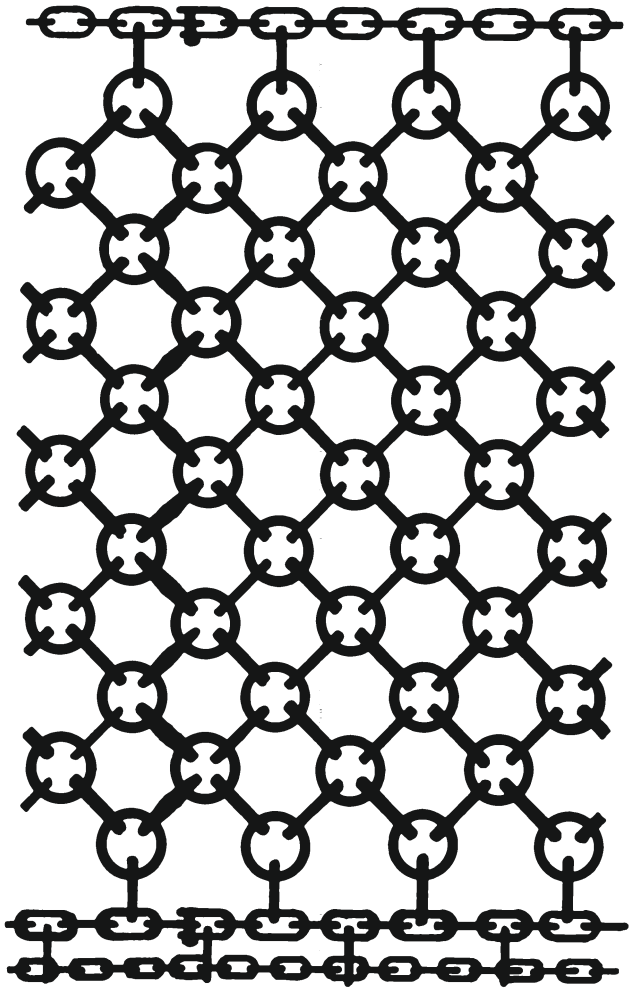
Zaštitni i traktorski lanci za gume

Protective and tractor tire chains



ZAŠTITNI I TRAKTORSKI LANCI ZA GUME
PROTECTIVE AND TRACTOR TIRE CHAINS

LANAC GRANIT
CHAIN GRANIT

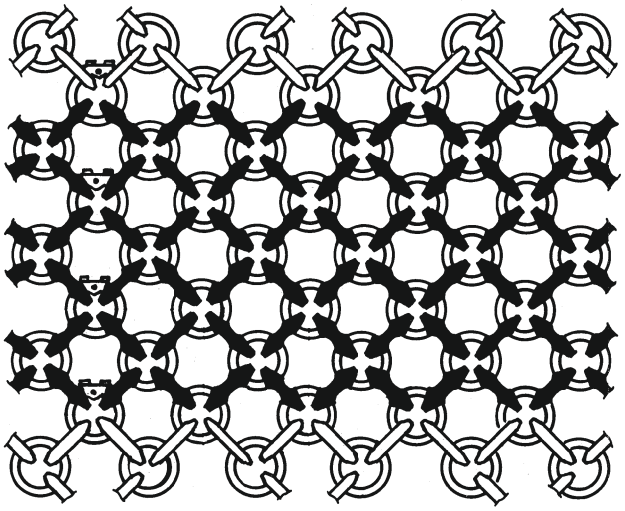


debljina lanca *size of the connecting link*	snaga mašina *engine power*	dimenzija gume *tire size*
Ø 9	up to 50 KW	10,00 - 20
Ø 11	30 - 80 KW	14,00 - 24
Ø 14	50 - 180 KW	20,5 - 25
Ø 16	80 - 250 KW	23,5 - 25





LANAC GX
CHAIN GX

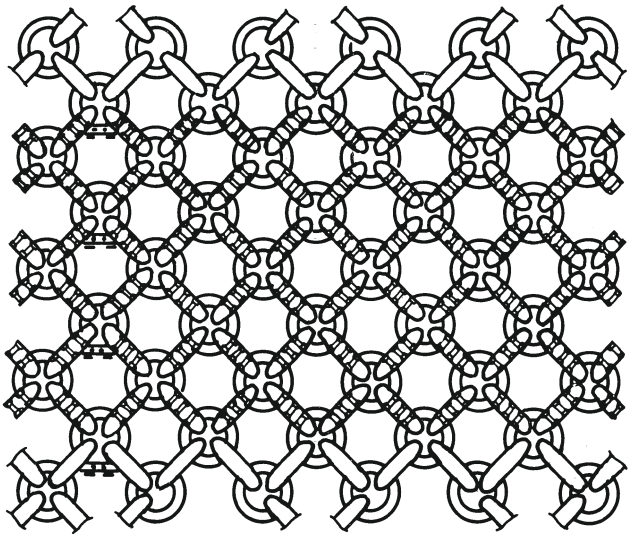


debljina lanca *size of ring*	snaga mašina *engine power*	dimenzija gume *tire size*	A	B	C
Ø 10	up to 100 KW	up to 14,00 - 24	60	30	22
Ø 13	50 - 150 KW	up to 26,5 - 25	74	38	28
Ø 16	80 - 150 KW	up to 35/65 - 33	87	48	34





LANAC GN
CHAIN GN



debljina lanca *size of ring*	snaga mašina *engine power*	dimenzija gume *tire size*	A	B	C
Ø 13	50 - 150 KW	up to 26,5 - 25	75	45	24
Ø 16	80 - 250 KW	up to 35/65 - 33	88	56	29
Ø 18	180 -350 KW	up to 45/65 - 45	96	63	32
Ø 20	more than 250 KW	up to 50/65 - 51L5	100	67	35
Ø 23	more then 250 KW		114	75	40





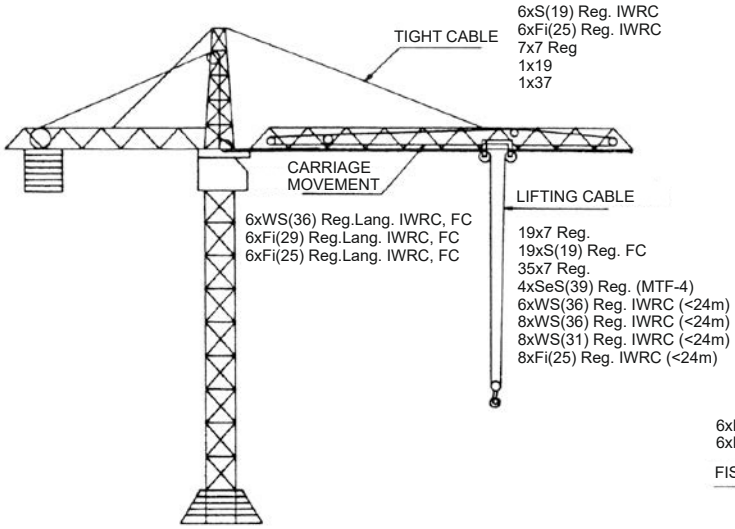
ZAŠTITNI I TRAKTORSKI LANCI ZA GUME
PROTECTIVE AND TRACTOR TIRE CHAINS

Čelična užad

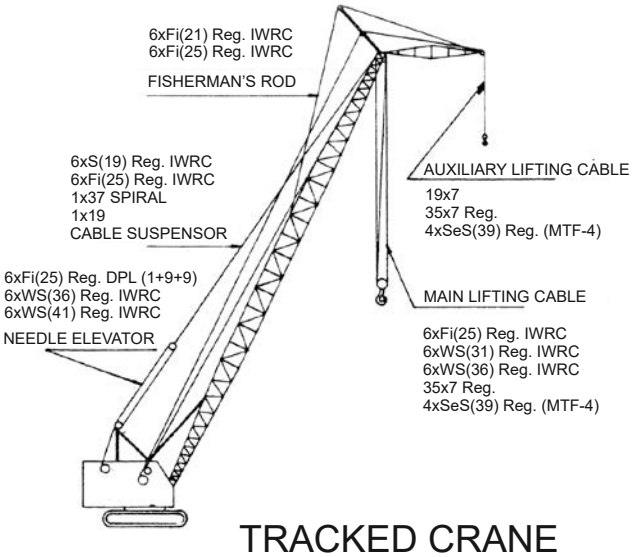
Steel Ropes

Ove žice mogu biti spiralno namotane u jenom ili više slojeva, uglavnom oko centralne žice, formirajući spiralne kablove ili žice koje formiraju višestruke kablove.

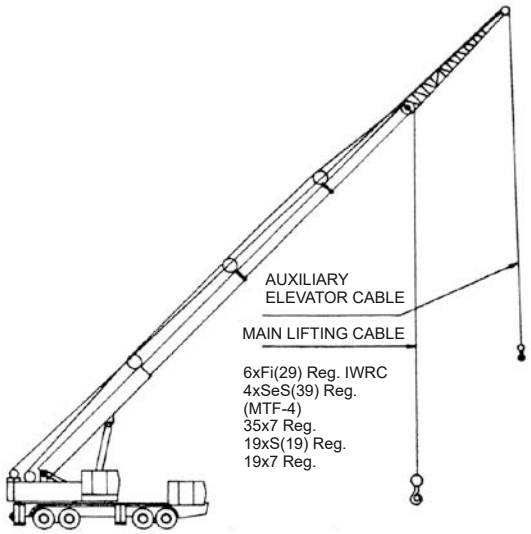




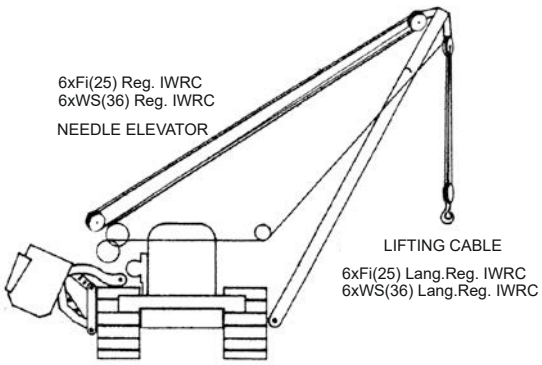
TOWER CRANE



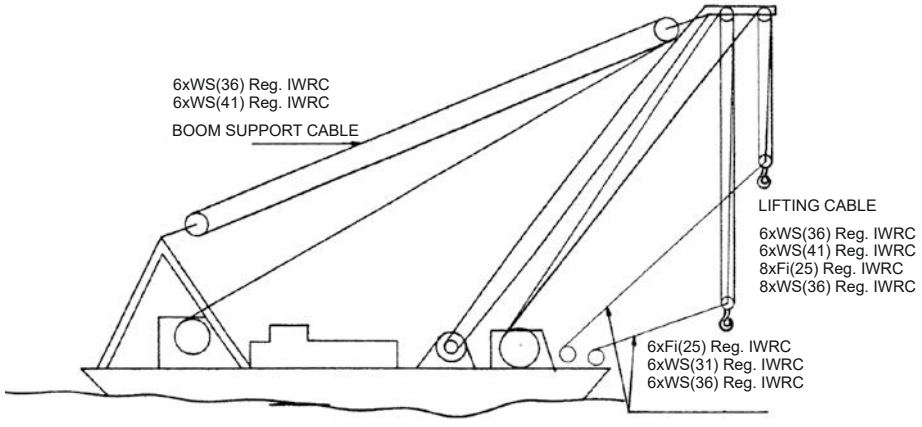
TRACKED CRANE



MOBILE CRANE



TROLLEY JIB CRANE

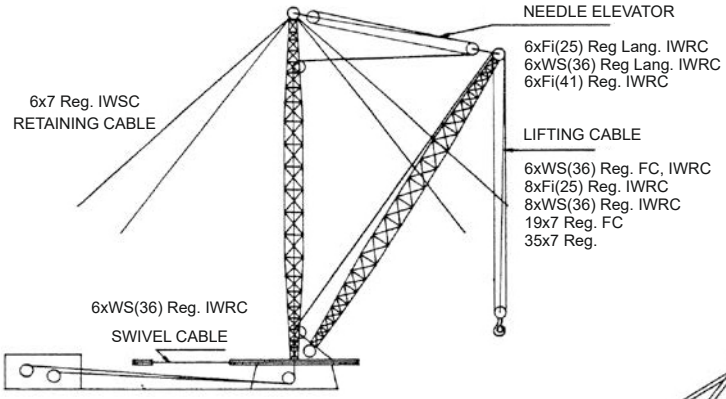


FLOATING CRANE

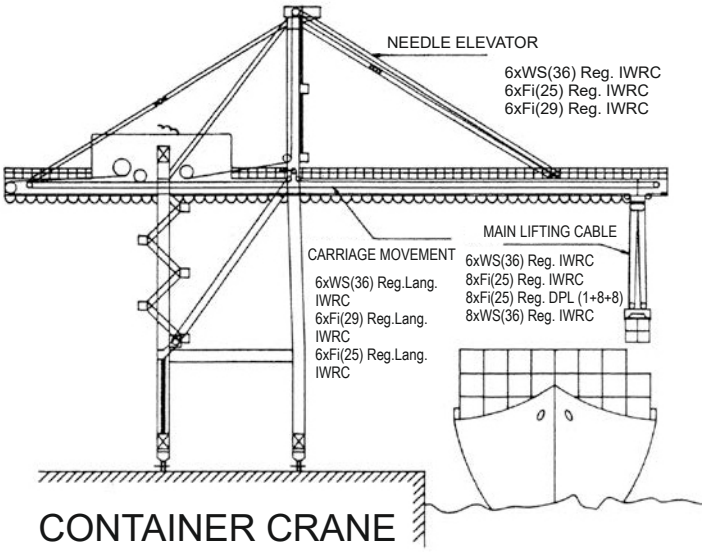
ČELIČNA UŽAD
STEEL ROPES



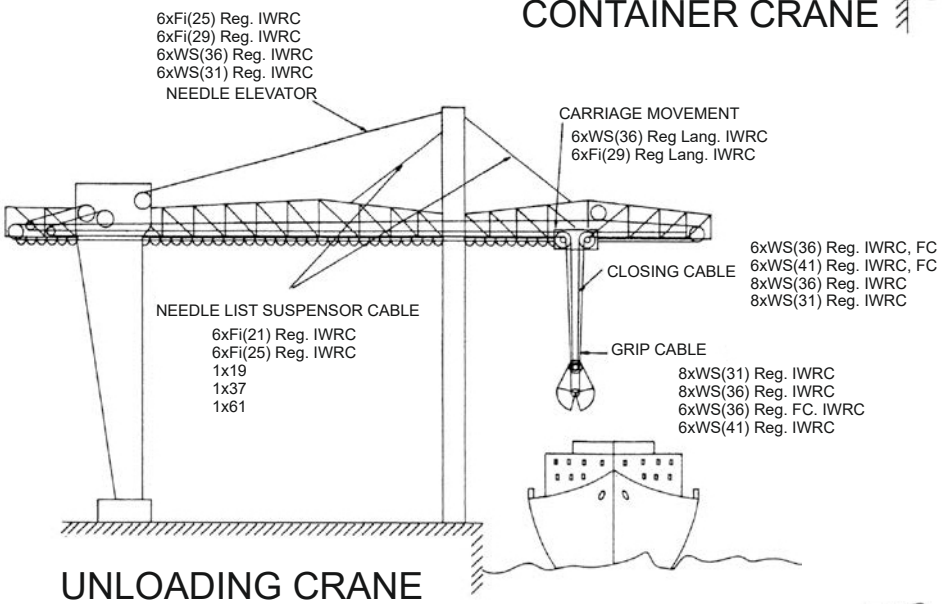
ČELIČNA UŽAD ZA KRANOVE / *STEEL ROPES FOR CRANES*



