

**Oprema za gole i izolirane nadzemne
elektroenergetske mreže 10, 20 i 35 kV**

**Equipment for bare and insulated overhead
electroenergetic networks 11, 22 and 35 kV**





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djelatnost Dalekovoda

activities of Dalekovod

DALEKOVOOD d.d. već pola stoljeća projektira i gradi dalekovode i transformatorske stanice, te proizvodi ovjesnu i spojnu opremu, rešetkaste i rasvjetne stupove i drugu metalnu konstrukciju.

Projektiranje:

- niskonaponskih mreža,
- dalekovoda do 500 kV,
- transformatorskih stanica do 500 kV,
- rasvjete prometnica, sportskih terena i drugih objekata,
- stupova za dalekovode, antena, te čeličnih konstrukcija za druge namjene,
- kontaktne mreže za elektrifikaciju željeznica,
- podzemnih i podmorskih elektro-energetskih kabela.

Proizvodnja:

- ovjesne i spojne opreme za dalekovode i transformatorske stanice do 500 kV,
- opreme za kontaktnu mrežu za elektrifikaciju željeznica,
- čelično rešetkastih stupova za dalekovode, antena, portala i postolja aparata u transformatorskim stanicama,
- poligonalnih limenih stupova za rasvjetu prometnica, sportskih objekata, željezničkih stanica i dr.,
- čeličnih konstrukcija raznih namjena,
- čeličnih zaštitnih ograda za cestovne prometnice,
- svih vrsta čeličnih konstrukcija, svih vrsta odljevaka od obojenih metala.

Izgradnja:

- niskonaponskih mreža,
- sredjonaponskih vodova,
- visokonaponskih vodova do 500 kV,
- transformatorskih stanica do 500 kV,
- rasvjete prometnica i tunela,
- polaganje svih vrsta podzemnih i podmorskih kabela,
- montaža antena,
- montaža metalnih konstrukcija raznih namjena,
- montaža kontaktne mreže za elektrifikaciju željeznica,
- montaža odbojne ograde za prometnice,
- montaža opreme za ventilaciju u tunelima,
- montaža opreme za signalizaciju, zaštitu od požara i vatrodjavu na prometnicama kao i opreme za sustav daljinskog upravljanja.

Polustoljetno iskustvo u razvoju, konstrukciji i proizvodnji ovjesne i spojne opreme za dalekovode i transformatorske stanice, te rezultati ispitivanja i iskustvo iz izgradnje i eksploatacije daju jamstvo kvalitete, pouzdanosti i funkcionalnosti opreme u pogonu.

DALEKOVOOD d.d. jedna je od vodećih svjetskih tvrtki za proizvodnju ovjesne i spojne opreme, potpuno izvozno orijentirana, tako da danas oko 80% svojih proizvoda prodaje na međunarodnom tržištu. Proizvodni program ovjesne i spojne opreme te metalnih konstrukcija temelji se na vlastitom istraživanju i unapređenju, tj. DALEKOVOOD d.d. nema nikakvih licencnih obaveza.

Proizvodi koji su obuhvaćeni proizvodnim programom proizvode se u vlastitim proizvodnim pogonima i pri tome se koriste tehnologije kovanja, lijevanja, strojne obrade, varenja, pjeskarenja, cinčanja, plastificiranja, kompletaže i drugo.

DALEKOVOOD d.d. u vlastitim radionicama izrađuje sve potrebne alate, naprave i pomagala koji su potrebni za navedene tehnološke procese. Osiguranje kvalitete je organizirano prema odredbama standarda ISO 9001, a što predstavlja angažiranost svih učesnika procesa rada te svih službi na postizanju kvalitete proizvoda.

For half of century DALEKOVOOD d.d., a joint stock company, has been designing, building and erecting transission lines and substations and has been manufacturing suspension and jointing equipment, steel lattice and lighting towers and other metal structures.

Desing:

- low voltage networks,
- transmission lines up to 500 kV,
- substations up to 500 kV,
- lighting of roads,sport grounds and other facilites,
- transmission line towers, antennas and steel structures for various purposes,
- contact network for railway electrification,
- underground and submarine electro-energetic cables.

Production:

- suspension and jointing equipment for transmission lines and substations up to 500 kV,
- contract network accessories for railway electrification,
- steel lattice towers for transmission lines, antennas, portals and supports of electrical apparatus in substations,
- polygonal and tube poles for lighting of roads,, sport grounds, railway stations, etc.,
- steel shock barriers for roads and highways,
- all type of non-ferrous metal castings.

Building and erection:

- low voltage networks,
- medium voltage transmission lines,
- high voltage transmission lines up to 500 kV,
- substations up to 500 kV,
- road and tunnel lighting,
- laying of all types of underground and submarine cables,
- mounting of antennas,
- mounting of metal structures for various purposes,
- mounting of contact network for roads and highways,
- mounting of contact network for railway electrification,
- mounting of signalization, fire protection and fire alarm equipment on roads as well as remove control equipment.

Our half century long experience in dovlopment, desing and produccion of suspension and jinting equipment, testing results and expseerience from building and service of transmission lines are a quarantee of the quality, reliability and functionality of this equipment. DALEKOVOOD d.d. os today one of the leading worldwide companies in production of suspension and jointing equipment, mainly oriented for export, so that today about 80% of products is assigned for international market.

Production program of suspension and jointing equipment is established on own research, development and improvement, i.e. DALEKOVOOD d.d. has not any licence obligations.

Products from our production program have been manufactured in own production workshops by means of technologies for forging,caasting, mechanical processing, welding, sand blasting, hot dip galvanizing, mounting and other.

DALEKOVOOD d.d. in own production has special tool workshop for production of all tools, devices and facilites witch are necessary for quoted technologies.

Quality assurance has been organized according to ISO 9001 standard regulations and it includes engagement of all participants in the work process as well as all departments to achieve quality assurance.

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Sva potrebna ispitivanja, razvojna, tipska i rutinska i ispitivanja pri tehničkim preuzimanjima izvode se u vlastitim laboratorijima, tj. u elektro-mehaničkom i kemijskom laboratoriju te na ispitnim poligonima.

Ovaj katalog gole nadzemne elektroenergetske mreže 10, 20 i 35 kV predstavlja klasična odnosno tipska rješenja nosnih ovješnja, zateznih i odcjepnih zavješnja te pripadajuću spojnu opremu, koja već desetljećima egzistira u praksi na našim prostorima. Stoga smo glavni naglasak stavili na proizvodnju visokonaponske opreme od visokokvalitetnih materijala, koji ispunjavaju zahtijevanu čvrstoću u hladnom stanju kao i vrlo dobra elektro-korozijiska svojstva.

Katalogom izoliranih nadzemnih elektroenergetskih vodova 10, 20 i 35 kV preferiramo stečena, vrlo pozitivna iskustva razvijenih industrijskih zemalja, koje su u potpunosti istisnule klasičnu srednjenaponsku mrežu s golim vodičima. Prednosti u vrlo visokoj pogonskoj nosivosti, niskim troškovima održavanja, životnog vijeka, te ekološko-estetske pogodnosti uvjetovale su da ovaj tip izoliranih srednjenaponskih mreža dobije vrlo široku primjenu.

DALEKOVOD d.d. ima dugogodišnje iskustvo u projektiranju i izgradnji izoliranih nadzemnih elektroenergetskih mreža, a jednako tako i u razvoju i proizvodnji opreme za ovaj tip mreže.

Za ovjesnu i spojnu opremu koja nije obuhvaćena katalogom potrebno je dostaviti zahtjev s odgovarajućom tehničkom dokumentacijom, a na temelju koje se mogu izraditi nacrti i ponude zahtijevane opreme.

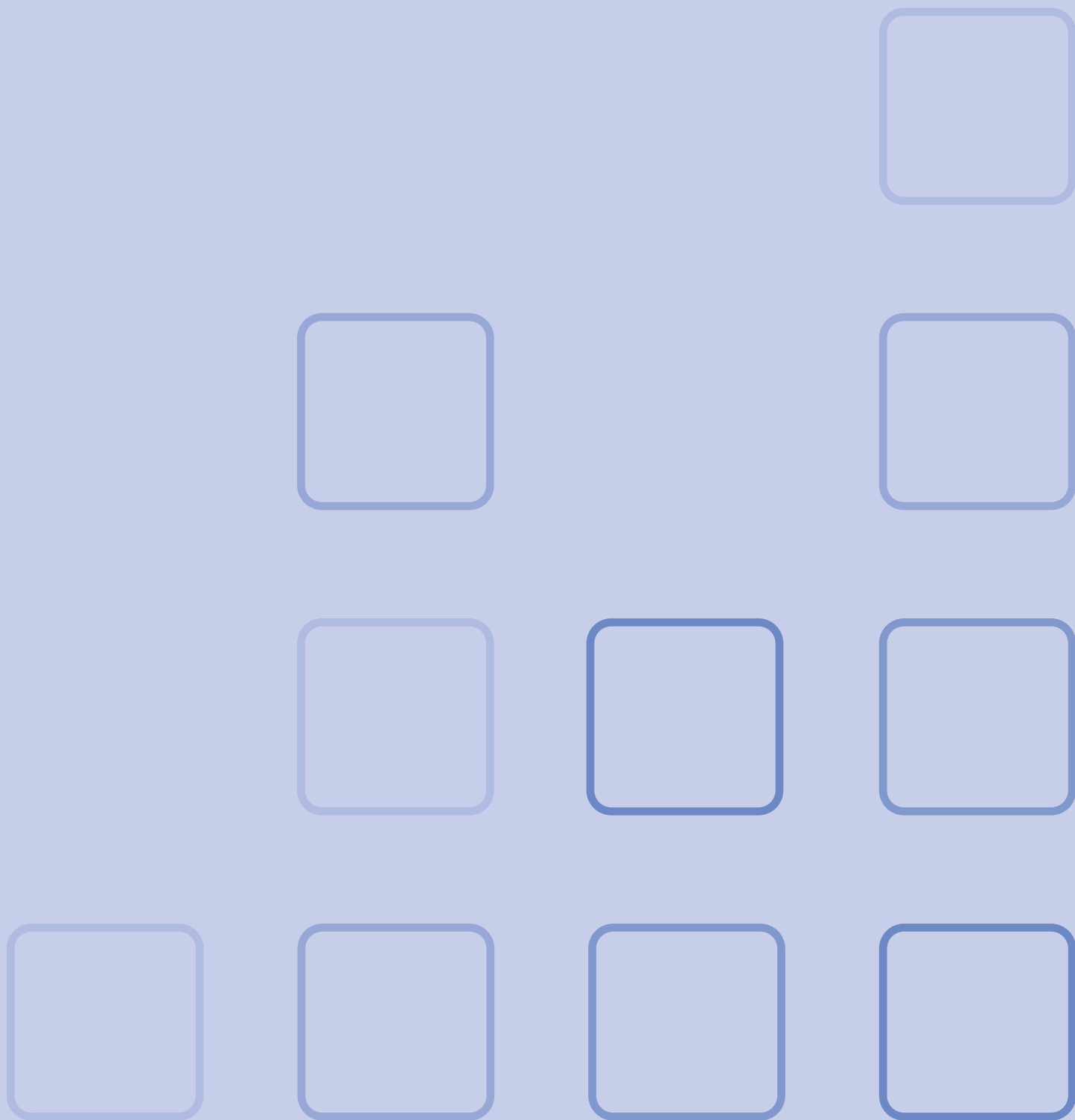
All necessary testing, developing, type, routine and testing at technical acceptance are carried out in electro-mechanical and chemical laboratories and testing fields.

This catalogue of bare overhead electroenergetic networks 10, 20 and 35 kV represents classic or typical solutions for suspension, tension and branch sets with appertaining jointing equipment, which exist in their area for many years. Therefore we have put more accent on the production of high voltage accessories, made of high quality material, which fulfill requirement for proof material in the cold state and also have very good electro-corrosion characteristics. Catalogue of insulated overhead electroenergetic networks 10, 20 and 35 kV implements very positive experiences of developed industrial countries which completely squeezed out classic middle voltage networks with bare conductors.

The advantages in very high working capacities, low cost maintenance in the life period and implementation of ecological-aesthetic values which are condition for that type insulated middle voltage networks in order to get wide appreciation.

DALEKOVOD d.d. has a long-time experience in designing, building and erection of insulated overhead electroenergetic network, and also in development for this type of network.

For suspension and jointing equipment which are stated in this catalogue it is necessary to send an inquiry with relevant technical documentation as the base for preparation of drawings and complete offer.



oprema za gole nadzemne elektroenergetske mreže
10, 20 i 35 kV na drvenim stupovima TIP I

[equipment for bare overhead electroenergetic networks
11, 22 and 35 kV at the wooden poles TYPE I]

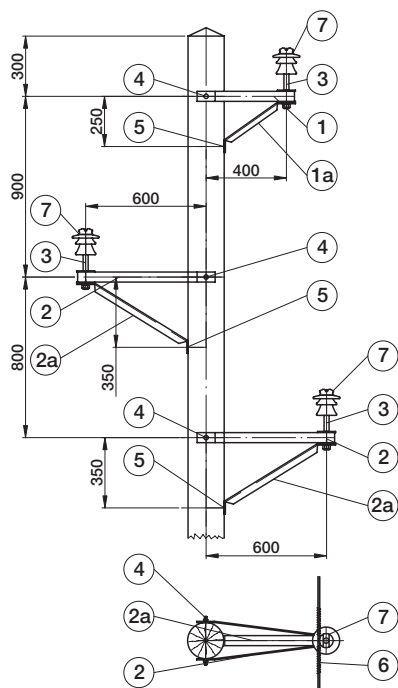
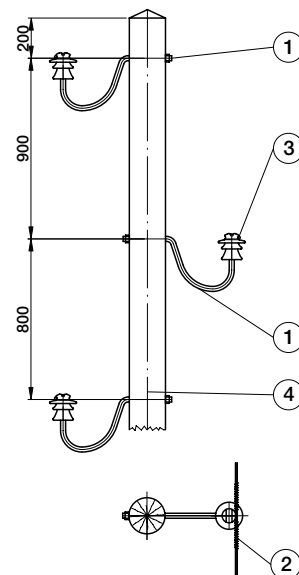
1

1

nosni drveni stup sa savinutim nosačima za potporne izolatore

suspension wooden pole with bent pins for post insulators

poz. [item]	kom. [pcs]	naziv dijela [description]	str. [pgs]
1	3	savinuti nosač [bent pin]	99
2	3	preformirani vez [preformed tie]	112
3	3	potporni izolator VHD 20 [post insulator VHD 20]	
4	1	drveni stup [wooden pole]	



nosni drveni stup sa čeličnim konzolama za potporne izolatore

suspension wooden pole with steel armbraces for post insulators

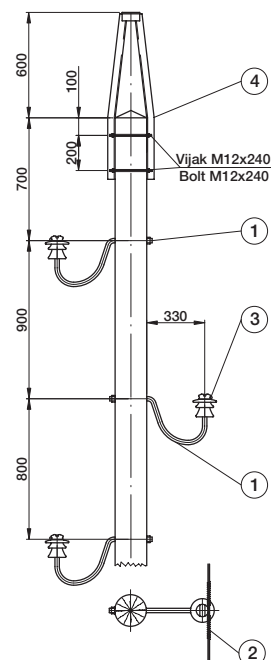
poz. [item]	kom. [pcs]	naziv dijela [description]	str. [pgs]
1	1	konzola ČKn400 [arm brace ČKn400]	18
1a	1	podupora konzole ČPL 350 [strut ČPL 350]	18
2	2	konzola ČKn600 [arm brace ČKn600]	18
2a	2	podupora konzole ČPL 560 [strut ČPL560]	18
3	3	nosač potpornog izolatora [insulator pin]	102
4	3	dvostruki vijak M12x240 [double bolt M12x240]	169
5	3	vijak za drvo 12x80 [wooden bolt 12x80]	199
6	3	preformirani vez [preformed tie]	112
7	3	potporni izolator VHD 20 [post insulator VHD 20]	

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nosni drveni stup sa savinutim nosačima za potporne izolatore i nosačem za zaštitno uže

suspension wooden pole with bent pins for post insulators and support for earthing wire

poz. [item]	kom. [pcs]	naziv dijela [description]	str. [pgs]
1	3	savinuti nosač [bent pin]	99
2	3	preformirani vez [preformed tie]	112
3	3	potporni izolator VHD 20 [post insulator VHD 20]	
4	1	nosač zaštitnog užeta ČNst [support earth wire]	28

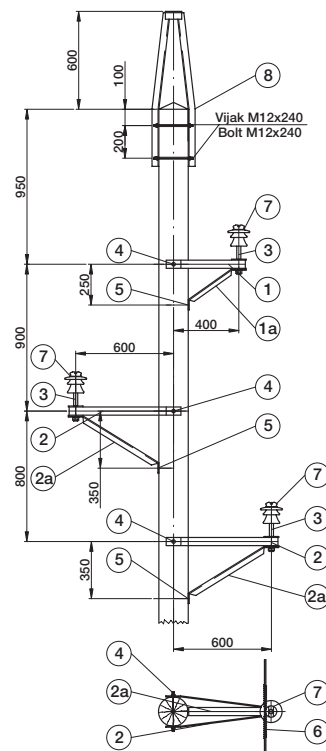
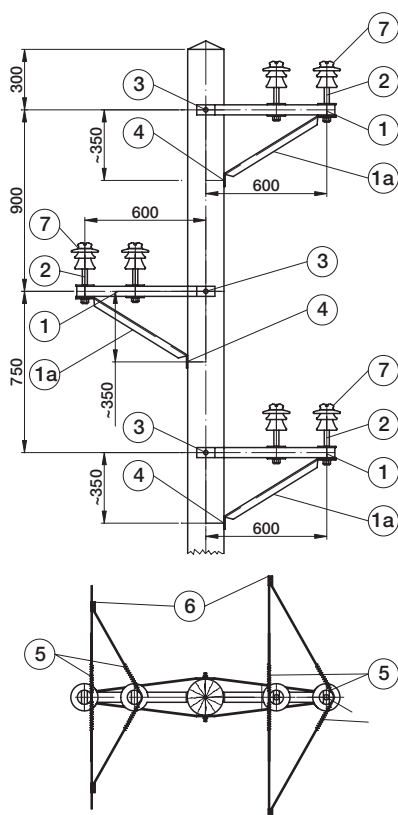


2

nosni drveni stup sa čeličnim konzolama za potporni izolator i nosačem za zaštitno uže

suspension wooden pole with steel armbraces for post insulator and support for earthing wire

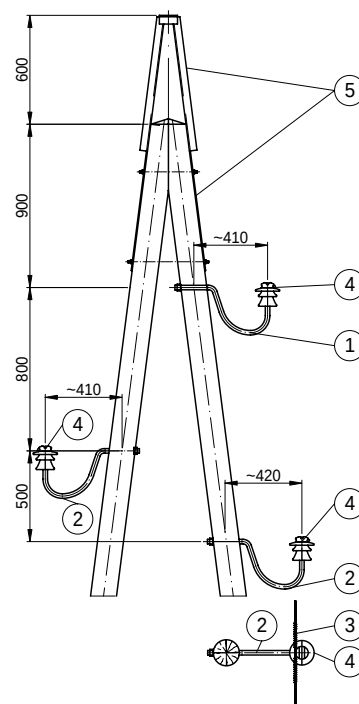
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	konzola ČKn400 [arm brace ČKn400]	18
1a	1	podupora ČPL 350 [strut ČPL 350]	18
2	2	konzola ČKn600 [arm brace ČKn600]	18
2a	2	podupora ČPL 560 [strut ČPL 560]	18
3	3	nosač potpornog izolatora [insulator pin]	102
4	3	dvostruki vijak M12x240 [double bolt M12x240]	169
5	3	vijak za drvo 12x80 [wooden bolt 12x80]	199
6	3	preformirani vez [preformed tie]	112
7	3	potporni izolator VHD 20 [post insulator VHD 20]	
8	1	nosač zaštitnog užeta ČNst [support earth wire ČNst]	28



nosni drveni stup sa dvostrukim vješanjem na čeličnim konzolama za potporne izolatore

suspension pole with steel arm braces for double attachmets post insulator

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	3	konzola ČKn600 [arm brace ČKn600]	18
1a	3	podupora ČPL 560 [strut ČPL 560]	18
2	6	nosač potpornog izolatora [insulator pin]	102
3	3	dvostruki vijak M12x240 [double bolt M12x240]	169
4	3	vijak za drvo ili dvostruki vijak M12x240 [wooden bolt or double bolt M12x240]	199
5	6	preformirani vez [preformed tie]	112
6	6	strujna stezaljka [parallel groove clamp]	167
6	6	potporni izolator VHD 20 [post insulator VHD 20]	



nosni drveni A-stup sa savinutim nosačem za potporne izolatore

suspension angle pole with bent pin for post insulators

poz. kom. opis str.

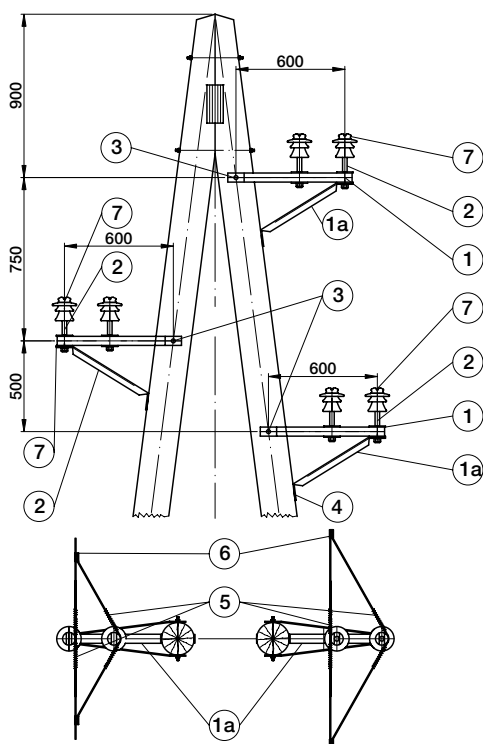
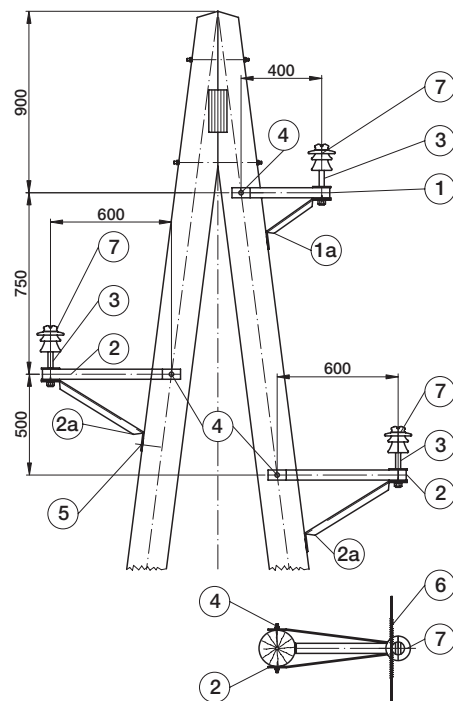
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	savinuti nosač [bent pin]	99
2	2	savinuti nosač [bent pin]	98
3	3	preformirani vez [preformed tie]	112
4	3	potporni izolator [post insulator]	
5	1	nosač zaštitnog užeta ČNAst [support for earth wire ČNAst]	28

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nosni drveni A-stup s čeličnim konzolama za potporne izolatore

suspension angle pole with steel arm braces for post insulators

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	konzola ČKn400 [arm brace ČKn400]	18
1a	1	podupora ČPL 350 [strut ČPL 350]	18
2	2	konzola ČKn 600 [arm brace ČKn600]	18
2a	2	podupora ČPL 560 [strut ČPL 560]	18
3	3	nosač potpornog izolatora [insulator pin]	102
4	3	dvostruki vijak M12x240 [double bolt M12x240]	169
5	3	vijak za drvo ili dvostruki vijak M12 [wooden bolt or double bolt M12]	199
6	3	preformirani vez [preformed tie]	114
7	3	potporni izolator VHD 20 [post insulator VHD 20]	



nosni drveni A-stup s čeličnim konzolama za dvostruko ovješnje potpornih izolatora

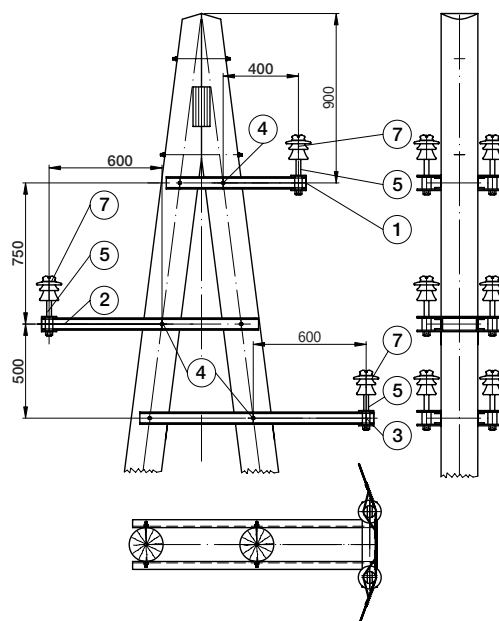
suspension angle pole with steel armbraces for double attachments for post insulators

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	3	konzola ČKn 600 [arm brace ČKn 600]	18
1a	3	podupora ČPL 560 [strut ČPL 560]	18
2	6	nosač potpornog izolatora [insulator pin]	102
3	3	dvostruki vijak M12 [double bolt M12]	169
4	3	vijak za drvo ili dvostruki vijak M20 [wooden bolt or double bolt M20]	199
5	6	preformirani vez [preformed tie]	116
6	6	strujna stezaljka [parallel groove clamp]	167
7	6	potporni izolator [post insulator]	

kutni nosni A-stup s čeličnim konzolama za potporne izolatore i promjenu smjera

suspension angle A-pole with steel armbraces for post insulator and line direction change

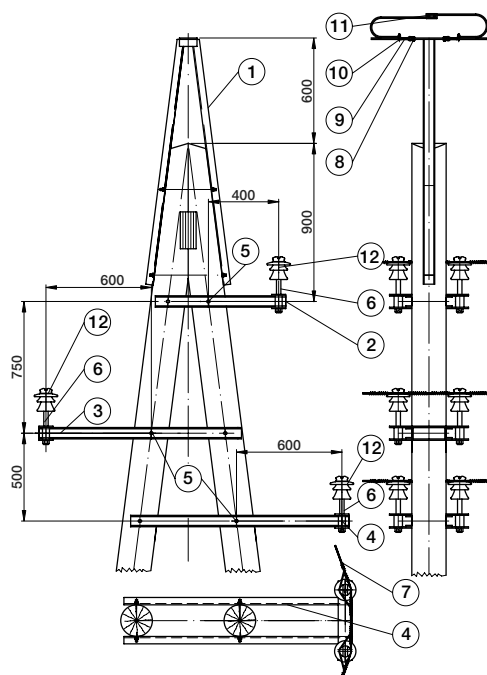
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	konzola ČKk240 [arm brace ČKk240]	19
2	1	konzola ČKk450 [arm brace ČKk450]	19
3	1	konzola ČKk570 [arm brace ČKk570]	18
4	6	dvostruki vijak M12x240 [double bolt M12x240]	169
5	6	nosač potpornog izolatora [insulator pin]	102
6	6	preformirani vez [preformed tie]	117
7	6	potporni izolator [post insulator]	



kutni nosni A-stup s čeličnim konzolama za potporne izolatore i promjenu smjera

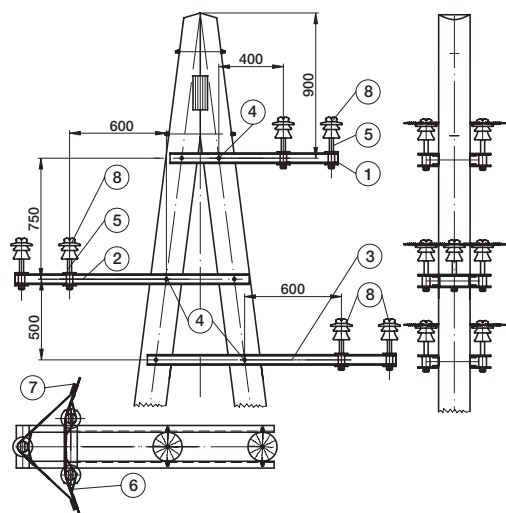
suspension angle A-pole with steel arm braces for post insulator and line direction change

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	nosač zaštitnog užeta ČKst [support for earthwire]	28
2	1	konzola ČKk240 [arm brace ČKk240]	19
3	1	konzola ČKk450 [arm brace ČKk450]	19
4	1	konzola ČKk570 [arm brace ČKk570]	18
5	6	dvostruki vijak M12x240 [double bolt M12x240]	169
6	6	nosač potpornog izolatora [insulator pin]	102
7	6	preformirani vez [preformed tie]	117
8	2	škopac [shackle]	134
9	2	uška [thimble]	144
10	4	u-vijčana stezaljka [tap connector]	144
11	1	strujna stezaljka [parallel groove clamp]	167
12	6	potporni izolator [post insulator]	



kutni nosni a-drveni stup s čeličnim konzolama za potporni izolator i promjenu smjera

suspension angle A-pole with steel arm braces for post insulator and line direction change

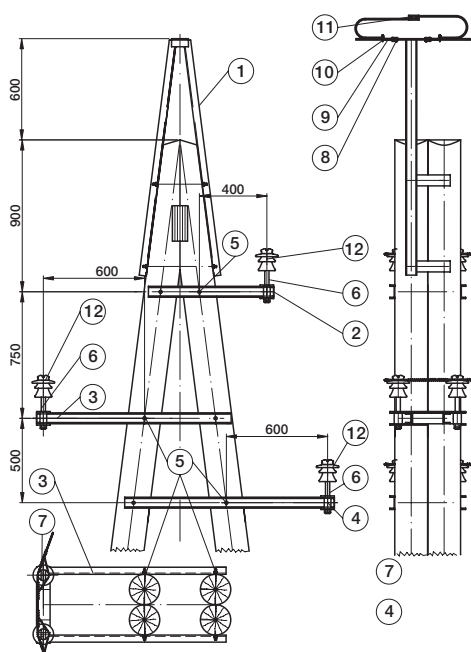


poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	konzola ČKk240 [arm brace ČKk240]	19
2	1	konzola ČKk450 [arm brace ČKk450]	19
3	1	konzola ČKk570 [arm brace ČKk570]	18
4	6	dvostruki vijak M12x240 [double bolt M12x240]	169
5	9	nosač potpornog izolatora [insulator pin]	102
6	9	preformirani vez [preformed tie]	117
7	6	strujna stezaljka [parallel groove clamp]	167
8	9	potporni izolator [post insulator]	

kutni dupli nosni a-drveni stup s čeličnim konzolama za potporni izolator i promjenu smjera

double suspension angle A-pole with steel arm braces for post insulator and line direction change

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	nosač zaštitnog užeta ČKst [support for earthwire]	28
2	1	konzola ČKk240 [arm brace ČKk240]	19
3	1	konzola ČKk450 [arm brace ČKk450]	19
4	1	konzola ČKk570 [arm brace ČKk570]	18
5	6	dvostruki vijak M12x380 [double bolt M12x380]	169
6	6	nosač potpornog izolatora [insulator pin]	102
7	6	preformirani vez [preformed tie]	117
8	2	škopac [shackle]	134
9	2	uška [thimble]	144
10	4	u-vijčana stezaljka [tap connector]	144
11	1	strujna stezaljka [parallel groove clamp]	167
12	6	potporni izolator [post insulator]	

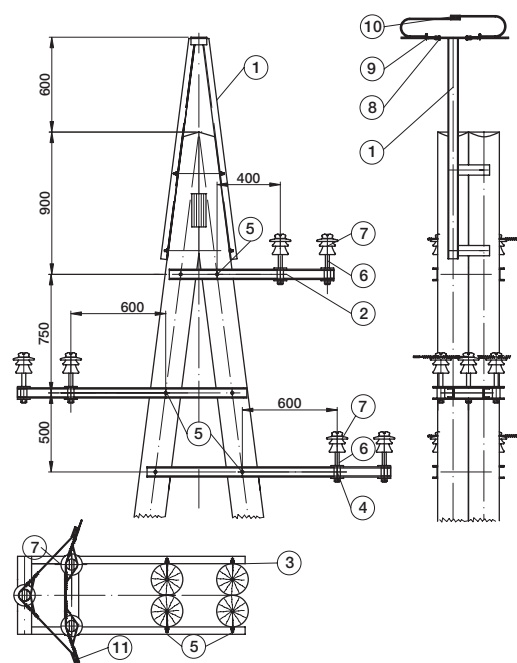
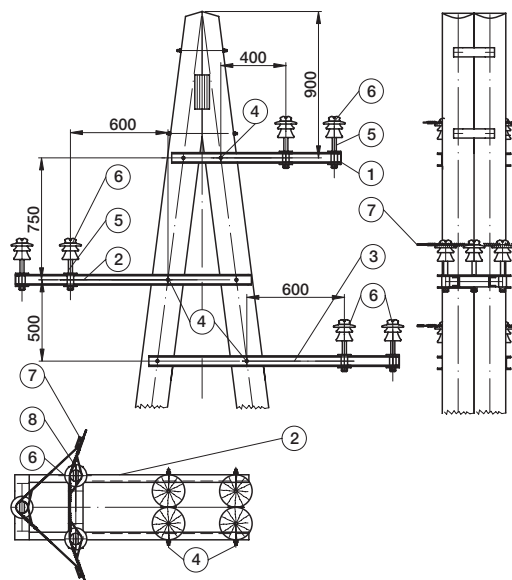


1

kutni dupli nosni a-drveni stup s čeličnim konzolama za potporne izolatore

double suspension angle a-wooden pole with steel arm braces for post insulators

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	konzola ČKk240 [arm brace ČKk240]	19
2	1	konzola ČKk450 [arm brace ČKk450]	19
3	1	konzola ČKk570 [arm brace ČKk570]	18
4	6	dvostruki vijak M12x380 [double bolt M12x380]	169
5	9	nosač potpornog izolatora [insulator pin]	102
6	9	izolator VHD 20 [insulator]	
7	6	strujna stezaljka [parallel groove clamp]	167
8	9	preformirani vez [preformed tie]	114



kutni dupli nosni a-drveni stup s čeličnim konzolama za potporne izolatore

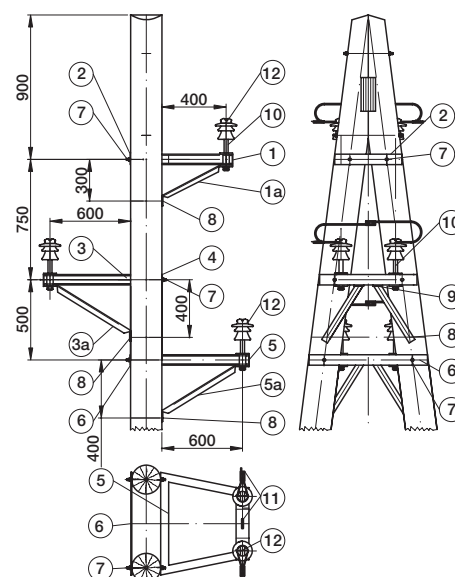
double suspension angle a-wooden pole with steel arm braces for post insulators

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	nosač zaštitnog užeta ČKst [support for earthwire]	28
2	1	konzola ČKk240 [arm brace ČKk240]	19
3	1	konzola ČKk450 [arm brace ČKk450]	19
4	1	konzola ČKk570 [arm brace ČKk570]	18
5	6	dvostruki vijak M12x380 [double bolt M12x380]	169
6	9	nosač potpornog izolatora [insulator]	102
7	9	izolator [post insulator]	
8	2	c-stremen [c- shackle]	90
9	4	u-vijčana stezaljka [tap connector]	144
10	1	strujna stezaljka [parallel groove clamp]	167
11	2	završna stezaljka [dead-end clamp]	154

nosni rasteretni A-stup s čeličnim konzolama za potporne izolatore

suspension non reinforced A-pole with steel arm braces for post insulators

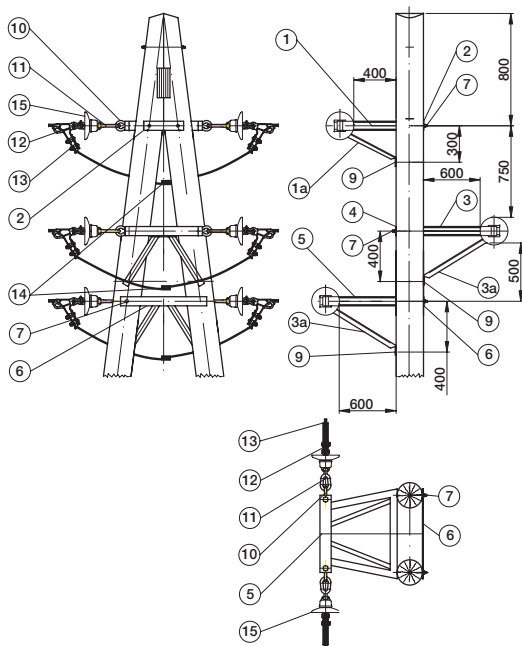
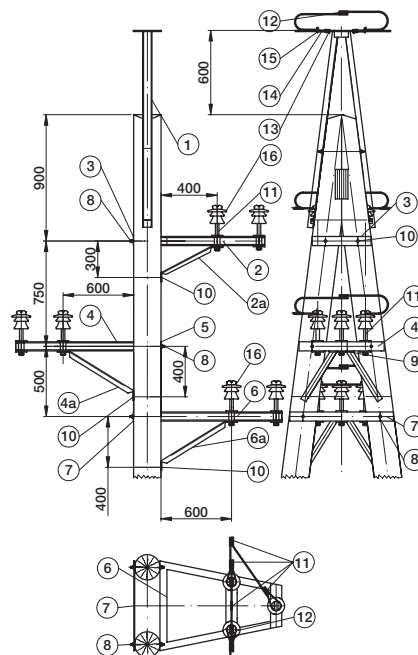
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	konzola ČKr240 [arm brace ČKr240]	21
1a	1	potpora ČP 430 [strut ČP 430]	23
2	1	produžnik ČRz240 [extension link ČRz240]	23
3	1	konzola ČKr450 [arm brace ČKr450]	21
3a	1	podupora ČP 690 [strut ČP 690]	21
4	1	produžnik ČRz450 [extension link ČRz450]	21
5	1	konzola ČKr570 [arm brace ČKr570]	20
5a	1	podupora ČP 690 [strut ČP 690]	21
6	1	produžnik ČRz570 [extension link ČRz570]	21
7	6	dvostruki vijak M12x240 [double bolt M12x240]	169
8	6	vijak za drvo M12x80 [wooden bolt M12x80]	199
9	6	vijak za nosač M12x35 [bolt for support M12x35]	
10	6	nosač potpornog izolatora [insulator pin]	102
11	6	preformirani vez [preformed tie]	112
12	6	izolator [insulator]	



nosni stup s čeličnim konzolama za potporne izolatore

suspension angle pole with steel arm braces for post insulator

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	nosač zaštitnog užeta ČRst [support for earth wire]	28
2	1	konzola ČKrd240 [arm brace ČKrd240]	23
2a	1	podupora ČP 430 [strut ČP 430]	22
3	1	produžnik ČRz240 [extension link ČRz240]	23
4	1	konzola ČKrd450 [arm brace ČKrd450]	22
4a	1	podupora ČP 690 [strut ČP 690]	21
5	1	produžnik ČRz450 [extension link ČRz450]	21
6	1	konzola ČKrd570 [arm brace ČKrd570]	22
6a	1	podupora ČP 690 [strut ČP 690]	21
7	1	produžnik ČRz570 [extension link ČRz570]	21
8	6	dvostruki vijak M12x240 [double bolt M12x 240]	169
9	6	vijak za nosač M12x35 [bolt for support M12x35]	
10	6	vijak za drvo M12x80 [wooden bolt M12x80]	199
11	9	nosač potpornog izolatora [insulator pin]	102
12	18	strujna stezaljka [parallel groove clamp]	167
13	2	škopac [shackle]	134
14	2	uška [thimble]	144
15	4	u-vijčana stezaljka [tap connector]	144



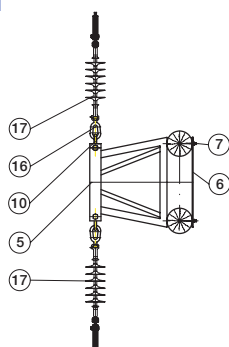
zatezni rasteretni drveni A-stup s čeličnim konzolama za jednostruke zatezne lance 10 kV

tension non reinforced wooden A-pole with steel arm brace for single tension sets 10 kV

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	konzola 220 ČKr220 [arm brace ČKr220]	24
1a	2	podupora ČP 430 [strut ČP 430]	24
2	1	produžnik-rasteretna veza ČRz220 [extension link ČRz220]	24
3	1	konzola 420 ČKr420 [arm brace ČKr420]	24
3a	4	podupora ČP 690 [strut ČP 690]	25
4	1	produžnik-rasteretna veza ČRz420 [extension link ČRz420]	25
5	1	konzola 540 ČKr540 [arm brace ČKr540]	25
6	1	produžnik-rasteretna veza ČRz540 [extension link ČRz540]	25
7	6	dvostruki vijak M12x240 [double bolt M12x240]	169
8	6	vijak za nosač M12x35 [bolt for support M12x35]	
9	6	vijak za drvo M12x80 [wooden bolt M12x80]	199
10	6	zastavica [hinge]	135
11	6	batič s očkom IEC16 ili IEC11 [ball tongue]	136
12	6	zdjelica s očkom IEC16 ili IEC11 [socket tongue]	139
13	6	zatezna vijčana stezaljka [tension bolted clamp]	140
14	3	strujna stezaljka [parallel groove clamp]	167
15	6	kapasti izolator [disc insulator]	
16	12	batič s očkom IEC11 ili IEC16 [ball tongue]	136
17	6	štapni izolator [rod insulator]	

varijanta s kompozitnim izolatorima
zglobna veza
IEC120/11 ili IEC120/16

variant with composite insulators
coupling size
IEC120/11 or IEC120/16

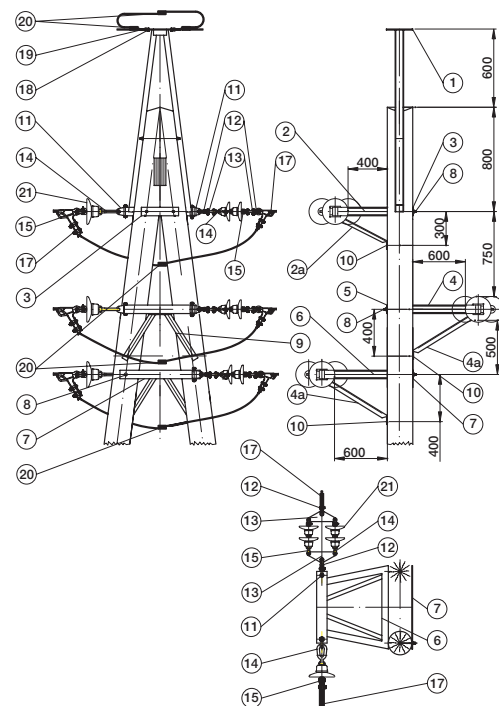


1

zatezni rasteretni drveni A-stup s čeličnim konzolama za jednostruke i dvostruke zatezne lance 10 kV i 20 kV

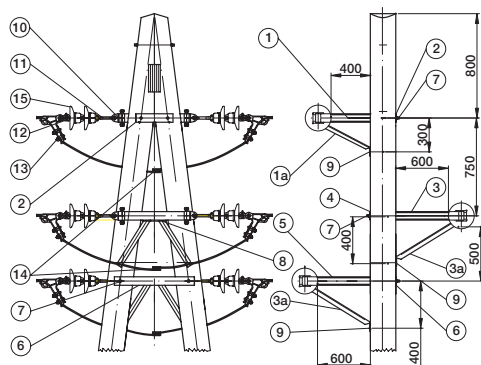
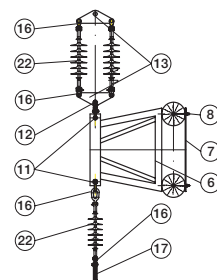
tension non reinforced wooden A-pole with steel arm brace for single and double tension sets 10 kV and 20 kV

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	nosač ČRst [strap ČRst]	28
2	1	konzola 220 ČKr220 [arm brace ČKr220]	24
2a	2	podupora ČP 430 [strut ČP 430]	24
3	1	produžnik ČRz220 [extension link ČRz220]	24
4	4	konzola 420 ČKr420 [arm brace ČKr420]	24
4a	1	podupora ČP 690 [strut ČP 690]	25
5	1	produžnik ČRz420 [extension link ČRz420]	25
6	1	konzola 540 ČKr540 [arm brace ČKr540]	25
7	1	produžnik ČRz540 [extension link ČRz540]	25
8	6	dvostruki vijak M12x240 [double bolt M12x240]	169
9	6	vijak za nosač M12x35 [bolt for support M12x35]	
10	6	vijak za drvo M12x80 [wooden bolt M12x80]	199
11	6	zastavica [hinge]	135
12	6	dvostruka očka [double tongue]	135
13	6	odstojnik [yoke]	139
14	9	batić s očkom 16 [ball tongue 16]	136
15	9	zdjelica s očkom 16 [socket tongue 16]	139
16	18	batić s očkom 11 [ball tongue 11]	136
17	6	zatezna vijčana stezaljka [tension bolted clamp]	140
18	2	škopac [shackle]	134
19	2	uška [thimble]	135
20	6	strujna stezaljka [parallel groove clamp]	167
21	15	kapasti izolator [disc insulator]	
22	9	štapni izolator [rod insulator]	



varijanta s kompozitnim izolatorima zglobna veza IEC120/11 ili IEC120/16

variant with composite insulators coupling size IEC120/11 or IEC120/16



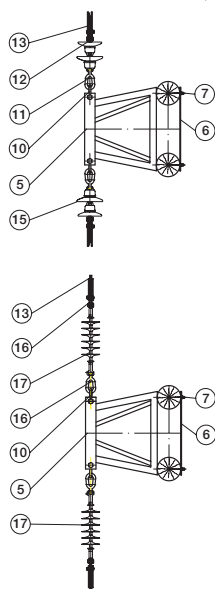
zatezni rasteretni drveni A-stup s čeličnim konzolama za jednostruke zatezne lance 20 kV

tension non reinforced wooden A-pole with steel arm brace for single tension sets 20 kV

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	konzola 220 ČKr220 [arm brace ČKr220]	24
1a	2	podupora ČP 430 [strut ČP 430]	24
2	1	produžnik ČRz220 [extension link ČRz220]	24
3	1	konzola 420 ČKr420 [arm brace ČKr420]	24
3a	4	podupora ČP 690 [strut ČP 690]	25
4	1	produžnik ČRz420 [extension link ČRz420]	25
5	1	konzola 540 ČKr540 [arm brace ČKr540]	25
6	1	produžnik ČRz540 [extension link ČRz540]	25
7	6	dvostruki vijak M12x240 [double bolt M12x240]	169
8	6	vijak za nosač M12x35 [bolt for support M12x35]	
9	6	vijak za drvo M12x80 [wooden bolt M12x80]	199
10	6	zastavica [hinge]	135
11	6	batić s očkom 16 [ball tongue]	136
12	6	zdjelica s očkom 16 [socket tongue]	139
13	6	zatezna vijčana stezaljka [tension bolted clamp]	140
14	3	strujna stezaljka [parallel groove clamp]	167
15	12	kapasti izolator [disc insulator]	
16	12	batić s očkom 11 [ball tongue]	136
17	6	štapni izolator [rod insulator]	

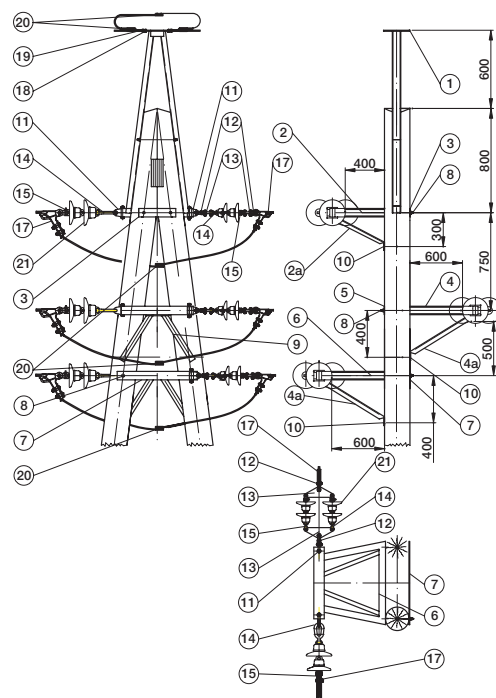
varijanta s kompozitnim izolatorima zglobna veza IEC120/11 ili IEC120/16

variant with composite insulators coupling size IEC120/11 or IEC120/16



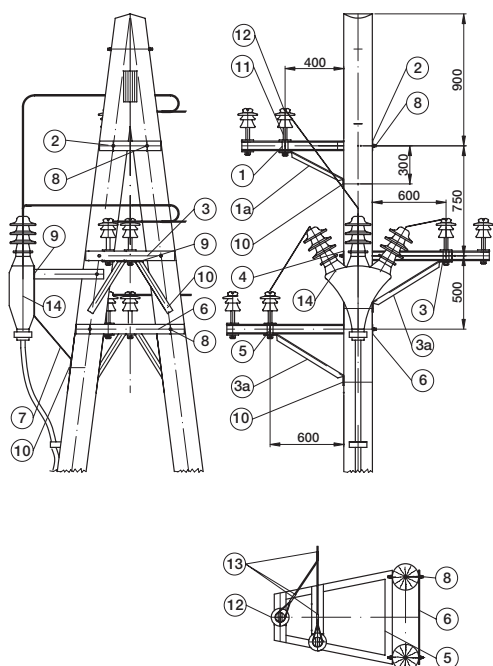
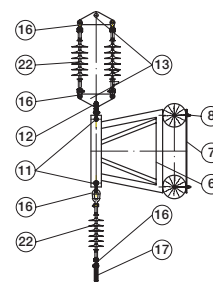
tension non reinforced wooden A-pole with steel arm brace for single and double tension sets 20 kV

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	nosač ČR st [strap ČRst]	28
2	1	konzola 220 ČKr220 [arm brace ČKr220]	24
2a	2	podupora ČP 430 [strut ČP 430]	24
3	1	produžnik ČRz220 [extension link ČRz220]	24
4	1	konzola 420 ČKr420 [arm brace ČKr420]	24
4a	4	podupora ČP 690 [strut ČP 690]	25
5	1	produžnik ČRz420 [extension link ČRz420]	25
6	1	konzola 540 ČKr540 [arm brace ČKr540]	25
7	1	produžnik ČRz540 [extension link ČRz540]	25
8	6	dvostruki vijak M12x240 [double bolt M12x240]	169
9	6	vijak za nosač M12x35 [bolt for support M12x35]	
10	6	vijak za drvo M12x80 [wooden bolt M12x80]	199
11	6	zastavica [hinge]	135
12	6	dvostruka očka [duble tongue]	135
13	6	odstojnik [yoke]	139
14	9	bač s očkom 16 [ball tongue16]	136
15	9	zđjelica s očkom 16 [socket tongue 16]	139
16	18	bač s očkom 11 [ball tongue 11]	136
17	6	zatezna vijčana stezaljka [tension bolted clamp]	140
18	2	škopac [shackle]	134
19	2	uška [thimble]	135
20	6	strujna stezaljka [parallel groove clamp]	167
21	15	kapasti izolator [disc insulator]	
22	9	štapni izolator [rod insulator]	



varijanta s
kompozitnim
izolatorima zglobova
veza IEC120/11

variant with composite
insulators coupling
size IEC120/11



odcjepni drveni A-stup s čeličnim konzolama za potporne izolatore i kablsku glavu

branch wooden A-pole with steel arm braces for post insulators and cable head

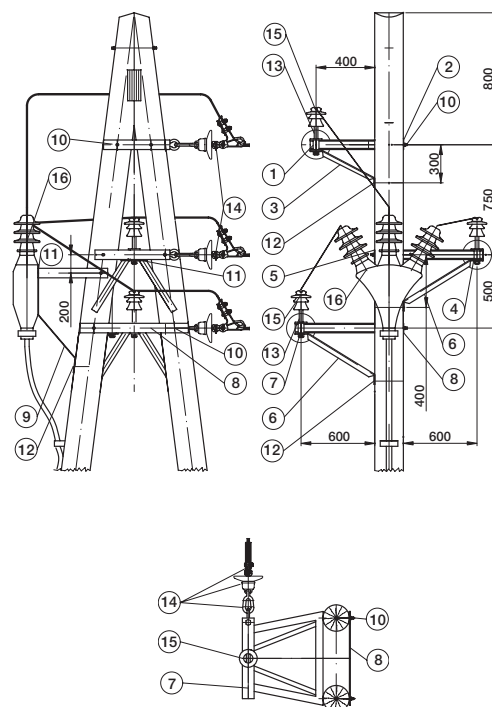
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	konzola ČKrd240 [arm brace ČKrd240]	23
1a	2	podupora ČP 430 [strut ČP 430]	23
2	1	produžnik ČRz240 [extension link ČRz240]	23
3	1	konzola ČKrd 450 [arm brace ČKrd 450]	22
3a	4	podupora ČP 690 [strut ČP 690]	21
4	1	produžnik ČRz450 [extension link ČRz450]	21
5	1	konzola ČKrd 570 [arm brace ČKrd 570]	22
6	1	produžnik ČRz570 [extension link ČRz570]	21
7	1	nosač kabelaške glave ČN kg20 [cable head strap ČN kg20]	28
8	7	vijak M12x240 [bolt M12x240]	169
9	6	vijak za nosač M12x35 [bolt for support M12x35]	
10	7	vijak za drvo M12x80 [wooden bolt M12x80]	199
11	6	nosač potpornog izolatora [pin insulator]	102
12	6	potporni izolator [post insulator]	
13	9	završna stezaljka [dead-end clamp]	154
14	1	kabelaška glava [cable head]	

1

odcjepni drveni A-stup s čeličnim konzolama za potporne izolatore, kablsku glavu i zatezne izolatorske lance

branch wooden A-pole with steel arm braces for post insulators, cable head and tension insulator strings

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	konzola ČKz220 [arm brace ČKz220]	25
2	1	produžnik ČRz220 [extension link ČRz220]	25
3	2	podupora ČP 430 [strut ČP 430]	26
4	1	konzola ČKz420 [arm brace ČKz420]	25
5	1	produžnik ČRz420 [extension link ČRz420]	25
6	4	podupora ČP 690 [strut ČP 690]	25
7	1	konzola ČKz 540 [arm brace ČKz 540]	24
8	1	produžnik ČRz 540 [extension link ČRz540]	25
9	1	nosač kablске glave ČN kg20 [support cable head]	28
10	7	vijak M12x240 [bolt M12x240]	169
11	6	vijak za nosač M12x35 [bolt for support M12x35]	
12	7	vijak za drvo M12x80 [wooden bolt M12x80]	199
13	3	nosač potpornog izolatora [pin insulator]	102
14	6	jednostruki zatezni izol. lanac-komp. [single tension string-complete]	120
15	3	potporni izolator [post insulator]	
16	1	kablска glava [cable head]	



1a

2

2a

3

3a

4

5

5a

6

6a

6b

7

8

9

10

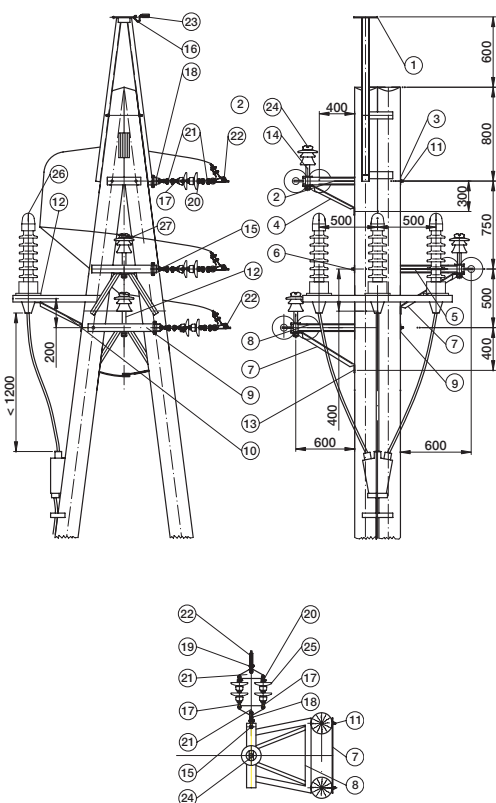
11

12

10

dupli drveni A-stup s čeličnim konzolama za potporne izolatore, kablске glave i zatezne izolatorske lance 20 kV

double wooden A-pole with steel arm brace for post insulators, and tension insulator strings to 20 kV

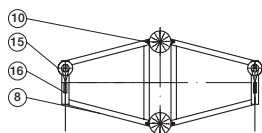
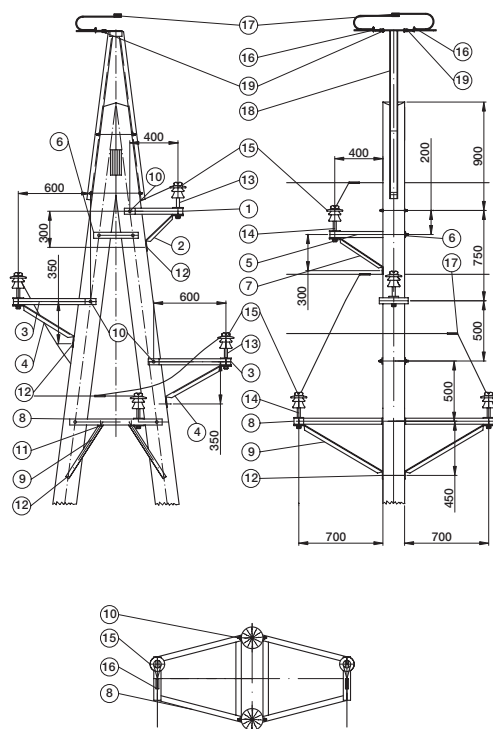
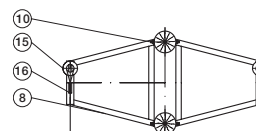
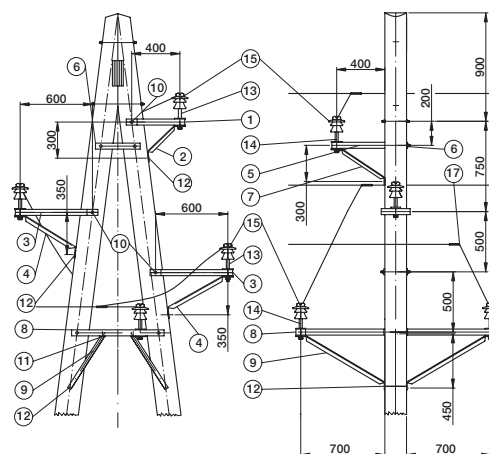


poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	nosač zaštitnog užeta ČRst [support for earth wire ČRst]	28
2	1	konzola ČKz220 [arm brace ČKz220]	25
3	1	produžnik ČRz220 [extension link ČRz220]	25
4	2	podupora ČP 430 [strut ČP 430]	25
5	1	konzola ČKz220 [arm brace ČKz220]	25
6	1	produžnik-(rasteretna veza) ČRz420 [extension link ČRz420]	25
7	4	podupora ČP 690 [strut ČP 690]	25
8	1	konzola ČKr540 [arm brace ČKr540]	25
9	1	produžnik-(rasteretna veza) ČRz540 [extension link ČRz540]	25
10	1	nosač kablске glave ČND [support ČND]	28
11	7	vijak M12x380 [bolt M12x380]	169
12	18	vijak za nosač M12x35 [bolt for support M12x35]	
13	8	vijak za drvo M12x80 [wooden bolt M12x80]	199
14	3	nosač potpornog izolatora [support post insulator]	102
15	3	c-stremen [c-bolts]	90
16	1	c-stremen (OU 18) [c-bolts]	90
17	6	batić s očkom [ball tongue]	136
18	3	karika [eye]	136
19	3	zaokrenuta očka [double tongue-twisted]	135
20	6	zđjelica s očkom [socket tongue]	139
21	6	odstojnik [yoke]	139
22	3	zatezna vijčana stezaljka [tension bolted clamp]	140
23	1	završna stezaljka [dead-end clamp]	154
24	3	potporni izolator VHD 20 [post insulator]	
25	12	kapasti izolator [insulator 170/280]	
26	3	kablска glava [cable head]	
27	3	preformirani vez [preformed tie]	

nosni ocjepni drveni A-stup s čeličnim konzolama potpornim izolatorima

suspension branch wooden A-pole with steel arm braces and post insulators

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	konzola ČKn400 [arm brace ČKn400]	18
2	1	podupora ČPL 350 [strut ČPL 350]	18
3	2	konzola ČKn600 [arm brace ČKn600]	18
4	2	podupora ČPL 560 [strut ČPL 560]	18
5	1	konzola ČKo290 [arm brace ČKo290]	26
6	1	produžnik [extension links]	26
7	2	podupora ČP450 [strut ČP450]	26
8	2	konzola ČKo700 [arm brace ČKo700]	26
9	4	podupora ČP800 [strut ČP800]	26
10	7	vijak M12x240 [bolt M12x240]	169
11	6	vijak M12x35 [bolt M12x35]	
12	9	vijak za drvo 12x80 [wooden bolt 12x80]	199
13	3	nosač potpornog izolatora [insulator pin]	102
14	3	nosač potpornog izolatora [insulator pin]	102
15	6	potporni izolator [post insulator]	
16	3	završna stezaljka [dead-end clamp]	154
17	3	strujna stezaljka [parallel clamp]	



nosno ocjepni drveni A-stup s čeličnim konzolama potpornim izolatorima

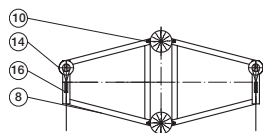
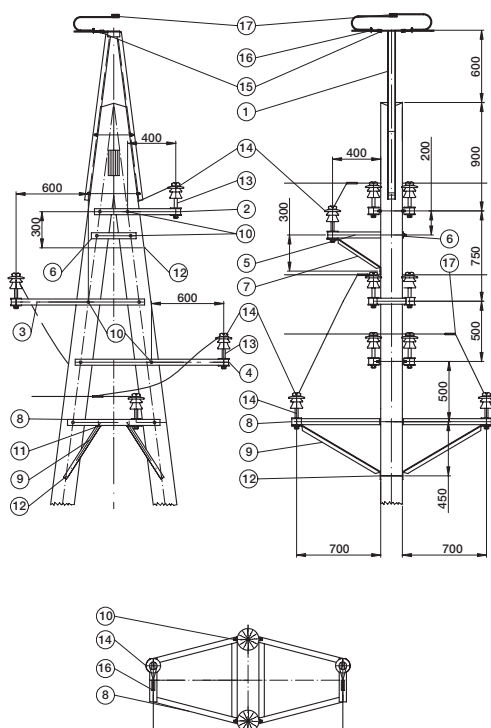
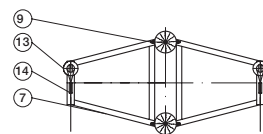
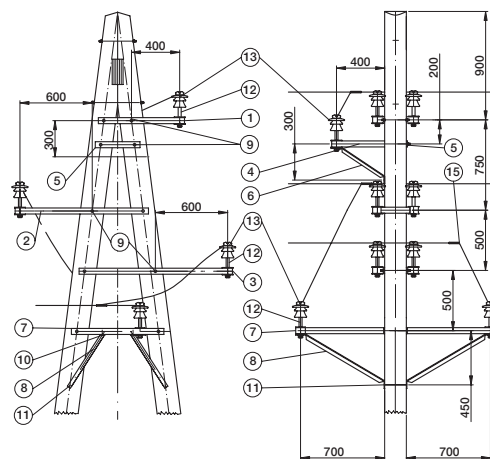
suspension branch wooden A-pole with steel arm braces and post insulators

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	konzola ČKn400 [arm brace ČKn400]	18
2	1	podupora ČPL 350 [strut ČPL350]	18
3	2	konzola ČKn600 [arm brace ČKn600]	18
4	2	podupora ČPL 560 [strut ČPL560]	18
5	1	konzola ČKo290 [arm brace ČKo290]	26
6	1	produžnik ČRz290 [extension links ČRz290]	26
7	2	podupora ČP450 [strut ČP450]	26
8	2	konzola ČKo700 [arm brace ČKo700]	26
9	4	podupora ČP800 [strut ČP800]	26
10	7	vijak M12x240 [bolt M12x240]	169
11	6	vijak M12x35 [bolt M12x35]	
12	9	vijak za drvo 12x80 [wooden bolt 12x80]	199
13	3	nosač potpornog izolatora [insulator pin]	102
14	3	nosač potpornog izolatora [insulator pin]	102
15	6	potporni izolator [post insulator]	
16	6	završna stezaljka [dead-end clamp]	154
17	6	strujna stezaljka [parallel groove clamp]	167
18	1	nosač zaštitnog užeta ČOst [support for earth wire ČOst]	28
19	3	D-stremen (Ou18) [D-shackle]	90

nosni ocepni kutni drveni A-stup s čeličnim konzolama i potpornim izolatorima

suspension branch angle wooden A-pole with steel arm braces and post insulators

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	konzola ČKk240 [arm brace ČKk240]	19
2	1	konzola ČKk450 [arm brace ČKk450]	19
3	1	konzola ČKk570 [arm brace ČKk570]	18
4	1	konzola ČKo290 [arm brace ČKo290]	26
5	1	produžnik ČRz290 [extension links ČRz290]	26
6	2	podupora ČP450 [strut ČP450]	26
7	2	konzola ČKo700 [arm brace ČKo700]	26
8	4	podupora ČP800 [strut ČP800]	26
9	10	vijak M12x240 [bolt M12x240]	169
10	6	vijak M12x35 [bolt M12x35]	
11	6	vijak za drvo 12x80 [wooden bolt 12x80]	199
12	9	nosač potpornog izolatora [insulator pin]	102
13	9	potporni izolator [post insulator]	
14	3	završna stezaljka [dead-end clamp]	154
15	3	strujna stezaljka [parallel groove clamp]	167



nosno ocepni kutni drveni A-stup s čeličnim konzolama i potpornim izolatorima

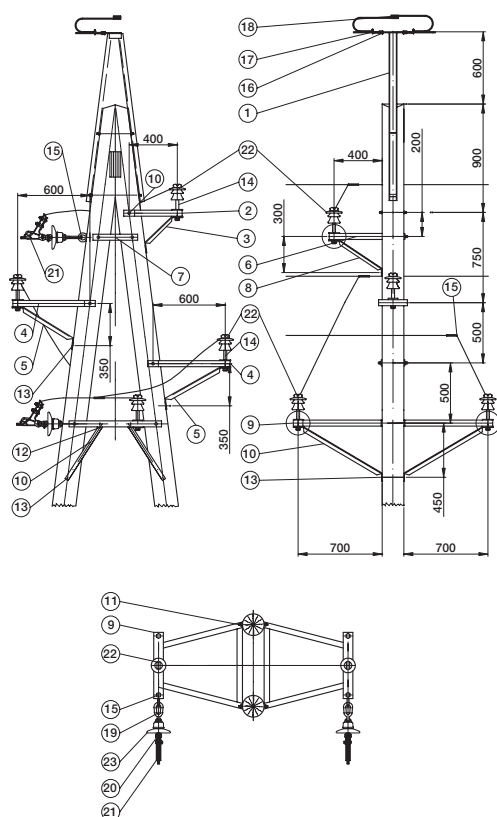
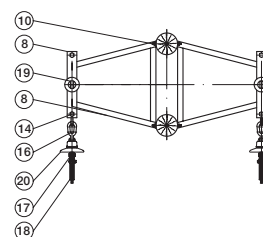
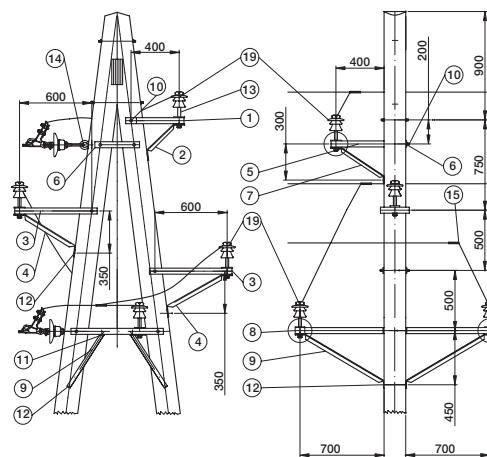
suspension branch angle wooden A-pole with steel arm braces and post insulators

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	nosač zaštitnog užeta ČOst [support for earth wire ČOst]	28
2	1	konzola ČKk240 [arm brace ČKk240]	19
3	1	konzola ČKk450 [arm brace ČKk450]	19
4	1	konzola ČKk570 [arm brace ČKk570]	18
5	1	konzola ČKo290 [arm brace ČKo290]	26
6	1	produžnik ČRz290 [extension links ČRz290]	26
7	2	podupora ČP450 [strut ČP450]	26
8	2	konzola ČKo700 [arm brace ČKo700]	26
9	4	podupora ČP800 [strut ČP800]	26
10	10	vijak M12x240 [bolt M12x240]	169
11	6	vijak M12x35 [bolt M12x35]	
12	6	vijak za drvo 12x80 [wooden bolt 12x80]	199
13	9	nosač potpornog izolatora [insulator pin]	102
14	9	potporni izolator [post insulator]	
15	3	D-stremen (ou18) [D-shackle]	90
16	6	završna stezaljka [dead-end clamp]	154
17	6	strujna stezaljka [parallel groove clamp]	167

nosno ocepni A-stup s čeličnim konzolama za potporne izolatore i zatezne izolatorske lance 10 kV

suspension branch A-pole with steel arm braces for post insulators and tension insulator strings to 10 kV

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	konzola ČKn400 [arm brace ČKn400]	18
2	1	podupora ČPL 350 [strut ČPL350]	18
3	2	konzola ČKn600 [arm brace ČKn600]	18
4	2	podupora ČPL 560 [strut ČPL 560]	18
5	1	konzola ČKov 290 [arm brace ČKov 290]	27
6	1	produžnik ČRz 290 [extension links ČRz 290]	27
7	2	podupora ČP450 [strut ČP450]	27
8	2	konzola ČKov 700 [arm brace ČKov 700]	27
9	4	podupora ČP 800 [strut ČP 800]	27
10	7	vijak M12x240 [bolt M12x240]	169
11	6	vijak M12x35 [bolt M12x35]	
12	9	vijak za drvo 12x80 [wooden bolt 12x80]	199
13	6	nosač potpornog izolatora [insulator pin]	102
14	3	D-stremen (OS 65) [D-shackle (OS 65)]	90
15	3	strujna stezaljka [parallel groove clamp]	167
16	3	batić s karikom [ball eye]	136
17	3	zdjelica s očkom [socket tongue]	139
18	3	zatezna vijčana stezaljka [tension bolted clamp]	140
19	6	potporni izolator [post insulator]	
20	3	kapasti izolator [disc insulator]	



nosno ocepni A-stup s čeličnim konzolama za potporne izolatore i zatezne izolatorske lance 10 kV

suspension branch A-pole with steel arm braces for post insulators and tension insulator strings to 10 kV

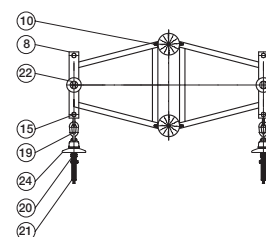
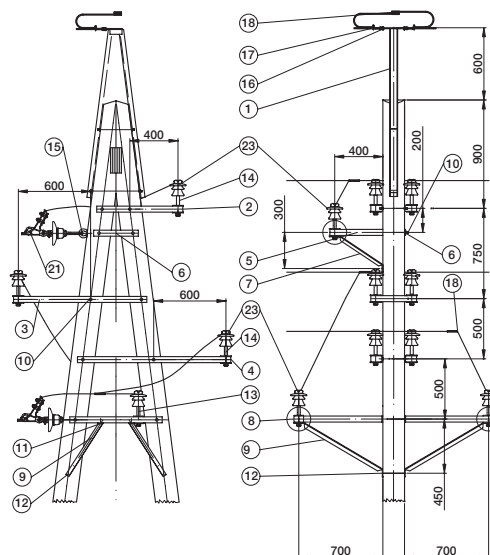
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	nosač zaštitnog užeta ČOst [support for earth wire ČOst]	28
2	1	konzola ČKn400 [arm brace ČKn400]	18
3	1	podupora ČPL 350 [strut ČPL 350]	18
4	2	konzola ČKn600 [arm brace ČKn600]	18
5	2	podupora ČPL 560 [strut ČPL 560]	18
6	1	konzola ČKov 290 [arm brace ČKov 290]	27
7	1	produžnik ČRz 290 [extension links ČRz 290]	27
8	2	podupora ČP450 [strut ČP450]	27
9	2	konzola ČKov 700 [arm brace ČKov 700]	27
10	4	podupora ČP 800 [strut ČP 800]	27
11	7	vijak M12x240 [bolt M12x240]	169
12	6	vijak M12x35 [bolt M12x35]	
13	9	vijak za drvo 12x80 [wooden bolt 12x80]	199
14	6	nosač potpornog izolatora [insulator pin]	102
15	3	D-stremen (OS 65) [D-shackle (OS 65)]	90
16	3	D-stremen (OU 18) [D-shackle (OU 18)]	90
17	3	završna stezaljka [dead-end clamp]	154
18	3	strujna stezaljka [parallel groove clamp]	167
19	6	batić s karikom Ø16 [socket tongue]	136
20	3	zdjelica s očkom Ø16 [socket tongue]	139
21	3	vijčana zatezna stezaljka [bolted type clamp]	140
22	6	potporni izolator [post insulator]	
23	3	kapasti izolator [insulator]	

1

ocjepni kutni A-stup s čeličnim konzolama za potporne izolatore i zatezne izolatorske lance 10 kV

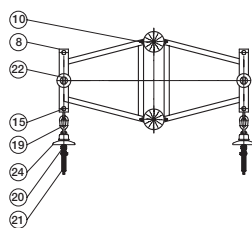
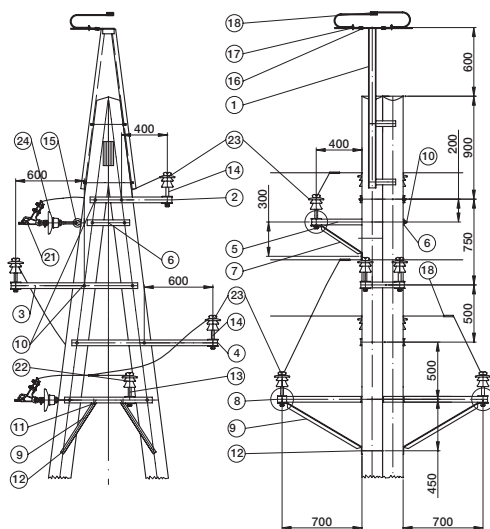
branch angle A-pole with steel arm braces for post insulators and tension insulator strings to 10 kV

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	nosač zaštitnog užeta ČOst [support for earth wire ČOst]	28
2	1	konzola ČKk240 [arm brace ČKk240]	19
3	1	konzola ČKk450 [arm brace ČKk450]	19
4	1	konzola ČKk570 [arm brace ČKk570]	18
5	1	konzola ČKo290 [arm brace ČKo290]	26
6	1	produžnik ČRz 290 [extension links ČRz 290]	26
7	2	podupora ČP450 [strut ČP450]	26
8	2	konzola ČKo 700 [arm brace ČKo 700]	26
9	4	podupora ČP 800 [strut ČP 800]	26
10	10	vijak M12x240 [bolt M12x240]	169
11	6	vijak M12x35 [bolt M12x35]	
12	6	vijak za drvo 12x80 [wooden bolt 12x80]	199
13	3	nosač potpornog izolatora [insulator pin]	102
14	6	nosač potpornog izolatora [insulator pin]	102
15	3	D-stremen (OS 65) [D-shackle (OS 65)]	90
16	3	D-stremen (OU 18) [D-shackle (OU 18)]	90
17	3	završna stezaljka [dead-end clamp]	154
18	6	strujna stezaljka [parallel groove clamp]	167
19	3	batić s karikom IEC16 [ball eye IEC16]	136
20	3	zdjelica s očkom IEC16 [socket tongue IEC16]	139
21	3	vijčana zatezna stezaljka [bolted tension clamp]	140
22	3	potporni izolator VHD 10 [post insulator VHD 10]	
23	6	potporni izolator VHD 10 [post insulator VHD 10]	
24	3	kapasti izolator [insulator]	



ocjepno kutni dupli A-stup s čeličnim konzolama za potporne izolatore i zatezne izolatorske lance 10 kV

branch angle double A-pole with steel arm braces for post insulators and tension insulator strings to 10 kV

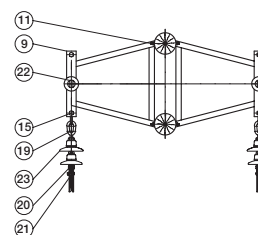
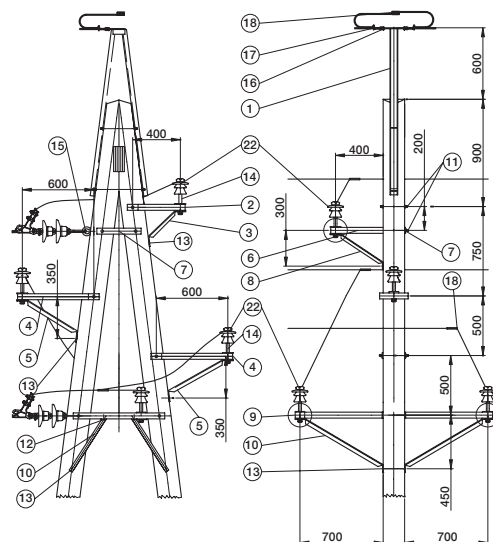


poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	nosač zaštitnog užeta ČOst [support for earth wire ČOst]	28
2	1	konzola ČKDK240 [arm brace ČKDK240]	20
3	1	konzola ČKDK450 [arm brace ČKDK450]	20
4	1	konzola ČKDK570 [arm brace ČKDK570]	20
5	1	konzola ČKov290 [arm brace ČKov290]	27
6	1	produžnik ČRz 290 [extension links ČRz 290]	27
7	2	podupora ČP450 [strut ČP450]	27
8	2	konzola ČKov 700 [arm brace ČKov 700]	27
9	4	podupora ČP 800 [strut ČP 800]	27
10	10	vijak M12x380 [bolt M12x380]	169
11	6	vijak M12x35 [bolt M12x35]	
12	6	vijak za drvo 12x80 [bolt for wood 12x80]	199
13	3	nosač potpornog izolatora [insulator pin]	102
14	6	nosač potpornog izolatora [insulator pin]	102
15	3	D-stremen (OS 65) [D-shackle (OS 65)]	90
16	3	D-stremen (OU 18) [D-shackle (OU 18)]	90
17	3	završna stezaljka [dead-end clamp]	154
18	6	strujna stezaljka [parallel groove clamp]	167
19	3	batić s karikom Ø16 [ball eye Ø16]	136
20	3	zdjelica s očkom Ø16 [socket tongue Ø16]	139
21	3	vijčana zatezna stezaljka [bolted tension clamp]	140
22	3	potporni izolator VHD 10 [post insulator VHD 10]	
23	6	potporni izolator [post insulator]	
24	3	kapasti izolator [insulator]	

nosno ocjepni A-stup s čeličnim konzolama za potporne izolatore i zatezne izolatorske lance 20 kV

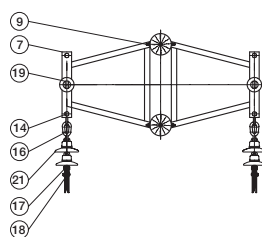
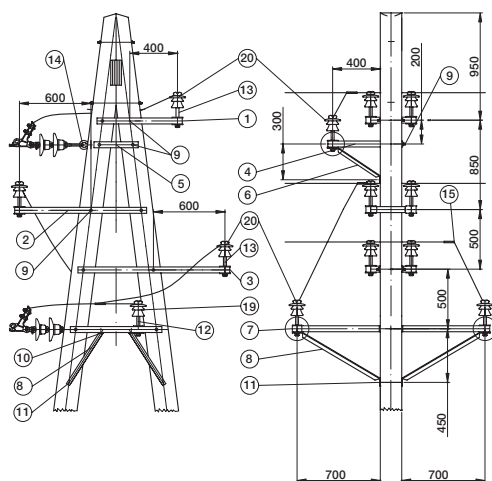
suspension branch A-pole with steel arm braces for post insulators and tension insulator strings to 20 kV

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	nosač zaštitnog užeta [support for earth wire]	28
2	1	konzola ČKn400 [arm brace ČKn400]	18
3	1	podupora ČPL 350 [strut ČPL 350]	18
4	2	konzola ČKn600 [arm brace ČKn600]	18
5	2	podupora ČP 560 [strut ČP 560]	18
6	1	konzola ČKov 290 [arm brace ČKov 290]	27
7	1	produžnik ČRz 290 [extension links ČRz 290]	27
8	2	podupora ČP450 [strut ČP450]	27
9	2	konzola ČKov 700 [arm brace ČKov 700]	27
10	4	podupora ČP 800 [strut ČP 800]	27
11	7	vijak M12x240 [bolt M12x240]	169
12	6	vijak M12x35 [bolt M12x35]	
13	9	vijak za drvo [wooden bolt]	199
14	6	nosač potpornog izolatora [insulator pin]	102
15	3	D-stremen (OS 65) [D-shackle (OS 65)]	90
16	3	D-stremen (OU 18) [D-shackle (OU 18)]	90
17	3	završna stezaljka [dead-end clamp]	154
18	6	strujna stezaljka [parallel groove clamp]	167
19	3	batić s karikom Ø16 [ball tongue]	136
20	3	zdjelica s očkom Ø16 [socket tongue]	139
21	3	vijčana zatezna stezaljka [bolted tension clamp]	140
22	6	potporni izolator VHD 20 [post insulator VHD 20]	
23	6	kapasti izolator [insulator]	



odcjepno kutni A-stup s čeličnim konzolama za potporne izolatore i zatezne izolatorske lance 20 kV

branch angle A-pole with steel arm braces for post insulators and tension insulator strings to 20 kV

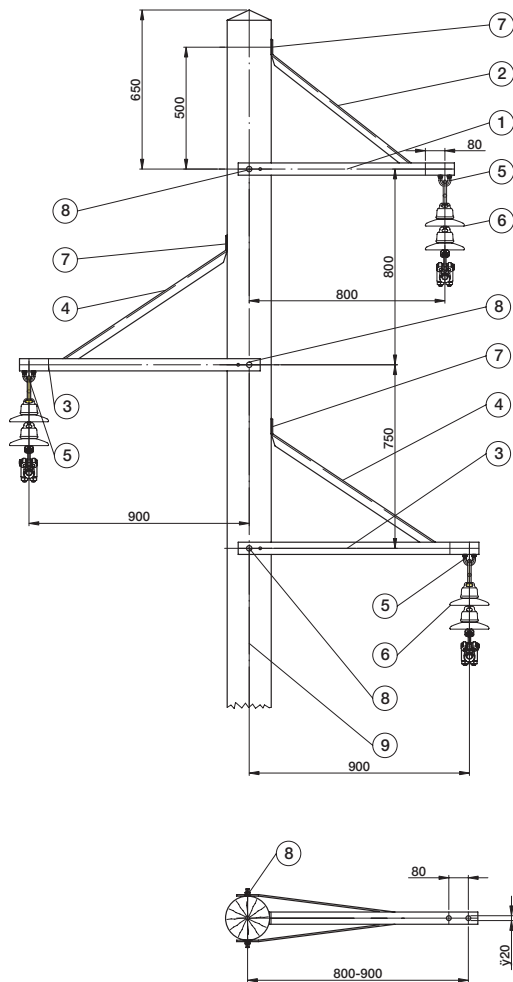


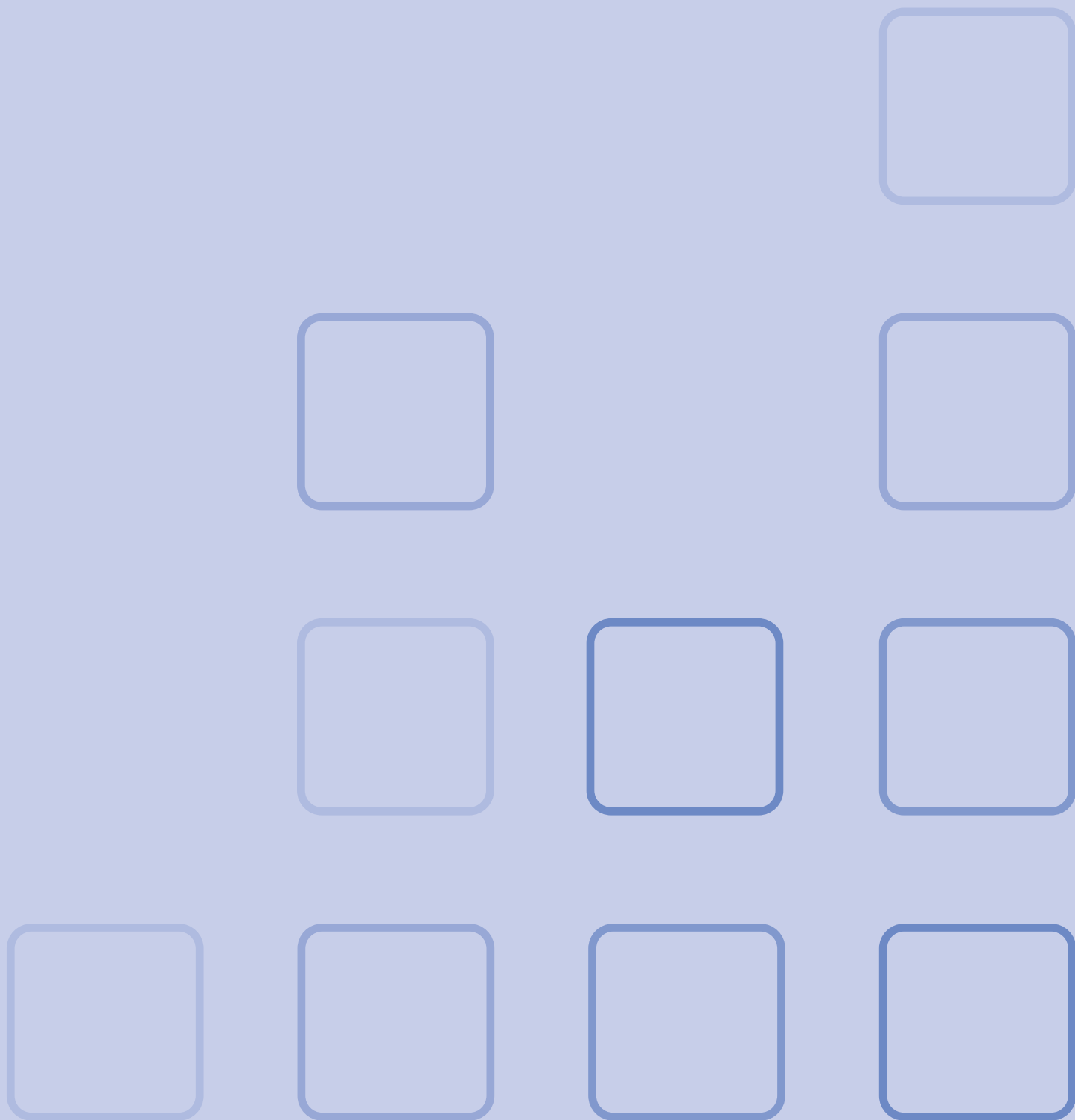
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	konzola ČKk240 [arm brace ČKk240]	19
2	1	konzola ČKk450 [arm brace ČKk450]	19
3	1	konzola ČKk570 [arm brace ČKk570]	18
4	1	konzola ČKov 290 [arm brace ČKov 290]	27
5	1	produžnik ČRz 290 [extension links ČRz 290]	27
6	2	podupora ČP 450 [strut ČP 450]	27
7	2	konzola ČKov 700 [arm brace ČKov 700]	27
8	4	podupora ČP 800 [strut ČP 800]	27
9	10	vijak M12x240 [bolt M12x240]	169
10	6	vijak M12x35 [bolt M12x35]	
11	6	vijak za drvo 12x80 [wooden bolt 12x80]	199
12	3	nosač potpornog izolatora [insulator pin]	102
13	6	nosač potpornog izolatora [insulator pin]	102
14	3	D-stremen (OS 65) [D-shackle (OS 65)]	90
15	3	strujna stezaljka [parallel groove clamp]	167
16	3	batić s očkom Ø16 [ball eye]	136
17	3	zdjelica s očkom Ø16 [socket tongue]	139
18	3	vijčana zatezna stezaljka [bolted tension clamp]	140
19	3	potporni izolator [post insulator]	
20	6	potporni izolator [post insulator]	
21	6	kapasti izolator [insulator]	

nosni drveni stup s čeličnim konzolama za jednostruke nosne izolatorske lance 20 kV

suspension wooden pole with steel arm brace fosinglet
suspension insulator set 20 kV

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	konzola ČKn800 [arm brace ČKn800]	
2	1	podupora ČP 850 [strut ČP 850]	
3	2	konzola ČKn 900 [arm brace ČKn 900]	
4	2	podupora ČP 930 [strut ČP 930]	
5	3	"u" stremen s batićem 16 ["u" shackle with ball 16]	134
6	3	jednostruki nosni lanac-komplet [single suspension set-complete]	132
7	3	vijak za drvo 12x80 [wooden bolt 12x80]	199
8	3	"u" vijak M16x250 ["u" vijak M16x250]	134
9	1	drveni stup [wooden pole]	





čelične konzole za drvene stupove TIP I
[steel crossarm braces for wooden poles TYPE I]



1

1a

čelična konzola tip ČKn 600 i ČKnd 600 za drveni stup

steel armbrace type: ČKn 600 and ČKnd 600 for wooden pole

ČKn 600

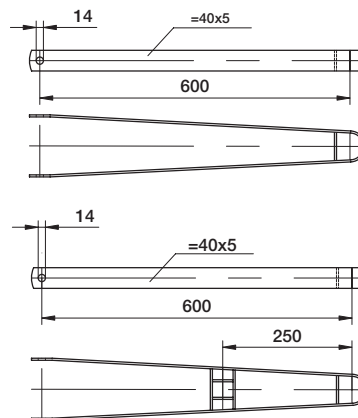
materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 2,10 kg