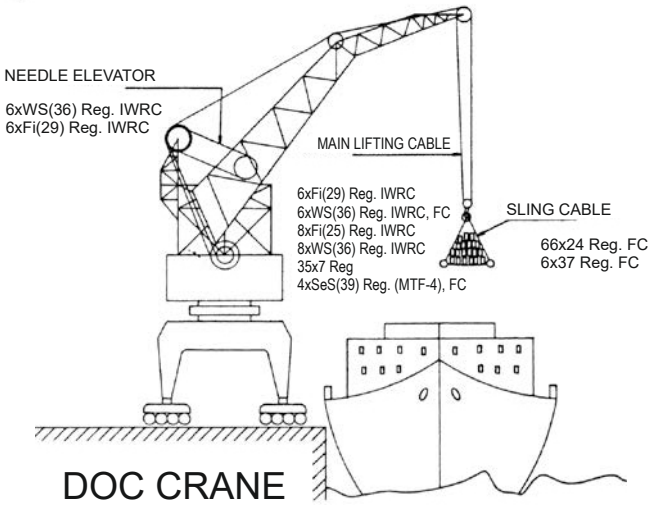
FIXED CRANE



CONTAINER CRANE



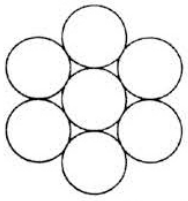
UNLOADING CRANE



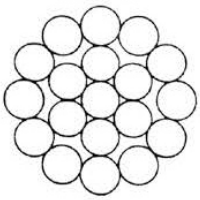
DOC CRANE



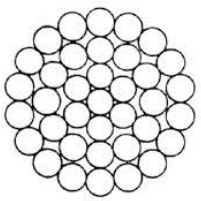
1X7



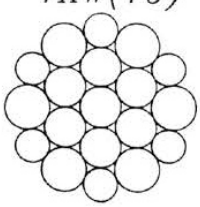
1X19



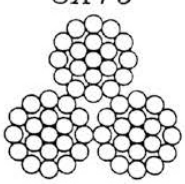
1X37



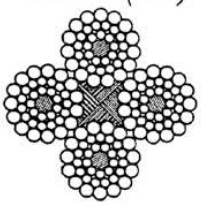
1XW(19)



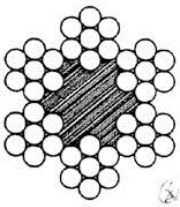
3X19



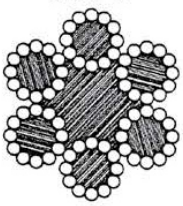
4XSeS(39)



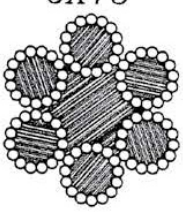
6X7



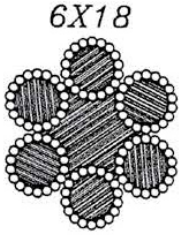
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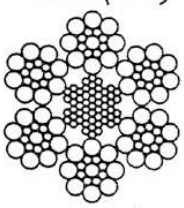
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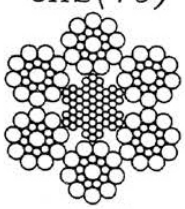
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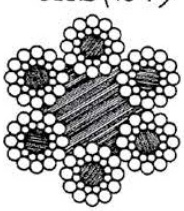
6XS(17)



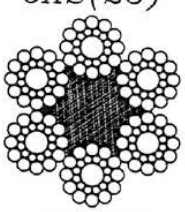
6XS(19)



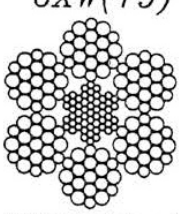
6XS(24)



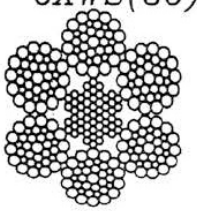
6XS(25)



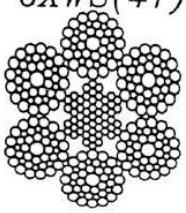
6XW(19)



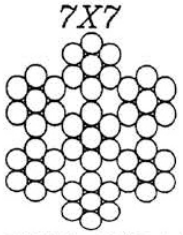
6XWS(36)



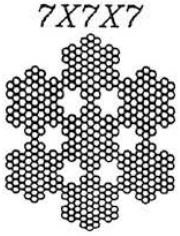
6XWS(41)



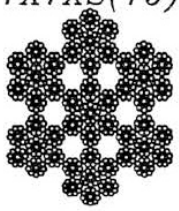
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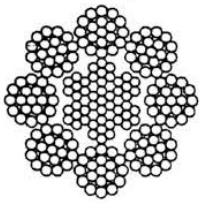
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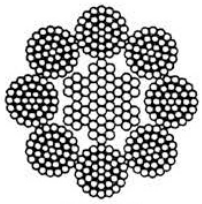
7X7XS(19)



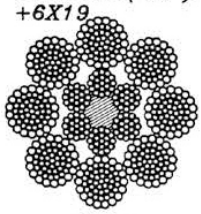
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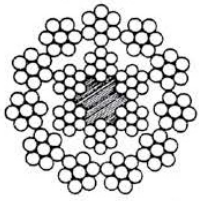
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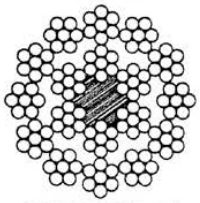
8XSeS(61)
+6X19



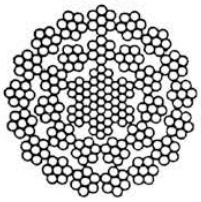
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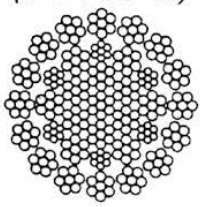
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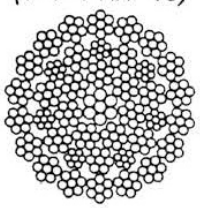
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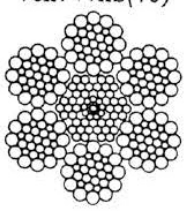
35X7
(1–6–6+W6–16)



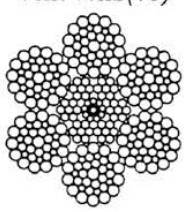
40X7
(1–7–7+W7–18)



6XWS(31)
+6X7+1XS(19)



6XWS(36)
+6X7+1XS(19)



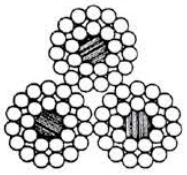


KONSTRUKCIJE ČELIČNIH UŽADI / *STEEL ROPES CONSTRUCTION*

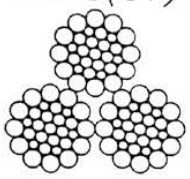
ČELIČNA UŽAD
STEEL ROPES



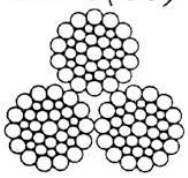
3X24



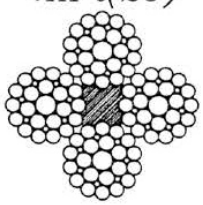
3XWS(31)



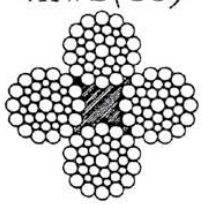
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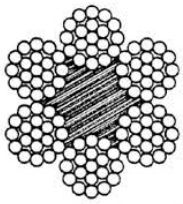
4XFi(29)



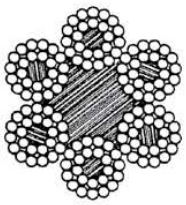
4XWS(36)



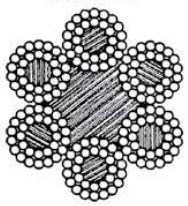
6X19



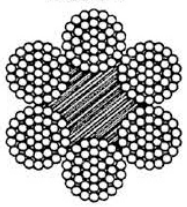
6X24



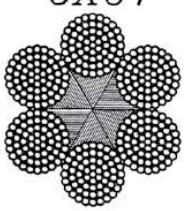
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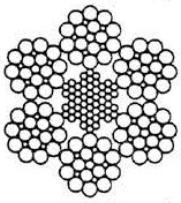
6X37



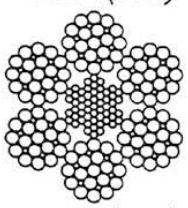
6X61



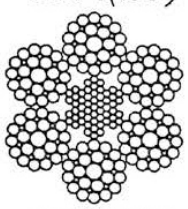
6XFi(21)



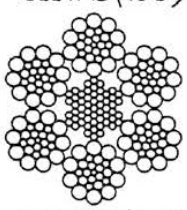
6XFi(25)



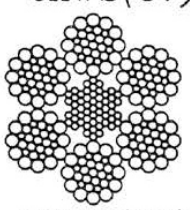
6XFi(29)



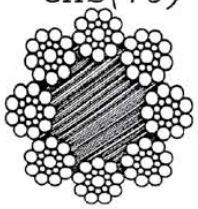
6XWS(26)



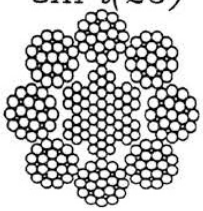
6XWS(31)



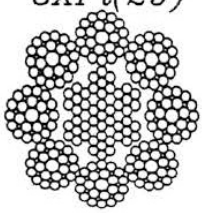
8XS(19)



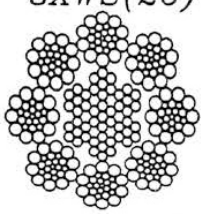
8XFi(25)



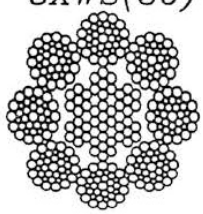
8XFi(29)



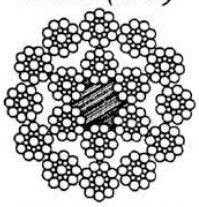
8XWS(26)



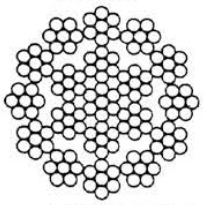
8XWS(36)



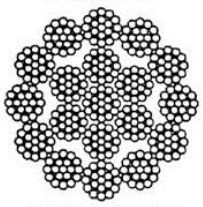
18XS(19)



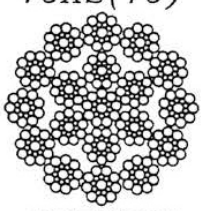
19X7



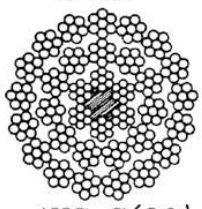
19X19



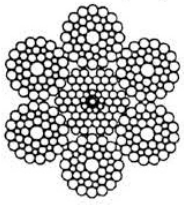
19XS(19)



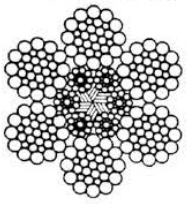
34X7



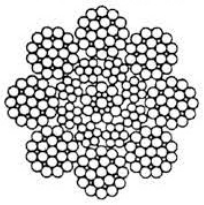
6XWS(41)
+6X7+1XS(19)



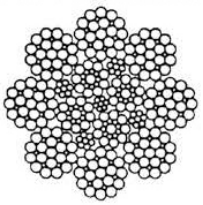
6XWS(31)
+6XS(19)



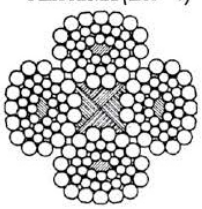
8XFi(25)
+8X7+1XS(19)



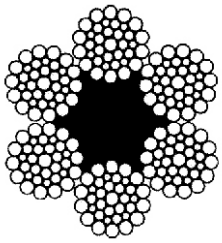
8XFi(25)
+4X7+4XS(19)+1X7



4XSeS(39)
FLATTENED(MTF-4)



ČELIČNO UŽE 6 x 36WS + VJ / *STEEL ROPE 6 x 36WS + VJ*

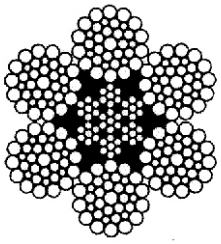


Ø	masa na 100 m *weight per 100 m*	prekidna sila *breaking load*	prekidna sila *breaking load*
mm	kg	min. kg 1.770 N/mm^2	min. kg 1.960 N/mm^2
8	23,50	3.811	4.823
9	29,70	4.823	5.341
10	36,70	5.954	6.593
11	44,40	7.204	7.978
12	52,80	8.574	9.494
13	62,00	10.062	11.143
14	71,90	11.670	12.923
16	94,00	15.243	16.879
18	119,00	19.291	21.362
19	132,59	21.494	23.802
20	147,00	23.817	26.373
22	178,00	28.818	31.911
24	211,00	34.296	37.977
26	248,00	40.250	44.571
28	288,00	46.680	51.691
30	330,61	53.587	59.339
32	376,00	60.970	67.515
34	424,47	68.830	76.218
36	476,00	77.165	85.449
38	530,36	85.978	95.207
40	587,00	95.266	105.492
42	647,17	105.031	116.305
44	711,00	115.272	127.646
46	777,11	125.989	139.514
48	846,00	137.182	151.909
51	955,05	154.867	171.491
52	992,00	161.000	178.282
56	1.150,00	186.721	206.765
57	1.191,44	193.450	214.215
60	1.320,00	214.349	237.358
64	1.501,87	243.881	270.060

ČELIČNA UŽAD
STEEL ROPES



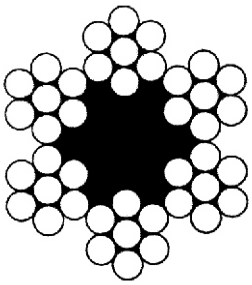
ČELIČNO UŽE 6 x 36WS + ČJ / *STEEL ROPE 6 x 36WS + ČJ*



Ø	masa na 100 m *weight per 100 m*	prekidna sila *breaking load*	prekidna sila *breaking load*
mm	kg	min. kg 1.770 N/mm^2	min. kg 1.960 N/mm^2
8	26,20	4.111	4.552
9	33,10	5.203	5.761
10	40,90	6.423	7.113
11	49,50	7.772	8.606
12	58,90	9.249	10.242
13	69,10	10.855	12.021
14	80,20	12.590	13.941
16	105,00	16.443	18.209
18	133,00	20.811	23.045
19	148,19	23.188	25.677
20	164,00	25.593	28.451
22	198,00	31.088	34.426
24	236,00	36.998	40.969
26	276,00	43.421	48.082
28	321,00	50.358	55.764
30	368,49	57.809	64.015
32	419,00	65.774	72.834
34	473,01	74.253	82.223
36	530,00	83.245	92.181
38	590,52	92.752	102.708
40	654,00	102.772	113.804
42	721,04	113.306	125.469
44	792,00	124.354	137.703
46	865,64	135.916	150.506
48	942,00	147.991	163.878
51	1.063,43	167.069	185.002
52	1.110,00	173.684	192.329
56	1.280,00	208.691	223.056
57	1.326,12	208.691	231.093
60	1.470,00	231.234	256.059
64	1.672,53	263.096	291.338

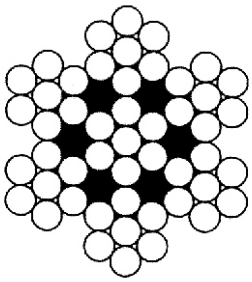


ČELIČNO UŽE 6 x 7 + VJ / *STEEL ROPE 6 x 7 + VJ*



Ø	masa na 100 m *weight per 100 m*	prekidna sila *breaking load*
mm	kg	min. kg
2	1,38	240
3	3,11	539
4	5,52	958
5	8,63	1.498
6	12,4	2.156
7	16,9	2.935
8	22,1	3.834
9	27,9	4.852
10	34,5	5.990

ČELIČNO UŽE 6 x 7 + ČJ / *STEEL ROPE 6 x 7 + ČJ*



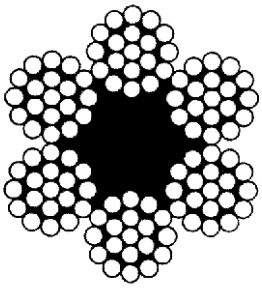
Ø	masa na 100 m *weight per 100 m*	prekidna sila *breaking load*
mm	kg	min. kg
2	1,54	280
3	3,46	630
4	6,14	1.120
5	9,60	1.750
6	13,80	2.520
7	18,80	3.430
8	24,60	4.480
9	31,10	5.670
10	38,40	7.001

ČELIČNA UŽAD
STEEL ROPES



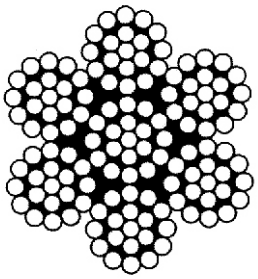
ČELIČNA UŽAD
STEEL ROPES

ČELIČNO UŽE 6 x 19 + VJ / *STEEL ROPE 6 x 19 + VJ*



Ø	masa na 100 m *weight per 100 m*	prekidna sila *breaking load*
mm	kg	min. kg
3	3,11	499
4	5,54	886
5	8,65	1.385
6	12,5	1.994
7	17	2.714
8	22,2	3.545
9	28,1	4.487
10	34,69	5.539
11	41,98	6.702
12	49,96	7.976
13	58,63	9.361
14	68	10.857
16	88,82	14.180
18	112,41	17.947
20	138,78	22.157
22	167,92	26.809
24	199,84	31.905

ČELIČNO UŽE 6 x 19 + ČJ / *STEEL ROPE 6 x 19 + ČJ*



Ø	masa na 100 m *weight per 100 m*	prekidna sila *breaking load*
mm	kg	min. kg
3	3,43	588
4	6,10	1.045
5	9,53	1.633
6	13,70	2.351
7	18,70	3.200
8	24,42	4.180
9	30,91	5.291
10	38,16	6.531
11	46,18	7.903
12	54,96	9.405
13	64,50	11.038
14	74,80	12.802
16	97,70	16.721
18	123,65	21.162
20	152,65	26.126
22	184,71	31.612



Priveznice

Wire Rope Slings

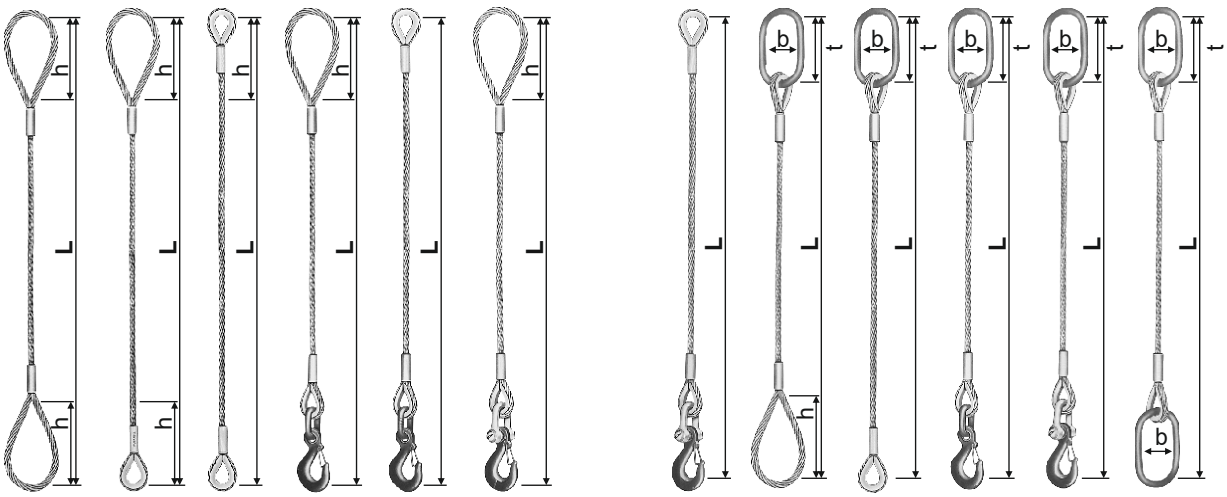
U našoj ponudi nalaze se priveznice različitih konstrukcija i dimenzija, izrađene prema zahtevima kupaca. Namenjenje su za upotrebu u građevinarstvu, industriji, transportu i svim drugim oblastima gde je potrebna sigurna manipulacija teretom.



PRIVEZNICE OD ČELIČNOG UŽETA (BRAGE) jednostruke

SINGLE WIRE ROPE SLINGS

Standard EN 13414-1 **Faktor sigurnosti 5:1**



1P-1 **1P-2** **1P-3** **1P-4** **1P-5** **1P-6** **1P-7** **1P-8** **1P-9** **1P-10** **1P-11** **1P-6**

nazivni prečnik užeta	nosivost za užad sa vlaknastim jezgrom	nosivost za užad sa čeličnim jezgrom	minimalna dužina petlje	unutrašnje dimenzije alke	
			h	t	b
mm	t	t	mm	mm	mm
6	0,35	0,38	90	110	60
8	0,70	0,75	120	110	60
9	0,85	0,95	135	110	60
10	1,05	1,15	150	110	60
11	1,30	1,40	165	110	60
12	1,55	1,70	180	110	60
13	1,80	2,00	195	110	60
14	2,12	2,25	210	135	75
16	2,70	3,00	240	135	75
18	3,40	3,70	270	160	90
19	3,90	4,20	300	160	90
20	4,35	4,60	330	180	100
22	5,20	5,65	360	180	100
24	6,30	6,70	390	180	100
26	7,20	7,80	420	180	100
28	8,40	9,00	450	200	110
32	11,00	11,80	480	200	110
36	14,00	15,00	540	260	140
40	17,00	18,50	600	300	160
44	21,00	22,50	660	340	180
48	25,00	26,00	720	340	180
52	29,00	31,50	780	340	180
56	33,50	36,00	840	400	200
60	39,00	42,00	900	400	200

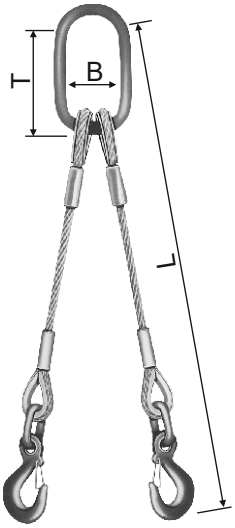
1) Dozvoljeno opterećenje pri obuhvatanju tereta podrazumeva se pri simetrično raspoređenom opterećenju.
U slučaju nesimetrično raspoređenog tereta, usvaja se dozvoljeno opterećenje jednokrakog vešanja.

2) U slučaju da se između petlje i kuke koristi kao veza škopac, usvaja se kuka za jedan broj veća, zbog usklađivanja dimenzija kuke i škopca.

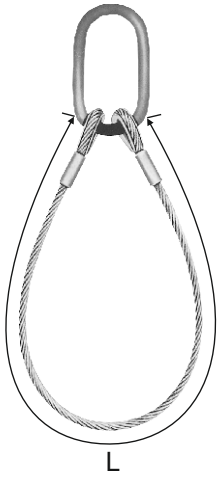


PRIVEZNICE OD ČELIČNOG UŽETA (BRAGE) dvostruke
TWO LEGS WIRE ROPE SLINGS

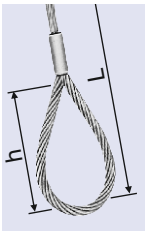
Standard EN 13414-1 **Faktor sigurnosti 5:1**



2P-1



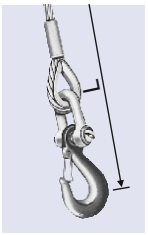
2P-6



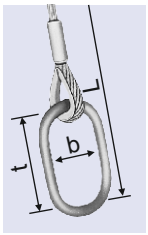
2P-2



2P-3



2P-4



2P-5

nazivni prečnik užeta	nosivost za užad sa vlaknastim jezgrom		nosivost za užad sa čeličnim jezgrom		minimalna dužina petlje	unutrašnje dimenzije alke	
	0° - 45°	45° - 60°	0° - 45°	45° - 60°	h	t	b
mm	t	t	t	t	mm	mm	mm
6	0,70	0,51	0,80	0,68	90	110	60
8	0,95	0,70	1,05	0,75	120	110	60
9	1,20	0,85	1,30	0,95	135	110	60
10	1,50	1,05	1,60	1,15	150	110	60
11	1,80	1,30	2,00	1,40	165	110	60
12	2,12	1,55	2,30	1,70	180	110	60
13	2,50	1,80	2,80	2,00	195	110	60
14	3,00	2,12	3,15	2,25	210	135	75
16	3,85	2,70	4,20	3,00	240	135	75
18	4,80	3,40	5,20	3,70	270	160	90
19	5,70	3,80	6,20	4,30	300	160	90
20	6,00	4,35	6,50	4,60	330	180	100
22	7,20	5,20	7,80	5,65	360	180	100
24	8,80	6,30	9,40	6,70	390	180	100
26	10,00	7,20	11,00	7,80	420	180	100
28	11,80	8,40	12,50	9,00	450	200	110
32	15,00	11,00	16,50	11,80	480	200	110
36	19,00	14,00	21,00	15,00	540	260	140
40	23,50	17,00	26,00	18,50	600	300	160
44	29,00	21,00	31,50	22,50	660	340	180
48	35,00	25,00	37,00	26,00	720	340	180
52	40,00	29,00	44,00	31,50	780	340	180
56	47,00	33,50	50,00	36,00	840	400	200
60	54,00	39,00	58,00	42,00	900	400	200

1) Dozvoljeno opterećenje u slučaju prihvatanja tereta pod uglom α između krakova podrazumeva se pri simetrično raspoređenom opterećenju.
U slučaju nesimetrično raspoređenog tereta, usvaja se dozvoljeno opterećenje jednokrakog kraka.

2) U slučaju da se između petlje i kuke koristi kao veza škopac, usvaja se kuka za jedan broj veća zbog usklađivanja dimenzija kuke i škopca.

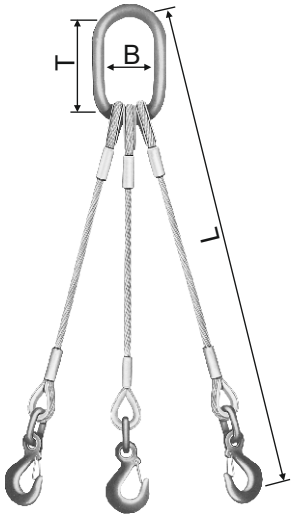


PRIVEZNICE
WIRE ROPE SLINGS

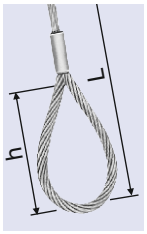
PRIVEZNICE OD ČELIČNOG UŽETA (BRAGE) trostruke

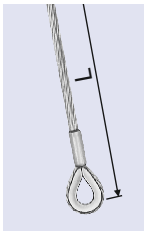
THREE LEG WIRE ROPE SLINGS

Standard EN 13414-1 **Faktor sigurnosti 5:1**

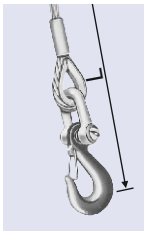


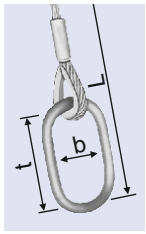
3P-1





3P-2 **3P-3**





3P-4 **3P-5**

nazivni prečnik užeta	nosivost za užad sa vlaknastim jezgrom		nosivost za užad sa čeličnim jezgrom		minimalna dužina petlje	unutrašnje dimenzije alke	
	0° - 45°	45° - 60°	0° - 45°	45° - 60°	h	t	b
mm	t	t	t	t	mm	mm	mm
6	0,70	0,51	0,80	0,68	90	110	60
8	1,50	1,05	1,55	1,10	120	110	60
9	1,80	1,30	2,00	1,40	135	110	60
10	2,25	1,60	2,40	1,70	150	110	60
11	2,70	1,95	3,00	2,12	165	110	60
12	3,30	2,30	3,55	2,50	180	110	60
13	3,85	2,70	4,15	3,00	195	110	60
14	4,35	3,15	4,80	3,40	210	135	75
16	5,65	4,20	6,30	4,50	240	135	75
18	7,20	5,20	7,80	5,65	270	160	90
19	8,60	6,10	9,40	6,50	300	160	90
20	9,00	6,50	9,80	6,90	330	180	100
22	11,00	7,80	11,80	8,40	360	180	100
24	13,50	9,40	14,00	10,00	390	180	100
26	15,00	11,00	16,50	11,50	420	180	100
28	18,00	12,50	19,00	13,50	450	200	110
32	23,50	16,50	25,00	17,50	480	200	110
36	29,00	21,00	31,50	22,50	540	260	140
40	36,00	26,00	39,00	28,00	600	300	160
44	44,00	31,50	47,00	33,50	660	340	180
48	52,00	37,00	55,00	40,00	720	340	180
52	62,00	44,00	66,00	47,00	780	340	180
56	71,00	50,00	76,00	54,00	840	400	200
60	81,00	58,00	88,00	63,00	900	400	200

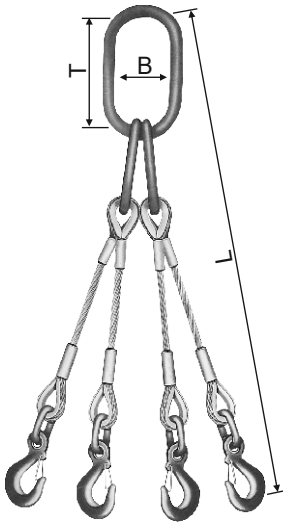
1) Dozvoljeno opterećenje u slučaju prihvatanja tereta pod uglom α između krakova, podrazumeva se pri simetrično raspoređenom opterećenju.
U slučaju nesimetrično raspoređenog tereta, usvaja se dozvoljeno opterećenje jednog kraka.