ČKnd 600

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 2,80 kg



2

2a

3

3a

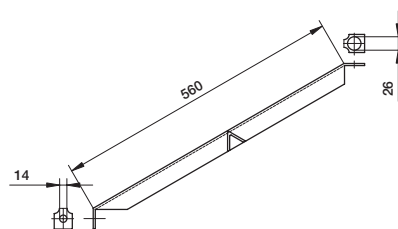
čelična podupora tip ČPL560 za čelične konzole ČKn 600 i ČKnd 600 za drveni stup

steel strut for steel armbraces type ČKn 600 and ČKnd 600 and wooden pole

ČPL 560

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 1,45 kg



4

5

5a

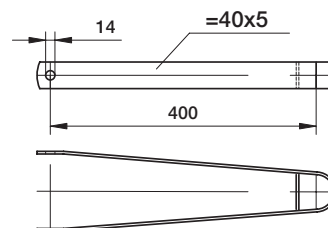
čelična konzola tip ČKn 400 za drveni stup

steel armbrace type ČKn 400 for wooden pole

ČKn 400

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 1,48 kg



6

6a

6b

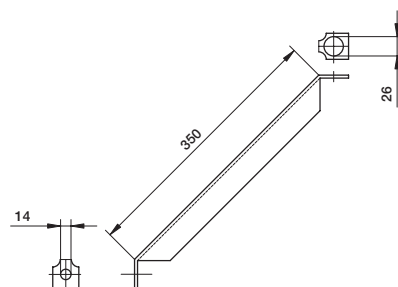
čelična podupora tip ČPL 350 za čelične konzole tip ČKn 400 i drveni stup

steel strut ČPL 350 for steel armbrace type ČKn 400 and wooden pole

ČPL 350

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 1,00 kg



7

8

9

10

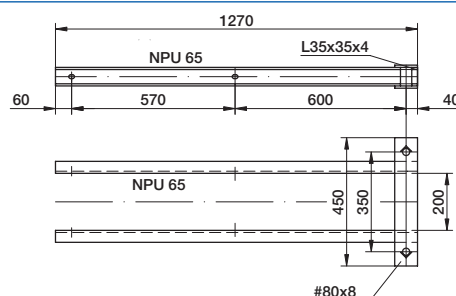
čelična konzola tip ČKk 570 za drveni A-stup

steel armbrace type ČKk 570 for a-wooden pole

ČKk 570

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 23,00 kg



11

12

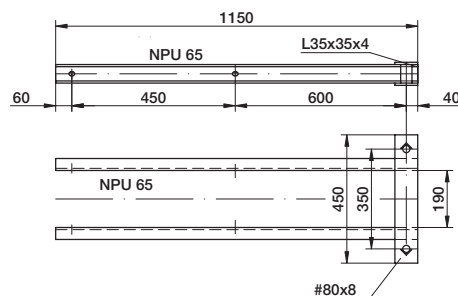
čelična konzola tip ČKk 450 za drveni A-stup

steel armbrace type ČKk 450 for a-wooden pole

ČKk 450

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 20,50 kg

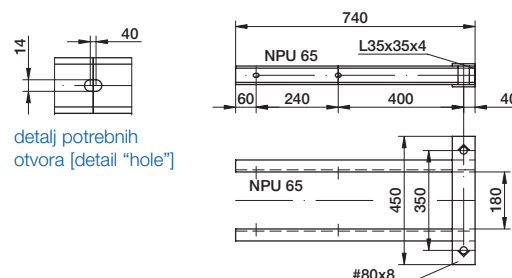
**čelična konzola tip ČKk 240 za drveni A-stup**

steel armbrace type ČKk 240 for a-wooden pole

ČKk 240

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 15,40 kg

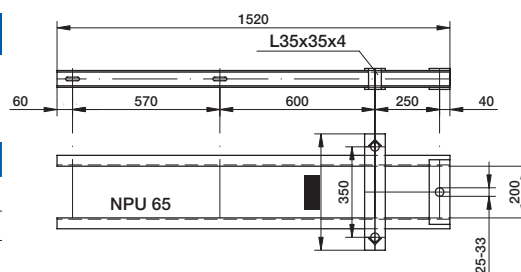
detalj potrebnih
otvora [detail "hole"]**čelična konzola tip ČKkd 570 za drveni A-stup**

steel armbrace type ČKkd 570 for a-wooden pole

ČKkd 570

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 29,00 kg

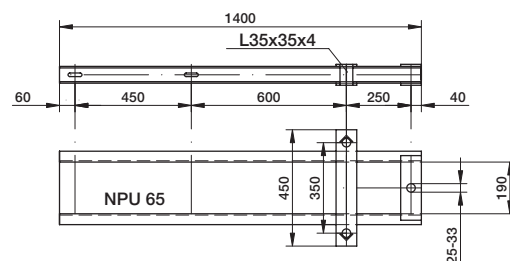
**čelična konzola tip ČKkd 450 za drveni A-stup**

steel armbrace type ČKkd 450 for a-wooden pole

ČKkd 450

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 27,00 kg

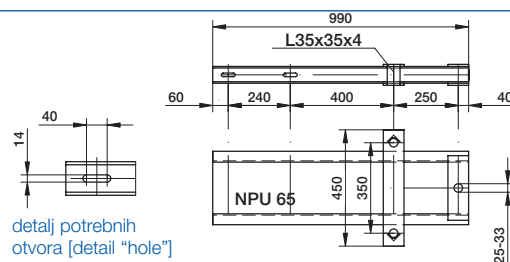
**čelična konzola tip ČKkd 240 za drveni A-stup**

steel armbrace type ČKkd 240 for a-wooden pole

ČKkd 240

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 22,50 kg

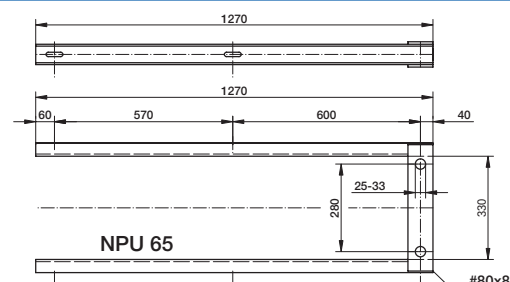
detalj potrebnih
otvora [detail "hole"]**čelična konzola tip ČKDk 570 za a-dvostruki drveni stup**

steel armbrace type ČKDk 570 for a-double wooden pole

ČKDk 570

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 22,00 kg



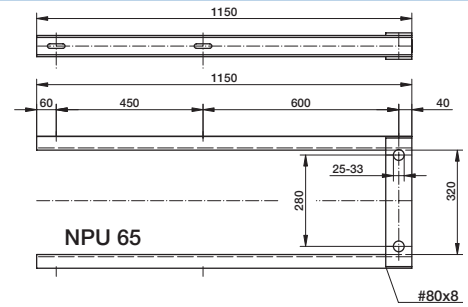
1

1a

čelična konzola tip ČKDk 450 za a-dvostruki drveni stup
steel armbrace type ČKDk 450 for a-double wooden pole

ČKDk 450

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]: ~ 27,00 kg



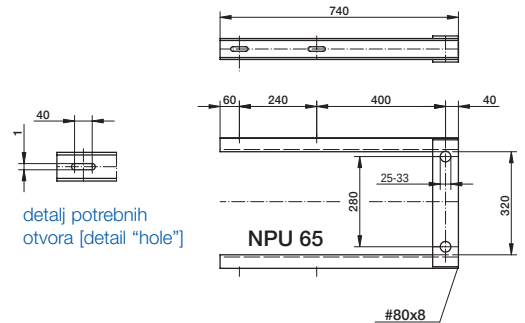
2

2a

čelična konzola tip ČKDk 240 za a-dvostruki drveni stup
steel armbrace type ČKDk 240 for a-double wooden pole

ČKDk 240

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]: ~ 14,50 kg



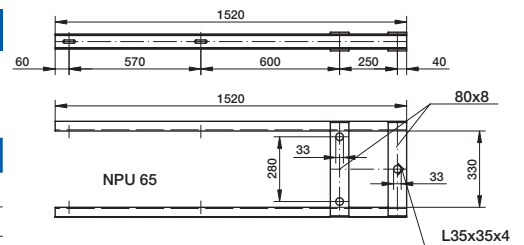
3

3a

čelična konzola tip ČKDkd 570 za kutni dvostruki drveni stup
steel armbrace type ČKDkd 570 for angle double wooden pole

ČKDkd 570

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]: ~ 29,70 kg



4

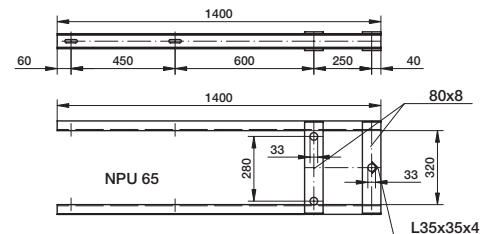
5

5a

čelična konzola tip ČKDkd 450 za a-dvostruki drveni stup
steel armbrace type ČKDkd 450 for a-double wooden pole

ČKDkd 450

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]: ~ 28,00 kg



6

6a

6b

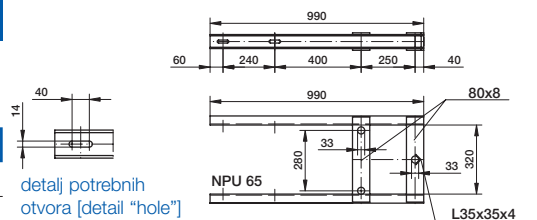
7

8

čelična konzola tip ČKDkd 240 za a-dupli drveni stup
steel armbrace type ČKDkd 240 for a-double wooden pole

ČKDkd 240

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]: ~ 22,00 kg



8

9

10

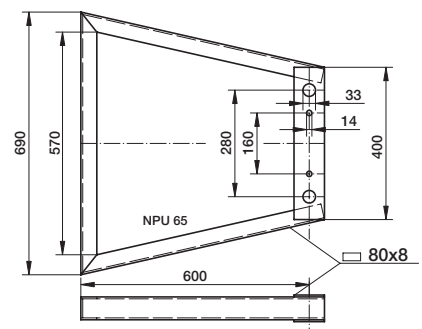
11

12

čelična konzola tip ČKr 570 za rasteretni drveni stup
steel armbrace type ČKr 570 for non reinforced wooden pole

ČKr 570

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]: ~ 18,40 kg



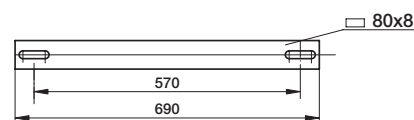
čelična rasteretna ploča tip ČRz 570

steel non reinforced plate type ČRz 570

ČRz 570

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 1,70 kg

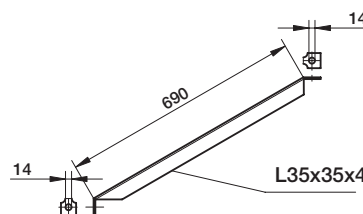
**čelična podupora tip ČP 690 za čeličnu konzolu ČKr 570 i ČKr 450**

steel strut type ČP 690 for steel armbrace ČKr 570 and ČKr 450

ČP 690

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 1,70 kg

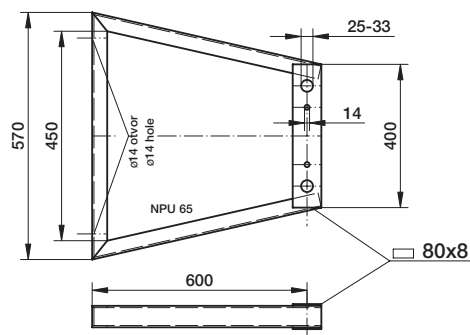
**čelična konzola tip ČKr 450 za rasteretni drveni stup**

steel armbrace type ČKr 450 for non reinforced wooden pole

ČKr 450

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 17,30 kg

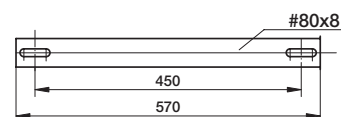
**čelična rasteretna ploča tip ČRz 450**

steel non reinforced plate type ČRz 450

ČRz 450

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 1,40 kg

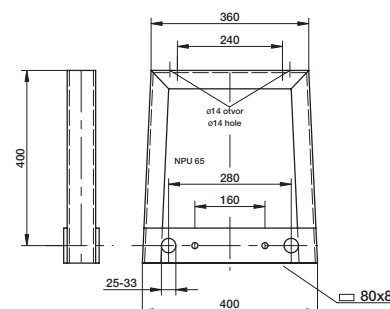
**čelična konzola tip ČKr 240 za rasteretni drveni stup**

steel armbrace type ČKr 240 for non reinforced wooden pole

ČKr 240

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 12,90 kg

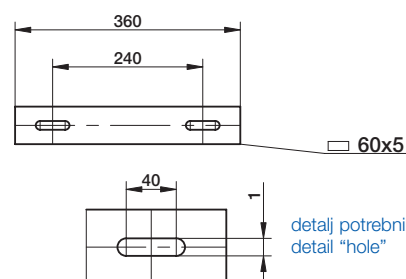
**čelična rasteretna ploča tip ČRz 240**

steel non reinforced plate type ČRz 240

ČRz 240

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 1,40 kg

detalj potrebnih otvora
detail "hole"

1

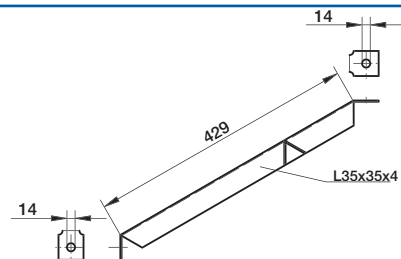
1a

čelična podupora tip ČP 430 za čeličnu konzolu ČKr 240

steel strut type ČP 430 for steel armbrace ČKr 240

ČP 430

materija [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 1,20 kg



2

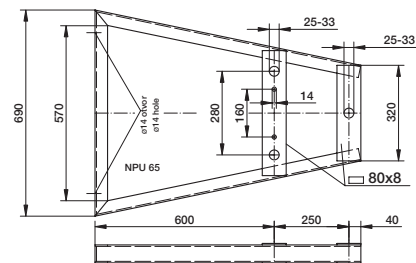
2a

čelična konzola tip ČKrd 570 za rasteretni drveni stup

steel armbrace type ČKrd 570 for non reinforced wooden pole

ČKrd 570

materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 23,50 kg



3

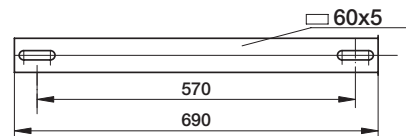
3a

čelična rasteretna ploča tip ČRz 570

steel non reinforced plate type ČRz 570

ČRz 570

materija [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 1,40 kg



4

5

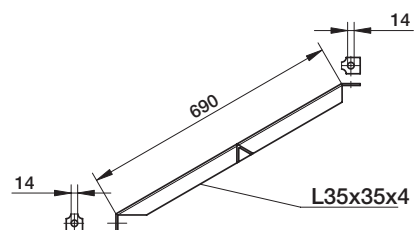
5a

čelična podupora tip ČPL 690 za čeličnu konzolu ČKrd 570 i ČKrd 450

steel strut type ČPL 690 for steel armbrace ČKrd 570 and ČKrd 450

ČPL 690

materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 1,70 kg



6

6a

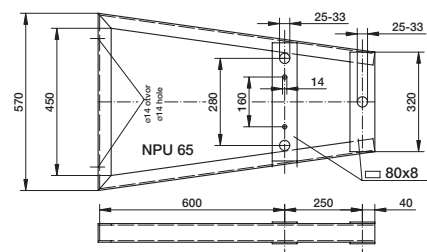
6b

čelična konzola tip ČKrd 450 za rasteretni drveni stup

steel armbrace type ČKrd 450 for non reinforced wooden pole

ČKrd 450

materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 22,50 kg



7

8

9

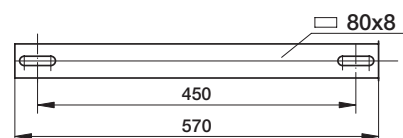
10

čelična rasteretna ploča tip ČRz 450

steel non reinforced plate type ČRz 450

ČRz 450

materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 1,40 kg



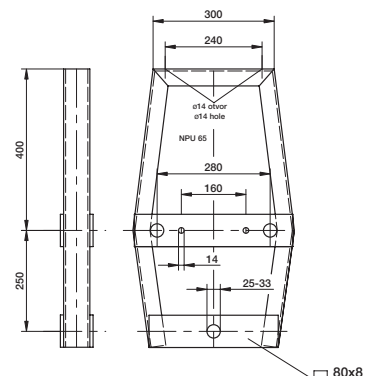
čelična konzola tip ČKrd 240 za rasteretni drveni stup

steel armbrace type ČKrd 240 for non reinforced wooden pole

ČKrd 240

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 18,10 kg

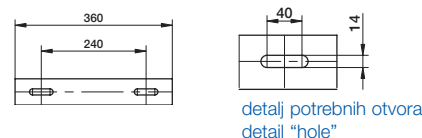
**čelična rasteretna ploča tip ČRz 240**

steel non reinforced plate type ČRz 240

ČRz 240

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 0,90 kg

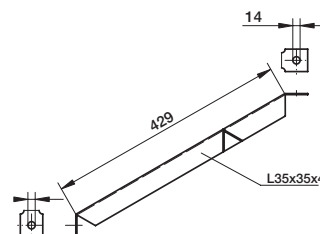
**čelična podupora tip ČP 430 za čeličnu konzolu ČKrd 240**

steel strut type ČP 430 for steel armbrace ČKrd 240

ČP 430

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 1,20 kg

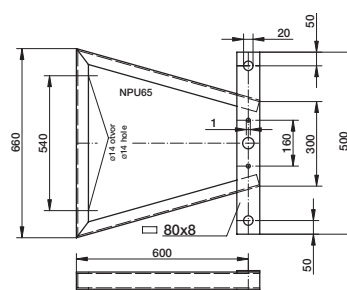
**čelična konzola tip ČKr 540 za rasteretni drveni stup i zatezne lance**

steel armbrace type ČKr 540 for non reinforced wooden pole and tension strings

ČKr 540

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 19,20 kg

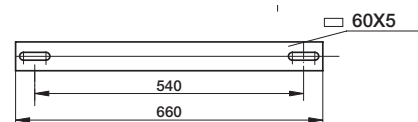
**čelična rasteretna ploča tip ČRz 540**

steel non reinforced plate type ČRz 540

ČRz 540

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 1,56 kg

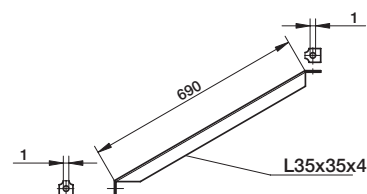
**čelična podupora tip ČP 690 za čeličnu konzolu ČKr 540 i ČKr 420**

steel crossarm type ČP 690 for steel armbrace ČKr 540 i ČKr 420

ČP 690

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 1,70 kg



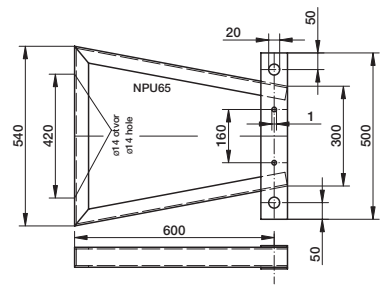
1

čelična konzola tip ČKr 420 za rasteretni drveni stup i zatezne lance

steel armbrace type ČKr 420 for non reinforced wooden pole and tension strings

ČKr 420

materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 18,20 kg



2

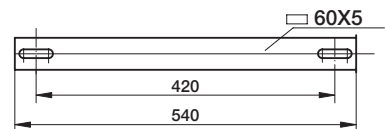
2a

čelična rasteretna ploča tip ČRz 420

steel non reinforced plate type ČRz 420

ČRz 420

materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 1,40 kg



3

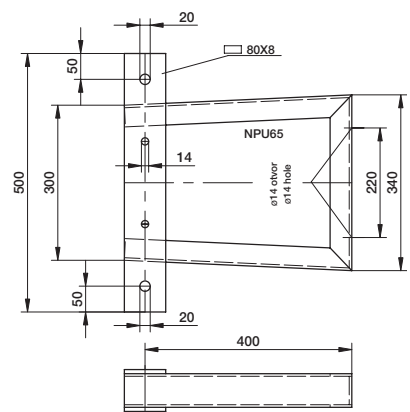
3a

čelična konzola tip ČKr 220 za rasteretni drveni stup i zatezne lance

steel armbrace type ČKr 220 for non reinforced wooden pole and tension string

ČKr 220

materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 13,80 kg



4

5

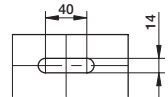
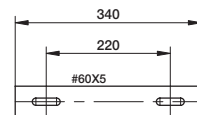
5a

čelična rasteretna ploča tip ČRz 220

steel non reinforced plate type ČRz 220

ČRz 220

materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 0,80 kg

detalj potrebnih otvora
detail "hole"

6

6a

6b

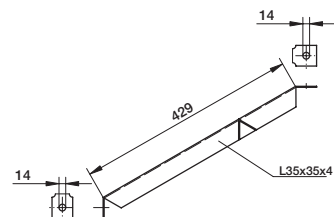
7

čelična podupora tip ČP 430 za čeličnu konzolu ČKr 220

steel strut type ČP 430 for steel armbrace ČKr 220

ČP 430

materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 1,20 kg



8

9

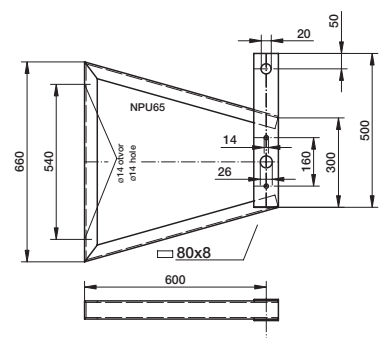
10

čelična konzola tip ČKz 540 za rasteretni - završni drveni stup

steel armbrace type ČKz 540 for non reinforced dead end wooden pole

ČKz 540

materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 18,10 kg



11

12

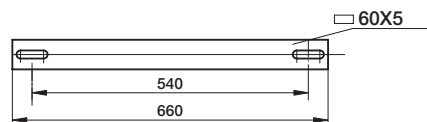
čelična rasteretna ploča tip ČRz 540

steel non reinforced plate type ČRz 540

ČRz 540

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 1,60 kg

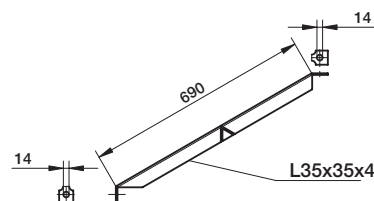
**čelična podupora tip ČP 690 za čeličnu konzolu ČKr 540 i ČKr 420**

steel strut type ČP 690 for steel armbrace ČKr 540 and ČKr 420

ČP 690

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 1,70 kg

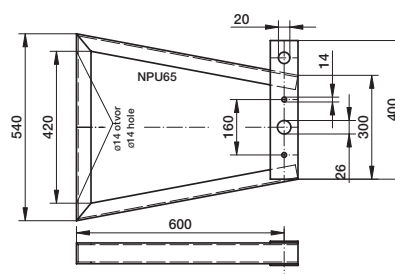
**čelična konzola tip ČKz 420 za rasteretni - završni drveni stup**

steel armbrace type ČKz 420 for non reinforced dead end wooden pole

ČKz 420

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 17,00 kg

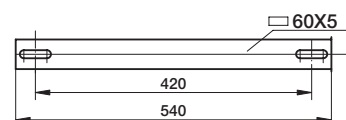
**čelična rasteretna ploča tip ČRz 420**

steel non reinforced plate type ČRz 420

ČRz 420

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 1,40 kg

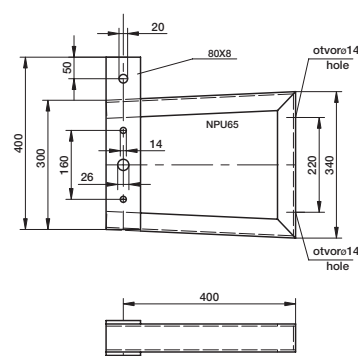
**čelična konzola tip ČKz 220 za rasteretni i završni drveni stup**

steel armbrace type ČKz 220 for non reinforced and dead end wooden pole

ČKz 220

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 12,70 kg

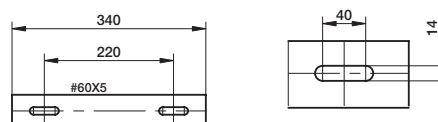
**čelična rasteretna ploča tip ČRz 220**

steel non reinforced plate type ČRz 220

ČRz 220

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

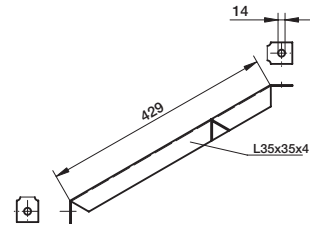
masa [mass]: ~ 0,80 kg

detalj potrebnih otvora
detail "hole"

1 1a čelična podupora tip ČP 430 za čeličnu konzolu ČKz 220 steel strut type ČP 430 for steel armbrace ČKz 220

ČP 430

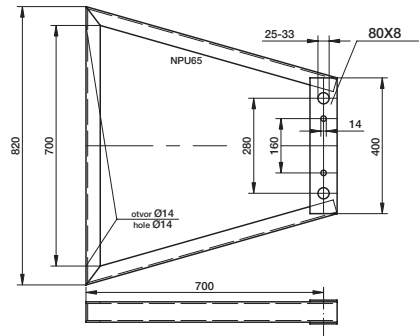
materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 1,20 kg



2 2a čelična konzola tip ČKo 700 za odcjepne drvene stupove, potporne izolatore steel armbrace type ČKo 700 for branch wooden poles, insulators

ČKo 700

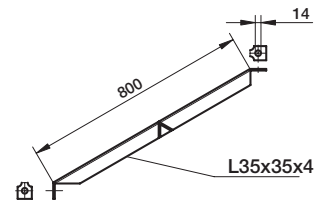
materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 19,20 kg



4 5 čelična podupora ČP 800 za čeličnu konzolu ČKo 700 steel strut type ČP 800 for steel armbrace ČKo 700

ČP 800

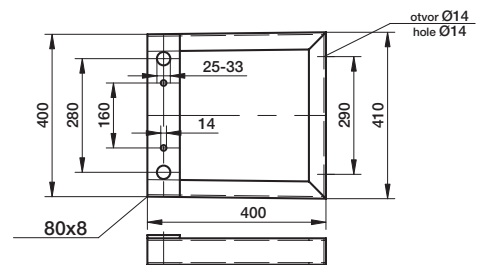
materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 2,00 kg



6 6a čelična konzola tip ČKo 290 za odcjepni drveni stup i podporne izolatore steel armbrace type ČKo 290 for branch wooden pole and post insulators

ČKo 290

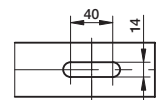
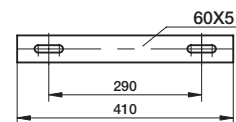
materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 12,00 kg



8 čelična rasteretna ploča tip ČRz 290 steel non reinforced plate type ČRz 290

ČRz 290

materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 1,0 kg

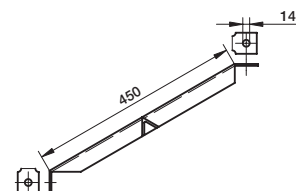


detalj potrebnih otvora
detail "hole"

11 12 čelična podupora tip ČP 450 za čeličnu konzolu ČKo 290 steel strut type ČP 450 for steel armbrace ČKo 290

ČP 450

materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 1,20 kg

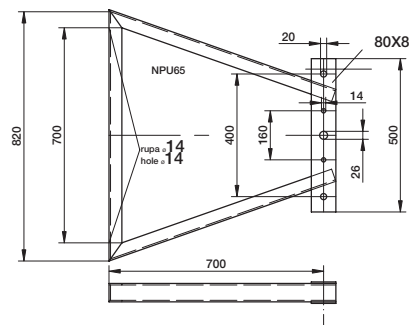


čelična konzola tip ČKov 700 za odcjepne drvene stupove, potporne izolatore i zatezne lance

steel armbrace type ČKov 700 for branch wooden poles, post insulators and tension string

ČKov 700

materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 20,10 kg

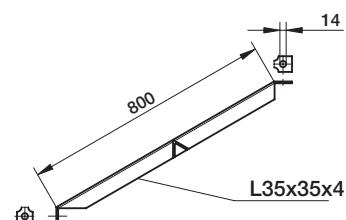


čelična podupora ČP 800 za čeličnu konzolu ČKov 700

steel strut type ČP 800 for steel armbrace ČKov 700

ČP 800

materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 2,00 kg

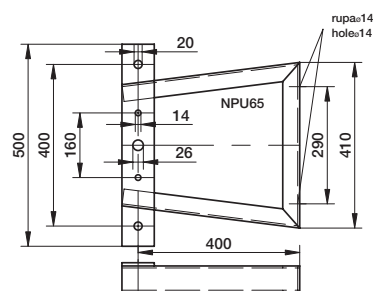


čelična konzola tip ČKov 290 za odcjepni drveni stup, podporne izolatore i zatezne lance

steel armbrace type ČKov 290 for branch wooden pole, post insulators and tension string

ČKov 290

materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 13,00 kg

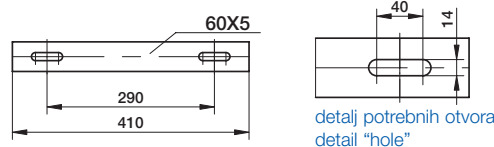


čelična rasteretna ploča tip ČRz 290

steel non reinforced plate type ČRz 290

ČRz 290

materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 1,00 kg

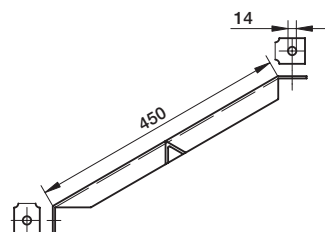


čelična podupora tip ČP 450 za čeličnu konzolu ČKov 290

steel strut type ČP 450 for steel armbrace ČKov 290

ČP 450

materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 1,20 kg



1

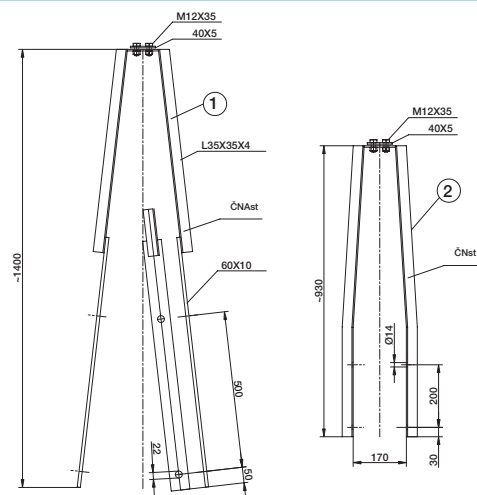
1a

zatezni rasteretni drveni A-stup s čeličnim konzolama za jednostruke i dvostruke zatezne lance 10 kV i 20 kV

tension non reinforced wooden A-pole with steel arm brace for single and double tension sets 10 kV and 20 kV

poz.[item]	kom.[pes]	opis [description]	kat.br.[cat.no.]	masa[mass](kg)
1	1	nosač zaštitnog užeta [support earth wire]	ČNAst	7,20
2	1	nosač zaštitnog užeta [support earth wire]	ČNst	4,40

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]



2

2a

3

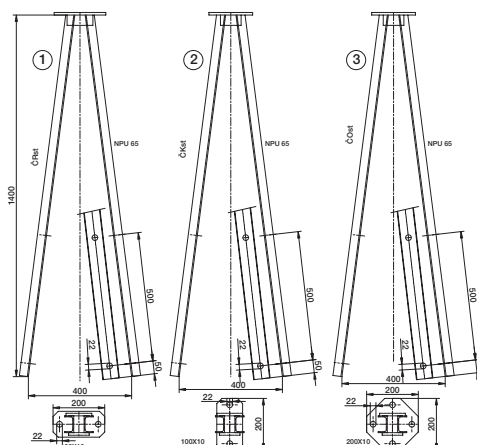
3a

čelični nosač za zaštitno uže na drvenim stupovima

steel supports for earthing wire on the wooden poles

poz.[item]	kom.[pes]	opis [description]	kat.br.[cat.no.]	masa[mass](kg)
1	1	nosač zaštitnog užeta [support earth wire]	ČRst	22,00
2	1	nosač zaštitnog užeta [support earth wire]	ČKst	22,00
3	1	nosač zaštitnog užeta [support earth wire]	ČOst	23,50

materijal: čelik, vruće pocinčano [steel, hot dip galvanized]



4

5

5a

6

6a

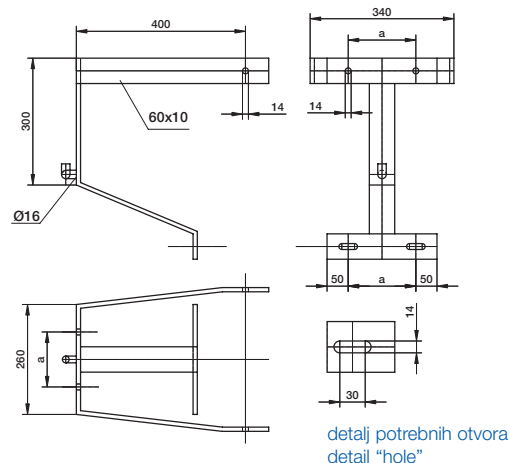
6b

čelični nosač tip ČNDkg 20 za kableske glave na drvenom stupu

steel support type ČNDkg 20 for cable heads on the wooden pole

ČNDkg 20				
materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]			
masa [mass]:	~ 4,70 kg			

dimenzije **a** prilagoditi dimenzijama kableske glave
[dimension **a** adapt to dimensions of cable heads]



detalji potrebnih otvora
detail "hole"

7

8

9

10

11

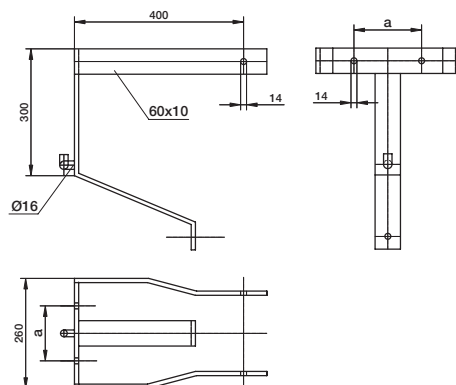
12

čelični nosač tip ČNkg 20 kableske glave na drvenom stupu

steel support type ČNkg 20 for cable head on the wooden pole

ČNkg 20				
materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]			
masa [mass]:	~ 4,30 kg			

dimenzije **a** prilagoditi dimenzijama kableske glave
dimension **a** adapt to dimensions of cable heads

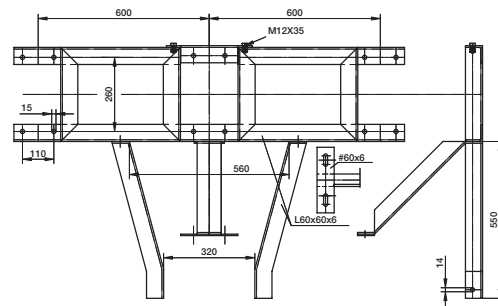


čelični nosač tip ČNDkg 35 za kabelske glave na drvenom stupu

steel support type ČNDkg 35 for cable heads on the wooden pole

ČNDkg 35

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]: ~ 34,30 kg



1

1a

2

2a

3

3a

4

5

5a

6

6a

6b

7

8

9

10

11

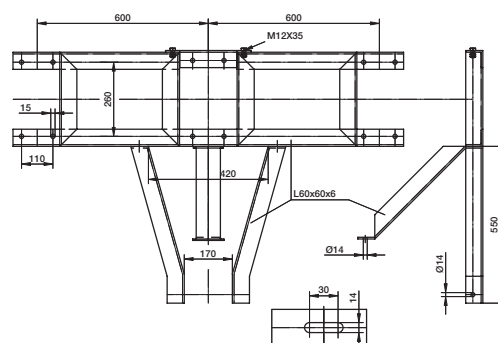
12

čelični nosač tip ČNkg 35 za kabelske glave na drvenom stupu

steel support type ČNkg 35 for cable heads on the wooden pole

ČNkg 35

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]: ~ 33,50 kg



detalj potrebnih otvora
detail "hole"

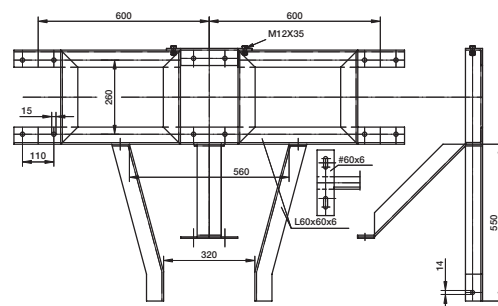
čelični nosač odvodnika prenapona tip ČNo 10 na drvenom stupu

steel support for surge arrester type ČNo 10 on the wooden pole

ČNo 10

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]: ~ 10,90 kg

dimenzije **a** prilagoditi dimenzijama odvodnika prenapona
dimension **a** adapt to dimensions of surge arrester



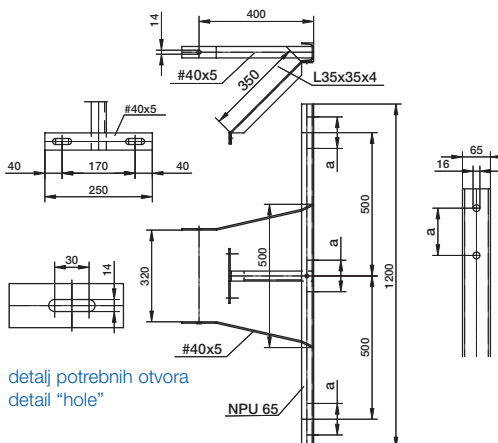
čelični nosač odvodnika prenapona tip ČNDo 10 na drvenom stupu

steel support for surge arrester type ČNDo on the wooden pole

ČNDo 10

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]: ~ 11,20 kg

dimenzije **a** prilagoditi dimenzijama odvodnika prenapona
dimension **a** adapt to dimensions of surge arrester



detalj potrebnih otvora
detail "hole"

1

čelični nosač odvodnika prenapona tip ČNo 20 na drvenom stupu

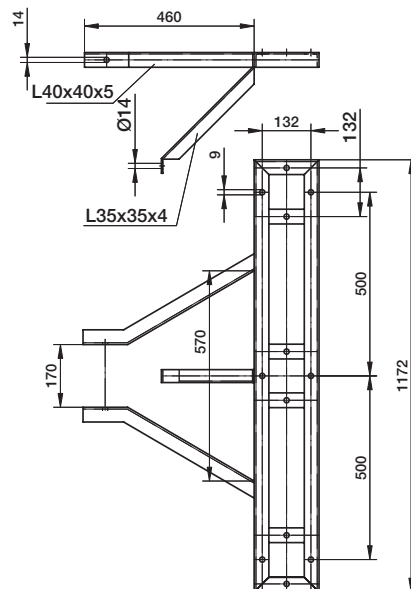
1a

steel support for surge arrester type ČNo 20 on the wooden pole

ČNo 20

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 13,50 kg



4

čelični nosač odvodnika prenapona tip ČNDo 20 na drvenom stupu

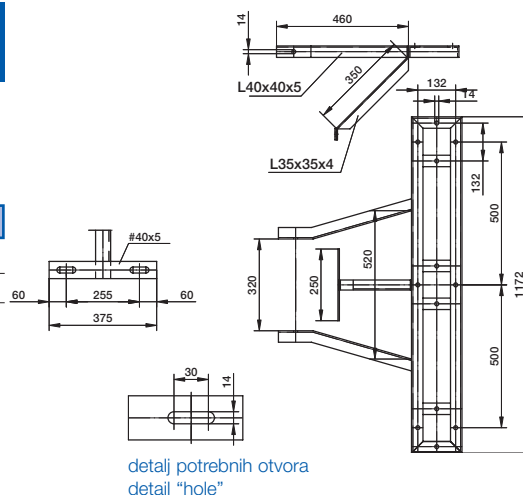
5

steel support for surge arrester type ČNDo 20 on the wooden pole

ČNDo 20

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 13,60 kg



6

6a

6b

7

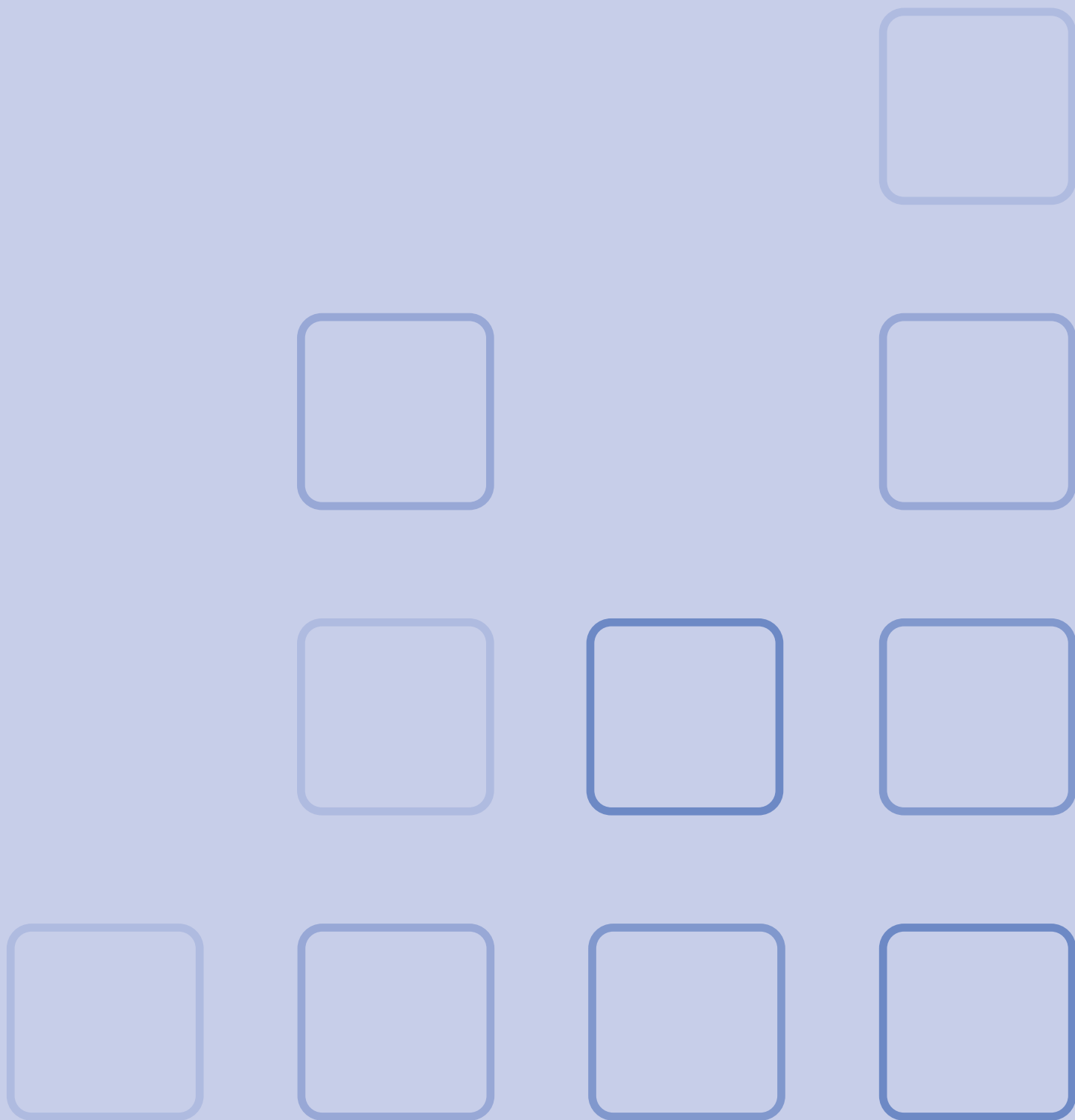
8

9

10

11

12



oprema za gole nadzemne elektroenergetske mreže
10, 20, i 35 kV na drvenim stupovima TIP II

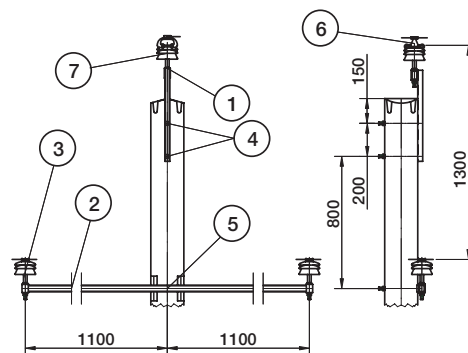
[equipment for bare overhead electroenergetic networks
11, 22 and 35 kV at the wooden poles TYPE II]

2

nosni drveni stup s Čel. konzolama za potporne izolatore 10-35 kV

suspension wooden pole with steel crossarm for post insulators 10-35 kV

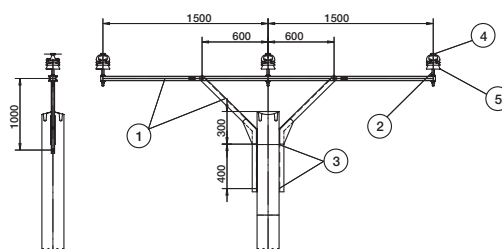
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	nosač na vrhu stupa ČKv 111 [support of top pole]	40
2	1	konzola ČKp 111 [crossarm]	41
3	3	nosač potpornog izolatora [insulator pin]	102
4	2	dvostruki vijak M16x250 [double bolt M16x250]	169
5	1	dvostruki vijak M20x250 [double bolt M20x250]	169
6	3	preformirani vez ili nosač s nosnom stezaljkom [preformed tie or support with suspension clamp]	118
7	3	potporni izolator [post insulator]	



nosni drveni stup s čeličnom konzolom za potporne izolatore

suspension wooden pole with steel crossarm for post insulators

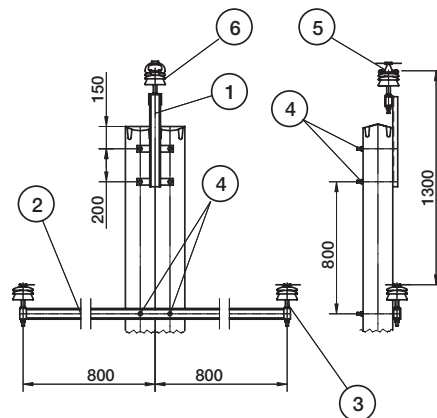
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	konzola s poduporom ČKp131 [crossarm with strut]	41
2	3	nosač potpornog izolatora [insulator pin]	102
3	2	dvostruki vijak M20x250 [double bolt M20x250]	169
4	3	preformirani vez ili nosač s nosnom stezaljkom [preformed tie or support with suspension clamp]	118
5	3	potporni izolator [post insulator]	



dvostruki nosni drveni stup s čeličnim konzolama za potporne izolatore

double suspension wooden pole with crossarm for post insulators

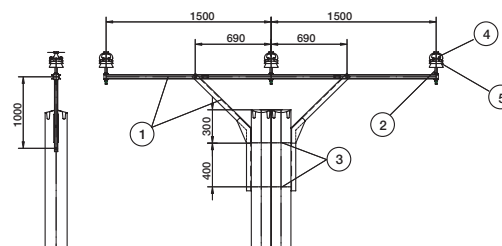
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	nosač [support] ČKv 121	40
2	1	konzola [crossarm] ČKp 121	41
3	3	nosač potpornog izolatora [insulator pin]	102
4	6	dvostruki vijak M16x250 [double bolt M16x250]	169
5	3	preformirani vez ili nosač s nosnom stezaljkom [preformed tie or support with suspension clamp]	118
6	3	potporni izolator [post insulator]	



dvostruki nosni drveni stup s čeličnim konzolama za potporne izolatore

double suspension wooden pole with steel crossarm for post insulators

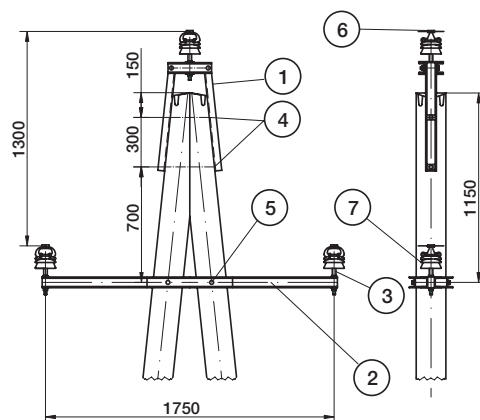
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	konzola s poduporom ČKp 131 [crossarm with strut]	41
2	3	nosač potpornog izolatora [insulator pin]	102
3	2	dvostruki vijak M20x250 [double bolt M20x250]	169
4	3	preformirani vez ili nosač s nosnom stezaljkom [preformed tie or support with suspension clamp]	118
5	3	potporni izolator [post insulator]	



kutno nosni drveni A-stup s čeličnim konzolama za potporne izolatore

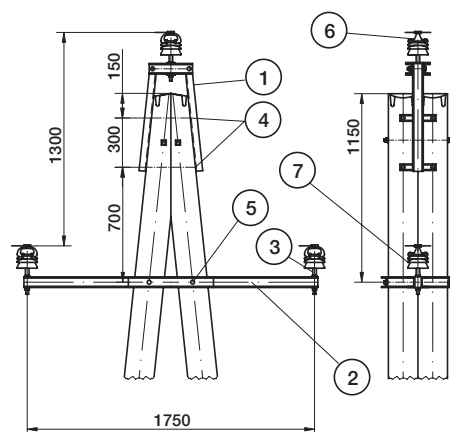
angle suspension wooden A-pole with steel crossarm for post insulator

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	nosač [support]	ČKv 311 40
2	1	konzola [crossarm]	ČKp 311 41
3	3	nosač potpornog izolatora [insulator pin]	102
4	2	dvostruki vijak M16x250 [double bolt M16x250]	169
5	2	dvostruki vijak M20x450 [double bolt M20x450]	169
6	3	performirani vez [performed tie]	118
7	3	potporni izolator [post insulator]	

**kutno rasteretni dupli drveni A-stup s čeličnim konzolama za potporne izolatore**

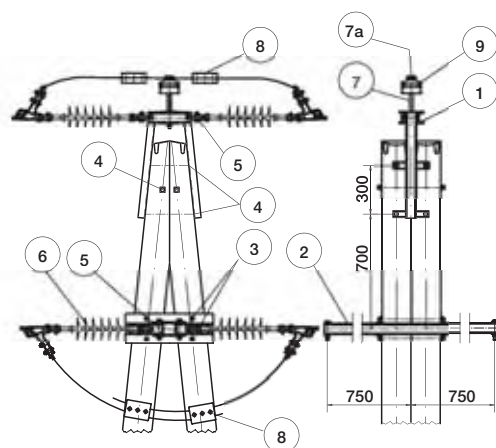
angle non reinforced double wooden A-pole with steel crossarm for post insulator

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	nosač [support]	ČKv 321 40
2	1	konzola [crossarm]	ČKp 321 42
3	3	nosač potpornog izolatora [insulator pin]	102
4	2	dvostruki vijak M16x250 [double bolt M16x250]	169
5	2	dvostruki vijak M20x450 [double bolt M20x450]	169
6	3	performirani vez [performed tie]	118
7	3	potporni izolator [post insulator]	

**rasteretno zatezni drveni dupli A-stup s čeličnim konzolama za potporne izolatore i zatezne izolatorske lance**

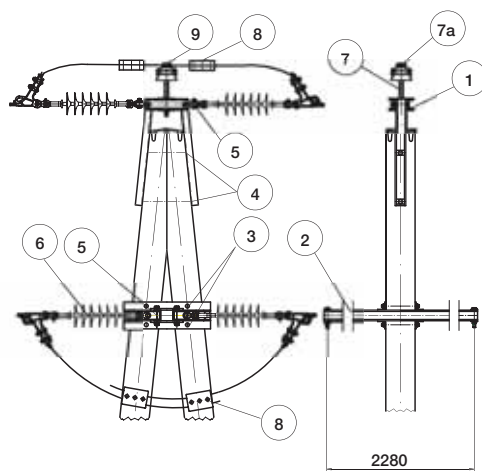
non reinforced tension wooden double A-pole with steel crossarm for post insulator and tension insulator strings

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	nosač [support]	ČKv 321 40
2	1	konzola [crossarm]	ČKp 420 42
3	4	vijak M20x450 [bolt M20x450]	169
4	4	vijak M16x450 [bolt M16x450]	169
5	6	zastavica [hinge]	135
6	6	jednostruki ili dvostruki izolatorski lanac/komplet/ [single or double insulator string/complete/]	120
7	1	nosač potpornog izolatora [pin insulator]	102
7a	1	potporni izolator [post insulator]	
8	6	strujna stezaljka [parallel groove clamp]	167
9	1	zglobna nosna stezaljka s nosačem	118

**kutni zatezni drveni A-stup s čeličnim konzolama za potporne i zatezne izolatorske lance**

angle tension wooden A-pole with steel crossarm for post insulators and tension insulator strings

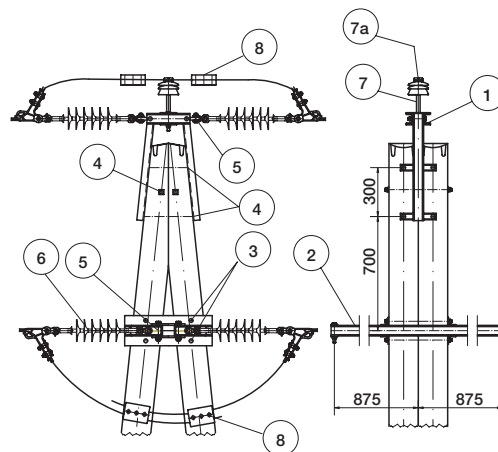
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	nosač [support]	ČKv 311 40
2	1	konzola [crossarm]	ČKp430 43
3	4	vijak M20x300 [bolt M20x300]	169
4	2	vijak M16x300 [bolt M16x300]	169
5	6	zastavica [hinge]	135
6	6	jednostruki ili dvostruki izolatorski lanac/komplet/ [single or double inulator string/complete/]	120
7	1	nosač potpornog izolatora [pin insulator]	102
7a	1	potporni izolator [post insulator]	
8	6	strujna stezaljka [parallel groove clamp]	167
9	1	zglobna nosna stezaljka s nosačem	118



kutno rasteretni drveni dupli A-stup s čeličnim konzolama za potporni izolator i zatezne izolatorske lance

angle non reinforced wooden double A-pole with steel crossarm for post insulator and tension insulator strings

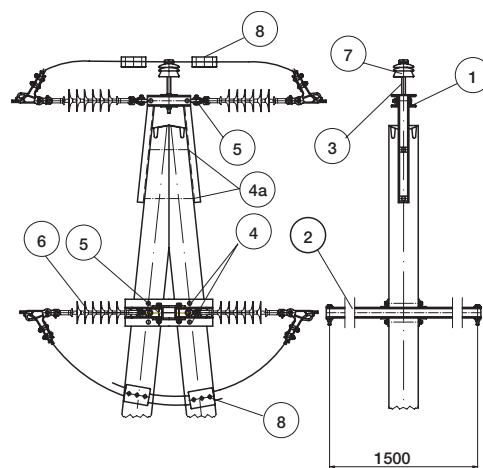
poz. [item]	kom. [pes]	naziv dijela [description]		str. [pgs]
1	1	nosač [support]	ČKv 321	40
2	1	konzola [crossarm]	ČKp 440	43
3	4	vijak M20x500 [bolt M20x500]		169
4	4	vijak M16x450 [bolt M16x450]		169
5	6	zastavica [hinge]		135
6	6	jednostruki ili dvostruki izolatorski lanac/komplet/ [single or double insulator string/complete/]		120
7	1	nosač potpornog izolatora [pin insulator]		102
7	a1	potporni izolator [post insulator]		
8	6	strujna stezaljka [parallel groove clamp]		167



zatezni drveni A-stup s čeličnom konzolom za potporni izolator i zatezne izolatorske lance

tension wooden A-pole with steel crossarm for insulator and tension insulator strings

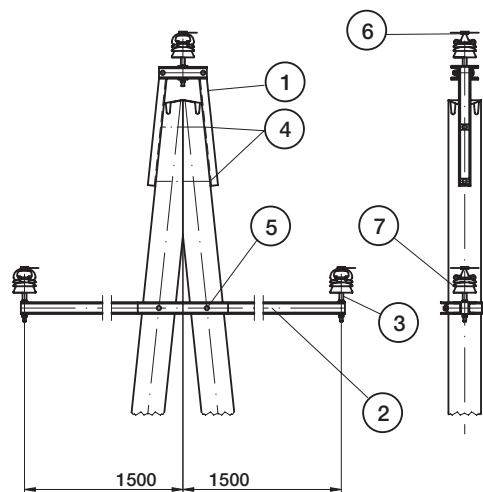
poz. [item]	kom. [pes]	naziv dijela [description]		str. [pgs]
1	1	nosač [support]	ČKv 311	40
2	1	konzola [crossarm]	ČKp 410	42
3	1	nosač potpornog izolatora [insulator pin]		102
4	4	dvostruki vijak M16x250 s podloškama [double bolt M16x250]		169
4a	4	dvostruki vijak M16x450 [double bolt M16x450]		169
5	6	zastavica [hinge]		135
6	6	jednostruki ili dvostruki izolatorski lanac/komplet/ [single or double insulator string/complete/]		120
7	1	potporni izolator [post insulator]		
8	6	strujna stezaljka [parallel groove clamp]		167



kutni nosni A-stup s čeličnim konzolama za potporne izolatore

angle suspension A-pole with steel crossarm for post insulators

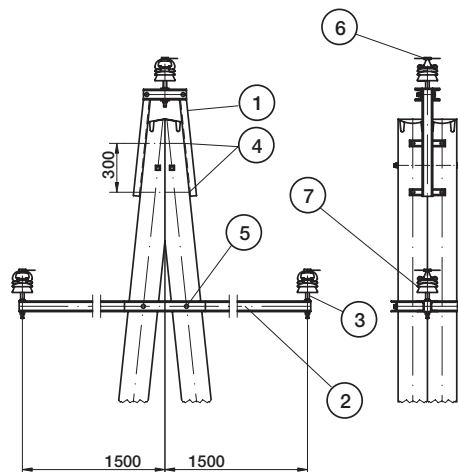
poz. [item]	kom. [pes]	naziv dijela [description]		str. [pgs]
1	1	nosač [support]	ČKv 311	40
2	1	konzola [crossarm]	ČKp 331	42
3	3	nosač potpornog izolatora [insulator pin]		102
4	2	dvostruki vijak M16x250 [double bolt M16x250]		169
5	2	dvostruki vijak M20x250 s podloškama [double bolt M20x250]		169
6	3	performirani vez [performed tie]		118
7	3	potporni izolator [post insulator]		



rasteretni dupli nosni A-stup s čeličnom konzolom za potporne izolatore

non reinforced double suspension A-pole with steel crossarm for post insulators

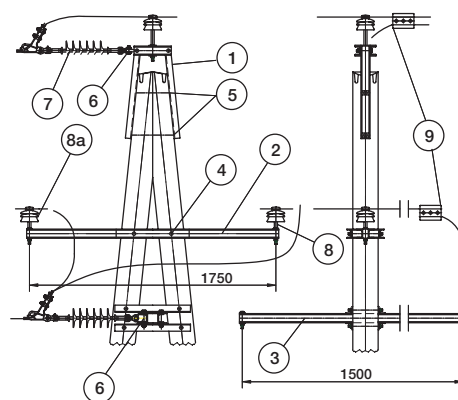
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	nosač [support]	ČKv 321 40
2	1	konzola [crossarm]	ČKp 341 42
3	3	nosač potpornog izolatora [insulator pin]	102
4	2	dvostruki vijak M16x250 [double bolt M16x250]	169
5	2	dvostruki vijak M20x250 [double bolt M20x250]	169
6	3	performirani vez [performed tie]	117
7	3	potporni izolator [post insulator]	



odcjepni drveni A-stup s čeličnim konzolama za potporne izolatore i zatezne izolatorske lance

branch wooden A-pole with steel crossarm for post insulators and tension insulators strings

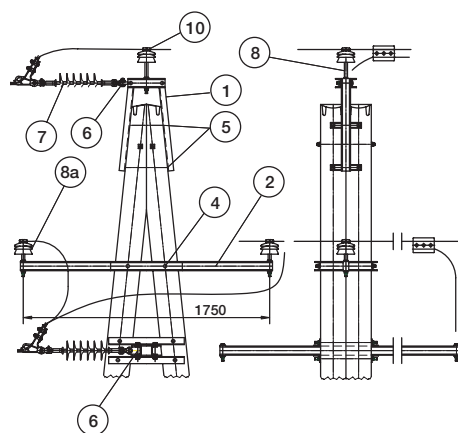
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	nosač [support]	ČKv 311 40
2	1	konzola [crossarm]	ČKp 311 41
3	1	odcjepna konzola [branch crossarm]	ČKp 500 43
4	6	vijak M16x250 [bolt M16x250]	169
5	2	vijak M20x450 [bolt M20x450]	169
6	3	zastavica [hinge]	135
7	3	jednostruki ili dvostruki izolatorski lanci [single or double tension strings]	120
8	3	nosač potpor. izolatora [pin insulator]	102
8a	3	potporni izolator [post insulator]	
9	3	strujna stezaljka [parallel groove clamp]	167



odcjepno-rasteretni dupli A-stup s čeličnim konzolama za potporne izolatore i zatezne izolatorske lance

branch-nonreinforced double wooden A-pole with steel crossarm for post insulators and tension insulator strings

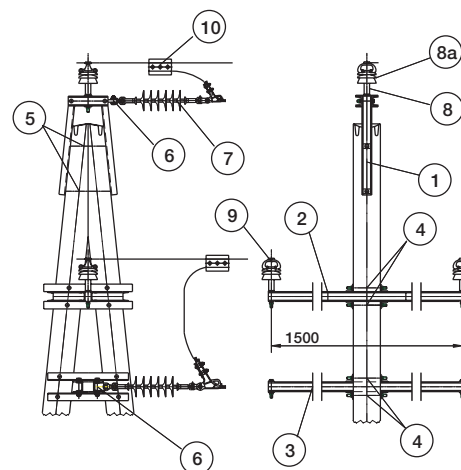
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	nosač [support]	ČKv 321 40
2	1	konzola [crossarm]	ČKp 321 42
3	1	odcjepna konzola [branch crossarm]	ČKp 500 43
4	6	vijak M16x450 [bolt M16x450]	169
5	4	vijak M20x500 [bolt M20x500]	169
6	3	zastavica [hinge]	135
7	3	jednostruki ili dvostruki izolatorski lanci [single or double tension strings]	120
8	3	nosač potpor. izolatora [pin insulator]	102
8a	3	potporni izolator [post insulator]	
9	3	strujna stezaljka [parallel groove clamp]	167
10	3	preformirani vez [preformed tie]	118



odcjepni drveni A-stup s čeličnim konzolama za potporne izolatore i zatezne izolatorske lance

branch wooden A-pole with steel crossarm for post insulators and tension insulator strings

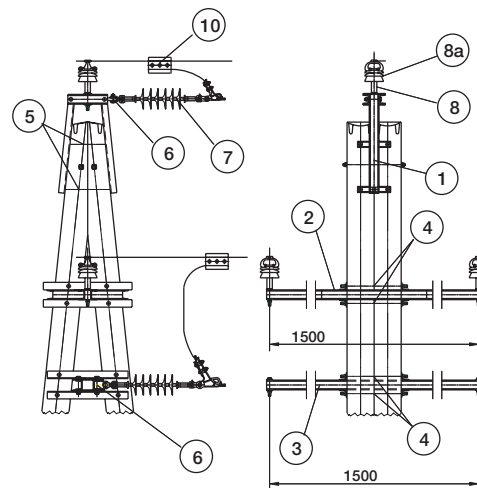
poz. [item]	kom. [pes]	naziv dijela [description]		str. [pgs]
1	1	nosač [support]	ČKv 311	40
2	1	konzola [crossarm]	ČKp 410	42
3	1	odcjepna konzola [branch crossarm]	ČKp 500	43
4	8	vijak M16x250 [bolt M16x250]		169
5	2	vijak M20x450 [bolt M20x450]		169
6	3	zastavica [hinge]		135
7	3	jednostruki ili dvostruki izolatorski lanci [single or double tension strings]		120
8	3	nosač potpor. izolatora [pin insulator]		102
8a	3	potporni izolator [post insulator]		
9	3	preformirani vez [preformed tie]		118
10	3	strujna stezaljka [parallel groove clamp]		167



odcjepno-rasteretni dupli drveni A-stup s čeličnim konzolama za potporne izolatore i zatezne izolatorske lance

branch-nonreinforced double wooden A-pole with steel crossarm for post insulators and tension insulator strings

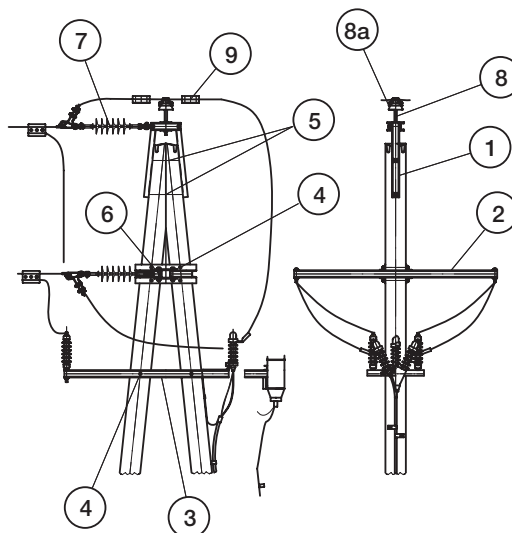
poz. [item]	kom. [pes]	naziv dijela [description]		str. [pgs]
1	1	nosač [support]	ČKv 321	40
2	1	konzola [crossarm]	ČKp 321	42
3	1	odcjepna konzola [branch crossarm]	ČKp 500	43
4	8	vijak M16x450 [bolt M16x450]		169
5	4	vijak M20x500 [bolt M20x500]		169
6	3	zastavica [hinge]		135
7	7	jednostruki ili dvostruki izolatorski lanci [single or double tension strings]		120
8	3	nosač potpor. izolatora [pin insulator]		102
8a	3	potporni izolator [post insulator]		
9	3	preformirani vez [preformed tie]		118
10	3	strujna stezaljka [parallel groove clamp]		167



odcjepno zatezni drveni A-stup s čeličnim konzolama za kabelsku glavu, potporne izolatore i zatezne izolacijske lance

branch-tension wooden A-pole with steel crossarm for cable head, post insulators and tension insulator strings

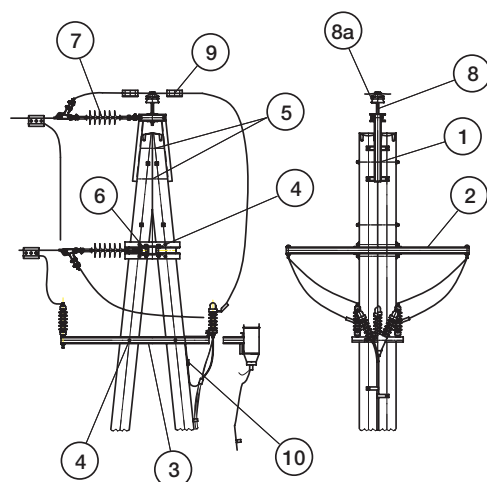
poz. [item]	kom. [pes]	naziv dijela [description]		str. [pgs]
1	1	nosač [support]	ČKv 311	40
2	1	konzola [crossarm]	ČKp 410	42
3	1	nosač kabelske glave [support of cable head]	ČKp 450	43
4	2	vijak M16x250 [bolt M16x250]		169
5	2	vijak M20x450 [bolt M20x450]		169
6	3	zastavica [hinge]		135
7	3	jednostruki ili dvostruki izolatorski lanci [single or double tension strings]		120
8	1	nosač potpornog izolatora [pin insulator]		102
8a	1	potporni izolator [post insulator]		
9	5	strujna stezaljka [parallel groove clamp]		167



odcjepno rasteretno zatezni dupli drveni A-stup s čeličnim konzolama za kableske glave, potporne izolatore i zatezne izolatorske lance

branch nonreinforced tension wooden A-pole with steel crossarm for cable head, post insulators and tension insulator strings

poz. [item]	kom. [pes]	naziv dijela [description]		str. [pgs]
1	1	nosač [support]	ČKv 321	40
2	1	konzola [crossarm]	ČKp 420	42
3	3	nosač kableske glave [support of cabel head]	ČKp 450	43
4	6	vijak M16x450 [bolt M16x450]		169
5	4	vijak M20x500 [bolt M20x500]		169
6	3	zastavica [hinge]		135
7	3	jednostruki ili dvostruki izolatorski lanci [single or double tension strings]		120
8	1	nosač potpornog izolatora [pin insulator]		102
8a	1	potporni izolator [post insulator]		
9	5	strujna stezaljka [parallel groove clamp]		167
10	1	križna stezaljka za uzemljanje [cross ground sclamp]		199



1

1a

2

2a

3

3a

4

5

5a

6

6a

6b

7

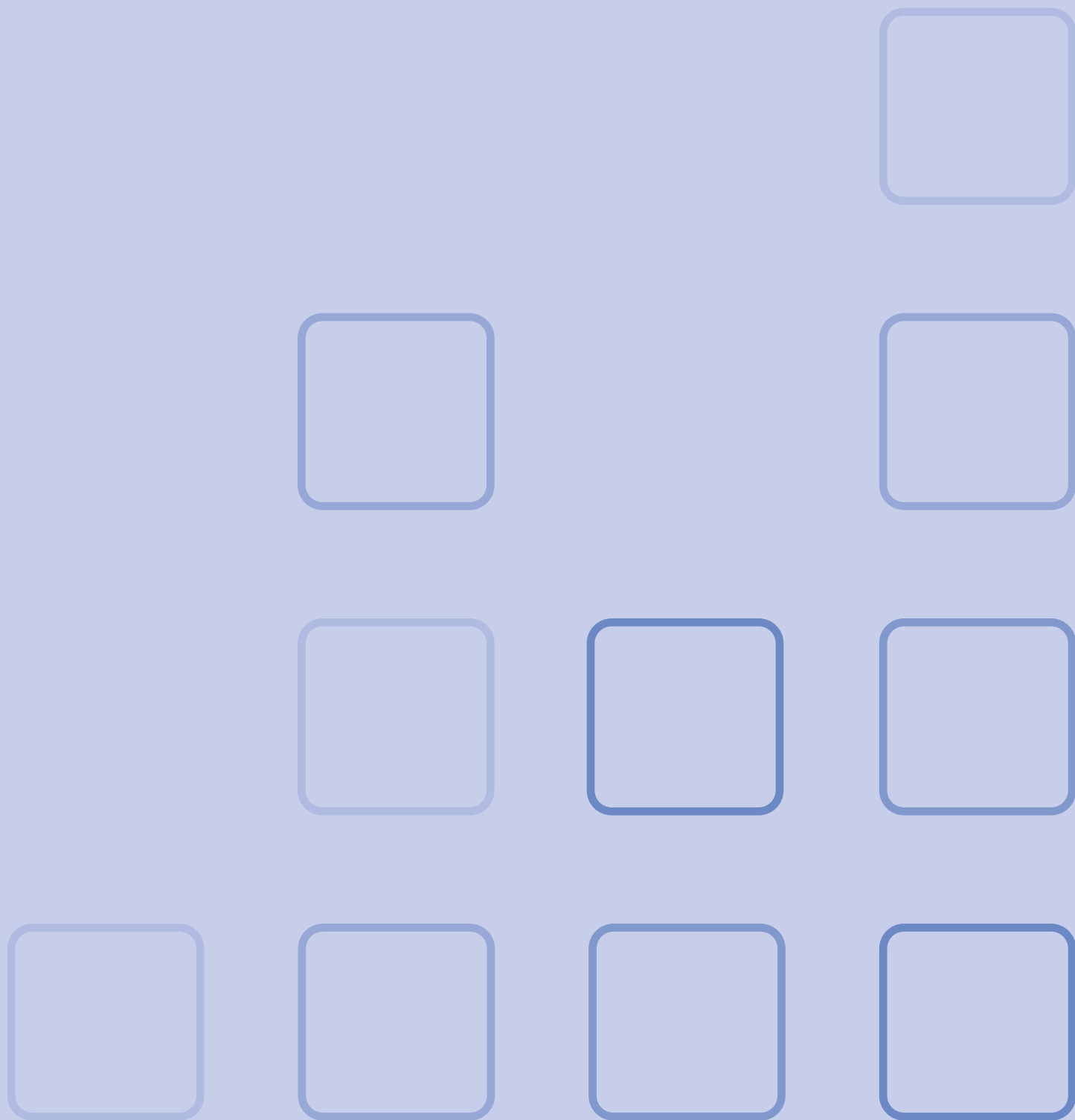
8

9

10

11

12



čelične konzole za drvene stupove TIP II
[steel crossarm braces for wooden poles TYPE II]



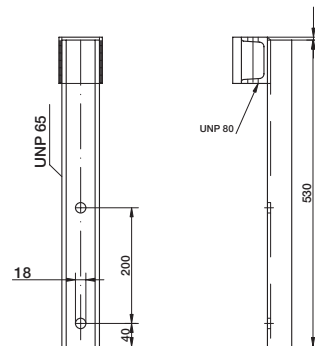
čelični nosač za vrh drvenog stupa tip ČKv111

steel support for top wooden pole type ČKv111

ČKv111

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 4,70 kg



čelični nosač za vrh drvenog stupa tip ČKv111

steel support for top wooden pole type ČKv111

① ČKv 121

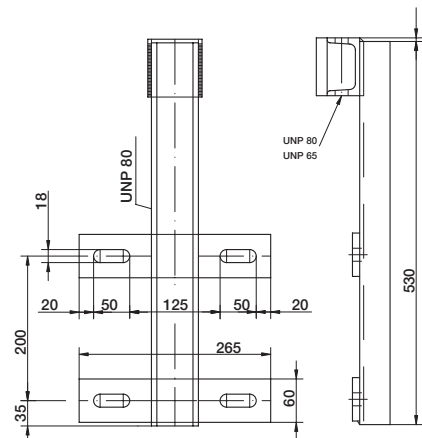
materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 6,70 kg

② ČKv 121v

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 8,00 kg

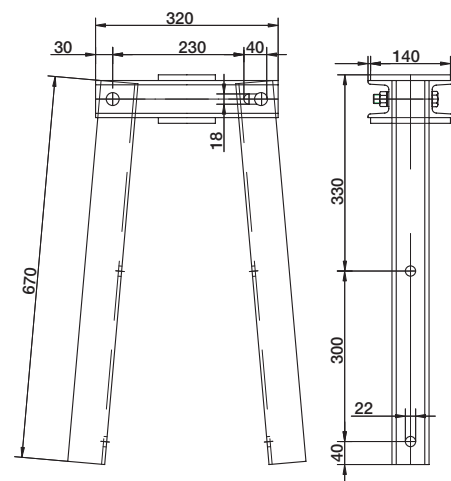


čelični nosač za vrh drvenog stupa tip ČKv311

steel support for top wooden pole type ČKv311

tip [type]	profil [profil]	masa [mass](kg)
ČKv311	u65	16.00
ČKv311v pojačan [reinforced]	u80	19.50

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

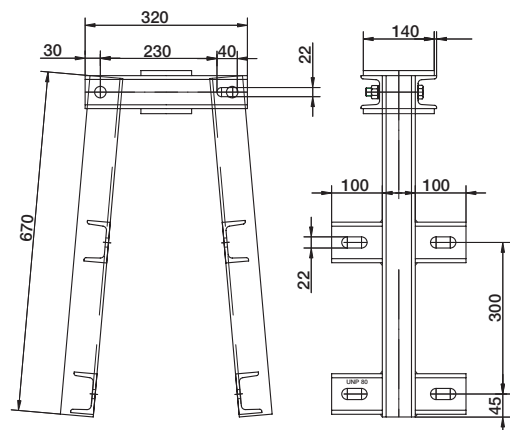


čelični nosač za vrh drvenog stupa tip ČKv321

steel support for top wooden pole type ČKv321

tip [type]	profil [profil]	masa [mass](kg)
ČKv321	u65	24.00
ČKv321v2 pojačan [reinforced]	u80	33.00
ČKv321v3 pojačan [reinforced]	u100	36.00

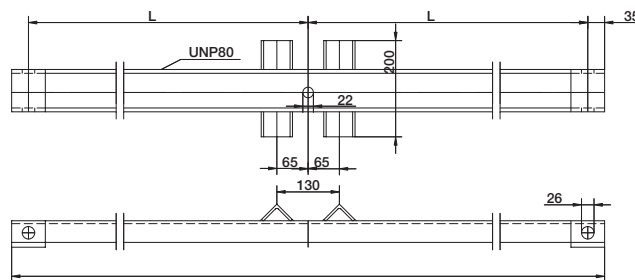
materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]



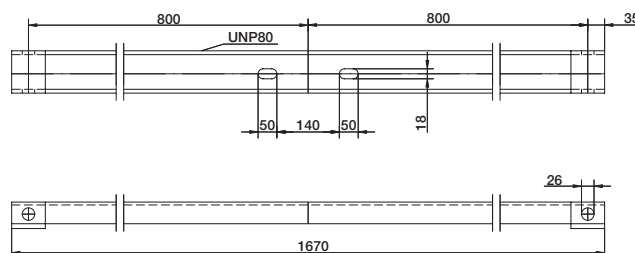
poprečna čelična konzola tip ČKp 111**steel crossarm type ČKp 111**

tip [type]	profil [profil]	dimenzije [dimension] L (mm) L1(mm)		masa [mass](kg)
ČKp111	u80	2270	800	23,00
ČKp111a	u80	1670	1100	17,00

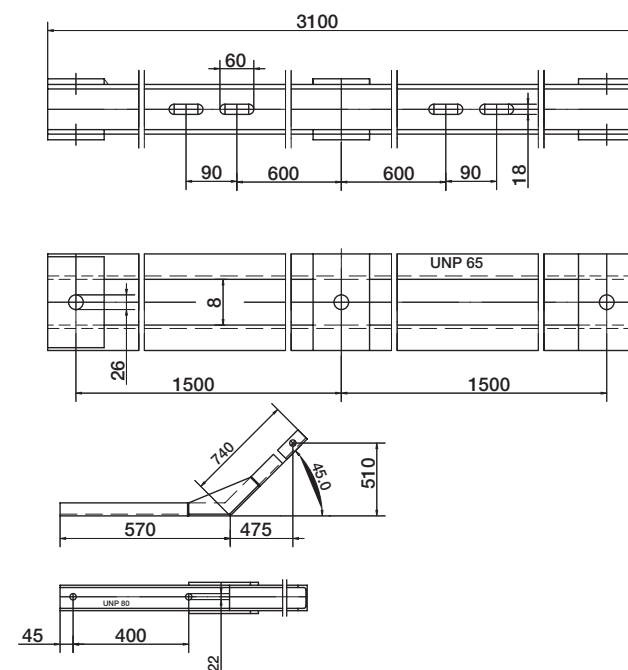
materijal: čelik, vruće pocinčano [steel, hot dip galvanized]

**poprečna čelična konzola tip ČKp 121****steel crossarm type ČKp 121**

ČKp 121				
materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]			
masa [mass]:	~ 14,00 kg			

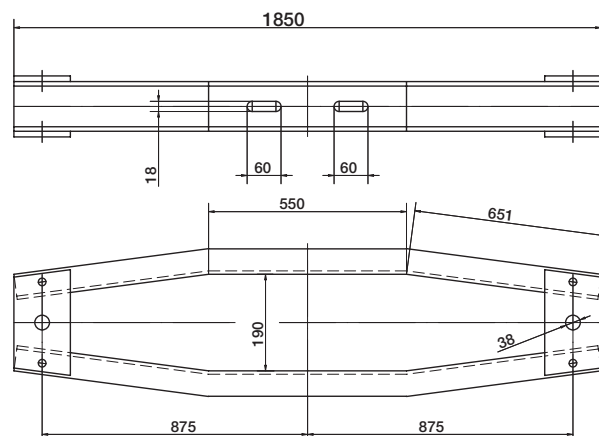
**poprečna čelična konzola sa poduporom tip ČKp 131****steel crossarm with strut type ČKp 131**

ČKp 131				
materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]			
masa [mass]:	~ 78,00 kg			

**poprečna čelična konzola tip ČKp 311****steel crossarm type ČKp 311**

tip [type]	profil [profil]	masa [mass](kg)
ČKp311	u65	30.50
ČKp311v	pojačan [reinforced]	36.00

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

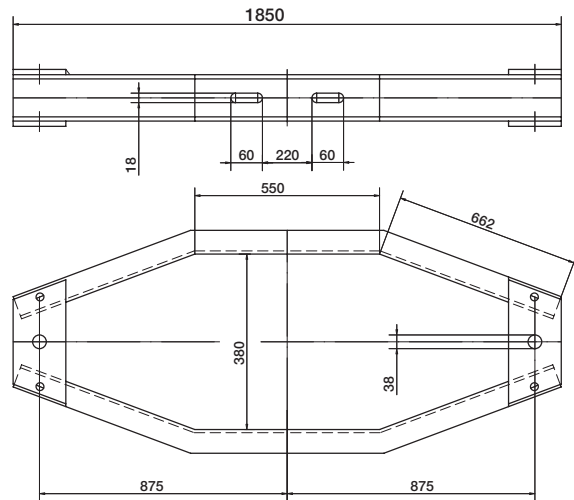


poprečna čelična konzola tip ČKp 321

steel crossarm type ČKp 321

tip [type]	profil [profil]	masa [mass](kg)
ČKp321	u65	30.00
ČKp321v pojačan [reinforced]	u80	35.00

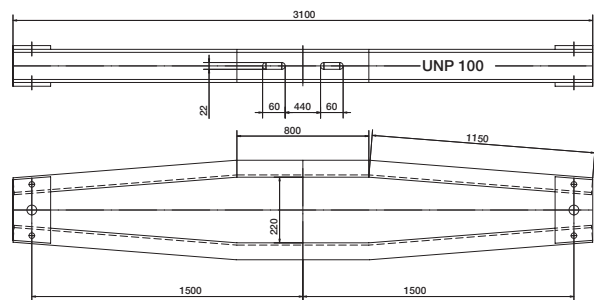
materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]



poprečna čelična konzola tip ČKp 331

steel crossarm type ČKp 331

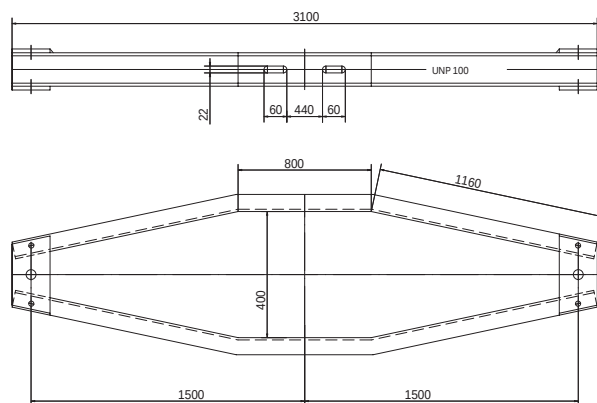
ČKp 331
materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]: ~ 68,00 kg



poprečna čelična konzola tip ČKp 341

steel crossarm type ČKp 341

ČKp 341
materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]: ~ 70,00 kg

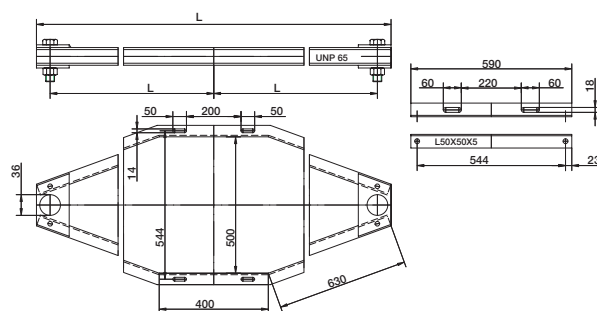


poprečna čelična konzola tip ČKp 410

steel crossarm type ČKp 410

tip [type]	profil [profil]	dimenzije [dimension] L (mm) L1(mm)	masa [mass](kg)
ČKp410	u65	1600 750	37.00
ČKp410V	u80	1600 750	43.00
ČKp410A	u65	2540 1220	58.00

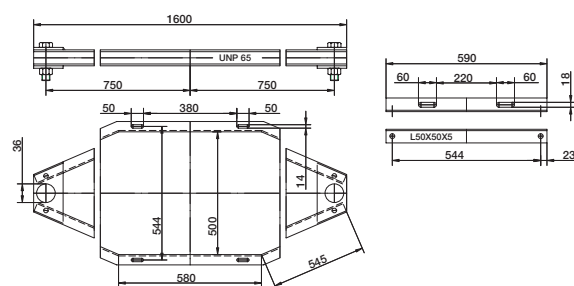
materijal: čelik, vruće pocinčano [steel, hot dip galvanized]



poprečna čelična konzola tip ČKp 420

steel crossarm type ČKp 420

ČKp 420
materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]: ~ 38,00 kg



1

1a

2

2a

3

3a

4

5

5a

6

6a

6b

7

8

9

10

11

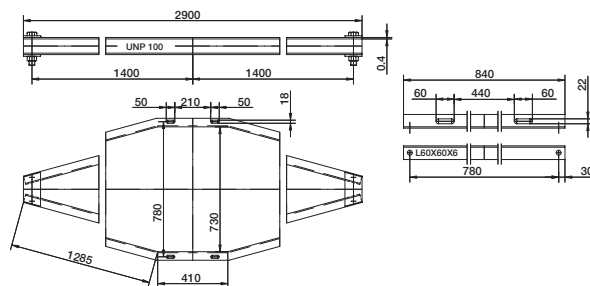
12

poprečna čelična konzola tip ČKp 430

steel crossarm type ČKp 430

ČKp 430

materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 91,00 kg

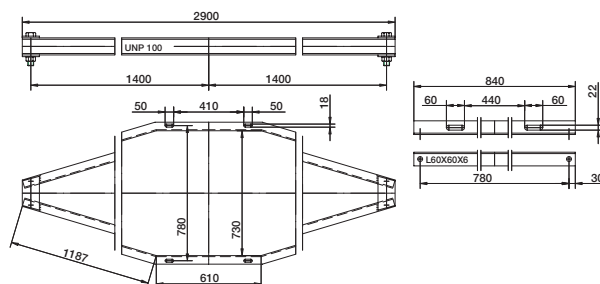


poprečna čelična konzola tip ČKp 440

steel crossarm type ČKp 440

ČKp 440

materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 92,00 kg

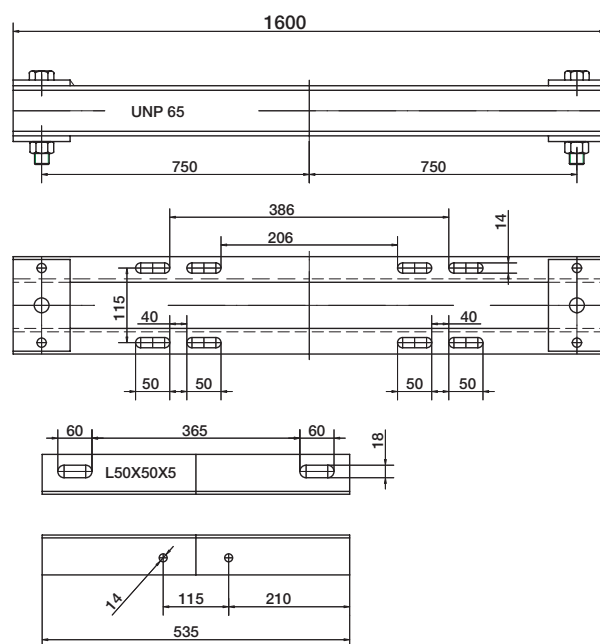


poprečna čelična konzola tip ČKp 500

steel crossarm type ČKp 500

tip [type]	profil [profil]	masa [mass](kg)
ČKp500	u65	35.00
ČKp500v	pojačan [reinforced]	41.00

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

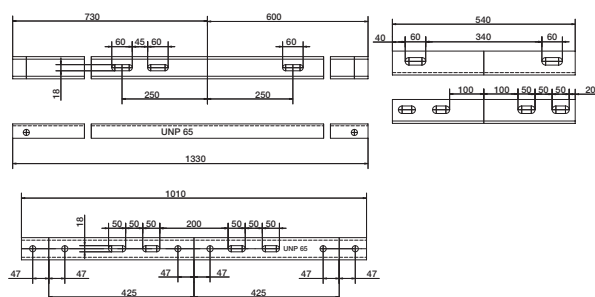


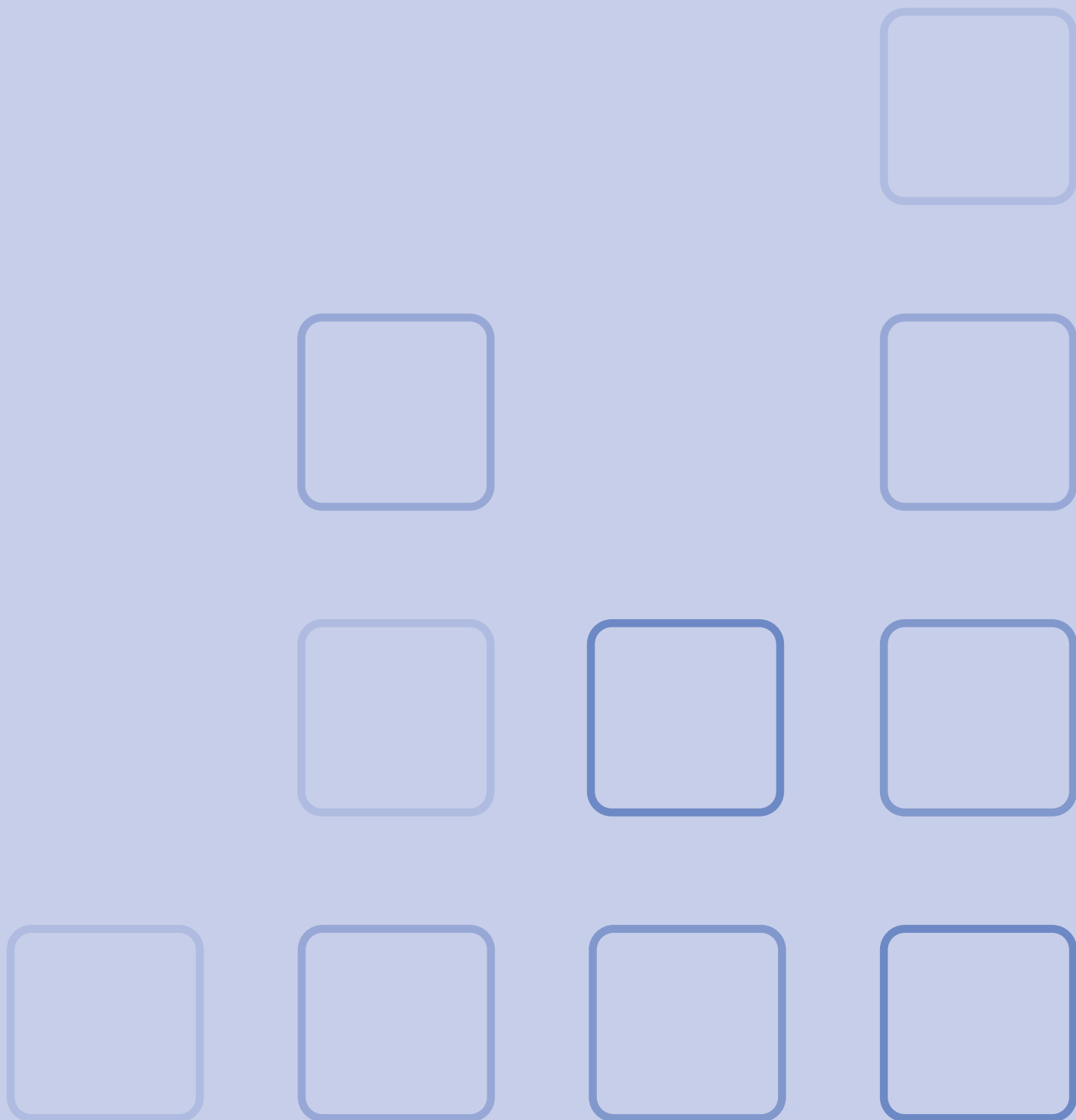
poprečna čelična konzola tip ČKp 450 za odvodnik prenapona

steel crossarm type ČKp 450 for surge arrester

ČKp 450

materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 46,00 kg





oprema za gole nadzemne elektroenergetske mreže 10,
20 i 35 kV na betonskim stupovima i čeličnim konzolama