2) U slučaju da se između petlje i kuke koristi kao veza škopac, usvaja se kuka za jedan broj veća zbog usklađivanja dimenzija kuke i škopca.

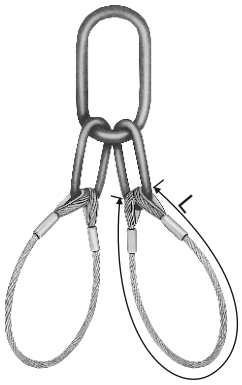


PRIVEZNICE OD ČELIČNOG UŽETA (BRAGE) četvorostruke
FOUR WIRE ROPE SLINGS

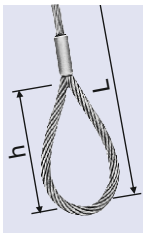
Standard EN 13414-1 **Faktor sigurnosti 5:1**



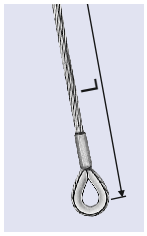
4P-1



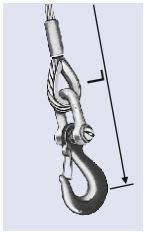
4P-6



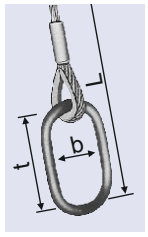
4P-2



4P-3



4P-4



4P-5

nazivni prečnik užeta	nosivost za užad sa vlaknastim jezgrom		nosivost za užad sa čeličnim jezgrom		minimalna dužina petlje	unutrašnje dimenzije alke	
	0° - 45°	45° - 60°	0° - 45°	45° - 60°	h	t	b
mm	t	t	t	t	mm	mm	mm
6	0,70	0,51	0,80	0,68	90	110	60
8	1,50	1,05	1,55	1,10	120	110	60
9	1,80	1,30	2,00	1,40	135	110	60
10	2,25	1,60	2,40	1,70	150	110	60
11	2,70	1,95	3,00	2,12	165	110	60
12	3,30	2,30	3,55	2,50	180	110	60
13	3,85	2,70	4,15	3,00	195	110	60
14	4,35	3,15	4,80	3,40	210	135	75
16	5,65	4,20	6,30	4,50	240	135	75
18	7,20	5,20	7,80	5,65	270	160	90
19	8,60	6,10	9,40	6,50	300	160	90
20	9,00	6,50	9,80	6,90	330	180	100
22	11,00	7,80	11,80	8,40	360	180	100
24	13,50	9,40	14,00	10,00	390	180	100
26	15,00	11,00	16,50	11,50	420	180	100
28	18,00	12,50	19,00	13,50	450	200	110
32	23,50	16,50	25,00	17,50	480	200	110
36	29,00	21,00	31,50	22,50	540	260	140
40	36,00	26,00	39,00	28,00	600	300	160
44	44,00	31,50	47,00	33,50	660	340	180
48	52,00	37,00	55,00	40,00	720	340	180
52	62,00	44,00	66,00	47,00	780	340	180
56	71,00	50,00	76,00	54,00	840	400	200
60	81,00	58,00	88,00	63,00	900	400	200

1) Dozvoljeno opterećenje u slučaju prihvatanja tereta pod uglom α između krakova, podrazumeva se pri simetrično raspoređenom opterećenju.
U slučaju nesimetrično raspoređenog tereta pri uglu α, od 0 do 90° dozvoljeno opterećenje iznosi 50% od vrednosti navedene u tabeli.
Pri uglu α iznad 90° do 120° usvaja se dozvoljeno opterećenje jednog kraka.usvaja se dozvoljeno opterećenje jednog kraka.

2) U slučaju da se između petlje i kuke koristi kao veza škopac, usvaja se kuka za jedan broj veća zbog usklađivanja dimenzija kuke i škopca.

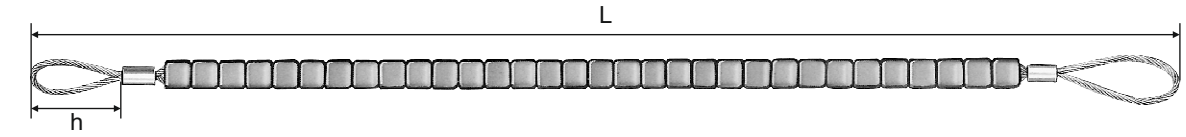


PRIVEZNICE
WIRE ROPE SLINGS

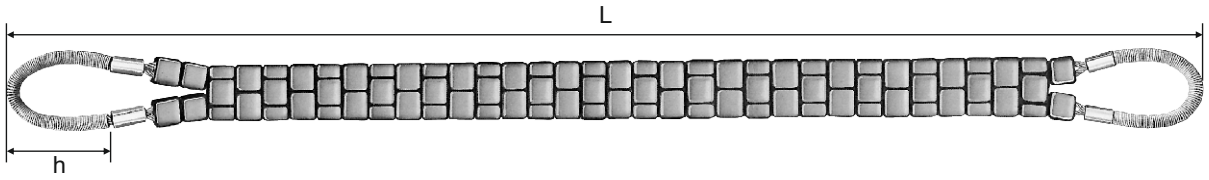
PRIVEZNICE OD ČELIČNIH UŽADI SA GUMENIM SEGMENTIMA

WIRE ROPE SLINGS WITH RUBBER SEGMENTS

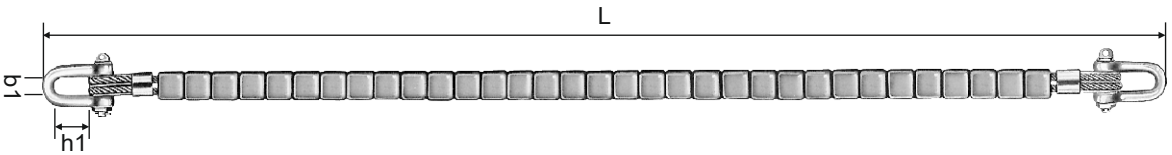
PGS - 2P



PGS - 2PO



PGS - 2Š



čelično uže		upotreba trake					širina trake	petlja	škopac	
		jednokraka	dvokraka							
broj užadi	Ø mm			60°	90°	120°	s	h	h1	b1
		nosivost u kg					mm			
2 x 8		960	1832	1585	1295	916	50	120	61	27
2 x 9		1156	2312	2000	1530	1156	50	135	73	33
2 x 10		1430	2860	2480	2020	1430	50	150	73	33
2 x 11		1730	3460	3000	2450	1730	64	165	91	42
2 x 12		2060	4120	3570	2910	2060	64	180	91	42
2 x 13		2420	4840	4190	3420	2420	64	195	111	47
2 x 14		2800	5600	4850	3960	2800	74	210	111	47
2 x 16		3660	7320	6340	5180	3660	74	240	119,5	53
2 x 18		4620	9240	8000	6530	4620	74	270	139,5	60
4 x 8		1832	3664	2910	2590	1830	100	120	-	-
4 x 9		2312	4624	4000	3270	2310	100	135	-	-
4 x 10		2860	5720	4950	4040	2860	100	150	-	-
4 x 11		3460	6920	5990	4890	3460	128	165	-	-
4 x 12		4120	8240	7140	5830	4120	128	180	-	-
4 x 13		4840	9680	8380	6840	4840	128	195	-	-
4 x 14		5600	11200	9700	7920	5600	148	210	-	-
4 x 16		7320	14640	12680	10350	7320	148	240	-	-
4 x 18		9240	18480	15990	13050	9240	148	270	-	-

1) Izbegavati veći ugao od 120°

2) Dužina L prema zahtevu

3) Za petlje je data minimalna veličina h. Prema zahtevu ove veličine se mogu povećati.



Tekstilne trake i priveznice

Textile Roundslings

Tekstilne trake za podizanje tereta prema EN 1492-1 sa jednom omčom na svakom kraju i beskonačne tekstilne trake prema EN 1492-2 su izrađene od tehničkog poliestera, koji pruža otpornost na vlagu i fleksibilnost na niskim temperaturama.



TEKSTILNE DVOSLOJNE TRAKE ZA DIZANJE I PRENOS TERETA SA OMČAMA
TEXTILE ROUNDSLINGS FOR CARGO TRANSFER AND LIFTING WITH LUG

EN 1492-1

Faktor sigurnosti / *safety factor* 7:1



standardizovane boje *colours*		oznaka *reference*	nosivost *maximum load* kg	širina trake *width thickness*
	violet	BZ-30	1000	30/7.
	green	BZ-60	2000	60/7.
	yellow	BZ-90	3000	90/7.
	grey	BZ-120	4000	120/7.
	red	BZ-150	5000	150/7.
	brown	BZ-180	6000	180/7.
	blue	BZ-240	8000	240/7.
	orange	BZ-300	10000	300/7.

	maksimalno opterećenje *maximum load* kg						
	1 sling					*2 slings*	
	direct pull	hanging	nosivost pod uglovima *inclination angles b°*			nosivost pod uglom inclination angle b°	
			0°<b°<7°	7°<b°<45°	45°<b°<60°	0°<b°<45°	45°<b°<60°
							
standardizovane boje colours	1	0.8	2	1.4	1	1.4	1
	violet	1000	800	2000	1400	1000	1400	1000
	green	2000	1600	4000	2800	2000	2800	2000
	yellow	3000	2400	6000	4200	3000	4200	3000
	grey	4000	3200	8000	5600	4000	5600	4000
	red	5000	4000	10000	7000	5000	7000	5000
	brown	6000	4800	12000	8400	6000	8400	6000
	blue	8000	6400	16000	11200	8000	11200	8000
	orange	10000	8000	20000	14000	10000	14000	10000

TEKSTILNE DVOSLOJNE TRAKE ZA DIZANJE I PRENOS TERETA BESKONAČNE
TEXTILE ROUNDSLINGS FOR CARGO TRANSFER AND LIFTING WITH LUG

EN 1492-2

Faktor sigurnosti / *safety factor* 7:1



standardizovane boje *colours*		oznaka *reference*	nosivost *maximum load*	širina trake *width thickness*
	violet	SRS 1000	1000	45
	green	SRS 2000	2000	50
	yellow	SRS 3000	3000	63
	grey	SRS 4000	4000	67
	red	SRS 5000	5000	70
	brown	SRS 6000	6000	80
	blue	SRS 8000	8000	100
	orange	SRS 10000	10000	100
	orange	SRS 15000	15000	105
	orange	SRS 20000	20000	128
	orange	SRS 25000	25000	141
	orange	SRS 30000	30000	160
	orange	SRS 40000	40000	173
	orange	SRS 50000	50000	230
	orange	SRS 60000	60000	245
	orange	SRS 80000	80000	320
	orange	SRS 100000	100000	360

maksimalno opterećenje
maximum load
kg

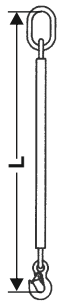
		1 sling					*2 slings*	
		direct pull	hanging	nosivost pod uglovima *inclination angles b°*			nosivost pod uglom inclination angle b°	
				0°<b°<7°	7°<b°<45°	45°<b°<60°	0°<b°<45°	45°<b°<60°
								
standardizovane boje colours		1	0.8	2	1.4	1	1.4	1
	violet	1000	800	2000	1400	1000	1400	1000
	green	2000	1600	4000	2800	2000	2800	2000
	yellow	3000	2400	6000	4200	3000	4200	3000
	grey	4000	3200	8000	5600	4000	5600	4000
	red	5000	4000	10000	7000	5000	7000	5000
	brown	6000	4800	12000	8400	6000	8400	6000
	blue	8000	6400	16000	11200	8000	11200	8000
	orange	10000	8000	20000	14000	10000	14000	10000
	orange	15000	12000	30000	21000	15000	21000	15000
	orange	20000	16000	40000	28000	20000	28000	20000
	orange	25000	20000	50000	35000	25000	35000	25000
	orange	30000	24000	60000	42000	30000	42000	30000
	orange	40000	32000	80000	56000	40000	56000	40000
	orange	50000	40000	100000	70000	50000	70000	50000
	orange	60000	48000	120000	84000	60000	84000	60000
	orange	80000	64000	160000	112000	80000	112000	80000
	orange	100000	80000	200000	140000	100000	140000	100000

TEKSTILNE TRAKE I PRIVEZNICE
TEXTILE ROUNDSLINGS



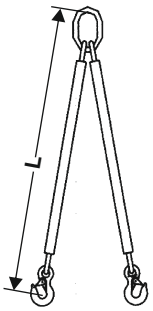
TEKSTILNE TRAKE I PRIVEZNICE
TEXTILE ROUNDSLINGS

TEKSTILNA JEDNOKRAKA PRIVEZNICA 1K1
TEXTILE SINGLE LEG SLINGS 1K1



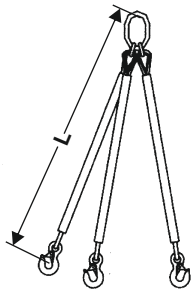
oznaka *sign*	tip *type*	nosivost *weight* kg	alka *link*	boja trake *sling colour*
3127**	EDT 110	1000	7 - 8	*violet*
3128**	EDT 120	2000	7 - 8	*green*
3129**	EDT 130	3000	10 - 8	*yellow*
3130**	EDT 140	4000	13 - 8	*grey*
3131**	EDT 150	5000	13 - 8	*red*
3132**	EDT 160	6000	16 - 8	*brown*
3133**	EDT 180	8000	16 - 8	*blue*