[equipment for bare overhead electroenergetic networks 11,
22 and 35 kV at the concrete poles and crossarm braces]

3

1

nosni betonski stup s čeličnom konzolom tip-a "gama" za potporne izolatore

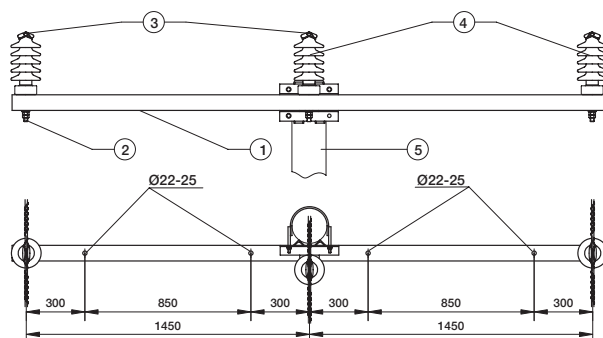
1a

suspension concrete pole with steel crossarm type "gama" for post insulator

2

2a

poz.[item]	opis [description]	str.[pgs]	kom.[pes]
5	betonski stup [concrete pole]		1
4	potporni izolator [post insulator]		3
3	preformirani vez [preformed tie]	115	3
2	nosač potpornog izolatora [pin insulator]	101	3
1	čelična konzola KČ3/18 GN... [steel crossarm]	50	1



3

3a

kutni, nosni, zatezni ili odcjepni betonski stup s čeličnom konzolom tip-a "gama" za potporne izolatore i zatezne izolatorske lance

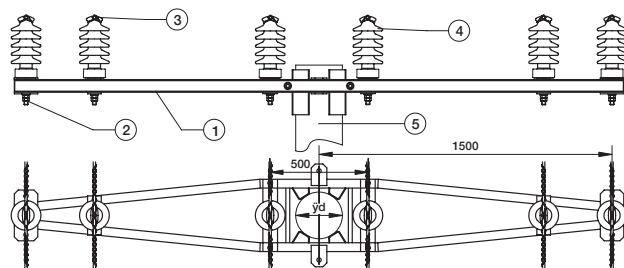
angle, suspension, tension or branch concrete pole with steel crossarm type "gama" for post insulator and tension insulator strings

4

5

5a

poz.[item]	opis [description]	str.[pgs]	kom.[pes]
5	betonski stup [concrete pole]		1
4	potporni izolator [post insulator]		6
3	preformirani vez [preformed tie]	115	6
2	nosač potpornog izolatora [pin insulator]	101	6
1	čelična konzola KČ10/26(nzo) [steel crossarm]	50	1



6

6a

6b

nosni betonski stup s čeličnom konzolom tip-a "delta" za potporne izolatore

suspension concrete pole with steel crossarm type "delta" for post insulator

7

8

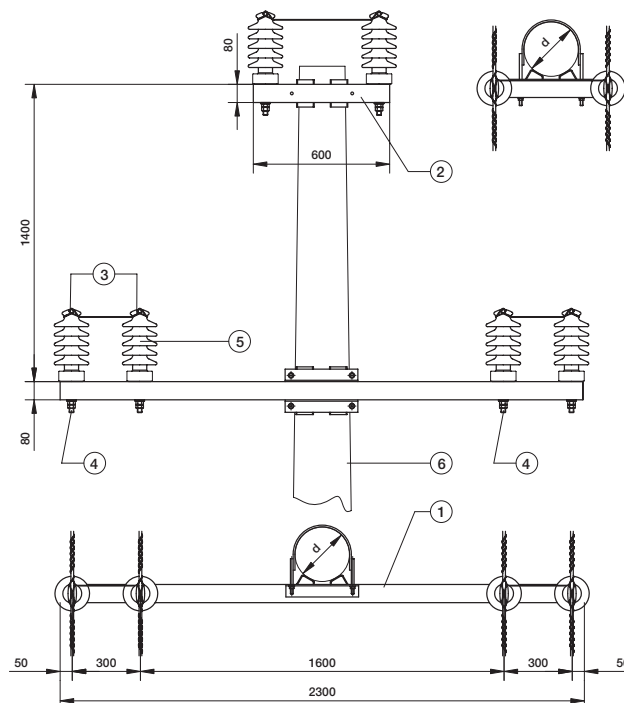
9

10

11

12

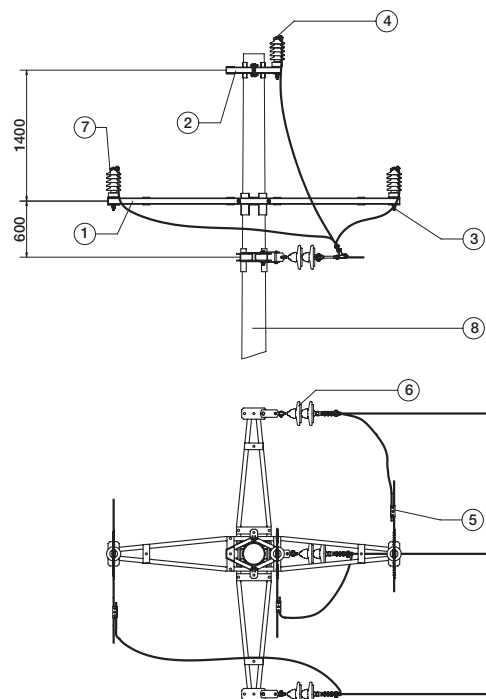
poz.[item]	opis [description]	str.[pgs]	kom.[pes]
6	betonski stup [concrete pole]		1
5	potporni izolator [post insulator]		6
4	nosač potpornog izolatora [pin insulator]	101	6
3	preformirani vez [preformed tie]	115	6
2	čelična mala konzola KČ3/15 dmn [steel small crossarm]	51	1
1	čelična velika konzola KČ3/17 dvn [steel large crossarm]	51	1



odcjepni betonski stup s čeličnim konzolama za potporne izolatore i zatezne izolatorske lance

branch concrete pole with steel crossarm for post insulators and tension insulator strings

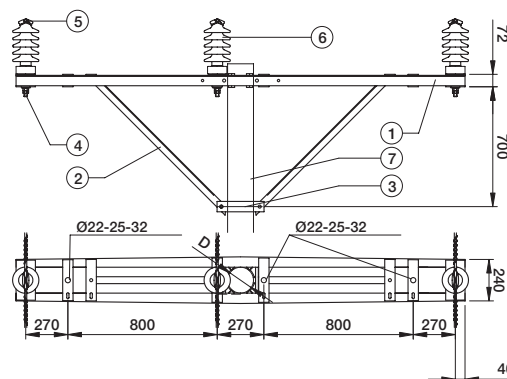
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	čelična velika konzola KČ 16/28 DV 2 Z(O) [steel large crossarm]	52
2	2	čelična mala konzola KČ/DM1 Z(O) [steel small crossarm]	51
3	3	nosač potpornog izolatora [pin insulator]	101
4	3	preformirani vez [preformed tie]	115
5	3	strujna stezaljka [parallel groove clamp]	167
6	3	jednostruki zatezni lanac [single tension strings]	124
7	3	potporni izolator [post insulator]	
8	1	betonski stup [concrete pole]	



nosni betonski stup s čeličnom konzolom i poduporom tip-a "gama" za potporne izolatore

suspension concrete pole with steel crossarm and strut type "gama" for post insulator

poz. [item]	kom. [pes]	naziv dijela [description]
1	1	čelična konzola ČKI 2510 [steel crossarm ČKI 2510]
2	2	čelična podupora ČPI 1025 [steel strut ČPI 1025]
3	1	obujmica stupa [pole band]
4	3	nosač potpornog izolatora [pin insulator]
5	3	preformirani vez [preformed tie]
6	3	potporni izolator [post insulator]
7	1	betonski stup [concrete pole]

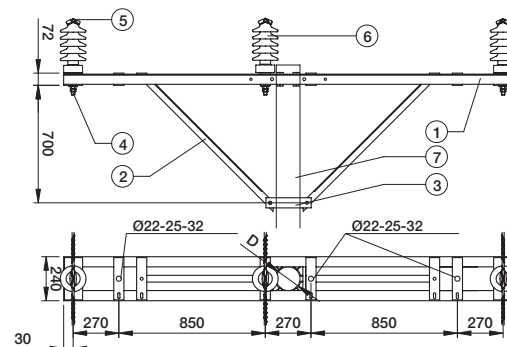


ød=180-220-260 (mm)

nosni betonski stup s čeličnom konzolom i poduporom tip-a "gama" za potporne izolatore

suspension concrete pole with steel crossarm and strut type "gama" for post insulator

poz. [item]	kom. [pes]	naziv dijela [description]
1	1	čelična konzola ČKI 2540 [steel crossarm ČKI 2540]
2	2	čelična podupora ČPI 990 [steel strut ČPI 990]
3	1	obujmica stupa [pole band]
4	3	nosač potpornog izolatora [pin insulator]
5	3	preformirani vez [preformed tie]
6	3	potporni izolator [post insulator]
7	1	betonski stup [concrete pole]

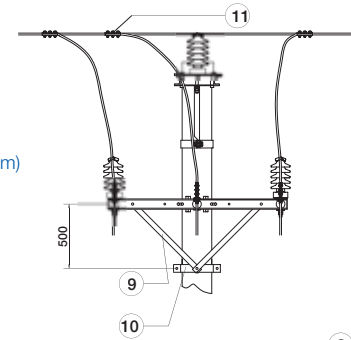
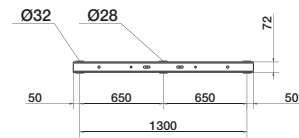
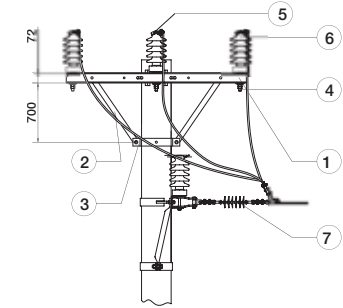


ød=120-140-175 (mm)

kutno-odcjepni betonski stup s čeličnim konzolama i poduporama za potporne izolatore i zatezne izolatorske lance

angle-branch concrete pole with steel crossarm and struts for post insulators and tension insulator strings

poz.[item]	opis [description]	str.[pgs]	kom.[pes]
11	strujna stezaljka [parallel groove clamp]	167	3
10	obujmica stupa [pole band]		1
9	čelična podupora ČPI 700 [steel strut]		2
8	čelična konzola čkoi 1300 [steel crossarm]		1
7	zatezni izolatorski lanac [tension insulator string]	167	3
6	potporni izolator [post insulator]		5
5	preformirani vez [preformed tie]	115	3
4	nosač potpornog izolatora [pin insulator]	101	5
3	obujmica stupa [pole band]		1
2	čelična podupora ČPI 800 [steel strut]		2
1	čelična konzola ČKI 1300 [steel crossarm]		1

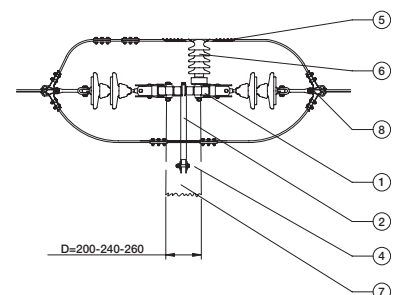
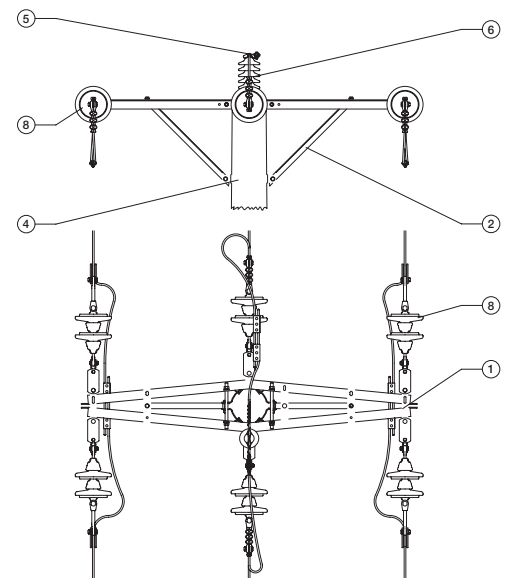


ød=200-240-260 (mm)

kutno-zatezni betonski stup s čeličnom konzolom i poduporom za potporni izolator i zatezne izolatorske lance

angle-tension concrete pole with steel crossarm and strut for post insulator and tension insulator strings

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
7	6	zatezni izol. lanac-kompl. [tension insul. string-compl.]	167
7	1	betonski stup [concrete pole]	
6	1	potporni izolator [post insulator]	
5	1	preformirani vez [preformed tie]	115
4	1	obujmica stupa [pole band]	
3	1	nosač potpornog izolatora [pin insulator]	101
2	2	čelična podupora ČPI 870 [steel strut ČPI 870]	
1	1	čelična konzola ČKI 2200 [steel crossarm ČKI 2200]	



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6a

6b

7

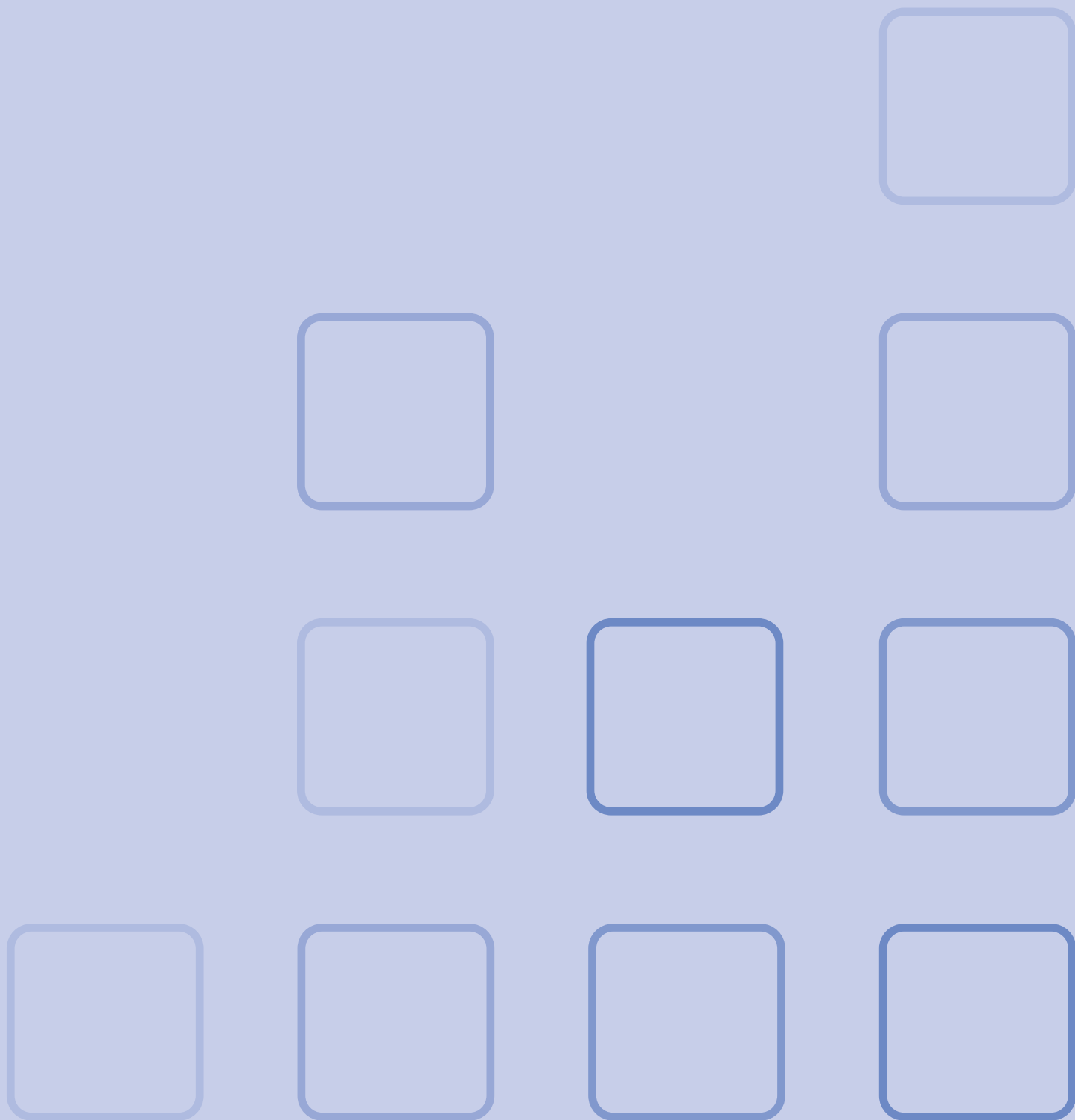
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čelične konzole za betonske stupove
[steel crossarm braces for concrete poles]



1

nosna čelična konzola za betonski stup tip "gama" KČ.../...gn

1a

suspension steel crossarm for concrete pole type "gama"

2

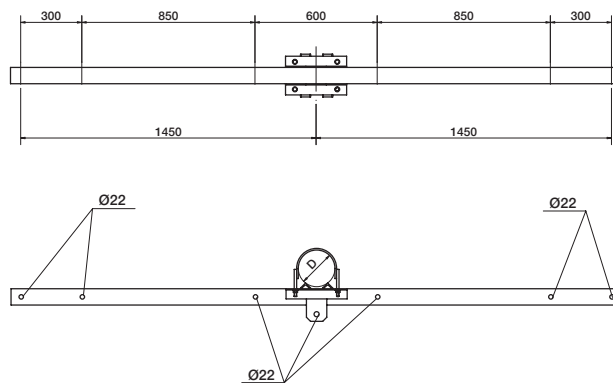
2a

3

3a

kat.broj čelične konzole cat.no steel crossarm	promjer betonskog stupa d [mm] diameter of concrete pole	masa[kg] mass[kg]
KČ 3/18 GN		42.0
KČ 3.15/14 GN	140-180	42.5
KČ 5/17 GN		43.2
KČ 6.3/17.5 GN		45.8
KČ 3.15/22 GN		42.8
KČ 6/22 GN	180-220	46.0
KČ 6.3/22 GN		46.8
KČ 12/22 GN		48.2
KČ 10/26 GN	245-285	48.5
KČ 12/26.5 GN		49.2

materijal: čelik, vruće pocinčano [steel, hot dip galvanized]



4

5

5a

6

6a

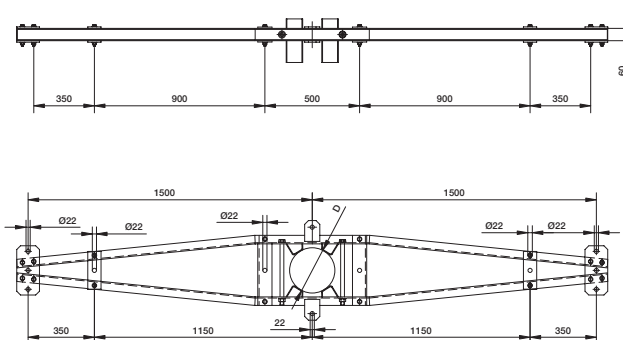
6b

kutna, nosna, zatezna ili odcjepna čelična konzola za betonski stup tip "gama" KČ..

angle, suspension, tension or branch steel crossarm for concrete pole type "gama"

kat.broj čelične konzole cat.no steel crossarm	promjer betonskog stupa d [mm] diameter of concrete pole	masa[kg] mass[kg]
KČ 10/26 (NZO)	240-260	68.0
KČ 12/22 (NZO)	239	73.0
KČ 12/26.7 (NZO)	240-265	74.4
KČ 15/22 (Z.O)	200-220	77.3
KČ 15/31 (Z.O)	290-310	79.4
KČ 16/26 (Z.O)	240-260	81.8
KČ 20/22 (Z.O)	200-240	83.0
KČ 20/31 (Z.O)	290-310	86.0
KČ 25/30.5 (Z.O)	290-310	88.5
KČ 31.5/30.5 (Z.O)	290-310	96.0

materijal: čelik, vruće pocinčano [steel, hot dip galvanized]



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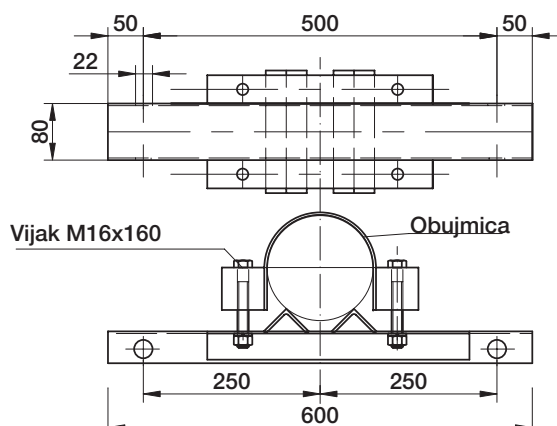
nosna, zatezna ili odcjepna čelična konzola za betonski stup tip "delta" KČ..

suspension, tension or branch steel crossarm for concrete pole type "delta"

"delta" mala konzola DM

"delta" small crossarm

materijal: čelik, vruće pocinčano [steel, hot dip galvanized]



kat.broj čelične konzole cat.no steel crossarm	promjer betonskog stupa d [mm] diameter of concrete pole	masa[kg] mass[kg]
KČ 3/15 dmn	130-150	24.50
KČ 3/17 dmn	150-170	24.90
KČ 3/18 dmn	160-180	25.00
KČ 3/20 dmn	180-200	27.20
KČ 3.15/14 dmn	140-160	
KČ 3.15/16 dmn	160-180	
KČ 3.15/22 dmn	200-240	
KČ 3.15/24 dmn	240-280	
KČ 5/17 dmn	160-180	
KČ 5/19 dmn	180-200	
KČ 6.3/17,5 dmn	160-180	
KČ 6.3/20 dmn	180-200	
KČ 6.3/22 dmn	200-240	
KČ 6.3/24 dmn	240-280	
KČ 10/26 dmn	200-240	
KČ 10/28 dmn	240-280	
KČ 12/22 dmn	200-240	
KČ 12/24 dmn	240-280	
KČ 12/26,5 dmn	240-280	
KČ 12/28,5 dmn	280-320	
KČ 16/26 dmn	240-280	
KČ 16/28 dmn	280-320	

kutna, nosna, zatezna ili odcjepna čelična konzola za betonski stup "delta" KČ.../D...

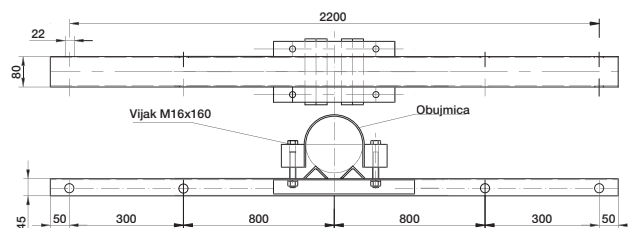
angle, suspension, tension or branch steel crossarm for concrete pole "delta"

kat.broj čelične konzole cat.no steel crossarm	promjer betonskog stupa d [mm] diameter of concrete pole	masa[kg] mass[kg]
KČ 12/22 DM1 N(Z,O)	200-240	47.00
KČ 12/24 DV1 N(Z,O)	200-240	48.20
KČ 12/26.5 DM1 N(Z,O)	240-280	50.00
KČ 12/28.5 DV1 N(Z,O)	280-320	50.80
KČ 20/22 DM1 Z(O,N)	200-240	51.80
KČ 20/24 DV1 Z(O,N)	240-280	52.50

"delta" velika konzola... DV

"delta" large crossarm... DV

materijal: čelik, vruće pocinčano [steel, hot dip galvanized]

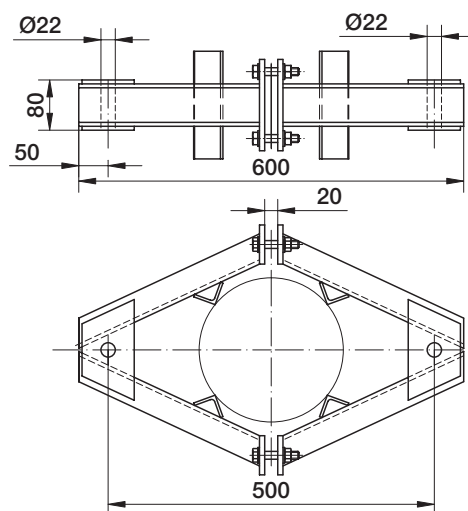


delta-mala konzola...DM1

delta-small crossarm...DM1

materijal: čelik, vruće pocinčano [steel, hot dip galvanized]

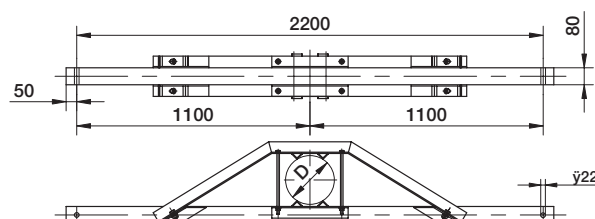
masa: 17.0 kg



delta-velika konzola...DV1

delta-large crossarm...DV1

materijal: čelik, vruće pocinčano [steel, hot dip galvanized]

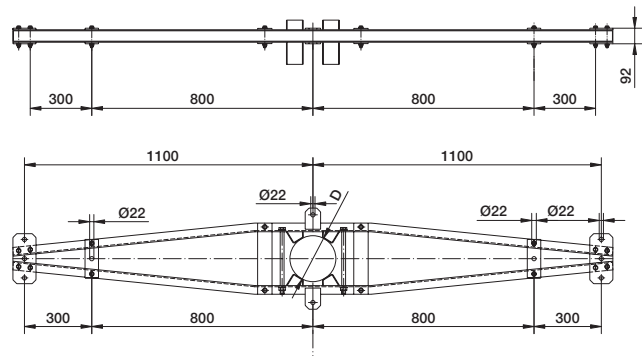


delta-velika konzola...DV2 (zatezna, odcjepna)

delta-large crossarm...DV2 (tension, branch)

kat.broj čelične konzole cat.no steel crossarm	promjer betonskog stupa d [mm] diameter of concrete pole	masa[kg] mass[kg]
KČ 16/26 DM1z(0)	240-280	58.0
KČ 16/28 DV2z(0)	280-320	59.0
KČ 20/22 DM1z(0)	200-240	59.5
KČ 20/24 DV2z(0)	240-280	61.5
KČ 22/31 DM1z(0)	280-320	
KČ 22/33 DV2z(0)	320-360	
KČ 25/30,5 DM1z(0)	280-320	
KČ 25/32,5 DV2z(0)	320-360	
KČ 31,5/30,5 DM1z(0)	280-320	
KČ 31,5/32,5 DV2z(0)	320-360	

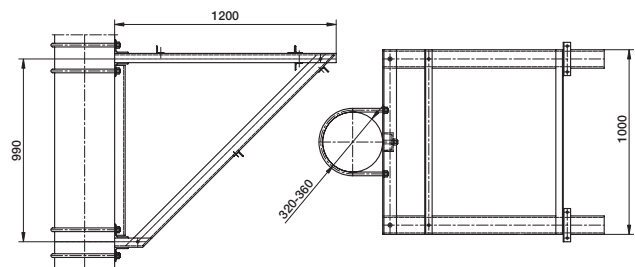
materijal: čelik, vruće pocinčano [steel, hot dip galvanized]

**čelični nosač transformatorske stanice na betonskom stupu tip ČN TS1**

steel support of transformer terminal at the concrete pole type ČN TS1

ČN TS1360

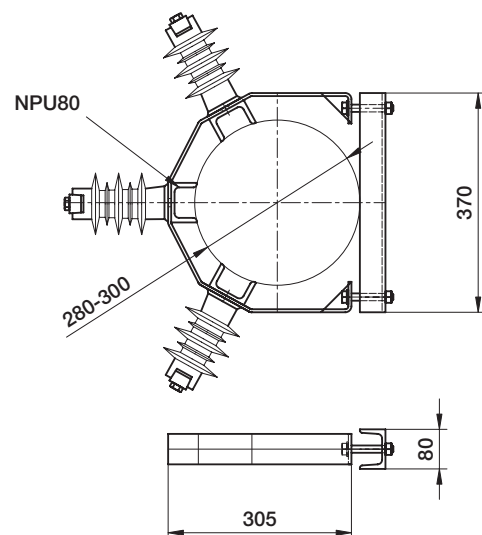
materijal: čelik, vruće pocinčano [steel, hot dip galvanized]

**čelični nosač odvodnika prenapona na betonskom stupu tip ČN OP2 300**

steel support of surge arrester at the concrete pole type ČN OP2 300

ČN OP2 300

materijal: čelik, vruće pocinčano [steel, hot dip galvanized]



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6a

6b

7

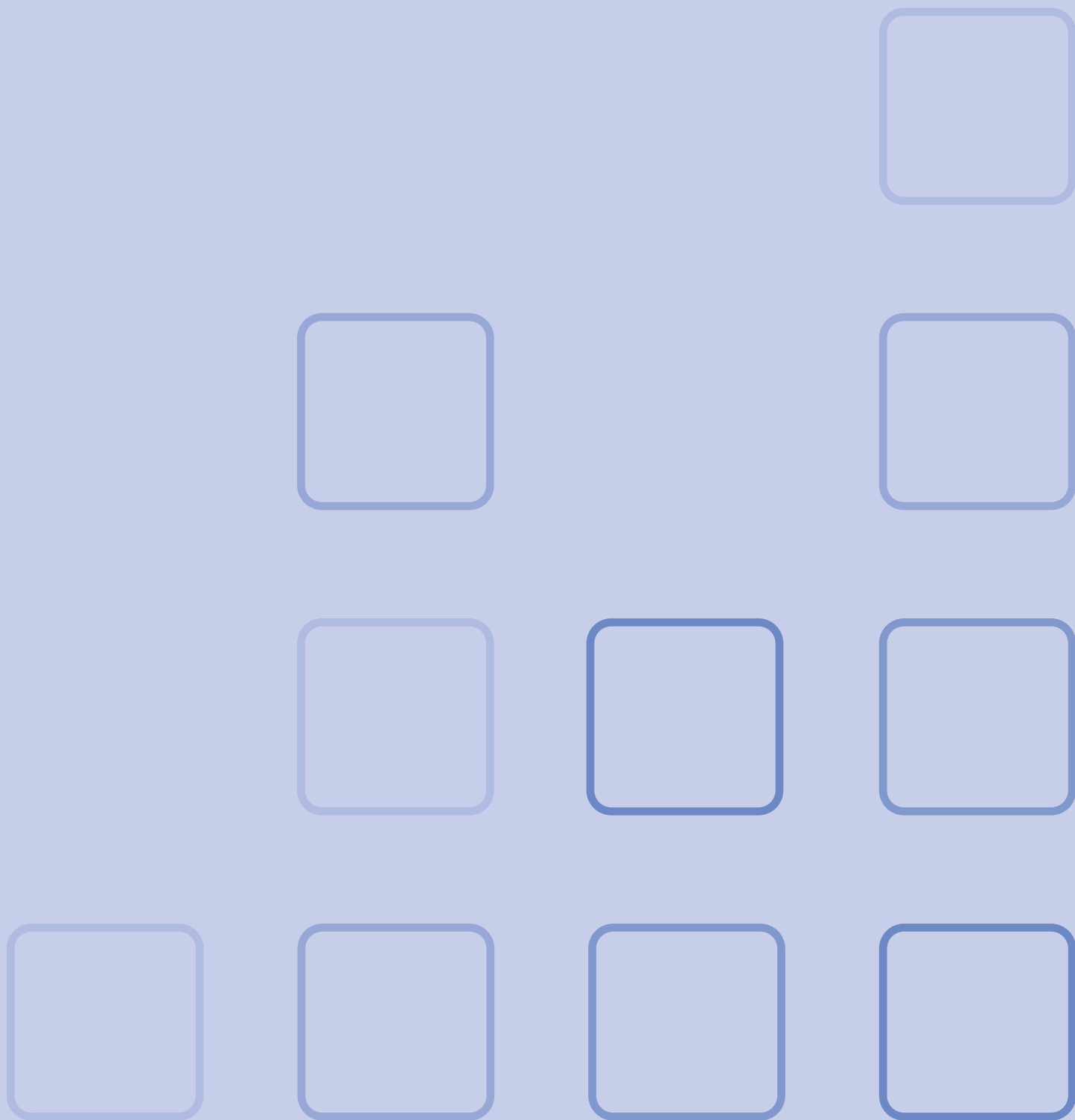
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**oprema za gole nadzemne elektroenergetske mreže 10, 20 i
35 kV na betonskim stupovima i betonskim konzolama**

[equipment for bare overhead electroenergetic networks 11,
22 and 35 kV at the concrete poles and concrete crossarm]

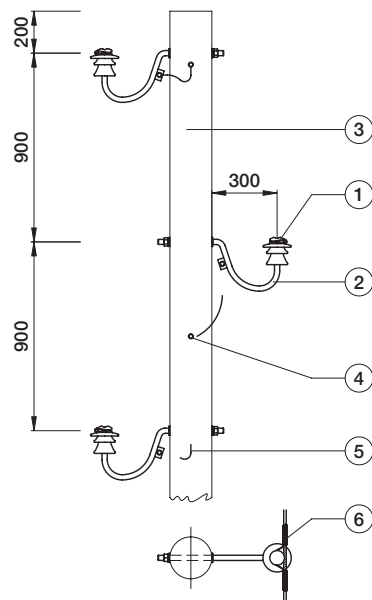
4

jednostruko nosno ovješeno vodiča za betonski stup oblik glave stupa jela

single suspension set for concrete pole type jela

koristi se kod rekonstrukcije postojećih vodova izvedenih na drvenim stupovima
[use by reconstruction existing nets that are made at the wooden poles]

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
6	3	križni vez [crossed tie]	117
5	3	Cu - uže 16 mm ² ili X00-a 70 mm ² za uzemljenje [Cu - wire for earthing]	
4	6	kompresiona kabelska stopica [compression cable lug]	159
3	1	betonski stup nosivi N ili nosivi ojačani NO 12m do 15m [suspension concrete pole or reinforced suspension]	
2	3	podupora [insulator pin]	99
1	3	potporni izolator [post insulator D175 (VHD 20) HRN N.F1.105]	

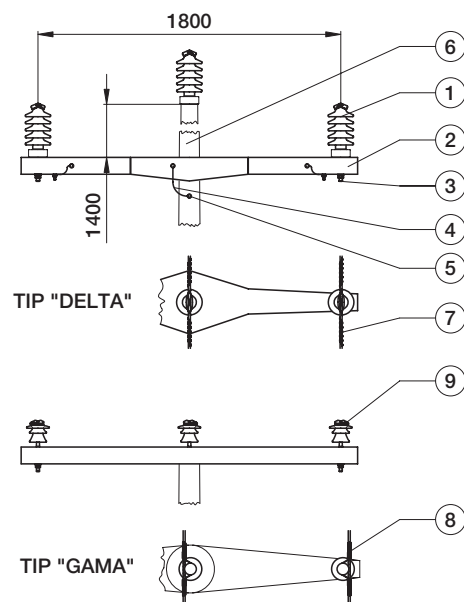


jednostruko nosno ovješeno vodiča za betonski stup oblik glave stupa delta i gama

single suspension set for concrete pole type delta and gama

koristi se bez vršne betonske konzole
[use without upper small concrete crossarm]

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
9	3	potporni izolator [post insulator VHD 20]	
8	3	križni vez [crossed tie]	117
7	3	središnji vez [central tie]	115
6	1	betonski stup nosivi NP ili ojačani NOP 12m do 15m [suspension concrete pole]	
5	6	kompresiona kabelska stopica 70 mm ² [compression cable lug]	159
4	3	Cu - uže 16 mm ² ili X00-a 70 mm ² [Cu - wire]	
3	3	ravna podupora M20 za izolatore [insulator pin]	101
2	1	velika betonska konzola [large concrete crossarm]	
1	3	potporni izolator [post insulator R12.5 ET 125 N(L)]	

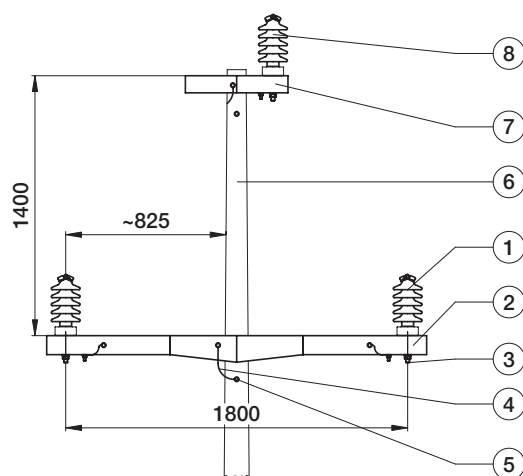


jednostruko nosno ovješeno vodiča za betonski stup oblik glave stupa delta

single suspension set for concrete pole type delta

koristi s gornjom malom betonskom konzolom
[use with upper small concrete crossarm]

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
8	3	križni vez [crossed tie]	117
7	1	betonski stup N ili ojačani NO 12m do 15m [suspension small concrete crossarm]	
6	1	betonski stup nosivi N ili nosivi ojačani NO 12m do 15m [suspension concrete pole or reinforced suspension]	
5	10	kompresiona kabelska stopica 70 mm ² [compression cable lug]	159
4	5	Cu - uže 16 mm ² ili X00-a 70 mm ² [Cu - wire or conductor]	
3	3	ravna podupora M20 za izolatore [pin insulator]	101
2	1	nosiva velika betonska konzola [large suspension concrete crossarm]	
1	3	potporni izolator [post insulator R12.5 ET 125 N(L)]	



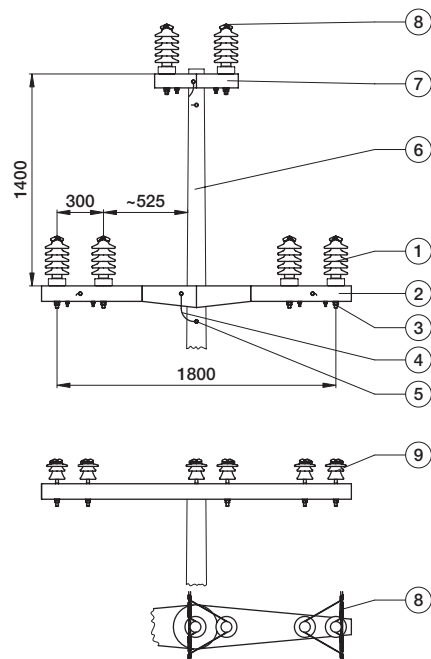
dvostruko nosno ovješanje vodiča za betonski stup oblik glave stupa delta i gama

double suspension set for concrete pole type delta and gama

koristi s vršnom betonskom konzolom

[use with upper small concrete crossarm]

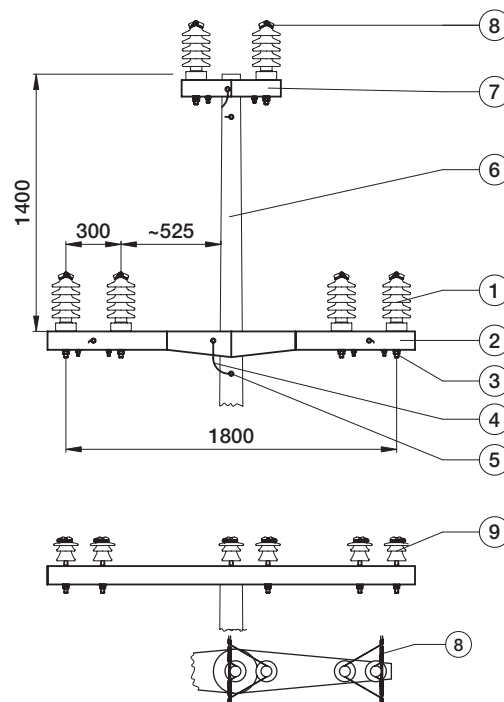
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
9	6	potporni izolator [post insulator VHD 20]	
8	3	dvostruki preformirani vez [double preformed tie]	114
7	1	nosna mala NN ojačana NMO betonska konzola [small suspension crossarm]	
6	1	betonski stup nosivi N ili ojačani NO 12m do 15m [concrete pole]	
5	16	kompresiona kabelska stopica 70 mm ² [compression cable lug]	159
4	8	Cu - uže 16 mm ² ili X00-a 70 mm ² [Cu - wire]	
3	6	ravna podupora M20 za izolatore [pin insulator]	101
2	1	nosiva velika betonska konzola [large suspension concrete crossarm]	
1	6	potporni izolator [post insulator R12.5 ET 125 N(L)]	



kutno-dvostruko nosno zatezna ovješanja vodiča za betonski stup oblik glave stupa delta i gama

angle-double suspension or tension set for concrete pole type delta and gama

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
9	6	potporni izolator [post insulator VHD 20]	
8	3	dvostruki preformirani vez [double preformed tie]	114
7	1	nosna mala NN ili ojačana NMO betonska konzola [small suspension crossarm]	
6	1	betonski stup nosivi N ili ojačani NO 12m do 15m [concrete pole]	
5	16	kompresiona kabelska stopica 70 mm ² [compression cable lug]	159
4	8	Cu - uže 16 mm ² ili X00-a 70 mm ² [Cu - wire]	
3	6	ravna podupora M20 za izolatore [pin insulator]	101
2	1	nosiva velika betonska konzola [large suspension concrete crossarm]	
1	6	potporni izolator [post insulator R12.5 ET 125 N(L)]	



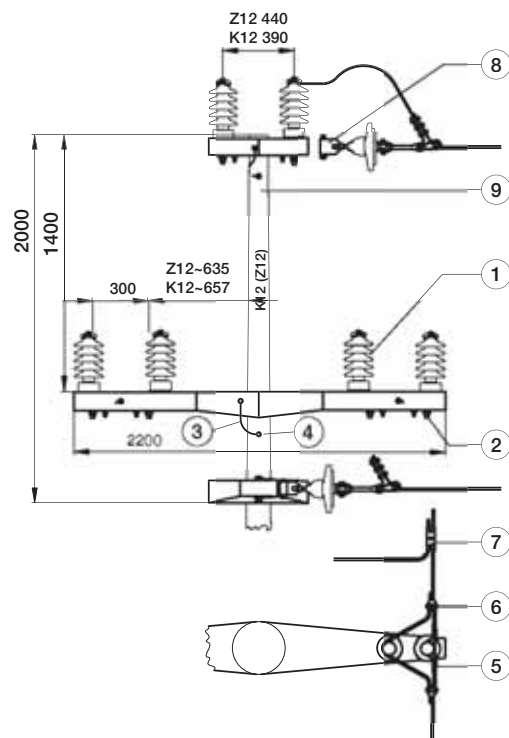
kutno-odcjepni betonski stup s betonskim konzolama za potporne izolatore i zatezne izolatorske lance

angle-branch concrete pole with concrete crossarm for post insulators strings and tension insulator

moгуće su sve varijante zavješanja vodiča na glavnom vodu i zateznim izolatorskim lancima na odcjepnom vodu

[all of variante attachment conductors on the main line are possible and tension insulator strings on the branch line]

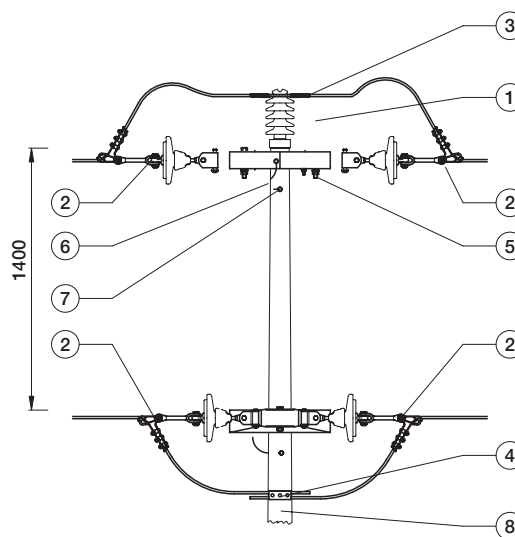
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
9	6	kutni-odcjepni betonski stup [angle-branch concrete pole]	
8	6	jednostruki zatezni lanac [single tension set]	120
7	8	strujna stezaljka [parallel groove clamp]	167
6	16	završna stezaljka [dead-end clamp]	154
5	6	križni vez [crossed tie]	116
4	6	kompresiona kabelska stopica 70 mm ² [compression cable lug]	159
3	3	Cu - uže 16 mm ² za uzemljenje [Cu - wire 16 mm ² for earthing]	
2	3	nosač potpornog izolatora [pin insulator]	101
1	1	potporni izolator [post insulator R12.5 ET 125 N(L)]	



kutni rasteretni zatezni betonski stup s betonskim konzolama i zateznim izolatorskim lancima

angle non reinforced tension concrete pole with concrete crossarms and tension insulator strings