TEKSTILNA DVOKRAKA PRIVEZNICA 2K2
TEXTILE TWO-LEGS SLINGS 2K2



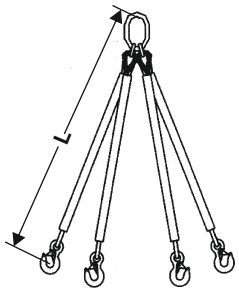
oznaka *sign*	tip *type*	nosivost *weight* kg	nosivost pod uglovima *inclination angles*		alka *link*	boja trake *sling colour*
			0° - 45°	45° - 60°		
3134**	EDT 210	1400	1400	1000	7 - 8	*violet*
3135**	EDT 220	2800	2800	2000	7 - 8	*green*
3136**	EDT 230	4200	4200	3000	10 - 8	*yellow*
3137**	EDT 240	5600	5600	4000	13 - 8	*grey*
3138**	EDT 250	7000	7000	5000	13 - 8	*red*
3139**	EDT 260	8400	8400	6000	16 - 8	*brown*
3140**	EDT 280	11200	11200	8000	16 - 8	*blue*

TEKSTILNA TROKRAKA PRIVEZNICA 3K3
TEXTILE THREE-LEG SLINGS 3K3



oznaka *sign*	tip *type*	nosivost *weight* kg	nosivost pod uglovima *inclination angles*		alka *link*	boja trake *sling colour*
			0° - 45°	45° - 60°		
3141**	EDT 310	2100	2100	1500	7 - 8	*violet*
3142**	EDT 320	4200	4200	3000	7 - 8	*green*
3143**	EDT 330	6300	6300	4500	10 - 8	*yellow*
3144**	EDT 340	8400	8400	6000	13 - 8	*grey*
3145**	EDT 350	10500	10500	7500	13 - 8	*red*
3146**	EDT 360	12600	12600	9000	16 - 8	*brown*
3147**	EDT 380	16800	16800	12000	16 - 8	*blue*

TEKSTILNA ČETVOROKRAKA PRIVEZNICA 4K4
TEXTILE FOUR-LEG SLINGS 4K4



oznaka *sign*	tip *type*	nosivost *weight* kg	nosivost pod uglovima *inclination angles*		alka *link*	boja trake *sling colour*
			0° - 45°	45° - 60°		
3148**	EDT 410	2100	2100	1500	7 - 8	*violet*
3149**	EDT 420	4200	4200	3000	7 - 8	*green*
3150**	EDT 430	6300	6300	4500	10 - 8	*yellow*
3151**	EDT 440	8400	8400	6000	13 - 8	*grey*
3152**	EDT 450	10500	10500	7500	13 - 8	*red*
3153**	EDT 460	12600	12600	9000	16 - 8	*brown*
3154**	EDT 480	16800	16800	12000	16 - 8	*blue*

Valjkasti (Galovi) lanci

Rolling Chains

MM Veriga rešava specifične probleme kupaca, specijalnih lanaca i lančanika, u transportnim i pogonskim tehnologijama. Lanci i lancanici imaju siroku primenu u svim industrijama javnog prevoza, drvne industrije, automobilske, industrije papira i čelika, prehrambene i hidroenergetske industrije, mašinske i biljne industrije, itd...

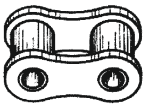


VALJKASTI LANCI, EVROPSKI STANDARD

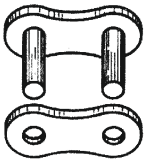
ROLLING CHAINS, EUROPEAN STANDARD

ISO 606 - 1982 (DIN8187) JEDNOREDNI

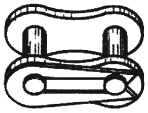
REZERVNI SPOJNI ELEMENTI / *SPARE PARTS*



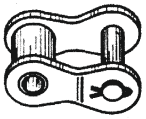
№3
UNUTRAŠNJI ČLANAK
INNER LINK



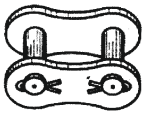
№108
SPOLJNI ČLANAK
OUTER LINK



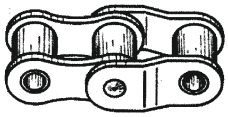
№28
ČLANAK ZA VEZU PRAV
CONNECTING LINK



№114
KRIVI ČLANAK ZA VEZU
CRANKED LINK



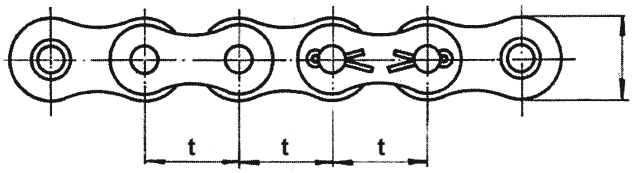
№68
ČLANAK ZA VEZU PRAV
CONNECTING LINK

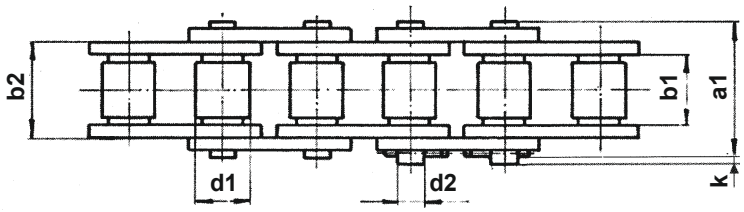


№32
DUPLI KRIVI ČLANAK
CRANKED LINK DOUBLE



№32
SPOJNA OPRUGA
SPRING CLIP FASTENER





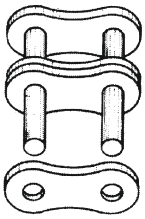
lanac broj *chain number*	korak *pitch*		unutrašnja širina *between inner plates*	prečnik valjka *roller diametar*	širina unutra. članka *inner link track*	prečnik svornjaka *pin diametar*	širina lamele *plate track*	širina lanca *chain track*	dodatak *appendix*	sila kidanja *breaking load*	težina *weight*
ISO	t		b1	d1	b2	d2	g	a1	k	kN	g
	mm	inch/zoll	min	max	max	h9	max	max	max	min	kg/m
06 B-1	9,525	3/8	5,72	6,35	8,53	3,31	8,5	13,5	3,3	9	0,41
081	12,7	1/2	3,3	7,75	5,8	3,59	9,9	10,2	1,5	8,2	0,28
082	12,7	1/2	2,38	7,75	4,6	3,59	9,9	8,6	-	10	0,26
083	12,7	1/2	4,88	7,75	7,9	4,09	10,3	12,9	1,5	12	0,42
084	12,7	1/2	4,88	7,75	8,8	4,09	11,1	14,8	1,5	16	0,59
08 B-1	12,7	1/2	7,55	8,51	11,3	4,45	12	17	3,9	18	0,7
10 B-1	15,875	5/8	9,65	10,16	13,28	5,08	14,7	19,6	4,1	22,4	0,95
12 B-1	19,05	3/4	11,68	12,07	15,62	5,72	16,2	22,7	4,6	29	1,25
16 B-1	25,4	1	17,02	15,88	25,4	8,28	21	36,1	5,4	60	2,7
20 B-1	31,75	1 1/4	19,56	19,05	29	10,19	26,4	43,2	6,1	95	3,6
24 B-1	38,1	1 1/2	25,4	25,4	37,9	14,63	33,4	53,4	6,6	160	6,7
28 B-1	44,45	1 3/4	30,99	27,94	46,5	15,9	37	65,1	7,4	200	8,3
32 B-1	50,8	2	30,99	29,21	45,5	17,81	42,2	67,4	7,9	250	10,5
40 B-1	63,5	2 1/2	38,1	39,37	55,7	22,89	52,9	82,6	10,2	355	16
48 B-1	76,2	3	45,72	48,26	70,5	29,24	63,8	99,1	10,5	560	25
56 B-1	88,9	3 1/2	53,34	53,98	81,3	34,32	77,8	114,6	11,7	850	35
64 B-1	101,6	4	60,96	63,5	92	39,4	90,1	130,9	13	1120	60
72 B-1	114,3	4 1/2	68,58	72,39	103,8	44,5	103,6	147,4	14,3	1400	80



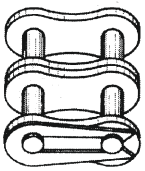
VALJKASTI LANCI, EVROPSKI STANDARD
ROLLING CHAINS, EUROPEAN STANDARD

ISO 606 - 1982 (DIN8187) DVOREDNI

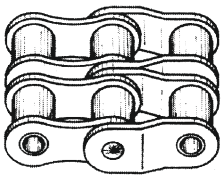
REZERVNI SPOJNI ELEMENTI / *SPARE PARTS*



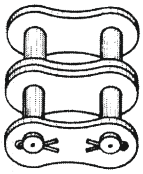
№108
SPOLJNI ČLANAK
OUTER LINK



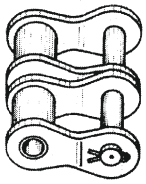
№28
ČLANAK ZA VEZU PRAV
CONNECTING LINK



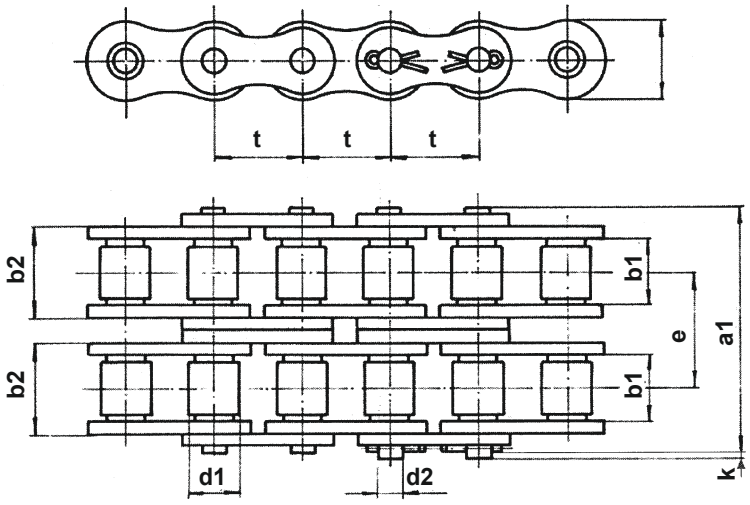
№32
DUPLI KRIVI ČLANAK
CRANKED LINK DOUBLE



№68
ČLANAK
ZA VEZU PRAV
CONNECTING LINK



№114
KRIVI ČLANAK
ZA VEZU
CRANKED LINK



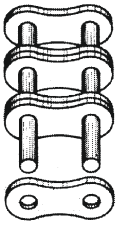
lanac broj *chain number*	korak *pitch*		unutrašnja širina *between inner plates*	prečnik valjka *roller diametar*	širina unutra. članka *inner link track*	prečnik svornjaka *pin diametar*	širina lamele *plate track*	širina lanca *chain track*	dodatak *appendix*	korak po širini *pich width*	sila kidanja *breaking load*	težina *weight*
ISO	t		b1	d1	b2	d2	g	a1	k	e	kN	g
	mm	inch/zoll	min	max	max	h9	max	max	max		min	kg/m
06 B-2	9,525	3/8	5,72	6,35	8,53	3,31	8,5	23,8	3,3	10,24	16	0,78
08 B-2	12,7	1/2	7,75	8,51	11,3	4,45	12	31	3,9	13,92	32	1,35
10 B-2	15,875	5/8	9,65	10,16	13,28	5,08	14,7	36,2	4,1	16,59	40	1,85
12 B-2	19,05	3/4	11,68	12,07	15,62	5,72	$16,2^{+0,2}$	42,2	4,6	19,46	53	2,5
16 B-2	25,4	1	17,02	15,88	25,45	8,28	21	68	5,4	31,88	106	5,4
20 B-2	31,75	1 1/4	19,56	19,05	29,01	10,19	26,4	79,7	6,1	36,45	170	7,2
24 B-2	38,1	1 1/2	25,4	25,4	37,92	14,63	33,4	101,8	6,6	48,36	280	13,5
28 B-2	44,45	1 3/4	30,99	27,94	46,58	15,90	37	124,7	7,4	59,56	360	16,6
32 B-2	50,8	2	30,99	29,21	45,57	17,81	42,2	126	7,9	58,55	450	21
40 B-2	63,5	2 1/2	38,1	39,37	55,75	22,89	52,9	154,9	10,2	72,29	630	32
48 B-2	76,2	3	45,72	48,26	70,56	29,24	63,8	190,4	10,5	91,21	1000	50
56 B-2	88,9	3 1/2	53,34	53,98	81,3	34,32	77,8	221,2	11,7	106,6	1600	70
64 B-2	101,6	4	60,96	63,5	92	39,4	90,1	250,8	13	119,89	2000	120
72 B-2	114,3	4 1/2	68,58	72,39	103,8	44,5	103,6	283,7	14,3	136,27	2500	160



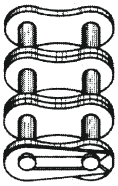
VALJKASTI LANCI, EVROPSKI STANDARD
ROLLING CHAINS, EUROPEAN STANDARD

ISO 606 - 1982 (DIN8187) TROREDNI

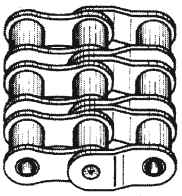
REZERVNI SPOJNI ELEMENTI / *SPARE PARTS*



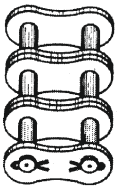
№108
SPOLJNI ČLANAK
OUTER LINK



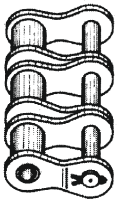
№28
ČLANAK ZA VEZU PRAV
CONNECTING LINK



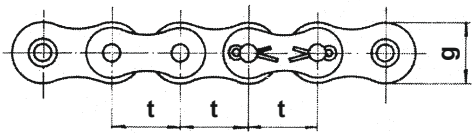
№32
DUPLI KRIVI ČLANAK
CRANKED LINK DOUBLE