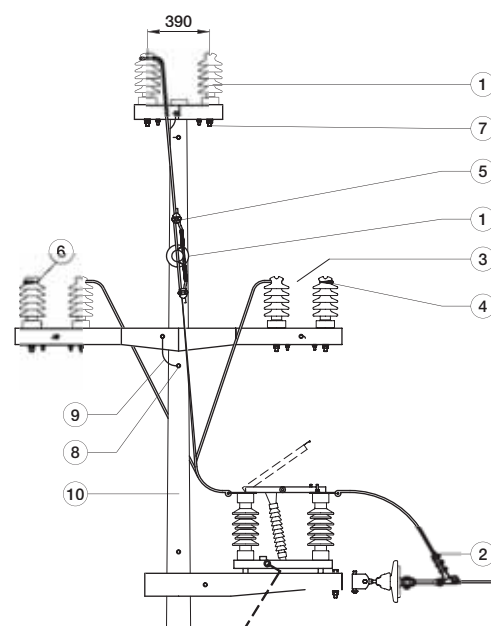
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
8	1	betonski stup [concrete pole]	
7	10	kompresiona kabelska stopica [compression cable lug]	159
6	5	Cu - uže 16 mm ² za uzemljenje [Cu - wire 16 mm ² for earthing]	
5	1	nosač potpornog izolatora [compression cable lug]	101
4	2	strujna stezaljka [parallel groove clamp]	167
3	1	preformirani vez [preformed tie]	117
2	6	jednostruki zatezni lanac-komplet [single tension string-complete]	120
1	1	potporni izolator [post insulator R12.5 ET 125 N(L)]	



odcjepni betonski stup s betonskim konzolama za linijski rastavljač, potporne izolatore i zatezne izolatorske lance

branch concrete pole with concrete crossarm for line disconnector, post insulators and tension insulator strings

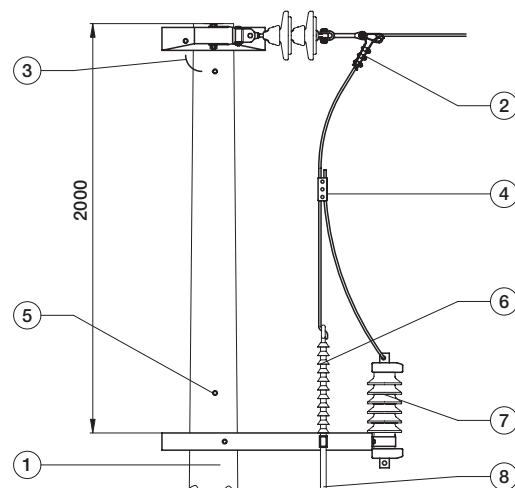
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
10	1	betonski stup [concrete pole]	
9	8	Cu - uže 16 mm ² za uzemljenje [Cu - wire 16 mm ² for earthing]	
8	16	kompresiona kabelska stopica [compression cable lug]	159
7	7	nosač potpornog izolatora [pin insulator]	101
6	3	strujna stezaljka [parallel groove clamp]	167
5	8	završna stezaljka [dead-end clamp]	154
4	3	strujna stezaljka [parallel groove clamp]	167
3	6	preformirani vez [preformed tie]	117
2		jednostruki zatezni lanac-komplet [single tension string-complete]	120
1	7	potporni izolator [post insulator R12.5 ET 125 N(L)]	



prikaz prijelaza zračnog voda u kabelski vod

present crossing voltage transmission line in the voltage cable line

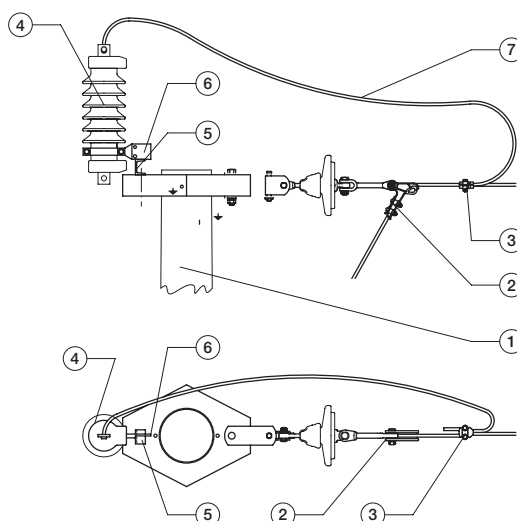
poz. [item]	naziv dijela [description]	str. [pgs]
8	kabel 20 kV [cable 20 kV]	
7	odvodnik prednapona [surge arrester]	
6	kabelska glava [cable head]	
5	kompresiona kabelska stopica [compression cable lug]	159
4	strujna stezaljka [parallel groove clamp]	167
3	Cu - uže 16 mm ² za uzemljenje [Cu - wire 16 mm ² for earthing]	
2	jednostruki zatezni lanac-komplet [single tension string-complete]	120
1	betonski stup [concrete pole]	



prikaz odvodnika prednapona na maloj (vršnoj) betonskoj konzoli zadnjeg zateznog betonskog stupa sa jednostrukim zateznim lancem

present surge arrester on the small concrete crossarm end of tension concrete pole with single tension string

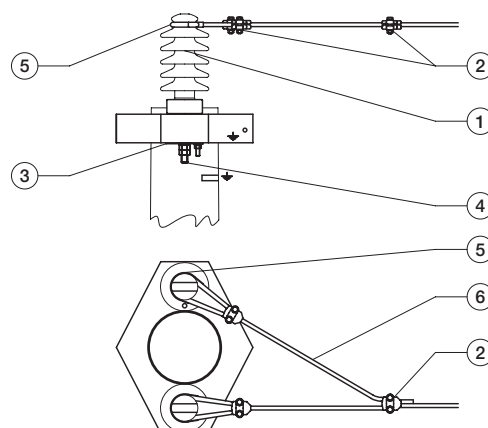
poz. [item]	naziv dijela [description]	str. [pgs]
7	Al/Č uže 35/6 (50/89) mm ² [conductor ACSR]	
6	ploča [plate]	200
5	U - 65 profil [U - 65 profile]	
4	odvodnik prednapona [surge arrester]	
3	završna stezaljka [dead-end clamp]	154
2	jednostruki zatezni lanac-komplet [single tension string-complete]	120
1	betonski stup [concrete pole]	



prikaz zateznog zavješanja sa dva potporna izolatora na maloj betonskoj konzoli

present tension attachment with two post insulators on the small concrete crossarm

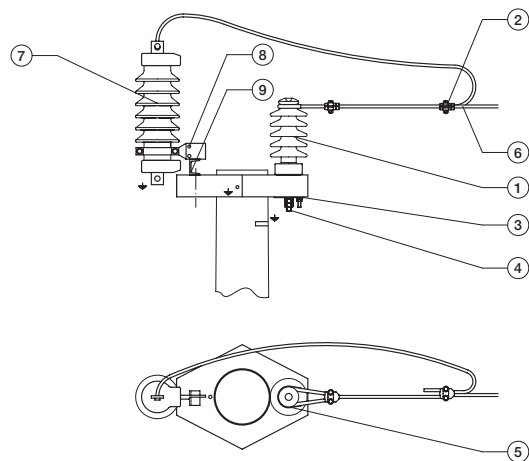
poz. [item]	naziv dijela [description]	str. [pgs]
6	Al/Č uže 35/6 (50/89) mm ² [conductor ACSR]	
5	Al traka 10x1 mm [Al band]	
4	nosač potpornog izolatora [pin insulator]	101
3	podložna pločica 120x120x5 [washer]	
2	završna stezaljka [dead-end clamp]	154
1	potporni izolator (R 12.5 ET) [concrete pole]	



prikaz odvodnika prenapona na maloj (vršnoj) betonskoj konzoli zadnjeg zateznog betonskog stupa sa potpornim izolatorom

present surge arrester on the small concrete crossarm end of tension concrete pole with post insulator

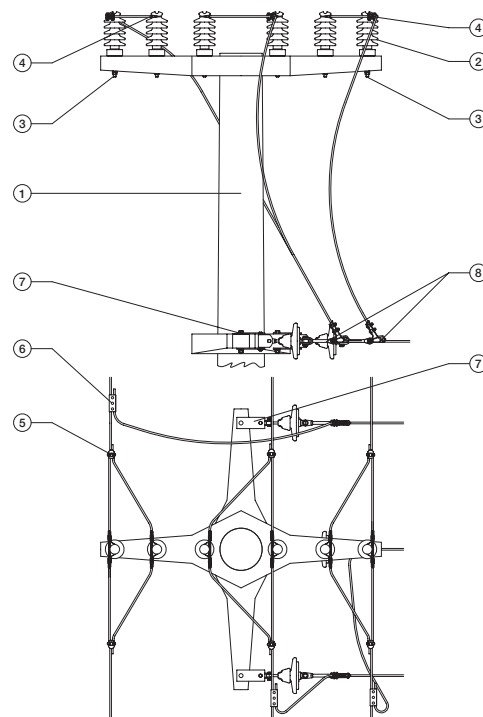
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
9		U - 65 profil [U - 65 profile]	
8		ploča [plate]	200
7		odvodnik prenapona [surge arrester]	
6		Al/Č užje 35/6 (50/89) mm ² [conductor ACSRS]	
5		Al traka 10x1 mm [Al band]	
4		nosač potpornog izolatora [pin insulator]	101
3		podložna pločica 120x120x5 [wascher]	
2		završna stezaljka [dead-end clamp]	154
1		potporni izolator (r 12.5 et) [concrete pole]	



odcjepni betonski stup s betonskim konzolama za potporne izolatore i zatezne izolatorske lance

branch concrete pole with concrete crossarm for post insulators and tension insulator strings

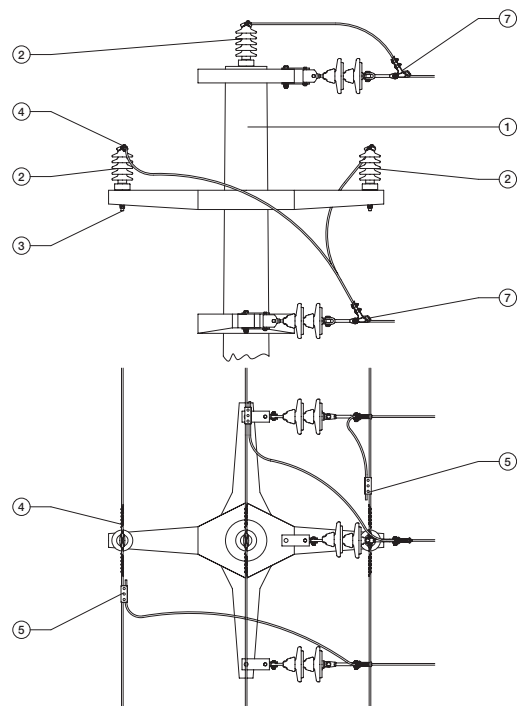
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
8	3	zatezni izolatorski lanac-kompl. [tension insulator string-compl.]	120
7	3	nosač izolatorskog lanca [double strap for insulator string]	120
6	3	strujna stezaljka [parallel groove clamp]	167
5	6	završna strujna stezaljka [dead-end connector clamp]	154
4	3	središnji vez s pomoćnim užetom [central tie and additional cable]	117
3	6	nosač izolatora [pin insulator]	101
2	6	potporni izolator [post insulator]	
1	1	betonski stup [concrete pole]	



kutno-odcjepni betonski stup tip "delta" za potporne izolatore i zatezne izolatorske lance

angle-branch concrete pole type "delta" for post insulator and tension insulator strings

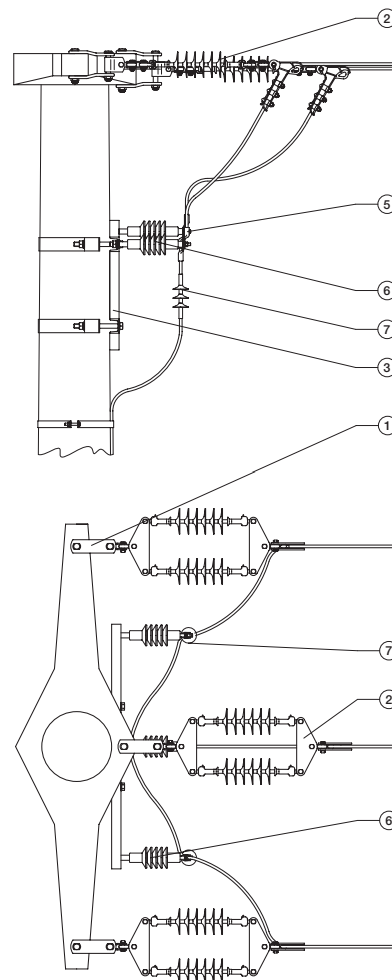
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
7	3	zatezni izolatorski lanac-kompl. [tension insulator string-compl.]	120
6	3	nosač izolatorskog lanca [double strap for insulator string]	120
5	3	strujna stezaljka [parallel groove clamp]	167
4	3	središnji vez [central tie]	115
3	3	nosač izolatora [pin insulator]	101
2	3	potporni izolator [post insulator]	
1	1	betonski stup [concrete pole]	



odcjepni-zatezni betonski stup tip “gama” sa nosačem odvodnika prednapona, kablskom glavom i dvostrukim zateznim izolatorskim lancima

branch-tension concrete pole type “gama” with support of surge arrester, cable head and double tension insulator strings

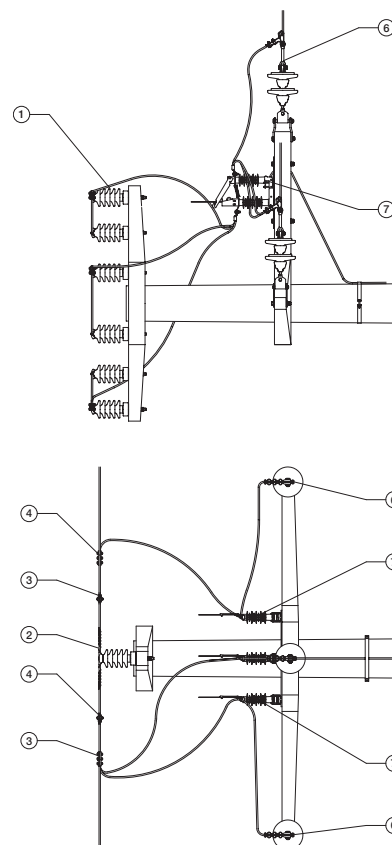
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
7	3	kabelske glave [cable head]	
6	3	odvodnik prednapona [surge arrester]	
5	6	kompresione kabelske stopice [compression cable lugs]	159
4	4	obujmica za kabel [pole band for cable]	
3	1	nosač odvodnika prednapona za betonski stup ČNop 500 [steel crossarm for surge arrester on the concrete pole]	61
2	3	dvostruki zatezni lanac-kompl. [double tension string-compl.]	121
1	3	nosač za zat. izolatorski lanac [double strap for tens. insul. string]	121



odcjepni-betonski stup tip “gama” 20 kV s linijskim rastavljačem, potpornim izolatorima i jednostrukim zateznim lancima

branch-concrete pole type “gama” 20 kV with switch-disconnector, post insulators and single tension strings

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
7	1	rastavljač -komplet NPS 24B1-BKU [line disconnector-complete]	
6	3	jednostruki zatezni lanac -kompl. [single tension string -compl.]	120
5	3	nosač [double strap]	120
4	3	strujna stezaljka [parallel groove clamp]	167
3	6	završna strujna stezaljka [dead-end conector clamp]	154
2	3	središnji vez sa pom. užetom [central tie with additional cable]	115
1	6	potporni izolator [post insulator]	



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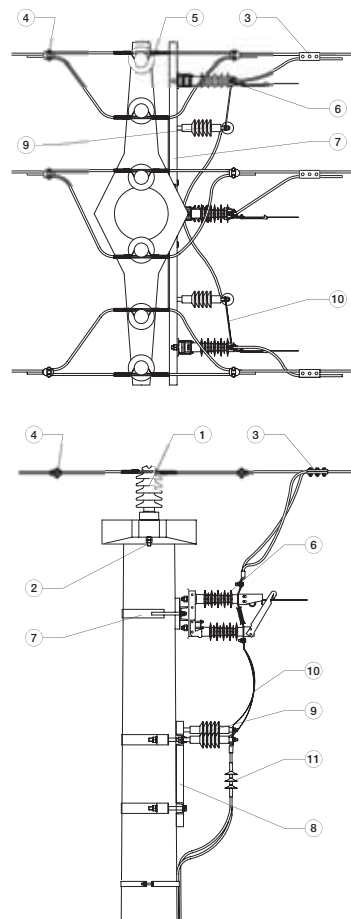
12

60

odcjepni betonski stup tip "gama" s čeličnim nosačem za linijski rastavljač, odvodnik prednapona i potporne izolatore

branch concrete pole type "gama" with steel support for line disconnector, surge arrester and post insulators

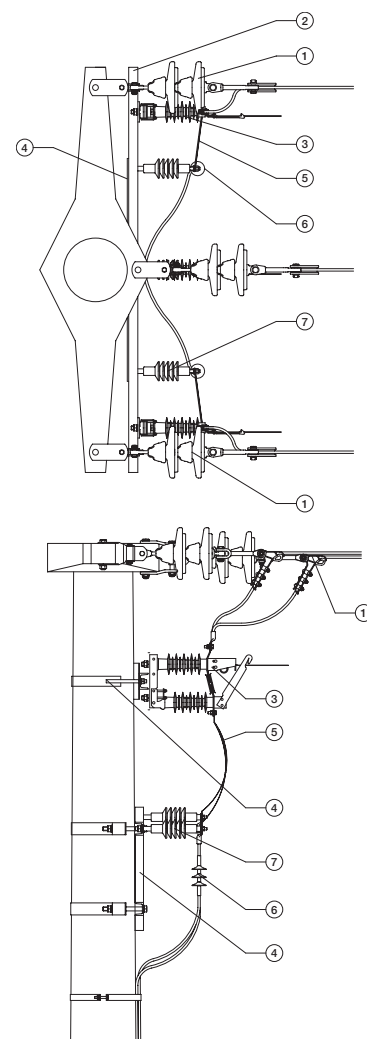
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
11	3	kabelska glava [cable head]	
10	3	Cu - elastična veza za uzemljenje cv 620 [Cu - elastic connection for earthing]	61
9	3	odvodnik prednapona [surge arrester]	
8	1	nosač odvodnika prednapona ČNop 500 [support of surge arrester ČNop 500]	61
7	1	nosač rastavljača ČNr 2000 [steel support disconnector ČNr 2000]	61
6	1	rastavljač - komplet [disconnector - complete] NPS 24 B1-BSO, 24 kV, 400 A	
5	6	križni vez [crossed tie]	116
4	6	završna strujna stezaljka [dead-end connector clamp]	154
3	3	strujna stezaljka [parallel groove clamp]	167
2	6	nosač potpornog izolatora [pin insulator]	101
1	6	potporni izolator [post insulator]	



odcjepni betonski stup tip "gama" s čeličnim nosačem za linijski rastavljač i zateznim izolatorskim lancima

branch concrete pole type "gama" with steel crossarm for line - disconnector and tension insulator strings

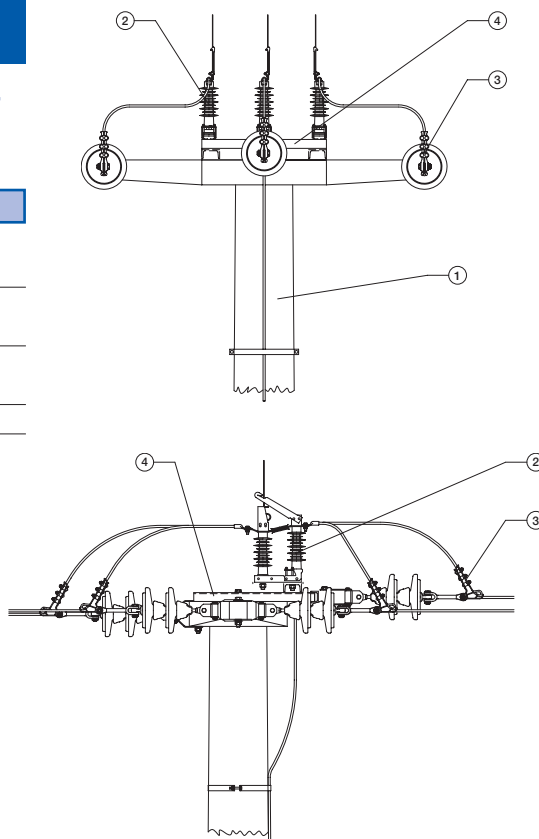
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
7	3	odvodnik prednapona [surge arrester]	
6	3	kabelska glava [cable head]	
5	3	Cu - elastična veza za uzemljenje cv 620 [Cu - elastic connector for earthing]	61
4	1	nosač odvodnika prednapona ČNop 500 [support of surge arrester ČNop 500]	61
3		rastavljač -komplet [disconnector -complete] NPS 24 B1-BSO, 24kV, 400 A	
2	1	nosač rastavljača ČNr 2000 [steel support disconnector ČNr 2000]	61
1	3	jednostruki zat. izolatorski lanac-kompl. [single tension insulator string -compl.]	120



odcjepni betonski stup tip "gama" s čeličnim nosačem za linijski rastavljač i zateznim izolatorskim lancima

branch concrete pole type "gama" with steel support for line-disconnector and tension insulator strings

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
4	1	čelični nosač linijskog rastavljača ČNr 600 [steel support for line disconnector ČNr 600]	62
3	6	jednostruki zat. izolatorski lanac-kompl. [single tension insulator string-complete]	120
2	1	rastavljač -komplet [disconnector -complete] NPS 24 B1-BSO, 24 kV, 400 A	
1	1	betonski stup [concrete pole]	

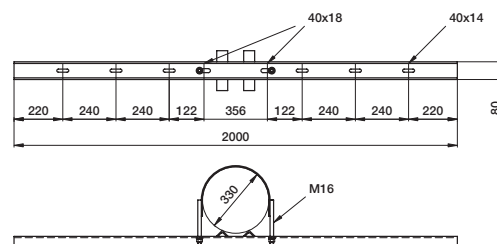


nosač rastavljača tip ČNr 2000

steel crossarm of line disconnector type ČNr 2000

ČNr 2000

materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 20,00 kg

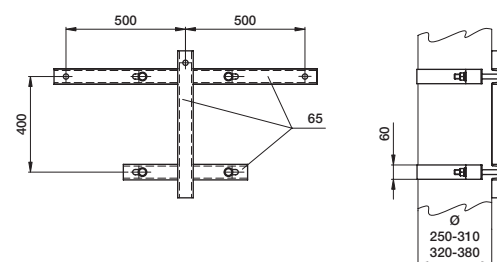


čelični nosač za odvodnik prednapona na betonskim stupovima tip ČNop 500

steel crossarm for surge arrester on the concrete pole type ČNop 500

ČNop 500

materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 16,80 kg

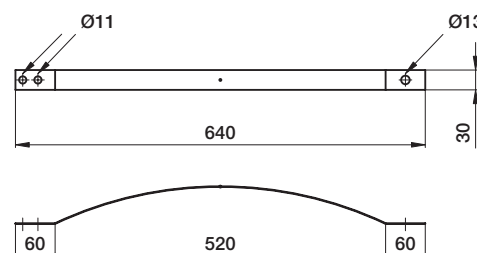


Cu - elastična veza za uzemljenje cv 620

Cu - elastic connection for earthing cv 620

Cv 620

materijal [material]:	Cu lim 2x30 [Cu sheet metal 2x30]
-----------------------	-----------------------------------



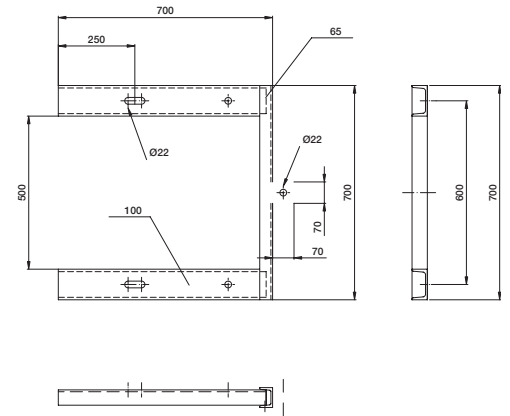
čelični nosač linijskog rastavljača ČNr 600

steel support for line - disconnect ČNr 600

ČNr 600

materijal [material]: čelik. vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 18,60 kg



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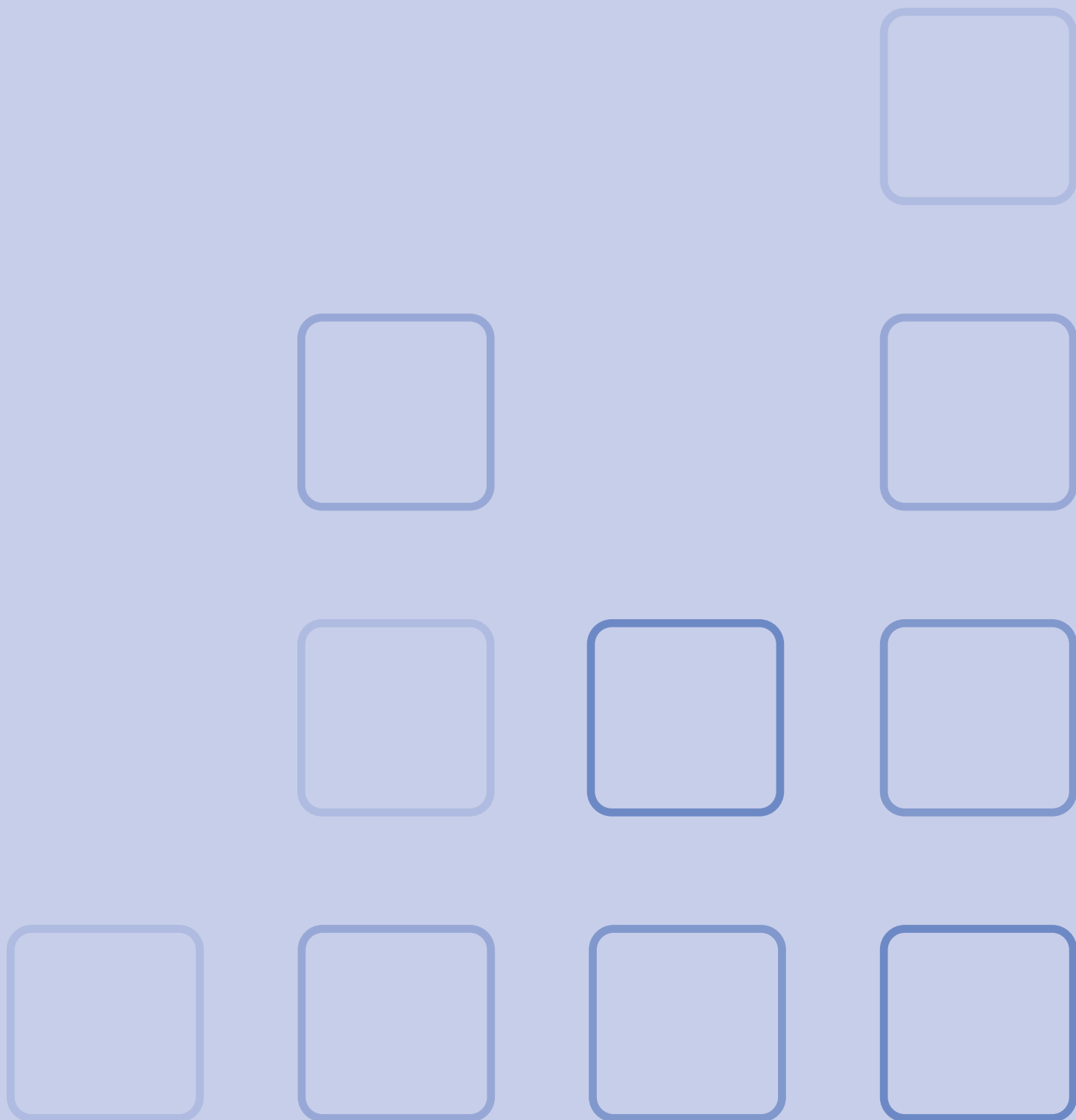
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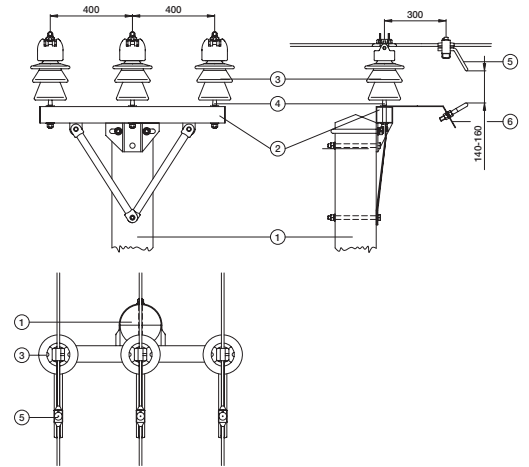
oprema za izolirane nadzemne elektroenergetske mreže 10,
20 i 35 kV na drvenim stupovima i čeličnim konzolama

[equipment for insulated overhead electroenergetic
networks 11, 22 and 35 kV at the wooden poles and steel
crossarm braces]

5

nosni drveni stup sa čeličnom konzolom za potporne izolatore suspension wooden pole with steel crossarm for post insulators

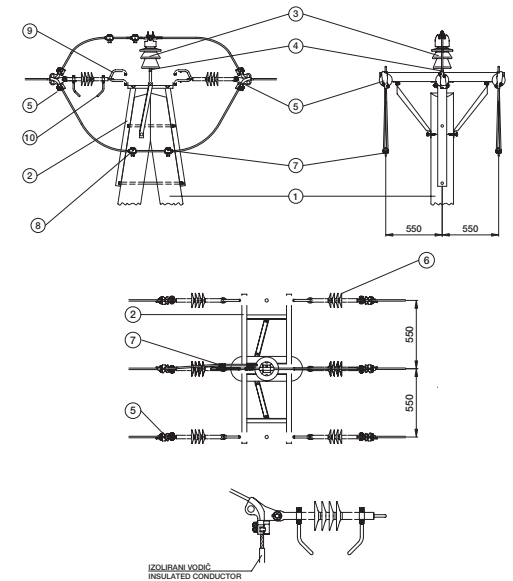
poz. [item]	kom. [pcs]	naziv dijela [description]	str. [pgs]
1	1	drveni stup [wooden pole]	
2	1	čelična kutna konzola [steel angle crossarm IVKČ/GN 400]	74
3	3	potporni izolator s nosnom stezaljkom [post insulator with susp. clamp]	95
4	3	nosač potpornog izolatora [pin insulator]	102
5	3	gornji zaštitni rog sa stezaljkom i uzemljenjem [upper protection horn with clamp and earthing]	93
6	3	donji zaštitni rog [bottom protection horn]	91



zatezni-rasteretni drveni stup sa čeličnom konzolom i zateznim lancima tension-non reinforced wooden pole with steel crossarm brace and tension strings

tension-non reinforced wooden pole with steel crossarm brace and tension strings

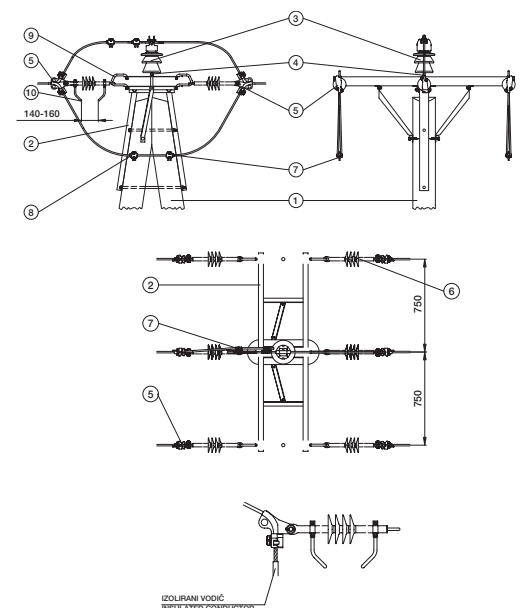
poz. [item]	kom. [pcs]	naziv dijela [description]	str. [pgs]
1	1	drveni stup [wooden pole]	
2	1	čelična konzola IVKČ/GZ 550 [steel crossarm brace IVKČ/GZ 550]	74
3	1	potporni izolator s nosnom stezaljkom [post insulator with susp. clamp]	95
4	1	nosač potpornog izolatora [pin insulator]	102
5	6	vijčana stezaljka [bolted type clamp]	93
6	6	silikonski izolator [silicon insulator]	96
7	6	izolirana strujna stezaljka [insulated power clamp]	94
8	6	zaštitna kapa [protection cap]	94
9	6	"C"-stremen ili zastavica ["C"-shackle or hinge]	90
10	6	zaštitni rogovi [protection horns]	91



zatezni-rasteretni drveni stup sa čeličnom konzolom i zateznim lancima tension-non reinforced wooden pole with steel crossarm brace and tension strings

tension-non reinforced wooden pole with steel crossarm brace and tension strings

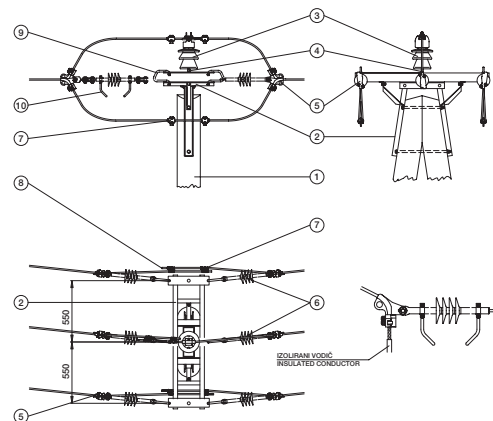
poz. [item]	kom. [pcs]	naziv dijela [description]	str. [pgs]
1	1	drveni stup [wooden pole]	
2	1	čelična konzola IVKČ/GZ 750 [steel crossarm brace IVKČ/GZ 750]	74
3	1	potporni izolator s nosnom stezaljkom [post insulator with susp. clamp]	95
4	1	nosač potpornog izolatora [pin insulator]	102
5	6	vijčana stezaljka [bolted type clamp]	93
6	6	silikonski izolator [silicon insulator]	96
7	6	izolirana strujna stezaljka [insulated power clamp]	94
8	6	zaštitna kapa [protection cap]	94
9	6	"C"-stremen ili zastavica ["C"-shackle or hinge]	90
10	6	zaštitni rogovi [protection horns]	91



kutni zatezni drveni stup sa čeličnom konzolom i zateznim lancima

angle tension wooden pole with steel crossarm brace and tension strings

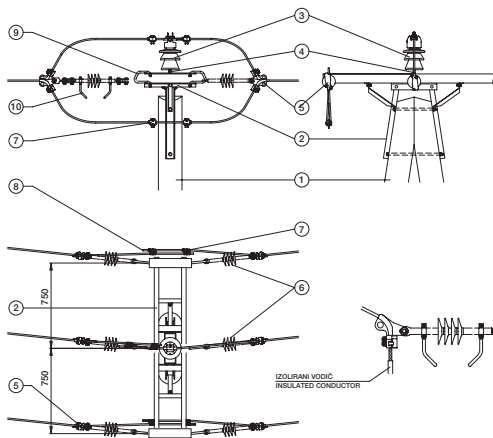
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	drveni stup [wooden pole]	
2	1	čelična kutna konzola IVKČ/GKZ 550 [steel angle crossarm brace IVKČ/GKZ 550]	75
3	1	potporni izolator s nosnom stezaljkom [post insulator with susp. clamp]	95
4	1	nosač potpornog izolatora [pin insulator]	102
5	6	vijčana stezaljka [bolted type clamp]	93
6	6	silikonski izolator [silicon insulator]	96
7	6	izolirana strujna stezaljka [insulated power clamp]	94
8	6	zaštitna kapa [protection cap]	94
9	6	"C"-stremen ili zastavica ["C"-shackle or hinge]	90
10	6	zaštitni rogovi [protection horns]	91



kutni zatezni drveni stup sa čeličnom konzolom i zateznim lancima

angle suspension wooden pole with steel crossarm brace and suspension strings

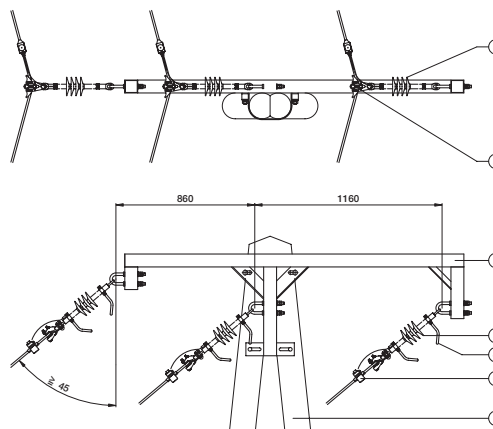
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	drveni stup [wooden pole]	
2	1	čelična kutna konzola IVKČ/GKZ 750 [steel angle crossarm brace IVKČ/GKZ 750]	75
3	1	potporni izolator s nosnom stezaljkom [post insulator with susp. clamp]	95
4	1	nosač potpornog izolatora [pin insulator]	102
5	6	vijčana stezaljka [bolted type clamp]	93
6	6	silikonski izolator [silicon insulator]	96
7	6	izolirana strujna stezaljka [insulated power clamp]	94
8	6	zaštitna kapa [protection cap]	94
9	6	"C"-stremen ili zastavica ["C"-shackle or hinge]	90
10	6	zaštitni rogovi [protection horns]	91



kutni nosni drveni stup sa čeličnom konzolom i nosnim lancima

angle suspension wooden pole with steel crossarm brace and suspension strings

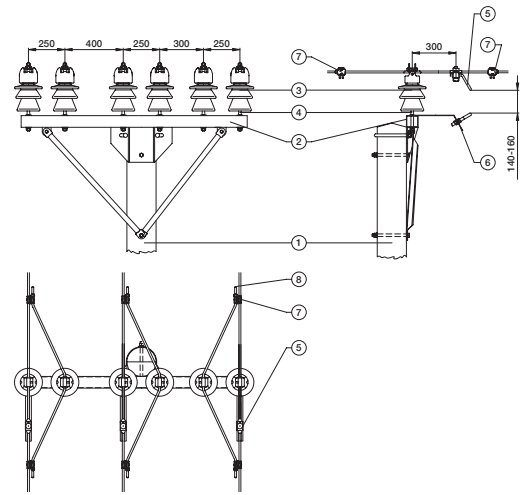
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	drveni stup [wooden pole]	
2	1	nosna čelična konzola IVKČ/GKN 860 [suspension steel crossarm brace IVKČ/GKN 860]	75
3	3	silikonski izolator [silicon insulator]	96
4	6	zaštitni rogovi [protection horns]	91
5	3	nosna stezaljka [suspension clamp]	92
6	3	izolirana strujna stezaljka [insulated power clamp]	94



nosni (križni) drveni stup sa čeličnom konzolom za potporne izolatore

suspension wooden pole with steel crossarm brace for post insulator

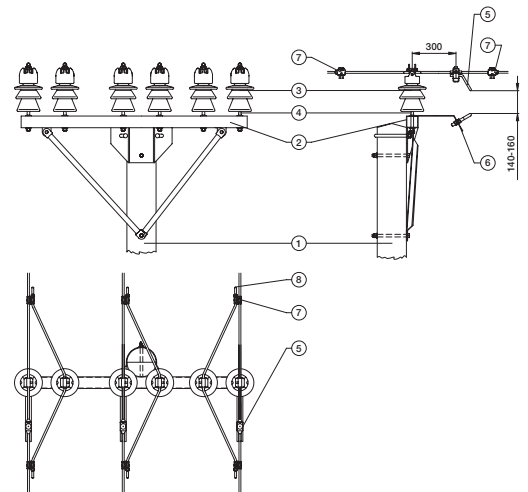
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	drveni stup [wooden pole]	
2	1	zatezna čelična konzola IVKČ/GKRN 300 [steel crossarm brace IVKČ/GKRN 300]	76
3	1	potporni izolator s nosnom stezaljkom [post insulator with susp. clamp]	95
4	1	nosač potpornog izolatora [pin insulator]	102
5	3	gornji zaštitni rog sa stezaljkom i uzemljenjem [upper protection horn with clamp earthing]	93
6	3	donji zaštitni rog [bottom protection horn]	91
7	6	izolirana strujna stezaljka [insulated power clamp]	94
8	6	zaštitna kapa [protection cap]	94



nosni (križni) drveni stup sa čeličnom konzolom za potporne izolatore

suspension wooden pole with steel crossarm brace for post insulator

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	drveni stup [wooden pole]	
2	1	zatezna čelična konzola IVKČ/GKRN 300 [steel crossarm brace IVKČ/GKRN 300]	76
3	6	potporni izolator s nosnom stezaljkom [post insulator with susp. clamp]	95
4	6	nosač potpornog izolatora [pin insulator]	102
5	3	gornji zaštitni rog sa stezaljkom i uzemljenjem [upper protection horn with clamp earthing]	93
6	3	donji zaštitni rog [bottom protection horn]	91
7	6	izolirana strujna stezaljka [insulated power clamp]	94
8	6	zaštitna kapa [protection cap]	94



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9

10

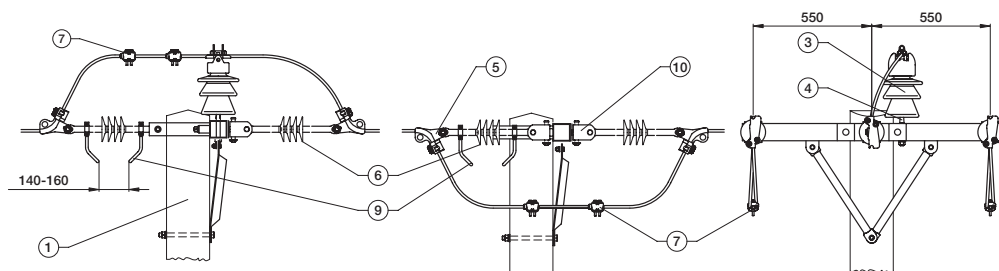
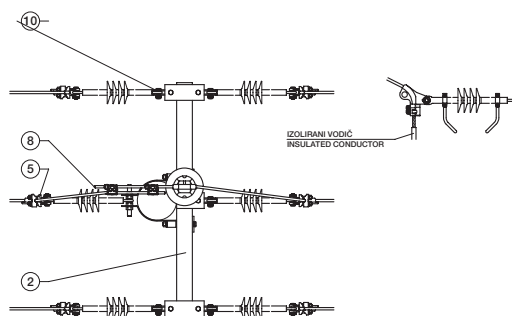
11

12

zatezni drveni stup sa čeličnom konzolom i zateznim lancima

tension wooden pole with steel crossarm brace and tension strings

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	drveni stup [wooden pole]	
2	1	zatezna čelična konzola IVKČ/GZ 550 [tension steel crossarm brace IVKČ/GZ 550]	76
3	1	potporni izolator s nosnom stezaljkom [post insulator with susp. clamp]	95
4	1	nosač potpornog izolatora [pin insulator]	102
5	6	vijčana stezaljka [bolted type clamp]	93
6	6	silikonski izolator [silicon insulator]	96
7	6	izolirana strujna stezaljka [insulated power clamp]	94
8	6	zaštitna kapa [protection cap]	94
9	6	zaštitni rogovi [protection horns]	91
10	6	zastavica [hinge]	92



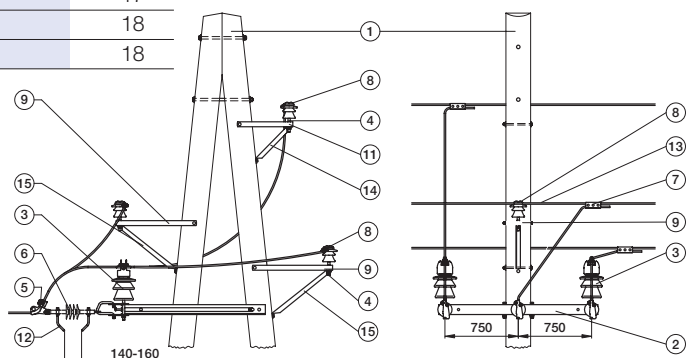
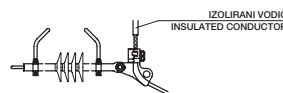
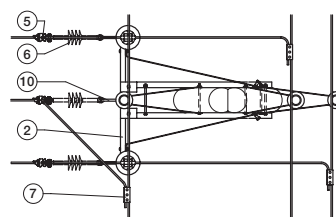
odcjepni drveni stup sa čeličnom konzolama za potporne i zatezne kompozitne lance

branch wooden pole with steel arm brace for post insulator and tension composite strings

glavni vod – Al-Fe ili al. leg. vodič
odcjepni vod – izolirani vodič

main transmission line acsr or Al-alloy conductor
branch transmission line – insulated conductor