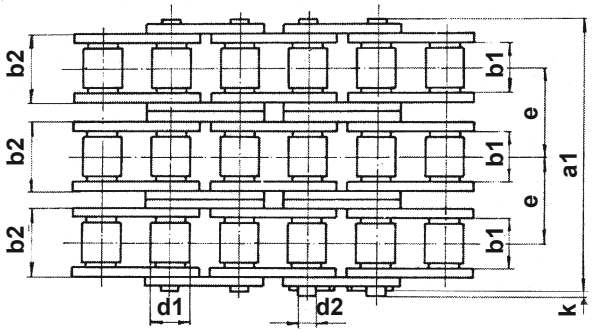


№68
ČLANAK ZA VEZU PRAV
CONNECTING LINK



№114
KRIVI ČLANAK ZA VEZU
CRANKED LINK





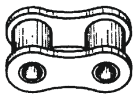
lanac broj *chain number*	korak *pitch*		unutrašnja širina *between inner plates*	prečnik valjka *roller diametar*	širina unutra. članka *inner link track*	prečnik svornjaka *pin diametar*	širina lamele *plate track*	širina lanca *chain track*	dodatak *appendix*	korak po širini *pich width*	sila kidanja *breaking load*	težina *weight*
ISO	t		b1	d1	b2	d2	g	a1	k	e	kN	g
	mm	inch/zoll	min	max	max	h9	max	max	max		min	kg/m
06 B - 3	9,525	3/8	5,72	6,35	8,53	3,31	8,5	34	3,3	10,24	23,6	1,18
08 B - 3	12,7	1/2	7,75	8,51	11,3	4,45	12	44,9	3,9	13,92	47,5	2
10 B - 3	15,875	5/8	9,65	10,16	13,28	5,08	14,7	52,8	4,1	16,59	60	2,8
12 B - 3	19,05	3/4	11,68	12,07	15,62	5,72	16,2	61,7	4,6	19,46	80	3,8
16 B - 3	25,4	1	17,02	15,88	25,45	8,28	21	99,99	5,4	31,88	160	8
20 B - 3	31,75	1 1/4	19,56	19,05	29,01	10,19	26,4	116,1	6,1	36,45	250	11
24 B - 3	38,1	1 1/2	25,4	25,4	37,95	14,63	33,4	150,2	6,6	48,36	425	21
28 B - 3	44,45	1 3/4	30,99	27,94	46,58	15,90	37	184,3	7,4	59,56	530	25
32 B - 3	50,8	2	30,99	29,21	45,57	17,81	42,20	184,5	7,9	58,55	670	32
40 B - 3	63,5	2 1/2	38,1	39,37	55,75	22,89	52,9	227,2	10,2	72,29	950	48
48 B - 3	76,2	3	45,72	48,26	70,56	29,24	63,8	281,6	10,5	91,21	1050	75
56 B - 3	88,9	3 1/2	53,34	53,98	81,3	34,32	77,8	-	11,7	106,6	2240	105
64 B - 3	101,6	4	60,96	63,50	92	39,4	90,1	-	13	119,89	3000	180
72 B - 3	114,3	4 1/2	68,58	72,39	103,8	44,5	103,6	-	14,3	136,27	3750	240



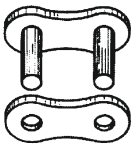
VALJKASTI LANCI, AMERIČKI STANDARD
ROLLING CHAINS, AMERICAN STANDARD

ANSI B 29.1-1975-ISO 606-1982 (DIN 8188) JEDNOREDNI

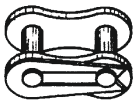
REZERVNI SPOJNI ELEMENTI / SPARE PARTS



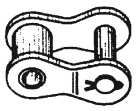
№3
UNUTRAŠNJI ČLANAK
INNER LINK



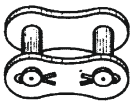
№108
SPOLJNI ČLANAK
OUTER LINK



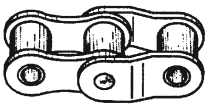
№28
ČLANAK ZA VEZU PRAV
CONNECTING LINK



№114
KRIVI ČLANAK ZA VEZU
CRANKED LINK



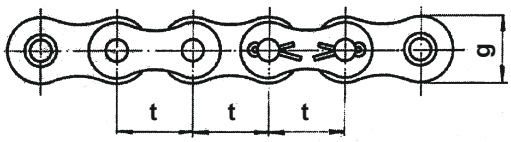
№68
ČLANAK ZA VEZU PRAV
CONNECTING LINK

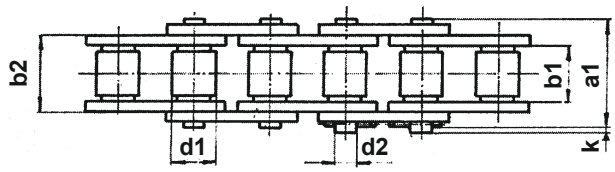


№32
DUPLI KRIVI ČLANAK
CRANKED LINK DOUBLE



№23
SPOJNA OPRUGA
SPRING CLIP FASTENER





lanac broj *chain number*	korak *pitch*		unutrašnja širina *between inner plates*	prečnik valjka *roller diametar*	širina unutra. članka *inner link track*	prečnik svornjaka *pin diametar*	širina lamele *plate track*	širina lanca *chain track*	dodatak *appendix*	sila kidanja *breaking load*	težina *weight*
ISO	t		b1	d1	b2	d2	g	a1	k	kN	g
	mm	inch/zoll	min	max	max	h9	max	max	max	min	kg/m
06 C	9,525	3/8	4,77	5,08	7,47	3,58	9,05	11,9	1	8	0,31
08 A	12,7	1/2	7,95	7,92	11,18	3,96	12,07	17,8	3,9	14,1	0,61
085	12,7	1/2	6,36	7,77	9,07	3,58	9,91	14	2	8	0,38
10 A	15,875	5/8	9,53	10,16	13,84	5,08	15,09	21,8	4,1	22,0	1,01
12 A	19,05	3/4	12,7	11,91	17,75	5,94	18,08	26,9	4,6	31,8	1,58
16 A	25,4	1	15,88	15,88	22,61	7,92	24,13	33,5	5,4	56,7	2,36
20 A	31,75	1 1/4	19,05	19,05	27,46	9,5	30,18	41,1	6,1	88,5	3,80
24 A	38,1	1 1/2	25,4	22,23	35,46	11,10	36,20	50,8	6,6	127	5,40
28 A	44,45	1 3/4	25,4	25,4	37,19	12,70	42,24	54,9	7,4	172,4	7,30
32 A	50,8	2	31,75	28,57	45,21	14,27	48,26	65,5	7,9	226,8	9,90
-	57,15	2 1/4	35,71	35,71	50,00	17,4	52,00	70,6	6,9	281,6	13,20
40 A	63,5	2 1/2	38,1	39,67	54,89	19,84	60,33	80,3	10,2	347	16,50
48 A	76,2	3	47,63	47,62	67,89	23,80	72,39	95,5	10,5	500,4	22,60

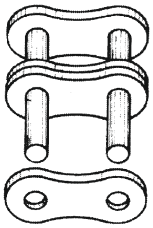
VALJKASTI LANCI
ROLLING CHAINS



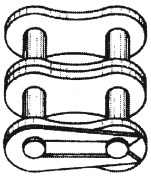
VALJKASTI LANCI, AMERIČKI STANDARD
ROLLING CHAINS, AMERICAN STANDARD

ANSI B 29.1-1975-ISO 606-1982 (DIN 8188) DVOREDNI

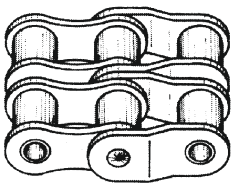
REZERVNI SPOJNI ELEMENTI / *SPARE PARTS*



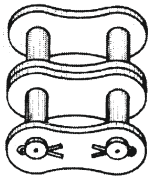
№108
SPOLJNI ČLANAK
OUTER LINK



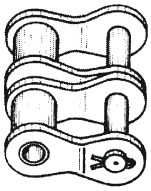
№28
ČLANAK ZA VEZU PRAV
CONNECTING LINK



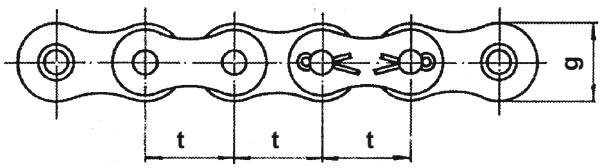
№32
DUPLI KRIVI ČLANAK
CRANKED LINK DOUBLE

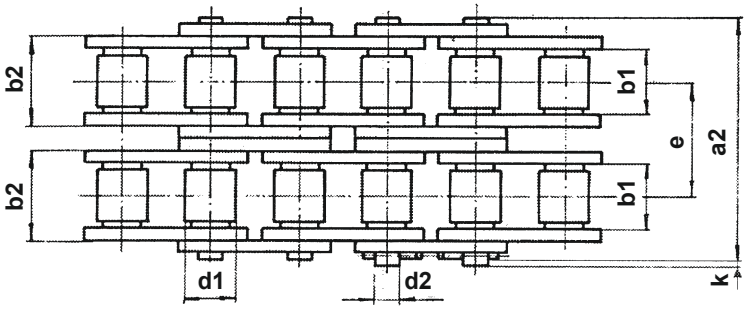


№68
ČLANAK
ZA VEZU PRAV
CONNECTING LINK



№114
KRIVI ČLANAK
ZA VEZU
CRANKED LINK





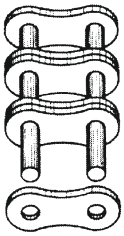
lanac broj *chain number*	korak *pitch*		unutrašnja širina *between inner plates*	prečnik valjka *roller diametar*	širina unutra. članka *inner link track*	prečnik svornjaka *pin diametar*	širina lamele *plate track*	širina lanca *chain track*	dodatak *appendix*	korak po širini *pich width*	sila kidanja *breaking load*	težina *weight*
ISO	t		b1	d1	b2	d2	g	a1	k	e2	kN	g
	mm	inch/zoll	min	max	max	h9	max	max	max		min	kg/m
06 C-2	9,525	3/8	4,77	5,08	7,47	3,58	9,00	22,5	1	10,13	16	0,67
08 A-2	12,7	1/2	7,95	7,92	11,18	3,96	12,07	32,3	3,9	14,38	28,2	1,19
10 A-2	15,875	5/8	9,53	10,16	13,84	5,08	15,09	39,9	4,1	18,11	44,4	1,70
12 A-2	19,05	3/4	12,7	11,91	17,75	5,94	18,08	49,8	4,6	22,78	63,6	3,14
16 A-2	25,4	1	15,88	15,88	22,61	7,92	24,13	62,7	5,4	29,29	113,4	4,90
20 A-2	31,75	1 1/4	19,05	19,05	27,46	9,5	30,18	77	6,1	35,76	177	7,60
24 A-2	38,1	1 1/2	25,4	22,23	35,46	11,10	36,20	96,3	6,6	45,44	254	10,80
28 A-2	44,45	1 3/4	25,4	25,4	37,19	12,70	42,24	103	7,4	48,87	344,8	14,30
32 A-2	50,8	2	31,75	28,57	45,21	14,27	48,26	124	7,9	58,55	453,6	19,40
-	57,15	2 1/4	35,71	35,71	50,00	17,4	52,00	136,6	6,9	65,84	563,2	26,00
40 A-2	63,5	2 1/2	38,1	39,67	54,89	19,84	60,33	151	10	71,55	707,6	33,00
48 A-2	76,2	3	47,63	47,62	67,89	23,80	72,39	183	10	87,83	1020,6	44,00



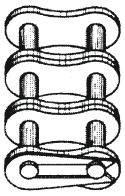
VALJKASTI LANCI, AMERIČKI STANDARD
ROLLING CHAINS, AMERICAN STANDARD

ANSI B 29.1-1975-ISO 606-1982 (DIN 8188) TOREDNI

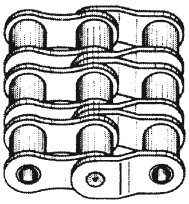
REZERVNI SPOJNI ELEMENTI / *SPARE PARTS*



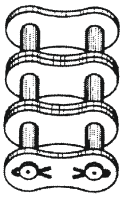
№108
SPOLJNI ČLANAK
OUTER LINK



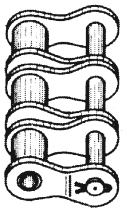
№28
ČLANAK ZA VEZU PRAV
CONNECTING LINK



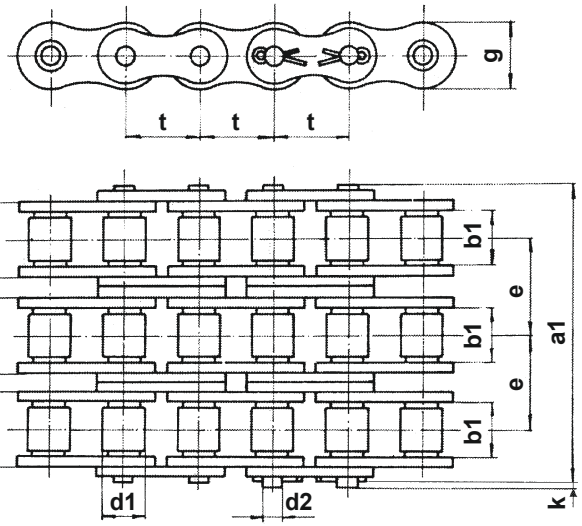
№32
DUPLI KRIVI ČLANAK
CRANKED LINK DOUBLE



№68
ČLANAK ZA VEZU PRAV
CONNECTING LINK



№114
KRIVI ČLANAK ZA VEZU
CRANKED LINK



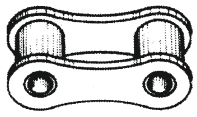
lanac broj *chain number*	korak *pitch*		unutrašnja širina *between inner plates*	prečnik valjka *roller diametar*	širina unutra. članka *inner link track*	prečnik svornjaka *pin diametar*	širina lamele *plate track*	širina lanca *chain track*	dodatak *appendix*	korak po širini *pich width*	sila kidanja *breaking load*	težina *weight*
ISO	t		b1	d1	b2	d2	g	a1	k	e2	kN	g
	mm	inch/zoll	min	max	max	h9	max	max	max		min	kg/m
06 C-3	9,525	3/8	4,77	5,08	7,47	3,58	9,00	33,1	1	10,13	24	1,01
08 A-3	12,7	1/2	7,95	7,92	11,18	3,96	12,07	46,7	3,9	14,38	42,3	1,78
10 A-3	15,875	5/8	9,53	10,16	13,84	5,08	15,09	57,9	4,1	18,11	66,6	3,02
12 A-3	19,05	3/4	12,7	11,91	17,75	5,94	18,08	72,6	4,6	22,78	95,4	4,70
16 A-3	25,4	1	15,88	15,88	22,61	7,92	24,13	91,7	5,4	29,29	170,1	7,50
20 A-3	31,75	1 1/4	19,05	19,05	27,46	9,5	30,18	113	6,1	35,76	265,5	11,20
24 A-3	38,1	1 1/2	25,4	22,23	35,46	11,10	36,20	141,7	6,6	45,44	381	16,10
28 A-3	44,45	1 3/4	25,4	25,4	37,19	12,70	42,24	152	7,4	48,87	517,2	21,40
32 A-3	50,8	2	31,75	28,57	45,21	14,27	48,26	182	7,9	58,55	680,4	29,10
-	57,15	2 1/4	35,71	35,71	50,00	17,4	52,00	202,4	6,9	65,84	844,8	38,60
40 A-3	63,5	2 1/2	38,1	39,67	54,89	19,84	60,33	223	10	71,55	1061,4	50,00
48 A-3	76,2	3	47,63	47,62	67,89	23,80	72,39	271	10	87,83	1530,9	66,00

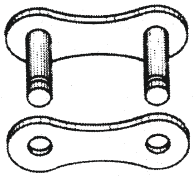


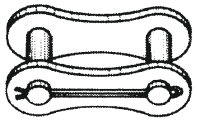
VALJKASTI LANCI
ROLLING CHAINS

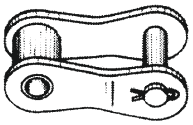
VALJKASTI LANCI SA DUGIM ČLANKOM
ROLLER CHAINS DOUBLE PITCH

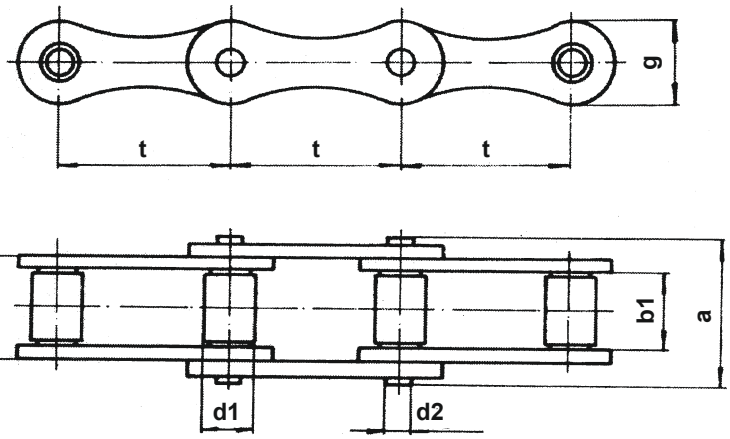
ISO 1275-1972 (DIN 8188 I ANSI)


№3


№108


№68


№114



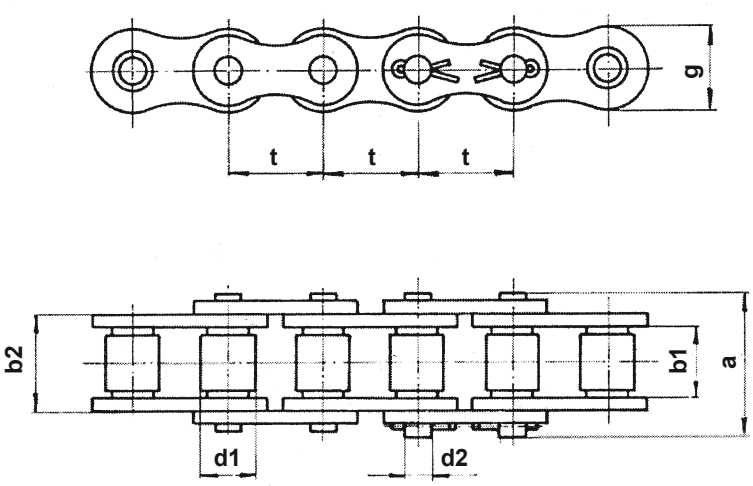


lanac broj *chain number*	korak *pitch*		unutrašnja širina *between inner plates*	prečnik valjka *roller diametar*	širina unutra. članka *inner link track*	prečnik svornjaka *pin diametar*	širina lamele *plate track*	širina lanca *chain track*	sila kidanja *breaking load*	težina *weight*
ISO	t		b1	d1	b2	d2	g	a1	kN	g
	mm	inch/zoll	min	max	max	h9	max	max	min	kg/m
208 B	25,4	1	7,75	8,51	11,30	4,45	11,8	17,0	18	0,45
210 B	31,75	1 1/4	9,65	10,16	13,28	5,08	14,2	19,6	22,4	0,65
212 B	38,1	1 1/2	11,68	12,07	15,62	5,72	16,1	22,7	29	0,76
216 B	50,8	2	17,02	15,88	25,45	8,28	21	36,1	60	1,75
220 B	63,5	2 1/2	19,56	19,05	29,01	10,19	26,4	43,2	95	1,95
224 B	76,2	3	25,4	25,4	37,92	14,63	33,4	53,4	160	4,5
208 A	25,4	1	7,95	7,92	11,15	3,96	12	17,8	14,1	0,42
210 A	31,75	1 1/4	9,53	10,16	13,8	5,08	15	21,8	22,2	0,7
212 A	38,1	1 1/2	12,7	11,91	17,7	5,94	18	26,9	31,8	1
216 A	50,8	2	15,88	15,88	22,5	7,92	24,1	33,5	56,7	1,7
220 A	63,5	2 1/2	19,05	19,05	27,4	9,53	30,1	41,1	88,5	2,55
224 A	76,2	3	25,4	22,23	35,6	11,1	36,2	50,8	127	3,5

VALJKASTI LANCI, OJAČANI
ROLLER CHAINS, HEAVY SERIES

ANSI B 29,1 1975

lanac broj *chain number*	korak *pitch*		unutrašnja širina *between inner plates*	prečnik valjka *roller diametar*	širina unutra. članka *inner link track*	prečnik svornjaka *pin diametar*	širina lamele *plate track*	širina lanca *chain track*	sila kidanja *breaking load*	težina *weight*
	t		b1	d1	b2	d2	g	a1	kN	g
	mm	inch/zoll	min	max	max	h9	max	max	min	kg/m
60 H	19,05	3/4	12,7	11,91	19,43	5,94	17,5	30,9	31,8	1,7
80 H	25,4	1	15,88	15,88	24,28	7,92	24	39	56,7	2,98
100 H	31,75	1 1/4	19,05	19,05	29,06	9,55	29,5	47,2	100	4,35
140 H	44,45	1 3/4	25,4	25,4	38,79	12,7	38	62	200	8,2
C2060	38,1	1 1/2	12,7	12,7	19,43	5,94	17	30,7	31,8	1,5



VALJKASTI LANCI, FABRIČKI STANDARD
ROLLER CHAINS, FACTORY STANDARD

lanac broj *chain number*	korak *pitch*		unutrašnja širina *between inner plates*	prečnik valjka *roller diametar*	širina unutra. članka *inner link track*	prečnik svornjaka *pin diametar*	širina lamele *plate track*	širina lanca *chain track*	sila kidanja *breaking load*	težina *weight*
	t		b1	d1	b2	d2	g	a1	kN	g
	mm	inch/zoll	min	max	max	h9	max	max	min	kg/m
175	12,7	1/2	5,2	7,75	8,45	4,09	11,15	14,8	16	0,60
180	12,7	1/2	5,2	8,51	8,73	4,45	12,2	15,3	18	0,62
185	12,7	1/2	6,4	8,51	9,93	4,45	12,2	16,5	18	0,66
215	15,875	5/8	6,48	10,16	10,08	5,08	14,5	17,5	22,4	0,78
301	25,4	1	12,7	15,88	21,13	8,28	21,1	33,5	60	2,50
320	30	-	17,02	15,88	25,45	8,28	21,1	38,8	60	2,70
365	38,1	1 1/2	22,1	21,6	31,60	12,00	33,40	44,6	120	4,00

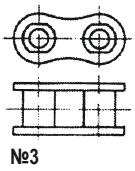


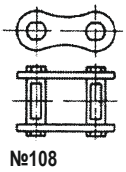
VALJKASTI LANCI
ROLLING CHAINS

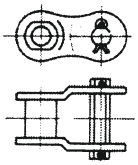
ČAURASTI LANCI
BUSH CHAINS

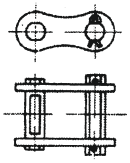
DIN 8164

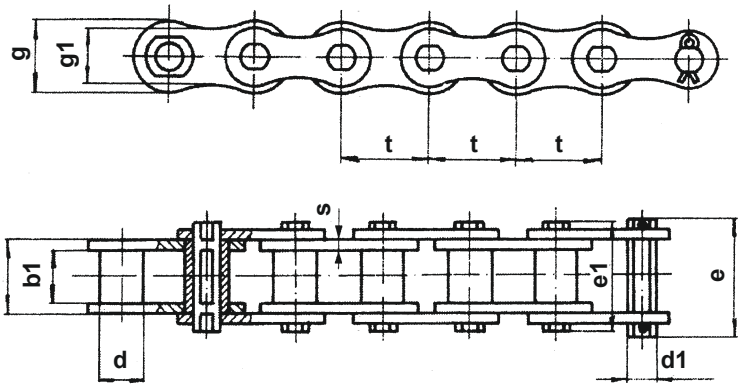
lanac broj *chain number*	korak *pitch*	unutrašnja širina *between inner plates*	prečnik čaure *bush diameter*	prečnik osovine *axle diameter*	dužina osovine za vezu	dužina osovine *axle length*	širina lamele *plate track*	širina unutra. članka *inner link track*	debljina lamele *plate thickness*	zglobna površina	sila kidanja *breaking load*	težina *weight*
	t mm	b1 min	d	d1 max	e ± 1	e1 ± 1	g	b2 max	S	A (b2x d1) cm²	kN	g kg/m
1015	15	14	9	6	33	27	14	18,5	2	1,1	12,5	1,20
1020	20	16	12	8	39	34	19	22,5	3	1,8	25	2,10
1025	25	18	15	10	44	37	24	24,5	3	2,5	31,5	2,60
1030	30	20	17	11	50	44	28	28,5	4	3,1	40	4,00
1035	35	22	18	12	55	46	30	30,5	4	3,7	50	4,30
1040	40	25	20	14	62	53	35	35,5	5	5,0	60	6,00
1045	45	30	22	16	72	63	40	42,5	6	6,8	80	8,00
1050	50	35	26	18	80	68	44	47,5	6	8,6	100	9,00
1055	55	45	30	20	100	86	49	61,5	8	12,3	125	14,00
1060	60	50	32	22	105	92	55	66,5	8	14,6	160	15,00
1065	65	55	36	26	114	98	61	72	8	18,7	200	19,00
1070	70	65	42	30	133	117	67	86	10	28,8	250	25,00
1080	80	70	44	32	151	131	75	96	12	30,7	315	31,00
1090	90	80	50	36	161	141	85	106	12	38,2	400	42,00
1100	100	90	56	42	173	153	95	116	12	48,7	500	49,00


№3


№108


№114


№68





ČAURASTI LANCI PO FABRIČKOM STANDARDU
BUSH CHAINS - FACTORY STANDARD

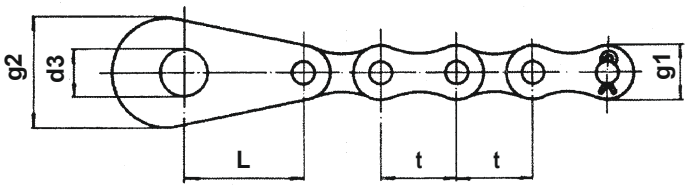
lanac broj *chain number*	korak *pitch*	unutrašnja širina *between inner plates*	prečnik čaure *bush diameter*	prečnik osovine *axle diameter*	dužina osovine za vezu	dužina osovine *axle length*	širina lamele *plate track*	širina unutra. članka *inner link track*	debljina lamele *plate thickness*	zglobna površina	sila kidanja *breaking load*	težina *weight*
	t mm	b1 min	d	d1 max	e ± 1	e1 ± 1	g	b2 max	S	A (b2 x d1) cm²	kN	g kg/m
1051	50	25	22	16	61	56,4	42	37	6	5,47	80	8,9
1061	58,62	30	22	14	77	69	36	46	8	6,44	80	13,7

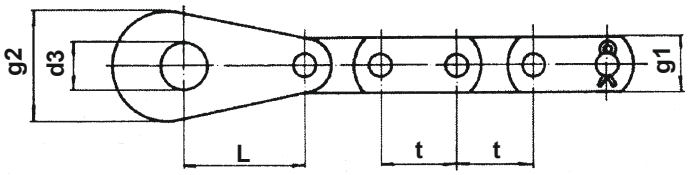
GALOVI LANCI
GALL CHAINS

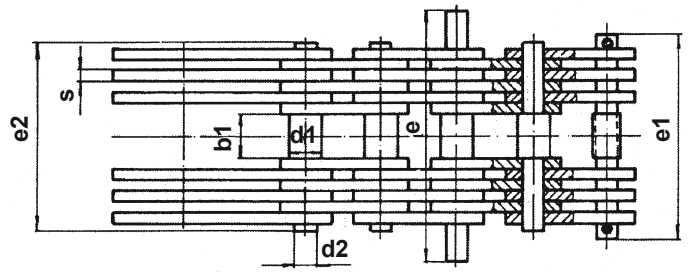
DIN 8150

lanac broj *chain number*	t mm	b1 min	d1 h11	d2 c11h11	d3	g1	g2	e1	e2	S	L	broj lamela *plate number*	zglobna površina A cm² z x s x d2	kN min	g Kp/m	e
2015	15	12	5	4,0	9	12	18	27	25	2,0	20	2	0,16	0,5	0,700	-
2020	20	15	8	6,0	10	15	20	33	28	2,0	25	2	0,24	1,25	1,10	-
2025	25	18	10	8,0	12	18	25	42	36	3,0	30	2	0,48	2,5	1,8	67
2030	30	20	11	9,0	14	20	30	58	51	3,0	40	4	1,08	4	3,40	87
2035	35	22	12	10	16	26	35	64	53	3,0	45	4	1,20	6	4,50	92
2040	40	25	14	12	18	30	40	66	58	3,0	50	4	1,44	8	5,0	101
2045	45	30	17	14	22	35	45	70	63	3,0	55	4	1,68	10	7,0	107
2050	50	35	22	18	26	38	50	97	90	4,5	60	4	3,24	15	11,3	140
2055*	55	40	24	21	32	40	55	115	108	6,0	65	4	5,04	20	14,5	162
2060*	60	45	26	23	36	45	60	120	114	6,0	70	4	5,52	25	17,1	170
2070*	70	50	32	28	41	55	70	157	148	6,0	85	6	10,18	37,5	34,0	210
2080*	80	60	36	32	50	60	85	171	159	6,0	100	6	11,52	50	39,0	232
2090*	90	70	40	36	60	70	100	200	184	7,0	120	6	15,12	75	53,0	265
2100*	100	80	45	40	70	80	120	234	224	7,0	140	8	22,95	100	77,0	308
2110*	110	90	50	45	80	90	140	251	236	7,0	160	8	25,28	125	90,0	326
2120*	120	100	60	50	90	100	160	277	262	8,0	180	8	32,00	150	112	356