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	drveni stup [wooden pole]	
2	1	čelična kutna konzola IVKČ/GON 750 [steel angle arm brace IVKČ/GON 750]	77
3	2	potporni izolator s nosnom stezaljkom [post insulator with susp. clamp]	95
4	5	nosač potpornog izolatora [pin insulator]	102
5	3	vijčana stezaljka [bolted type clamp]	93
6	3	silikonski izolator [silicon insulator]	96
7	3	strujna stezaljka 77.34.13 [parallel groove clamps 77.34.13]	167
8	3	potporni izolator [post insulator]	
9	2	čelična konzola ČKN 600 [arm brace ČKN 600]	18
10	3	“C”-stremen ili zastavica [“C”-shackle or hinge]	90
11	1	čelična konzola ČKN 400 [arm brace ČKN 400]	18
12	6	zaštitni rogovi [protection horns]	91
13	3	preformirani vez [preformed tie]	17
14	1	podupora ČPL 350 [strut ČPL 350]	18
15	2	podupora ČPL 560 [strut ČPL 560]	18



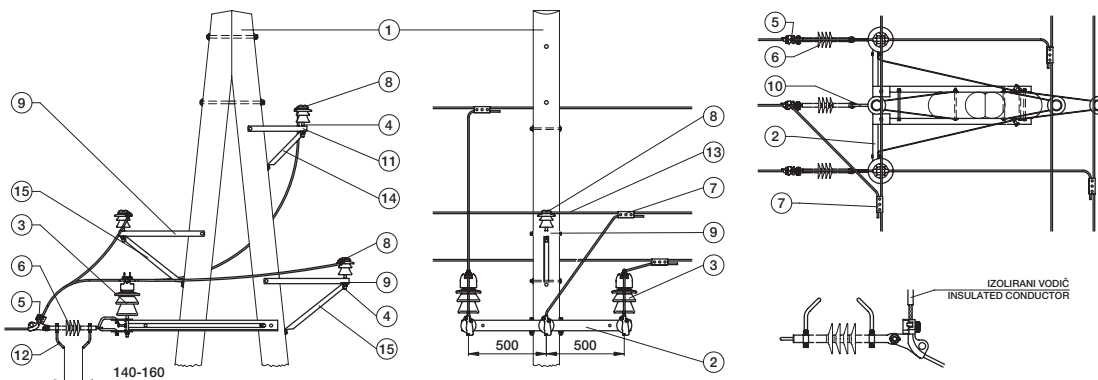
odcjepni drveni stup sa čeličnim konzolama za potporne i zatezne kompozitne lance

branch wooden pole with steel arm brace for post insulator and tension composite strings

glavni vod – Al-Fe ili al. leg. vodič
odcjepni vod – izolirani vodič

main transmission line acsr or Al-alloy conductor
branch transmission line – insulated conductor

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	drveni stup [wooden pole]	
2	1	čelična kutna konzola IVKČ/GON 500 [steel angle arm brace IVKČ/GON 500]	77
3	2	potporni izolator s nosnom stezaljkom [post insulator with susp. clamp]	95
4	5	nosač potpornog izolatora [pin insulator]	102
5	3	vijčana stezaljka [bolted type clamp]	93
6	3	silikonski izolator [silicon insulator]	96
7	3	strujna stezaljka 77.34.13 [parallel groove clamps 77.34.13]	167
8	3	potporni izolator [post insulator]	
9	2	čelična konzola ČKN 600 [arm brace ČKN 600]	18
10	3	"C"-stremen ili zastavica ["C"-shackle or hinge]	90
11	1	čelična konzola ČKN 400 [arm brace ČKN 400]	18
12	6	zaštitni rogovi [protection horns]	91
13	3	preformirani vez [preformed tie]	117
14	1	podupora ČPL 350 [strut ČPL 350]	18
15	2	podupora ČPL 560 [strut ČPL 560]	18



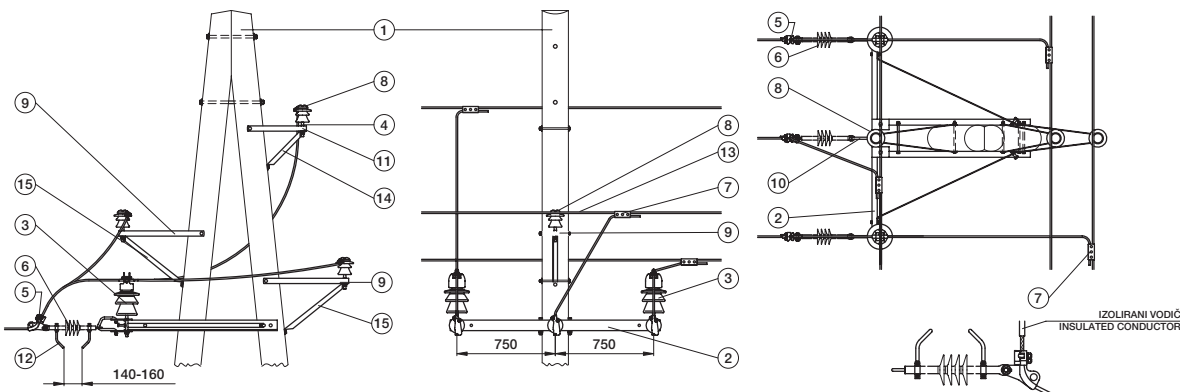
odcjepni drveni stup sa čeličnim konzolama za potporne i zatezne kompozitne lance

branch wooden pole with steel arm brace for post insulator and tension composite strings

glavni vod – Al-Fe ili al. leg. vodič
odcjepni vod – izolirani vodič

main transmission line acsr or Al-alloy conductor
branch transmission line – insulated conductor

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	drveni stup [wooden pole]	
2	1	čelična kutna konzola IVKČ/GON 750 [steel angle arm brace IVKČ/GON 750]	77
3	2	potporni izolator s nosnom stezaljkom [post insulator with susp. clamp]	95
4	5	nosač potpornog izolatora [pin insulator]	102
5	3	vijčana stezaljka [bolted type clamp]	93
6	3	silikonski izolator [silicon insulator]	96
7	3	strujna stezaljka 77.34.13 [parallel groove clamps 77.34.13]	167
8	3	potporni izolator [post insulator]	
9	2	čelična konzola ČKN 600 [arm brace ČKN 600]	18
10	3	"C"-stremen ili zastavica ["C"-shackle or hinge]	90
11	1	čelična konzola ČKN 400 [arm brace ČKN 400]	18
12	6	zaštitni rogovi [protection horns]	91
13	3	preformirani vez [preformed tie]	117
14	1	podupora ČPL 350 [strut ČPL 350]	18
15	2	podupora ČPL 560 [strut ČPL 560]	18



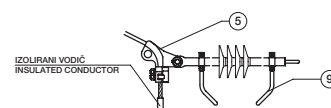
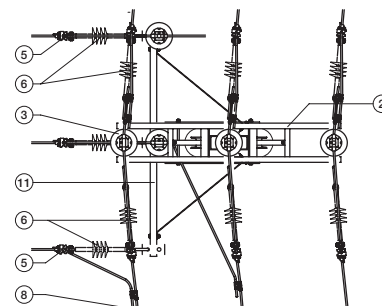
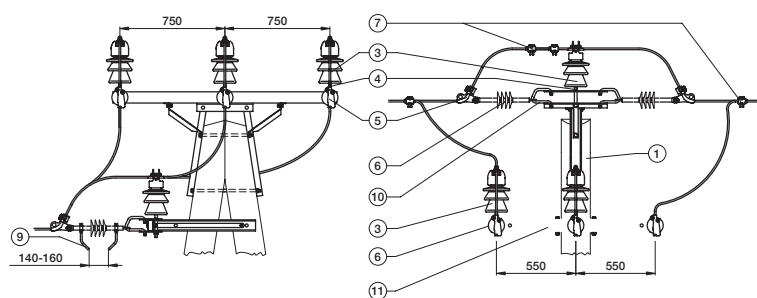
odcjepni kutni drveni stup sa čeličnim konzolama za potporne izolatore i zatezne kompozitne lance

branch angle wooden pole with steel crossarm arm brace for post insulators and tension composite strings

glavni vod i odcjepni vod – izolirani vodič

main and branch transmission line with insulated conductor

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	drveni stup [wooden pole]	
2	1	čelična kutna konzola IVKČ/GKZ 750 [steel angle arm brace IVKČ/GKZ 750]	75
3	1	potporni izolator s nosnom stezaljkom [post insulator with susp. clamp]	95
4	5	nosač potpornog izolatora [pin insulator]	102
5	9	vijčana stezaljka [bolted type clamp]	93
6	9	silikonski izolator [silicon insulator]	96
7	6	izolirane strujne stezaljke [insulated power clamps]	94
8	9	zaštitna kapa [protection cap]	94
9	6	zaštitni rogovi [protection horns]	91
10	3	“C”-stremen ili zastavica [“C”-shackle or hinge]	90
11	1	čelična kutna konzola IVKČ/GOS 550 [crossarm brace IVKČ/GOS 550]	76



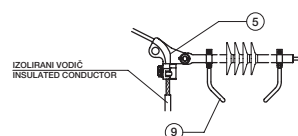
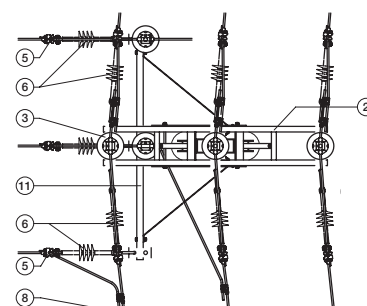
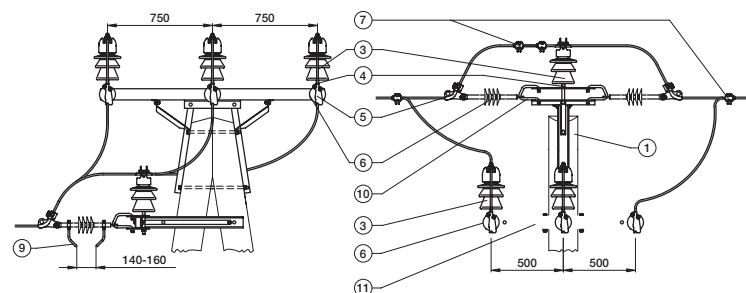
odcjepni kutni drveni stup sa čeličnim konzolama za potporne izolatore i zatezne kompozitne lance

branch angle wooden pole with steel crossarm arm brace for post insulators and tension composite strings

glavni vod i odcjepni vod – izolirani vodič

main and branch transmission line with insulated conductor

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	drveni stup [wooden pole]	
2	1	čelična kutna konzola IVKČ/GKZ 750 [steel angle arm brace IVKČ/GKZ 750]	75
3	1	potporni izolator s nosnom stezaljkom [post insulator with susp. clamp]	95
4	5	nosač potpornog izolatora [pin insulator]	102
5	9	vijčana stezaljka [bolted type clamp]	93
6	9	silikonski izolator [silicon insulator]	96
7	6	izolirane strujne stezaljke [insulated power clamps]	94
8	9	zaštitna kapa [protection cap]	94
9	6	zaštitni rogovi [protection horns]	91
10	3	“C”-stremen ili zastavica [“C”-shackle or hinge]	90
11	1	čelična kutna konzola IVKČ/GON 500 [crossarm brace IVKČ/GON 500]	76



1

odcjepni kutni drveni stup sa čeličnim konzolama za potporne izolatore i zatezne kompozitne lance

1a

branch angle wooden pole with steel crossarm arm brace for post insulators and tension composite strings

2

glavni vod i odcjepni vod – izolirani vodič

2a

main and branch transmission line with insulated conductor

3

3a

4

5

5a

6

6a

6b

7

8

9

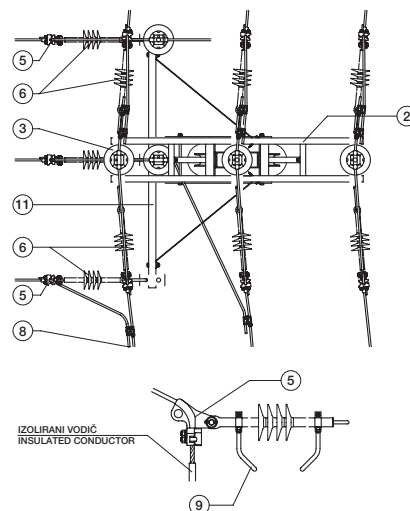
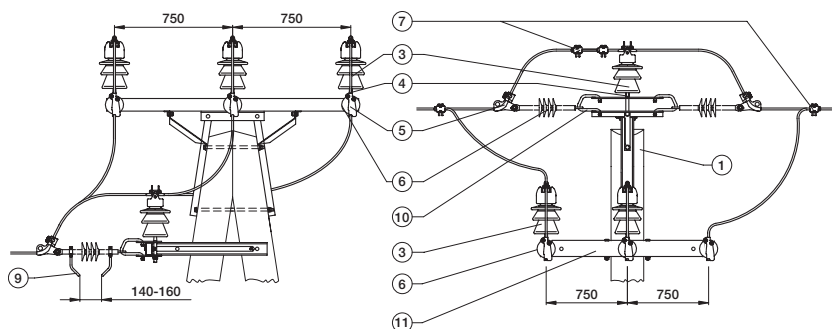
10

11

12

70

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	drveni stup [wooden pole]	
2	1	čelična kutna konzola IVKČ/GKZ 750 [steel angle arm brace IVKČ/GKZ 750]	75
3	1	potporni izolator s nosnom stezaljkom [post insulator with susp. clamp]	95
4	5	nosač potpornog izolatora [pin insulator]	102
5	9	vijčana stezaljka [bolted type clamp]	93
6	9	silikonski izolator [silicon insulator]	96
7	6	izolirane strujne stezaljke [insulated power clamps]	94
8	9	zaštitna kapa [protection cap]	94
9	6	zaštitni rogovi [protection horns]	91
10	3	"C"-stremen ili zastavica ["C"-shackle or hinge]	90
11	1	čelična kutna konzola IVKČ/GON 750 [crossarm brace IVKČ/GON 750]	76



odcjepni, kutni rasteretni drveni stup sa čeličnim konzolama za potporne izolatore i zatezne kompozitne lance

branch, angle, non reinforced wooden pole with steel crossarm brace for post insulators and tension composite strings

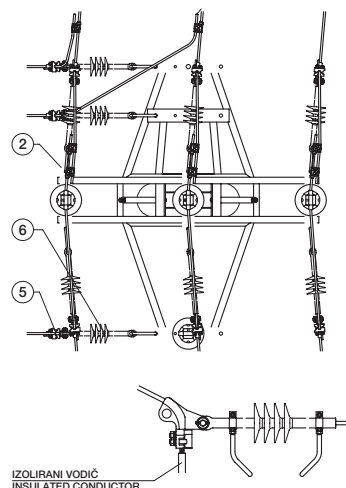
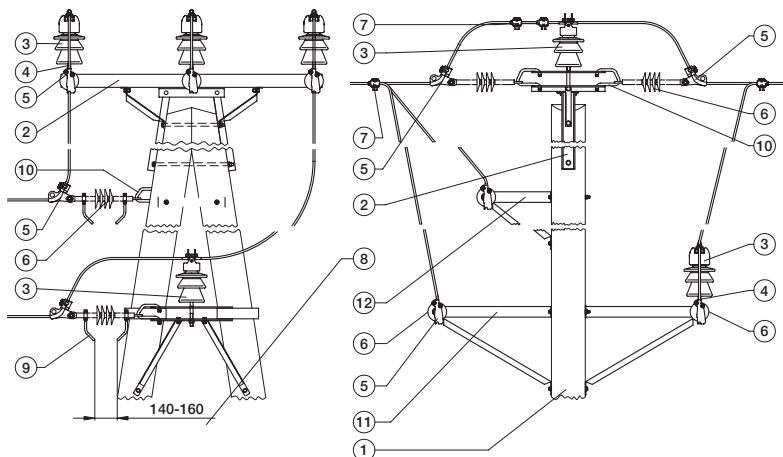
glavni vod – izolirani vodič

odcjepni vod – Al-Fe ili al. leg. vodič

main transmission line insulated conductor

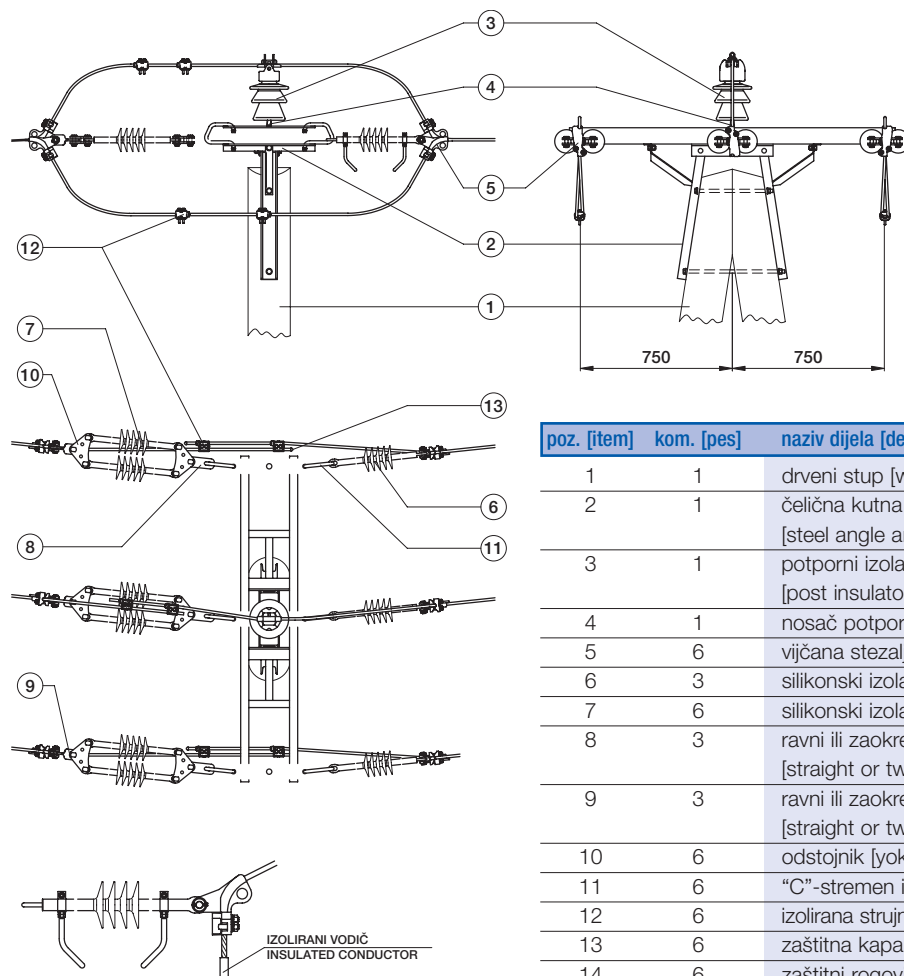
branch transmission line – acsr or Al-alloy conductor

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	drveni stup [wooden pole]	
2	1	čelična kutna konzola IVKČ/GKZ 750 [steel angle arm brace IVKČ/GKZ 750]	75
3	4	potporni izolator s nosnom stezaljkom [post insulator with susp. clamp]	95
4	4	nosač potpornog izolatora [pin insulator]	102
5	9	vijčana stezaljka [bolted type clamp]	93
6	9	silikonski izolator [silicon insulator]	96
7	6	izolirane strujne stezaljke [insulated power clamp]	94
8	6	zaštitna kapa [protection cap]	94
9	6	zaštitni rogovi [protection horns]	91
10	9	"C"-stremen ili zastavica ["C"-shackle or hinge]	90
11	2	čelična konzola ČKOV 700 [arm brace ČKOV 700]	27
12	1	čelična konzola ČKOV 290 [arm brace ČKOV 290]	27

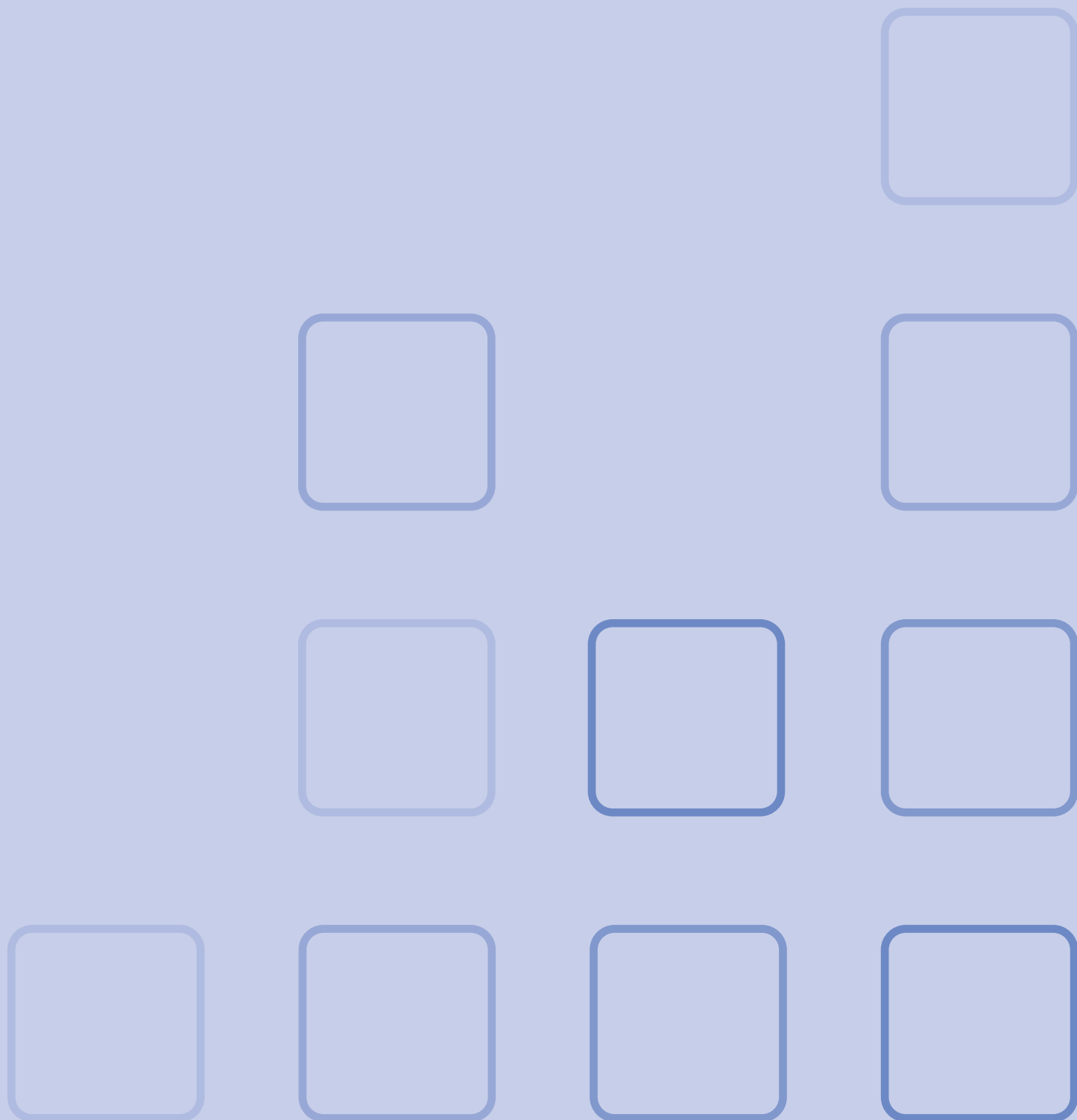


kutni zatezni drveni stup sa čeličnom konzolom za jednostruke ili dvostruke zatezne lance

angle tension wooden pole with steel crossarm brace for single or double tension strings



poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	drveni stup [wooden pole]	
2	1	čelična kutna konzola IVKČ/GKZ 750 [steel angle arm brace IVKČ/GKZ 750]	75
3	1	potporni izolator s nosnom stezaljkom [post insulator with susp. clamp]	95
4	1	nosač potpornog izolatora [pin insulator]	102
5	6	vijčana stezaljka [bolted type clamp]	93
6	3	silikonski izolator [silicon insulator]	96
7	6	silikonski izolator [silicon insulator]	96
8	3	ravni ili zaokrenuti produžnik [straight or twisted extens. link]	91
9	3	ravni ili zaokrenuti produžnik [straight or twisted extens. link]	91
10	6	odstojnik [yoke]	92
11	6	"C"-stremen ili zastavica ["C"-shackle or hinge]	90
12	6	izolirana strujna stezaljka [insulated power clamp]	94
13	6	zaštitna kapa [protection cap]	94
14	6	zaštitni rogovi [protection horns]	91



čelične konzole za drvene stupove i izolirane vodiče
[steel crossarm braces for wooden poles and insulated
conductors]

5a

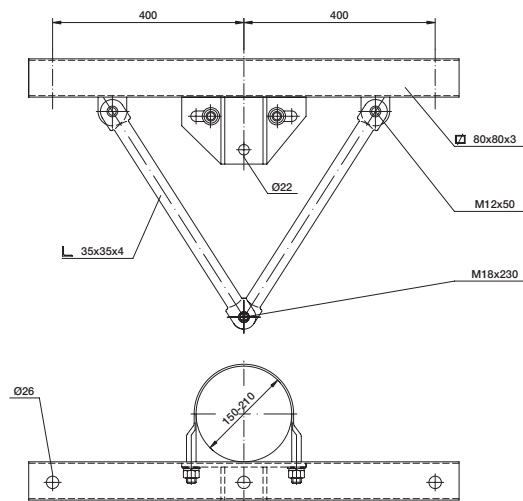
nosna čelična konzola za drveni stup

suspension steel crossarm brace for wooden pole

IVKČ/GN 400

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 15,00 kg



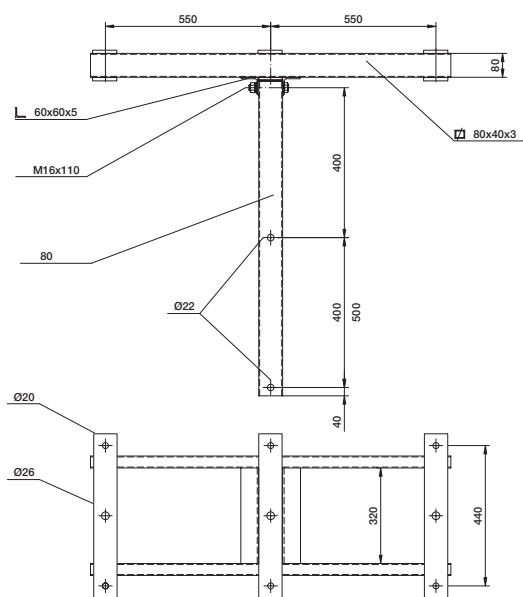
zatezna čelična konzola za drveni stup

tension steel crossarm brace wooden pole

IVKČ/GZ 550

materija [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 46,50 kg



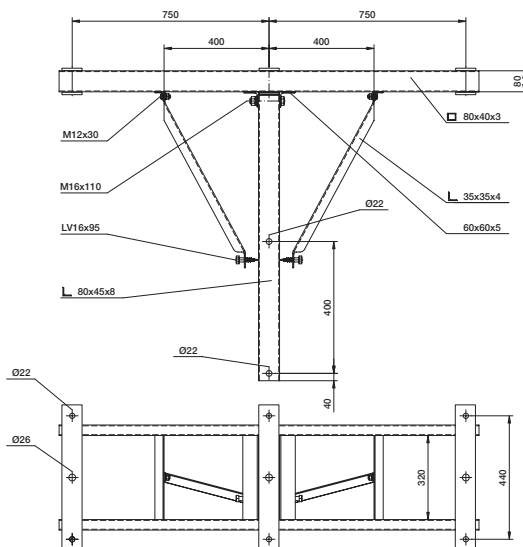
zatezna čelična konzola za drveni stup

tension steel crossarm brace wooden pole

IVKČ/GZ 750

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 53,50 kg



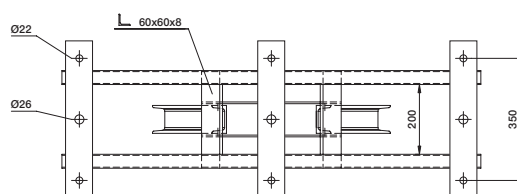
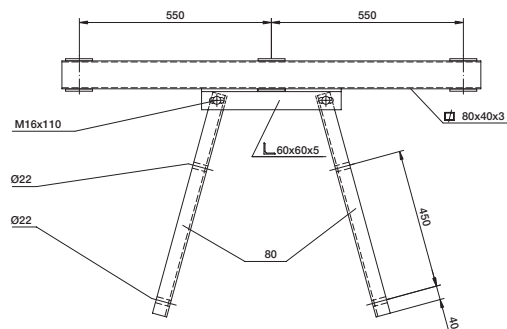
zatezna čelična kutna konzola za drveni stup

angle tension steel crossarm brace for wooden pole

IVKČ/GKZ 550

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 40,51 kg



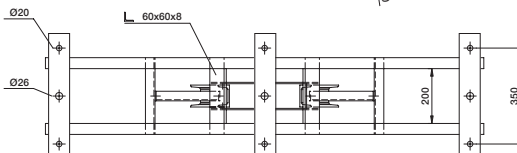
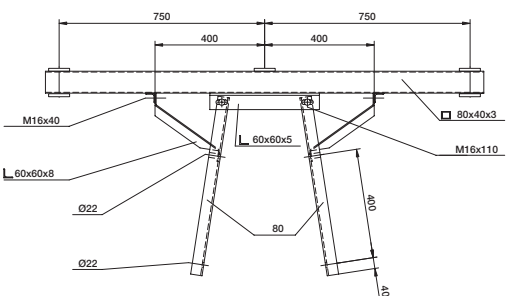
zatezna čelična kutna konzola za drveni stup

angle tension steel crossarm brace wooden pole

IVKČ/GKZ 750

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 64,40 kg



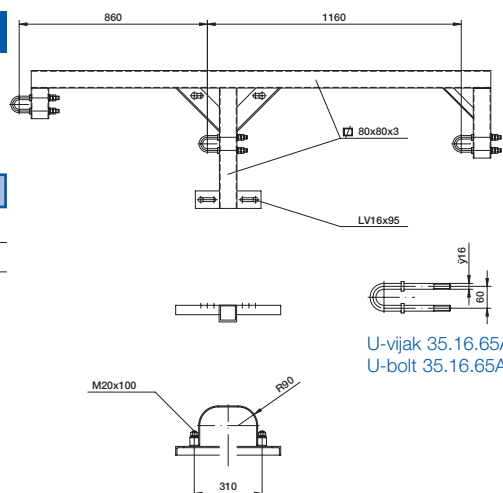
nosna čelična kutna konzola za drveni stup

angle suspension steel crossarm brace for wooden pole

IVKČ/GKN 860

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 36,00 kg

U-vijak 35.16.65A
U-bolt 35.16.65A

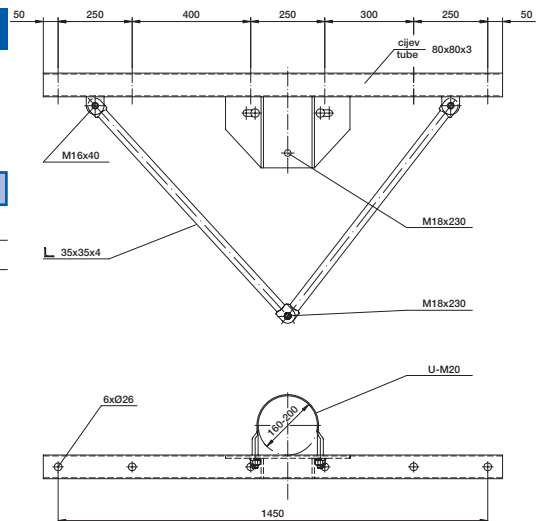
nosna čelična (križna) konzola za drveni stup

suspension steel crossarm brace for wooden pole

IVKČ/GKRNz 300

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 21,00 kg



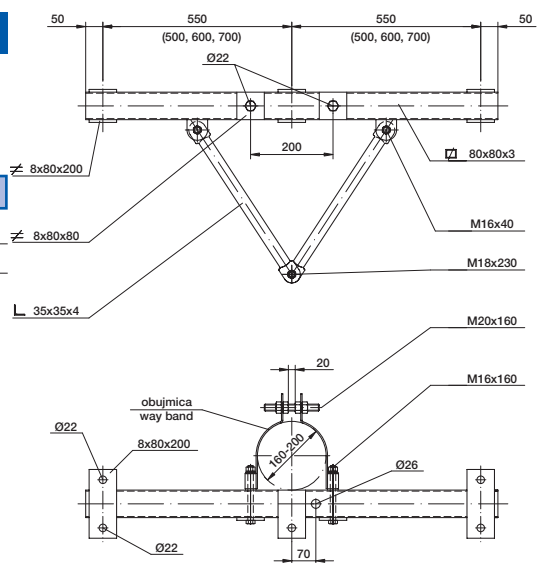
zatezna čelična konzola za drveni stup

tension steel arm brace for wooden pole

IVKČ/GZ 550 (500,600,700)

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 22,50 kg



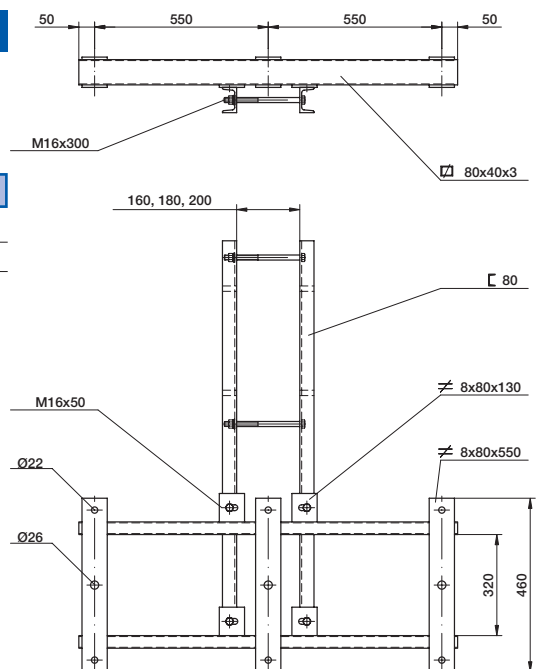
odcjepna ravna čelična konzola s nosačem za drveni stup

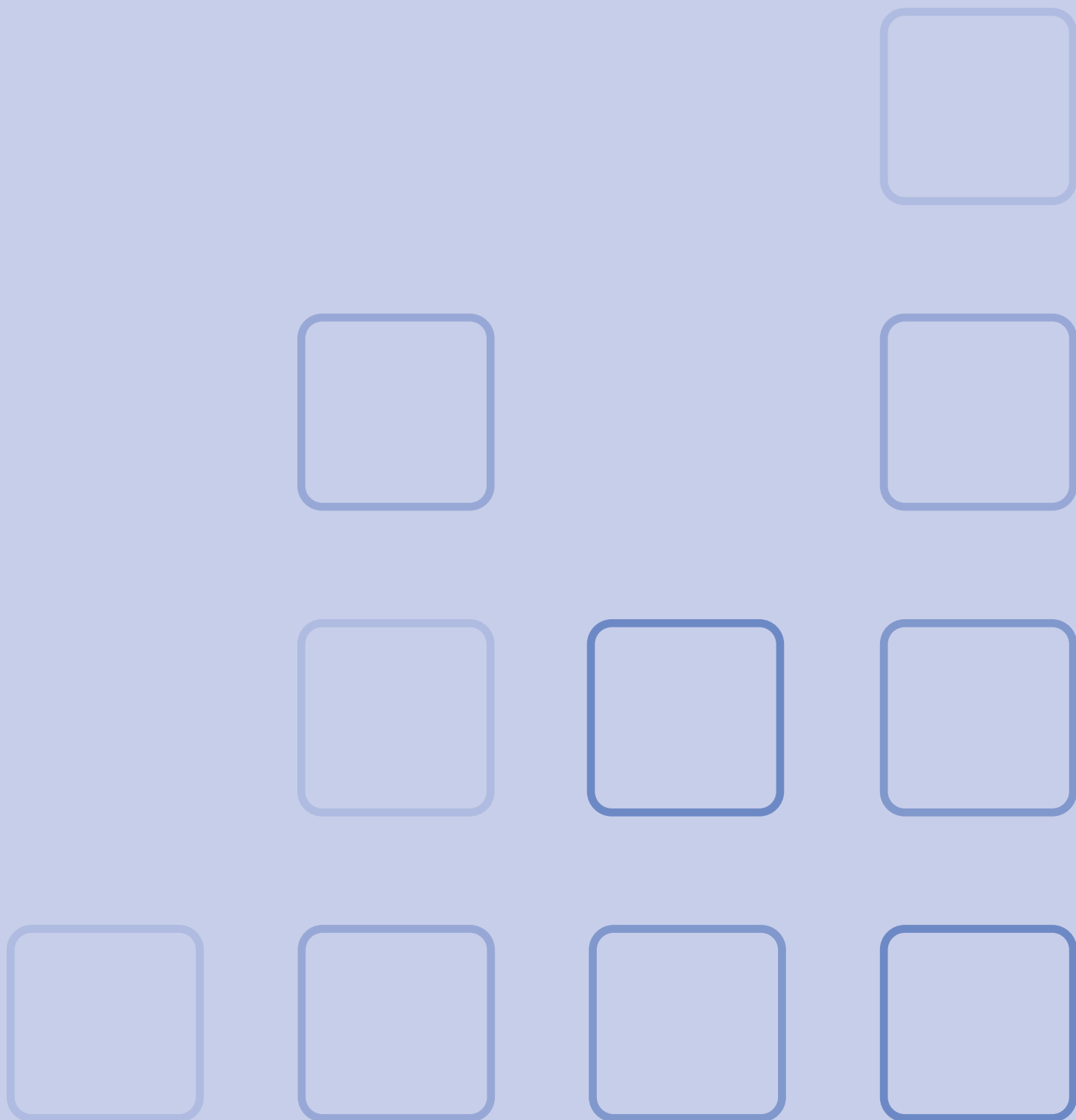
branch steel flat arm brace with strap for wooden pole

IVKČ/GOS 550

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 55,04 kg





oprema za izolirane nadzemne elektroenergetske mreže 10,
20 i 35 kV na betonskim stupovima i čeličnim konzolama

[equipment for insulated overhead electroenergetic
networks 11, 22 and 35 kV at the concrete poles and steel
crossarm braces]

6

1

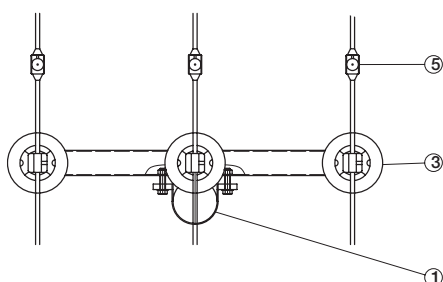
nosivi betonski stup s čeličnom konzolom za potporne izolatore i izolirane vodiče

1a

suspension concrete pole with steel crossarm for post insulator and insulated conductors

2

2a



3

3a

4

5

5a

6

6a

6b

7

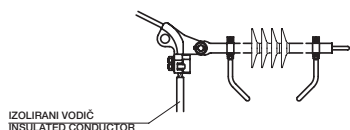
8

9

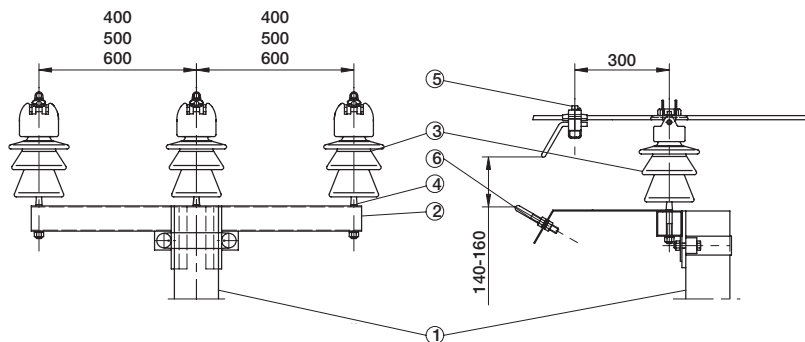
10

11

12



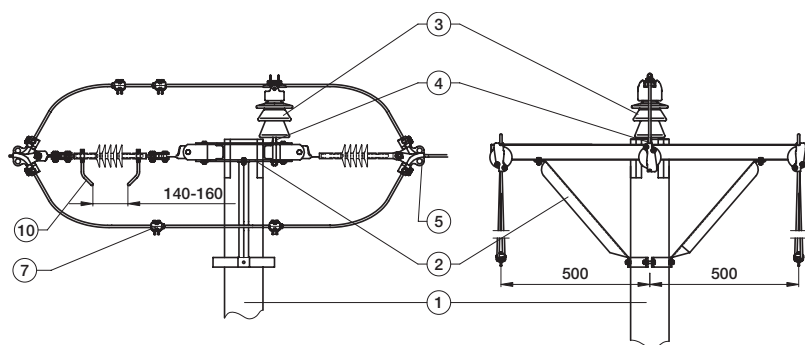
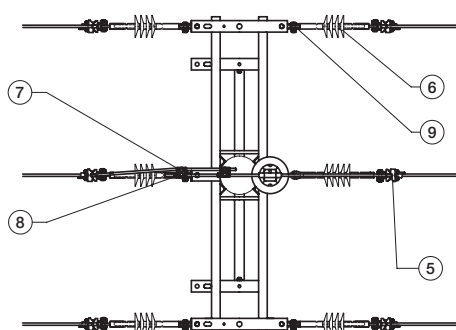
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	betonski stup [concrete pole]	
2	1	čelična konzola IVKČ 3.15/15 GN40 [crossarm IVKČ 3.15/15 GN40]	86
3	3	potporni izolator s nosnom stezaljkom [post insulator with susp. clamp]	95
4	3	nosač izolatora [pin insulator]	102
5	3	gornji zaštitni rog sa stezaljkom i uzemljenjem [upper protection horn with clamp and earthing]	93
6	3	donji zaštitni rog [bottom protection horn]	91



zatezni-rasteretni betonski stup sa čeličnom konzolom za jednostruke zatezne izolirane lance

tension-non reinforced concrete pole with steel crossarm brace for single tension strings