* Proizvode se isključivo sa ravnim lamelama
** Straight side plates only*







VALJKASTI LANCI
ROLLING CHAINS

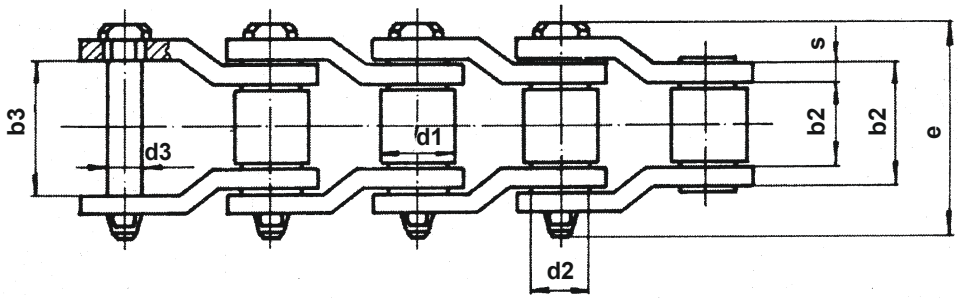


VALJKASTI LANCI
ROLLING CHAINS

ESKAVATORSKI LANCI
ROTARY CHAINS

A.P.I. DIN 8182 - ISO 3512-1976 i FABRIČKOM STANDARDU / *AND FACTORY STANDARD*

lanac broj *chain number*	korak *pitch*		unutrašnja širina *between inner plates*	prečnik valjka *roller diametar*	dimenzije članaka *anckles dimension*		prečnik čaure *bush diameter*	prečnik svornjaka *pin diametar*	širina lanca *chain track*	širina lamele *plate track*	debljina lamele *plate thickness*	sila kidanja *breaking load*	težina *weight*
	t		b1	d1	b2	b3	d2	d2	a1	g	S	kN	q
	mm	inch/zoll	min	max	max	min	mm	h9	max	max	max	min	kg/m
4150	77,9	3,067	39,7	41,28	59,0	60,0	29,00	19,05	97,5	60,00	9	453	18,2
4200	78,105	3,075	38,1	31,75	59,5	60,5	25,00	17,00	98,0	45,0	10	365	11,2
4201	78,105	3,075	38,1	35	59,5	60,5	25,00	17,00	98,0	45,0	10	365	12,3
A.P.I.3 4202	78,105	3,075	39,2	31,75	57,6	60,1	23,10	16,50	95,0	45,0	9	340	11,5
4250	79,375	3,125	40,7	41,27	59,9	61,0	29,00	20,00	98,0	60,0	9	500	16,4
A.P.I.4 4300	103,2	4,063	49,2	44,45	77,9	78,4	31,75	22,16	127,0	58,5	13	680	20,9
4301	103,2	4,063	49,2	46	88,8	84,0	32,00	23,70	140,0	60,0	16	750	34,2
4302	103,2	4,063	49,2	46	78,6	79,6	32,00	23,70	130,0	60,0	14	640	19,5
4303	103,2	4,063	50,4	56	80	82	38	30	135	70	14	800	39,5
4350	127,0	5,0	68,2	63,5	99,5	102,0	43,00	31,75	160,0	90,0	15	1300	44,4
4351	127,0	5,0	59	63,5	90,3	92,8	43,00	31,75	150,8	90,0	15	1300	52,0
4352	127,0	5,0	69,8	63,5	102,4	104,0	43,00	31,75	162	90,0	15	1300	52,0

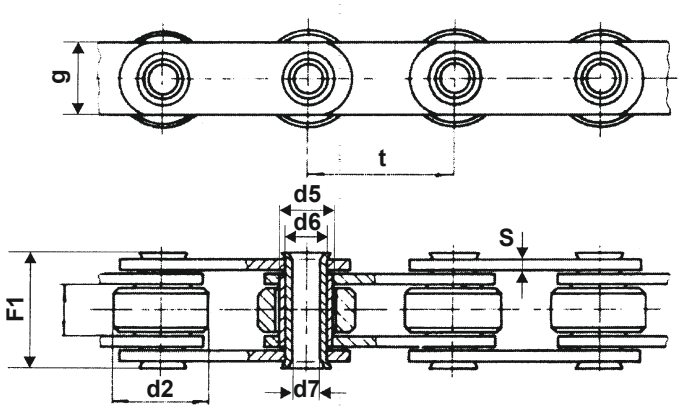


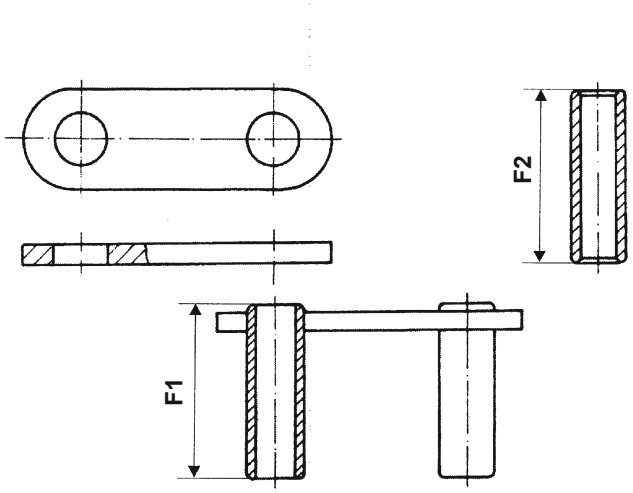


LANCI SA ŠUPLJIM OSOVINAMA
HOLLOW PINS CHAINS

FABRIČKI STANDARD / *FACTORY STANDARD*

lanac broj *chain number*	korak *pitch*	unutrašnja širina *between inner plates*	prečnik valjka *roller diametar*	prečnik čaure *bush diameter*	prečnik šuplje osovine *hollow pins diameter*	unutrašnji prečnik šuplje osovine *inside diameter of hollow pin*	širina lamele *plate track*	debljina lamele *plate thickness*	dužina osovine *axle lenght*	dužina osovine za vezu	sila kidanja *breaking load*	težina *weight*
	t mm	b min	d2 mm	d5 mm	d6 mm	d7 mm	g	S	F1 mm	F1 mm	kN	kg/m
411967	38,1	15	25,4	17,8	13,8	10,1	30	4	35,5	-	42	3,8
310376	41,4	15	25,4	17,8	13,8	10,5	32	4	35,5	41,3	39	3,5
308975	50	15	32	17,8	13,8	10,1	25	4	35,5	41,3	42	3,9
408600	50,8	10	30	16	11,5	8,2	24	3,2	27	30	32	2,1
416097	50,8	10	35	16	11,5	8,2	24	3,2	27	-	30	2,9
316776	50,8	20	32	23,6	19,1	12,4	40	4 i 5	44,6	-	55	5,8
310356	60	15	32	17,8	13,8	10,5	26	4	35,5	41,3	28	3,5
316100	100	10	30-1	16	11,5	8,2	26	3,2	27	30	30	1,5
309070	100	15	32	17,8	13,8	10,1	26	4	35,5	41,3	42	2,9





VALJKASTI LANCI
ROLLING CHAINS



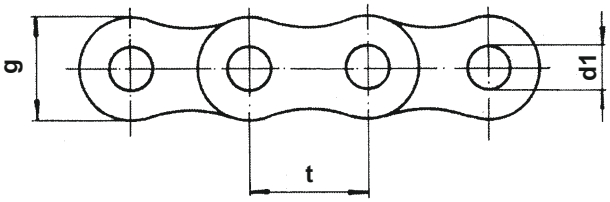
VALJKASTI LANCI
ROLLING CHAINS

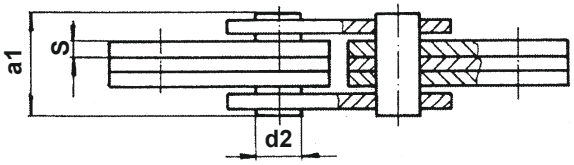
PLOČASTI LANCI - TEŠKA IZVEDBA

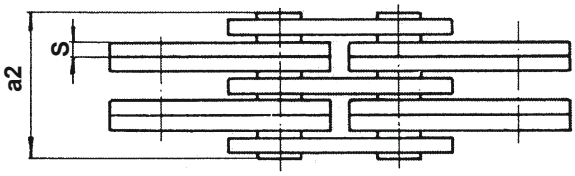
LEAF CHAINS - LIGHT

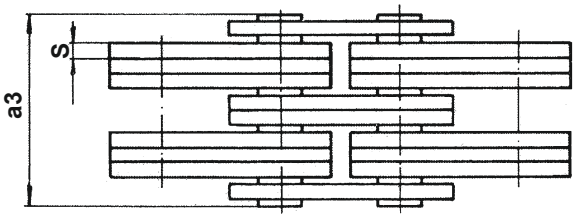
ISO 4347 - 1977 (DIN 8152 - DEO / *PART* 1)

lanac broj *chain number*	korak *pitch*		d1 min	g max	S	d2 max	kombinacija / *combination*								
							2 x 3			3 x 4			4 x 6		
							a1 max	prek.sila	težina	a2 max	prek.sila	težina	a3 max	prek.sila	težina *weight*
DIN	t		mm	mm	mm	mm	mm	kN min	kg/m	mm	kN min	kg/m	mm	kN min	kg/m
	mm	inch/zoll													
LH 08	12,7	1/2	5,12	11,2	2	5,09	13	22,2	0,8	17,4	33,3	1,1	23,8	44,4	1,6
LH 10	15,875	5/8	5,98	14,2	2,4	5,94	15,3	32,6	1,1	20,3	48,9	1,5	27,7	65,2	2,1
LH 12	19,05	3/4	7,96	16,2	3,2	7,92	20,7	48,9	1,8	27,4	73,4	2,5	37,4	97,8	3,6
LH 16	25,4	1	9,63	24	4	9,53	25,4	84,5	2,7	33,7	126,7	3,8	46,1	169	5,4
LH 20	31,75	1 1/4	11,19	26,2	4,6	11,10	30,3	115,7	4,3	40,2	173,6	5,9	55	231,4	8,4
LH 24	38,1	1 1/2	12,74	35	5,5	12,7	35,4	151,2	5,8	47	226,8	8,1	64,5	302,6	11,5
LH 28	44,45	1 3/4	14,33	38	6,3	14,27	40,1	191,3	7,6	53,3	286,9	10,6	73,1	382,6	15
LH 32	50,8	2	17,51	44	7	17,45	46,5	289,1	10	61,7	433,6	14	84,4	578,2	20





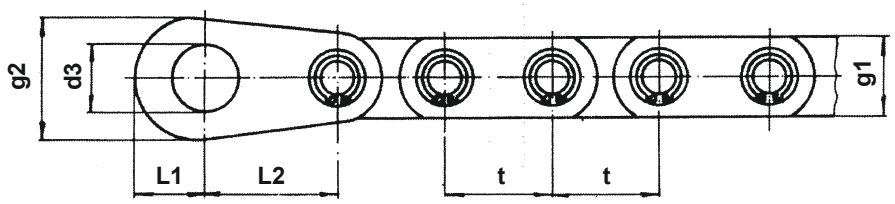


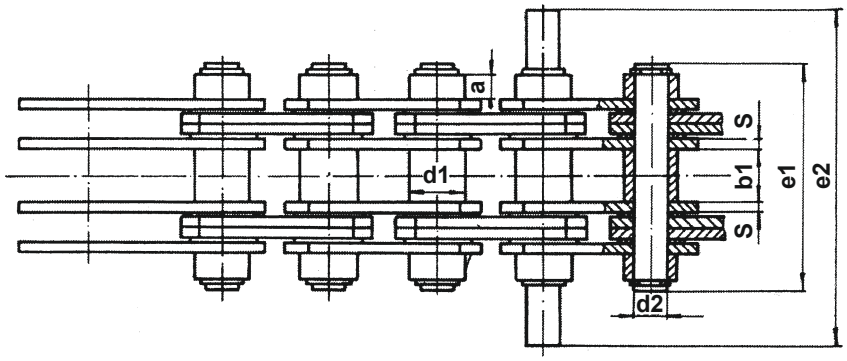




LANCI ZA VODENE BRANE
CHAINS FOR WATER BARRIERS

lanac broj *chain number*	korak *pitch*	unutrašnja širina *between inner plates*	prečnik svornjaka *pin diametar*	prečnik čaure *bush diameter*	dimenzija svornjaka *dimensions of pin*			širina lamele *plate track*	debljina lamele *size of link plate*	dimenzija produženih članaka *dimension of end attachment link*				radno i prekidno opterećenje *work's and break's load*		težina *weight*
	t	$b1_1$	d2	d1	a	e1	e2	g1	S	d2	g2	l1	l2	kN	kN	kg
	mm	min	h9	mm	mm	mm	mm	max	max	mm	mm	mm	mm			
4000	100	25	25	40	20	147	187	50	8	40	70	40	140	100	480	26
4010	100	25	28	40	25	157	207	60	8	45	75	45	140	120	600	30
4030	125	30	30	45	30	188	248	60	10	50	90	50	175	150	720	35
4040	150	40	35	50	35	225	295	70	12	60	100	55	200	200	1000	50
4050	170	50	40	60	40	272	352	80	15	70	120	65	225	300	1440	80
4060	180	50	50	70	40	272	352	100	15	80	140	80	225	400	1800	110
4070	200	60	60	80	50	303	403	120	15	90	160	90	275	500	2150	155
4080	250	70	70	95	55	368	478	140	20	100	180	100	325	750	3350	190
4090	300	80	80	110	60	436	556	150	25	120	210	115	400	1000	4200	250
4100	350	100	90	120	60	540	660	170	35	140	240	130	450	1500	6500	380







VALJKASTI LANCI
ROLLING CHAINS

















M.M. VERIGA DOO

Vaš teret – naša briga

M.M. VERIGA DOO iz Beograda osnovana je 1994. godine kao preduzeće za unutrašnju i spoljašnju trgovinu. Danas je prepoznatljiv dobavljač industrijskih lanaca i opreme za podizanje i pritezanje tereta za kompanije kojima su potrebni kvalitetna, bezbedna i dugotrajna oprema.

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