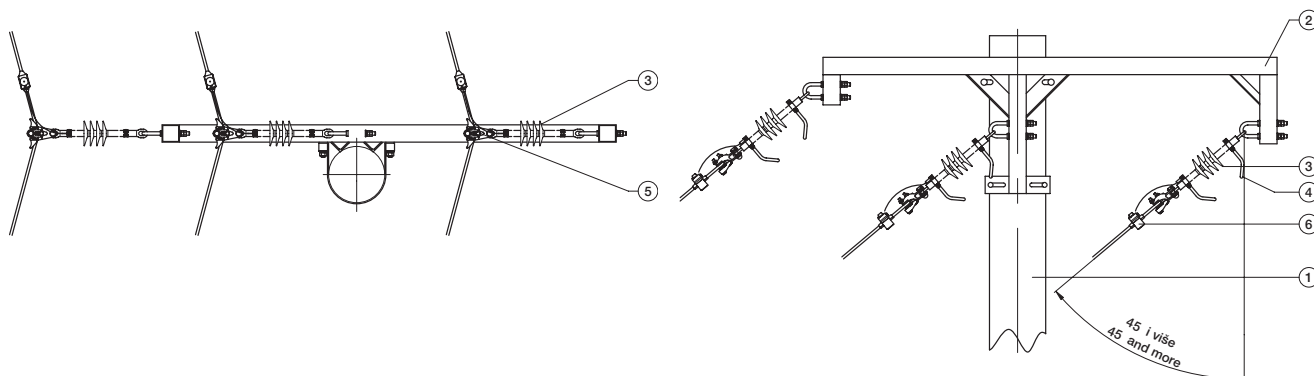
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	betonski stup [concrete pole]	
2	1	čelična konzola IVKČ 10/26/GR/50 [steel arm brace IVKČ 10/26/GR/50]	88
3	1	potporni izolator s nosnom stezaljkom [post insulator with susp. clamp]	95
4	1	nosač potpornog izolatora [pin insulator]	102
5	6	vijčana stezaljka [bolted type clamp]	93
6	6	silikonski izolator [silicon insulator]	96
7	6	izolirana strujna stezaljka [insulated power clamp]	94
8	6	zaštitna kapa [protection cap]	94
9	6	"C"-stremen ili zastavica ["C"-shackle or hinge]	90
10	6	zaštitni rogovi [protection horns]	91



kutni nosni betonski stup sa čeličnom konzolom i nosnim lancima

angle suspension concrete pole with steel crossarm brace and suspension strings

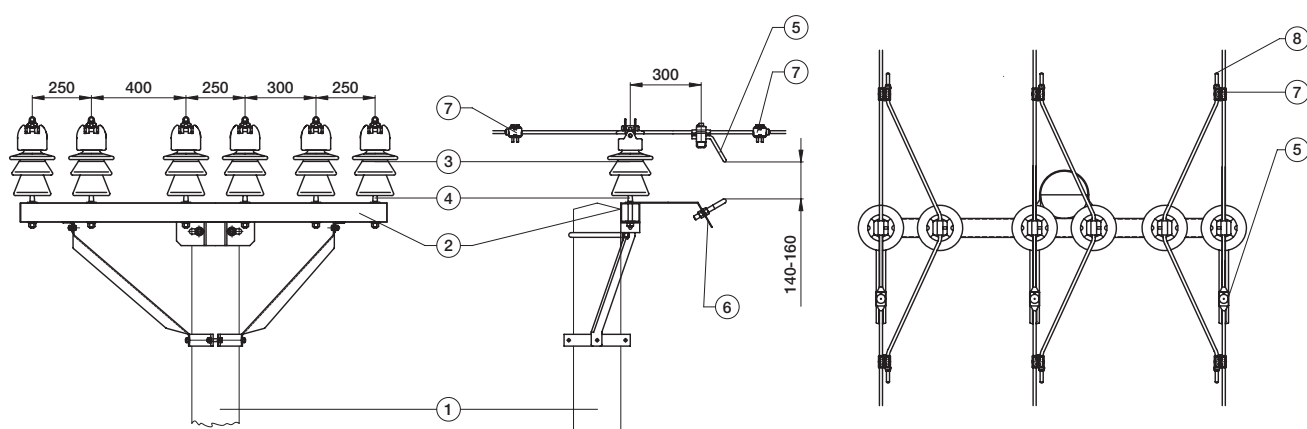
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	betonski stup [concrete pole]	
2	1	nosna čelična konzola IVKČ 3.15/19.5 GN86 [suspension steel crossarm brace IVKČ 3.15/19.5 GN86]	87
3	3	silikonski izolator [silicon insulator]	96
4	6	zaštitni rogovi [protection horns]	91
5	3	nosna stezaljka [suspension clamp]	93
6	3	izolirana vijčana stezaljka [insulated bolted clamp]	94



nosni (križni) betonski stup sa čeličnom konzolom za potporne izolatore

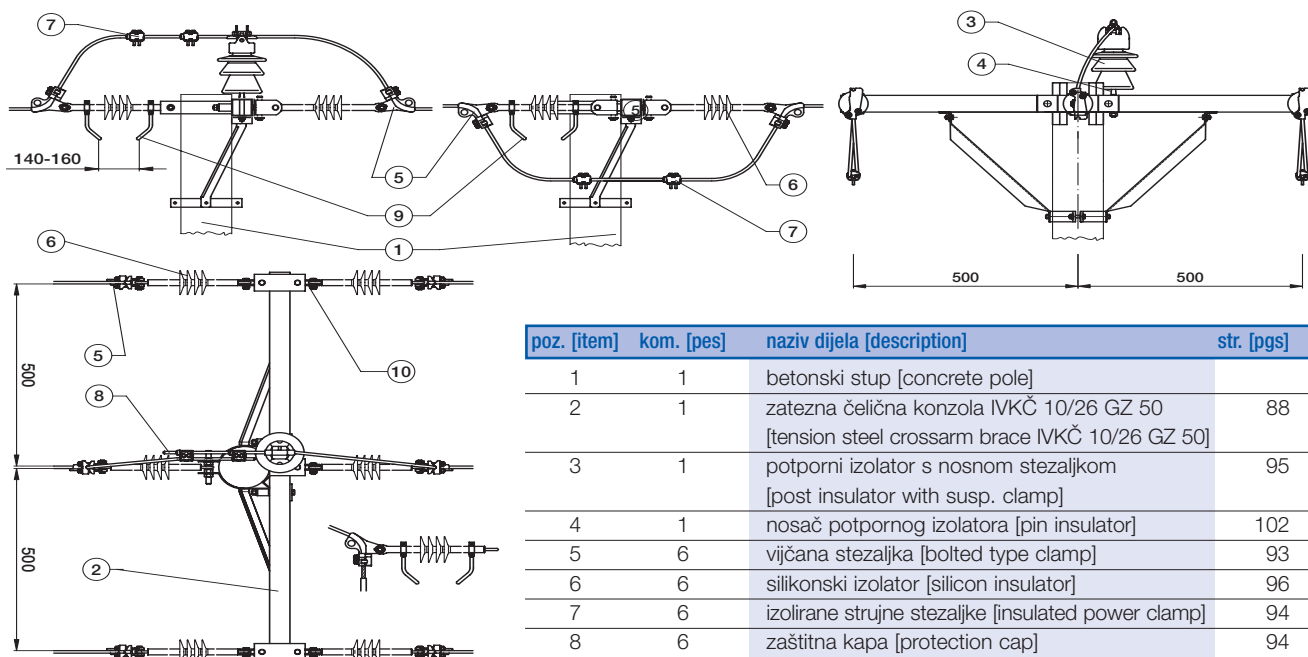
suspension concrete pole with steel arm brace for post insulators

poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	betonski stup [concrete pole]	
2	1	čelična konzola IVKČ/GKRN 300 [steel crossarm brace IVKČ/GKRN 300]	87
3	6	potporni izolator s nosnom stezaljkom [post insulator with susp. clamp]	95
4	6	nosač potpornog izolatora [pin insulator]	102
5	3	gornji zaštitni rog sa stezaljkom i uzemljenjem [upper protection horn with clamp earthing]	93
6	3	donji zaštitni rog [bottom protection horn]	91
7	6	izolirane strujne stezaljke [insulated power clamp]	94
8	6	zaštitna kapa [protection cap]	94



zatezni betonski stup sa čeličnom konzolom i zateznim lancima

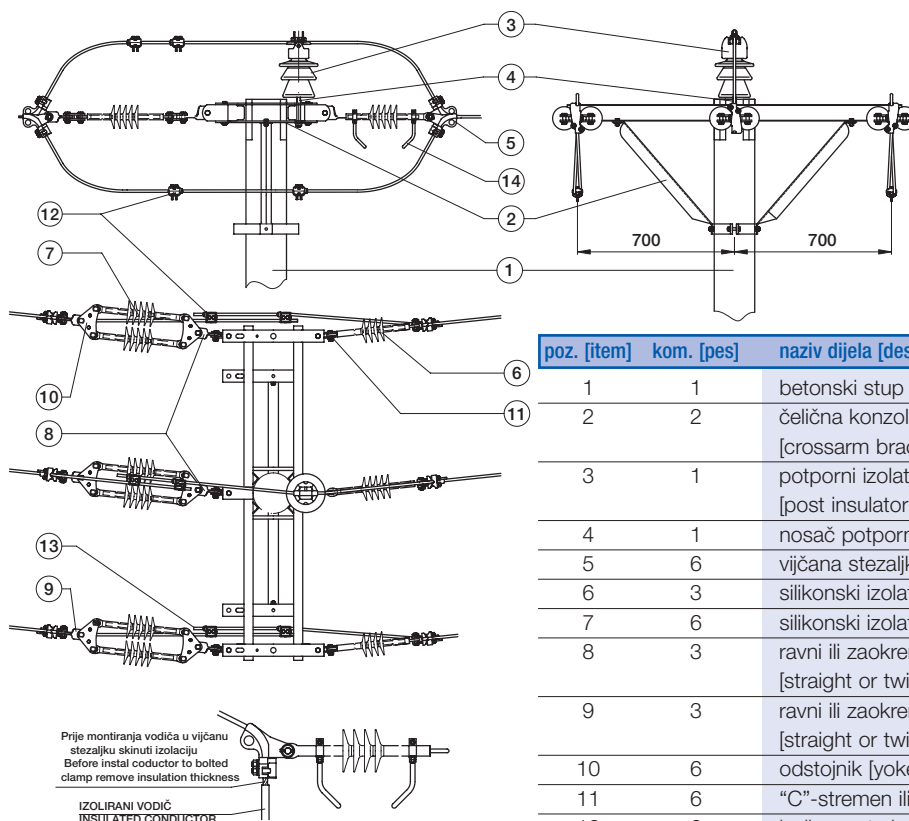
tension concrete pole with steel arm brace and tension strings



poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	betonski stup [concrete pole]	
2	1	zatezna čelična konzola IVKČ 10/26 GZ 50 [tension steel crossarm brace IVKČ 10/26 GZ 50]	88
3	1	potporni izolator s nosnom stezaljkom [post insulator with susp. clamp]	95
4	1	nosač potpornog izolatora [pin insulator]	102
5	6	vijčana stezaljka [bolted type clamp]	93
6	6	silikonski izolator [silicon insulator]	96
7	6	izolirane strujne stezaljke [insulated power clamp]	94
8	6	zaštitna kapa [protection cap]	94
9	5	zaštitni rogovi [protection horns]	91
10	6	zastavica 69.70.65C [hinge 69.70.65C]	92

kutni zatezni betonski stup sa čeličnom konzolom za jednostruke i dvostruke zatezne lance

angle tension concrete pole with steel arm brace for single and double tension insulator strings



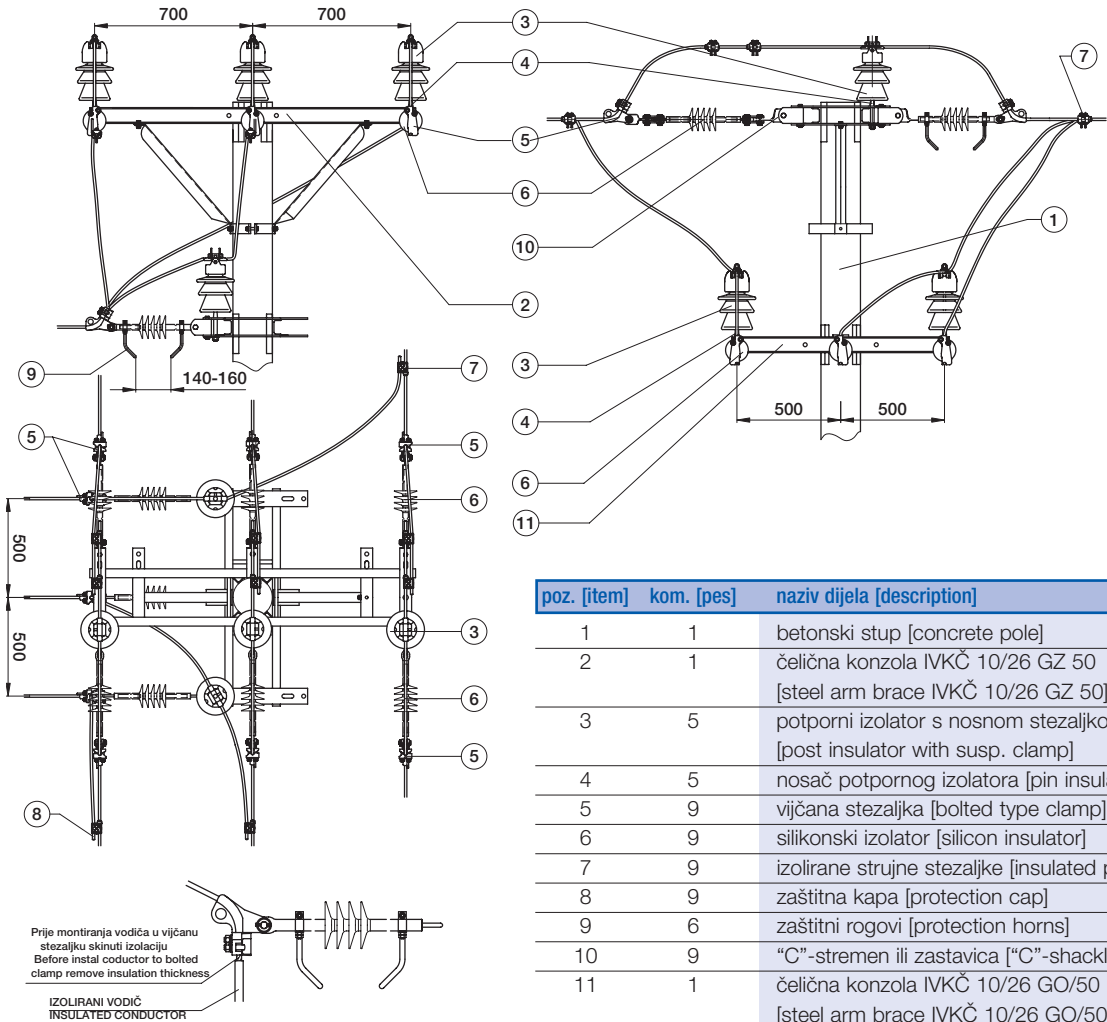
poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	betonski stup [concrete pole]	
2	2	čelična konzola IVKČ 10/26 GZ/70 [crossarm brace IVKČ 10/26 GZ/70]	88
3	1	potporni izolator s nosnom stezaljkom [post insulator with susp. clamp]	95
4	1	nosač potpornog izolatora [pin insulator]	102
5	6	vijčana stezaljka [bolted type clamp]	93
6	3	silikonski izolator [silicon insulator]	96
7	6	silikonski izolator [silicon insulator]	96
8	3	ravni ili zaokrenuti produžnik [straight or twisted extens. link]	91
9	3	ravni ili zaokrenuti produžnik [straight or twisted extens. link]	91
10	6	odstojnik [yoke]	92
11	6	"C"-stremen ili zastavica ["C"-shackle or hinge]	90
12	6	izolirana strujna stezaljka [insulated power clamp]	94
13	6	zaštitna kapa [protection cap]	94
14	6	zaštitni rogovi [protection horns]	91

nosno-odcjepni, kutni betonski stup sa čeličnim konzolama za
potporne izolatore i zatezne kompozitne lance

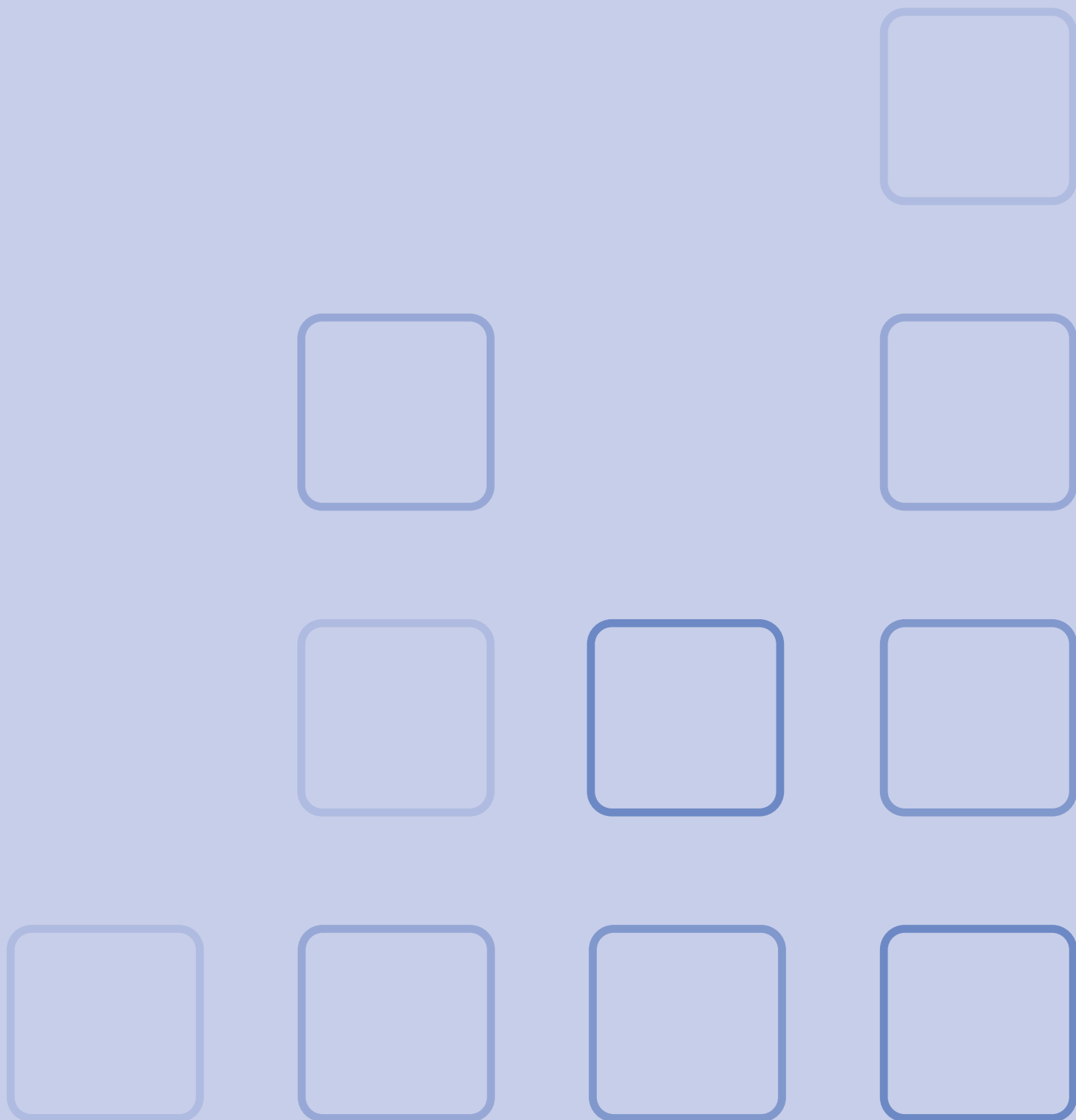
glavni i odcjepni vod – izolirani vodič

suspension-branch, angle concrete pole with steel crossarm
brace for post insulators and tension composite strings

main and branch transmission line of insulated conductor



poz. [item]	kom. [pes]	naziv dijela [description]	str. [pgs]
1	1	betonski stup [concrete pole]	
2	1	čelična konzola IVKČ 10/26 GZ 50 [steel arm brace IVKČ 10/26 GZ 50]	88
3	5	potporni izolator s nosnom stezaljkom [post insulator with susp. clamp]	95
4	5	nosač potpornog izolatora [pin insulator]	102
5	9	vijčana stezaljka [bolted type clamp]	93
6	9	silikonski izolator [silicon insulator]	96
7	9	izolirane strujne stezaljke [insulated power clamp]	94
8	9	zaštitna kapa [protection cap]	94
9	6	zaštitni rogovi [protection horns]	91
10	9	“C”-stremen ili zastavica [“C”-shackle or hinge]	90
11	1	čelična konzola IVKČ 10/26 GO/50 [steel arm brace IVKČ 10/26 GO/50]	88



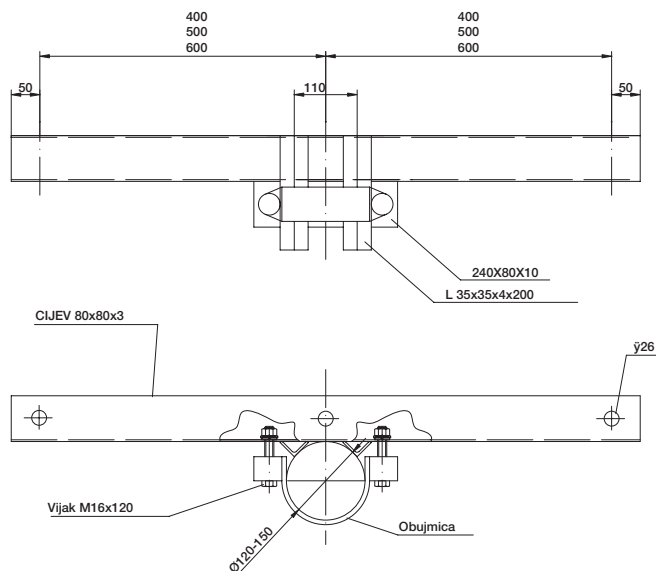
čelične konzole za betonske stupove i izolirane vodiče
[steel crossarm braces for concrete poles and insulated
conductors]



nosna čelična konzola za betonski stup 3.15**suspension steel crossarm brace for concrete pole**

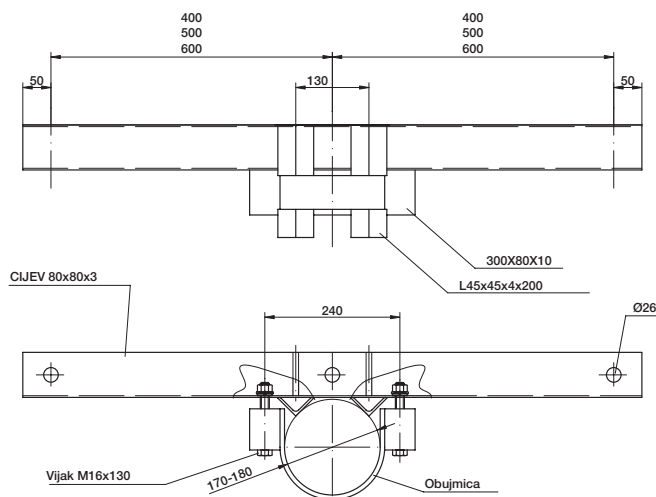
kat.broj [cat.no]	promjer betonskog stupa [diameter of concrete pole]	L [mm]	masa [mass] [kg]
IVKČ 3.15 /12 GN40	120-150	400	11.00
IVKČ 3.15 /13 GN40		400	11.00
IVKČ 3.15 /14 GN40		400	11.00
IVKČ 3.15 /15 GN40		400	11.00
IVKČ 3.15 /12 GN50		500	13.20
IVKČ 3.15 /13 GN50		500	13.20
IVKČ 3.15 /14 GN50		500	13.20
IVKČ 3.15 /15 GN50		500	13.20
IVKČ 3.15 /12 GN60		600	14.70
IVKČ 3.15 /13 GN60		600	14.70
IVKČ 3.15 /14 GN60		600	14.70
IVKČ 3.15 /15 GN60		600	14.70

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

**nosna čelična konzola za betonski stup 3/5/6.3****suspension steel crossarm brace for concrete pole**

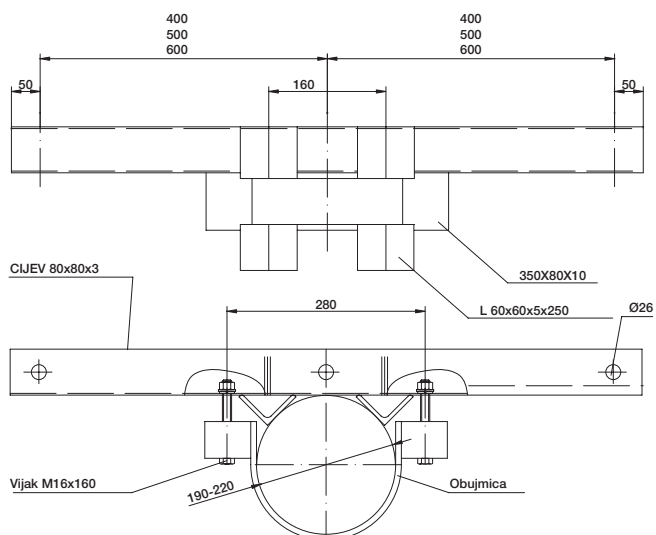
kat.broj [cat.no]	promjer betonskog stupa [diameter of concrete pole]	L [mm]	masa [mass] [kg]
IVKČ 3 /18 GN40	170-180	400	12.00
IVKČ 3 /18 GN50		500	14.20
IVKČ 3 /18 GN60		600	15.60
IVKČ 5 /17 GN40		400	12.00
IVKČ 5 /17 GN50		500	14.20
IVKČ 5 /17 GN60		600	15.60
IVKČ 6.3 /17.5 GN40		400	12.00
IVKČ 6.3 /17.5 GN50		500	14.20
IVKČ 6.3 /17.5 GN60		600	15.60

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

**nosna čelična konzola za betonski stup 3.15/5/6/6.3****suspension steel arm brace for concrete pole**

kat.broj [cat.no]	promjer betonskog stupa [diameter of concrete pole]	L [mm]	masa [mass] [kg]
IVKČ 3.15 /19.5 GN40	190-220	400	14.60
IVKČ 3.15 /19.5 GN50		500	16.80
IVKČ 3.15 /19.5 GN60		600	18.20
IVKČ 3.15 /22.6 GN40		400	14.60
IVKČ 3.15 /22.6 GN50		500	16.80
IVKČ 3.15 /22.6 GN60		600	18.20
IVKČ 5 /19.5 GN40		400	14.60
IVKČ 5 /19.5 GN50		500	16.80
IVKČ 5 /19.5 GN60		600	18.20
IVKČ 6 /22 GN40		400	14.60
IVKČ 6 /22 GN50	190-220	500	16.80
IVKČ 6 /22 GN60		600	18.20
IVKČ 6.3 /22 GN40		400	14.60
IVKČ 6.3 /22 GN50		500	16.80
IVKČ 6.3 /22 GN60		600	18.20
IVKČ 12 /22 GN40		400	14.60
IVKČ 12 /22 GN50		500	16.80
IVKČ 12 /22 GN60		600	18.20

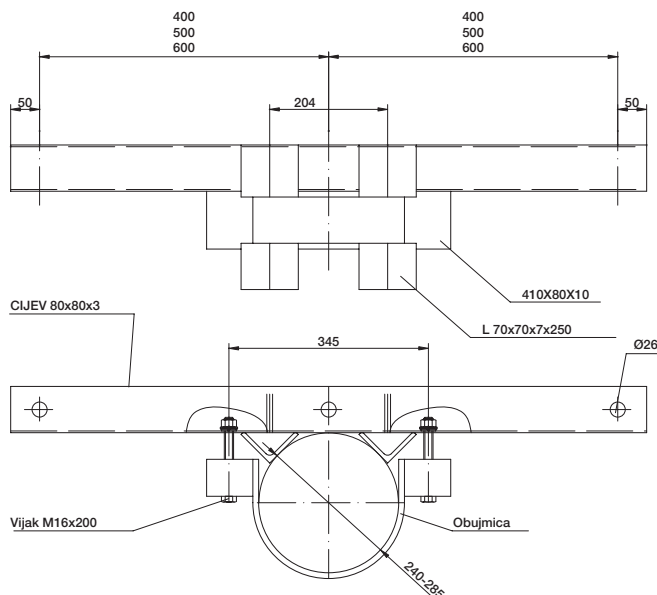
materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]



nosna čelična konzola za betonski stup 10/12**suspension steel crossarm brace for concrete pole**

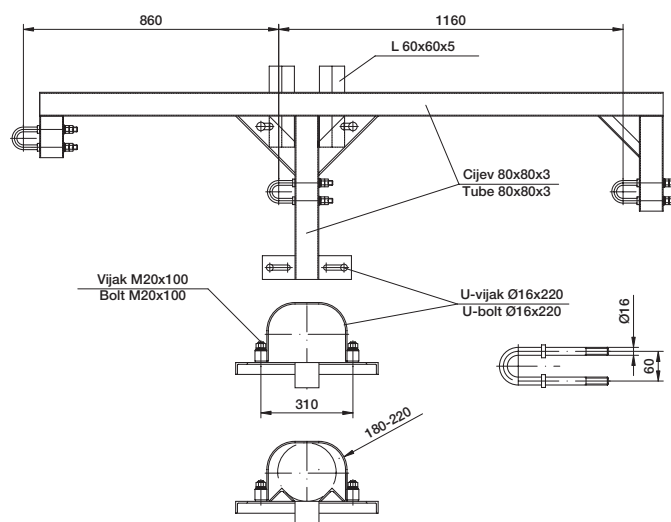
kat.broj [cat.no]	promjer betonskog stupa [diameter of concrete pole]	L [mm]	masa [mass] [kg]
IVKČ 10 /26 GN40		400	18.30
IVKČ 10 /26 GN50		500	20.45
IVKČ 10 /26 GN60		600	21.90
IVKČ 10 /28.5 GN40		400	18.30
IVKČ 10 /28.5 GN50	240-285	500	20.45
IVKČ 10 /28.5 GN60		600	21.90
IVKČ 10 /26.5 GN40		400	18.30
IVKČ 10 /26.5 GN50		500	20.45
IVKČ 10 /26.5 GN60		600	21.90

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

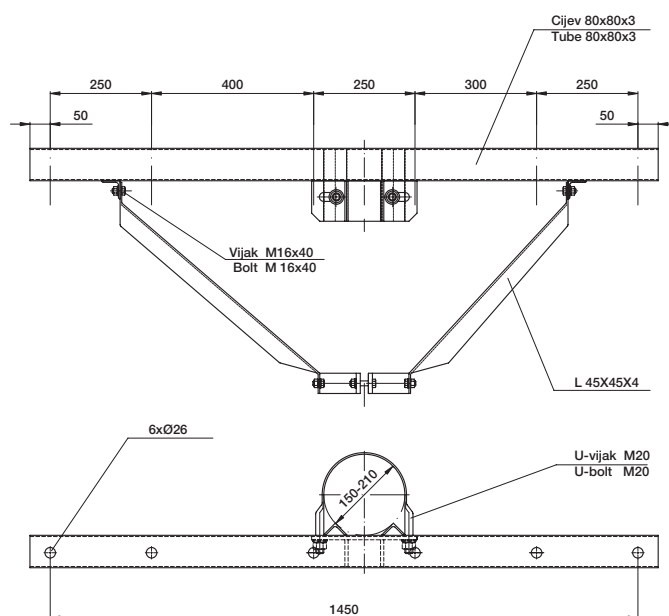
**nosna čelična kutna konzola za betonski stup 3.15/5/6/6.3/12****angle suspension steel crossarm brace for concrete pole**

kat.broj [cat.no]	promjer betonskog stupa [diameter of concrete pole]	L [mm]	masa [mass] [kg]
IVKČ 3.15/19.5 GN86			
IVKČ 3.15/22 GN86			
IVKČ 5/19.5 GN86	180-220		
IVKČ 6/22 GN86			
IVKČ 6.3/22 GN86			
IVKČ 12/22 GN86			

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

**nosna čelična (križna) konzola za betonski stup IVKČ/GKRN 300****suspension steel crossarm brace for concrete pole**

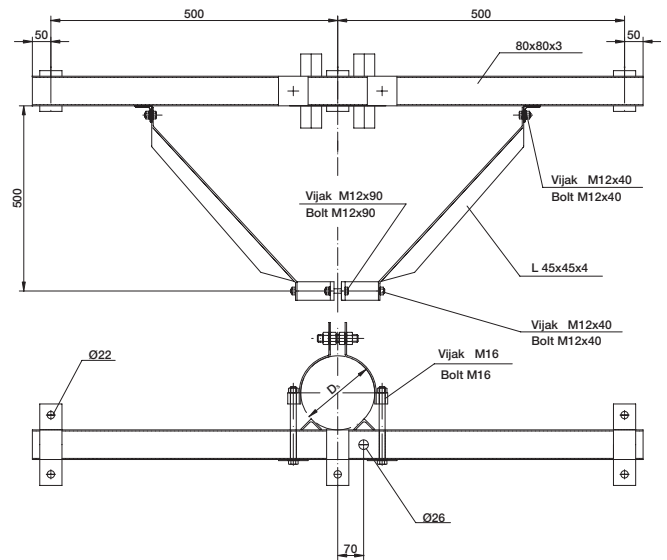
materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]



zatezna čelična konzola za betonski stup 10/12/16**tension steel crossarm brace for concrete pole**

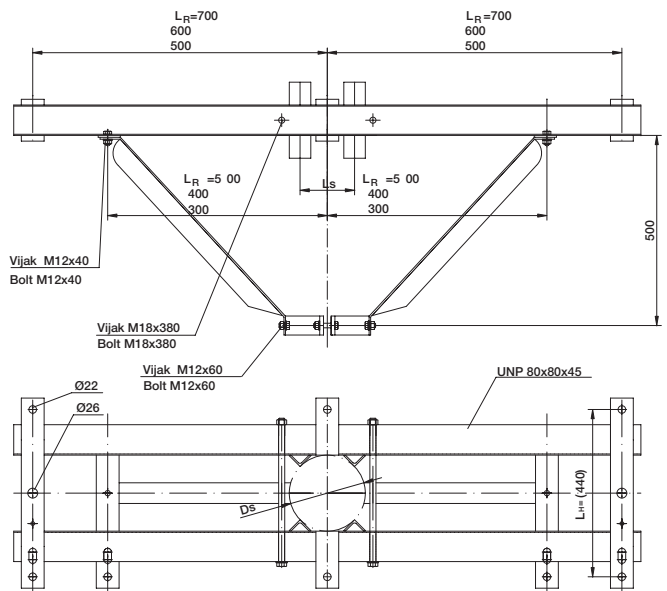
kat.broj [cat.no]	promjer betonskog stupa D_s [mm] [diameter of concrete pole]	L [mm]	masa [mass] [kg]
IVKČ 10 /26 GZ 50	240-285	500	
IVKČ 10 /28.5 GZ 50	240-285	500	
IVKČ 12 /22 GZ 50	190-220	500	
IVKČ 12 /26.5 GZ 50	240-285	500	
IVKČ 16 /26 GZ 50	240-285	500	
IVKČ 16 /28.5 GZ 50	240-285	500	

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

**zatezna (kutna-odvojna) čelična konzola za betonske stupove 26/28.5/31/33/34.5****tension (angle-branch) steel crossarm brace for concrete pole**

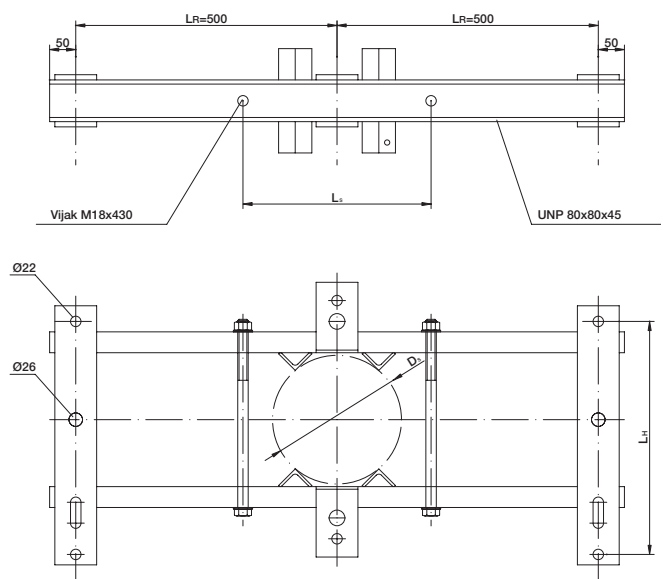
kat.broj [cat.no]	promjer betonskog stupa D_s [mm] [diameter of concrete pole]	L_R [mm]	masa [mass] [kg]
IVKČ 10 /26 GZ/70	240-285	700	
IVKČ 10 /26 GO/70	240-285	700	
IVKČ 10 /26 GR/70	240-285	500	

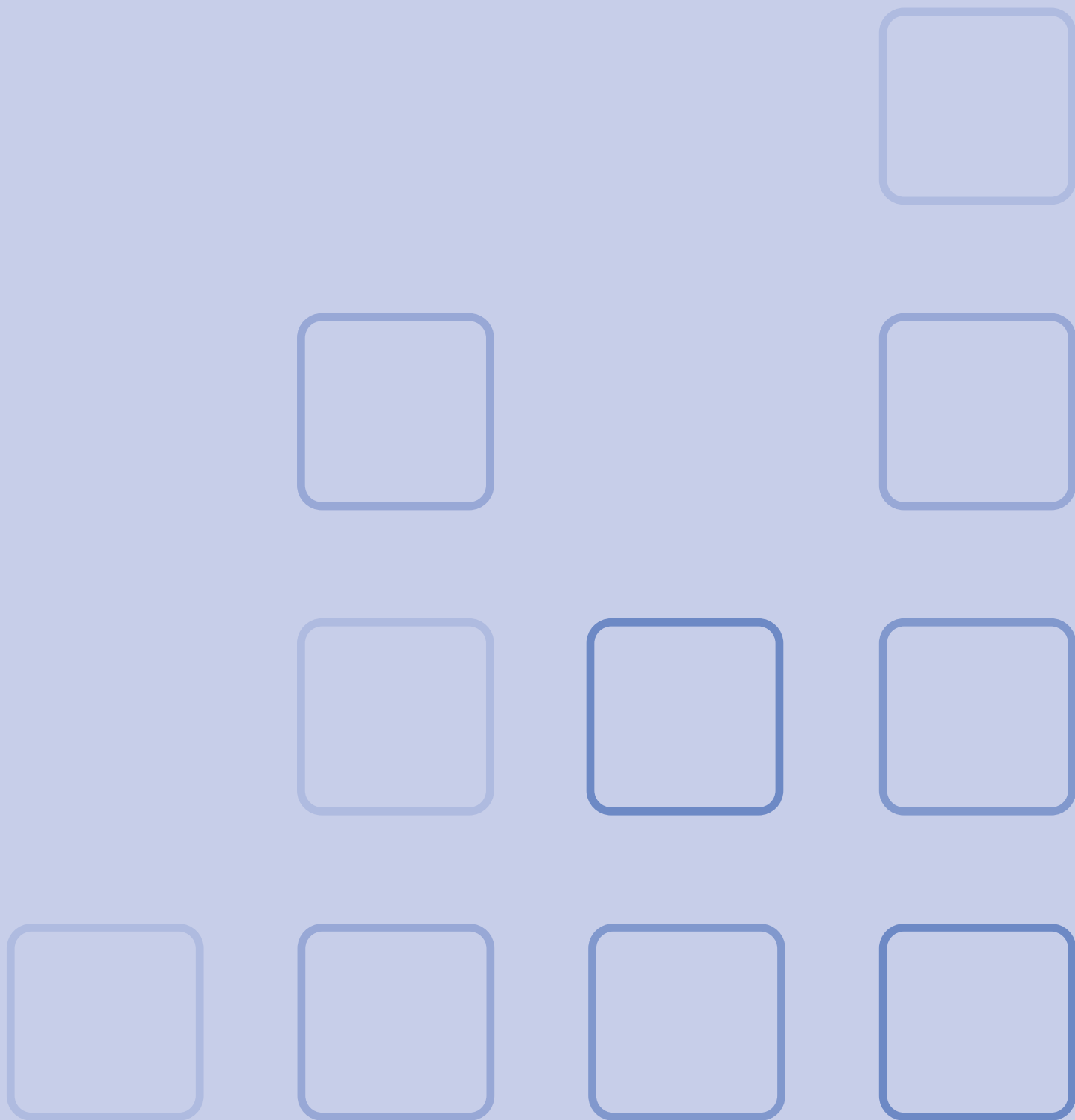
materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

**zatezna (kutna-odvojna) čelična konzola za betonske stupove 10/12/16/22/25****tension (angle-branch) steel crossarm brace for concrete poles**

kat.broj [cat.no]	promjer betonskog stupa D_s [mm] [diameter of concrete pole]	L_R [mm]	masa [mass] [kg]
IVKČ 10 /26 GO/50	240-285	500	
IVKČ 10 /28.5 GO/50	240-285	500	
IVKČ 12 /26.5 GO/50	240-285	500	
IVKČ 16 /26 GO/50	240-285	500	
IVKČ 16 /28.5 GO/50	240-285	500	
IVKČ 22 /31 GO/50	310-345	500	
IVKČ 25 /33 GO/50	310-345	500	

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]





ovjesna i spojna oprema za izolirane vodiče

[suspension and jointing equipment for insulated conductors]



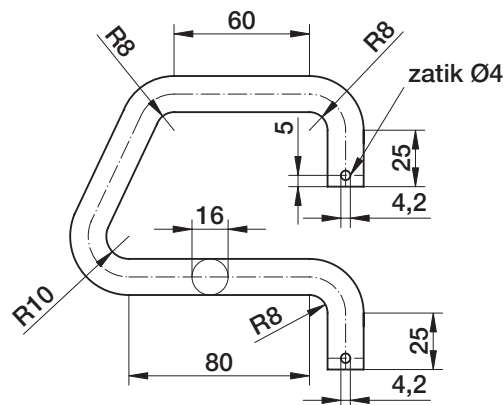
"C" stremen

"C" shackle

kat.br: 43.35.65.0S

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 0,60 kg



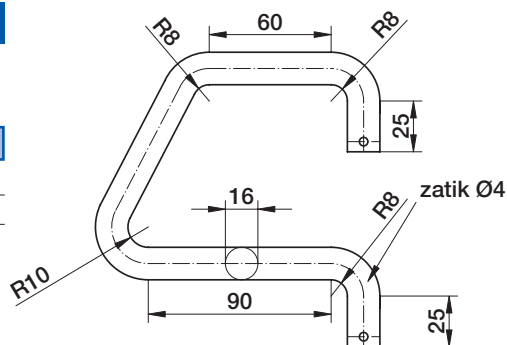
"C" stremen

"C" shackle

kat.br: 43.35.800S

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 0,70 kg



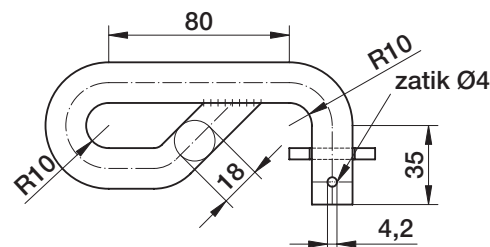
"C" stremen

"C" shackle

kat.br: 43.35.180U

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: ~ 0,65 kg

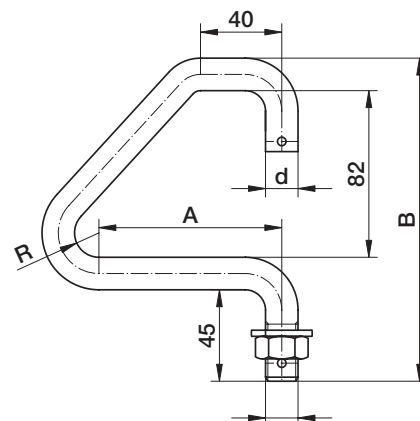


"C" stremen

"C" shackle

kat. br. [cat. no]	dimenzija [dimension]			d/m	mm		min. prekid sila [min. break strength] kn	masa [mass] kg
	a	b	b2		r			
35.16.91	90	150	90	16	15		100	0.65
35.18.91	90	150	70	18	12		100	0.75

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

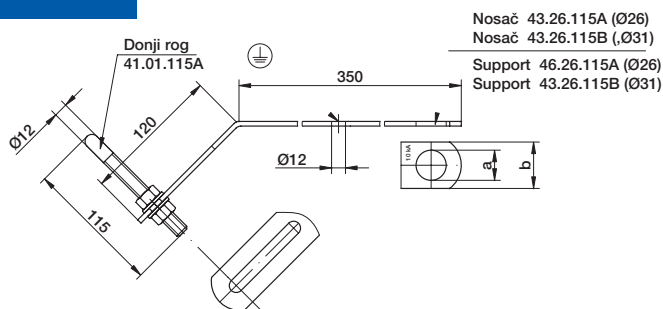


donji zaštitni rog sa nosačem za uzemljenje

bottom protection horn with support for earthing

kat. br. [cat. no]	dimenzije [dimensions](mm)		masa [mass]
	a	b	kg
43.41.26.02a	26	40	1,20
43.41.26.03a	31	40	1,40

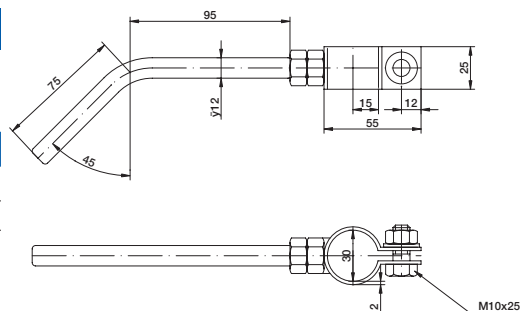
materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]



zaštitni rog za kompozitni izolator

protection horn for silicon insulator

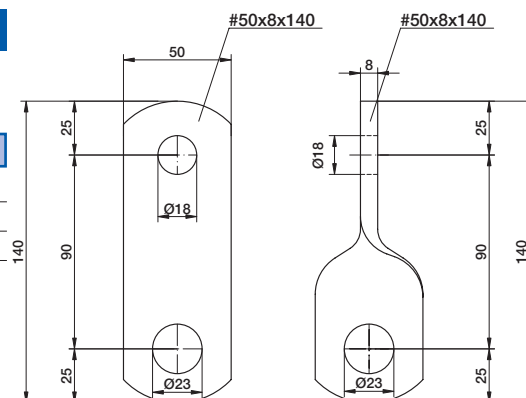
kat. br. 41.12.170A	
materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 0,30 kg



ravni i zaokrenuti 90 produžnik

straight and twisted extension link

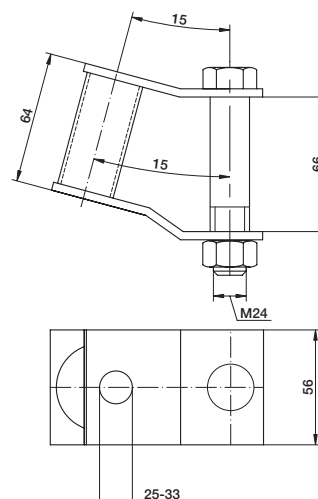
kat. br. 26.90.50A	
materijal [material]:	čelik, vroče pocinčano [steel, hot dip galvanized]
minimalna prekidna sila [minimum breaking strength]:	90 kn
masa [mass]:	~ 0,50 kg



kutni nosač izolatora

angle support for insulator

kat. br. 43.26.82A	
materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	~ 2,60 kg



odstojnik

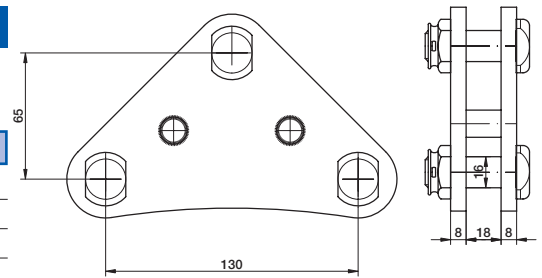
yoke

kat. br. 43.29.408

minimalna prekidna sila [minimum breaking strength]: 120 kn

materijal [material]: čelik, vruće pocinčan [steel, hot dip galvanized]

masa [mass]: ~ 1,70 kg



zastavica

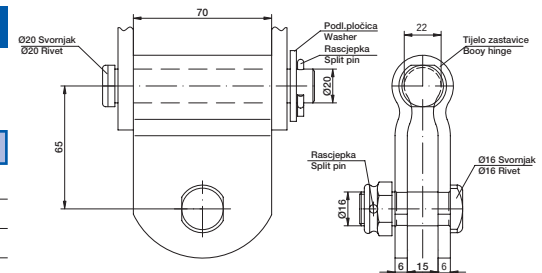
hinge

kat. br. 69.70.65C

minimalna prekidna sila [minimum breaking strength]: 120 kn

materijal [material]: čelik, vruće pocinčan [steel, hot dip galvanized]

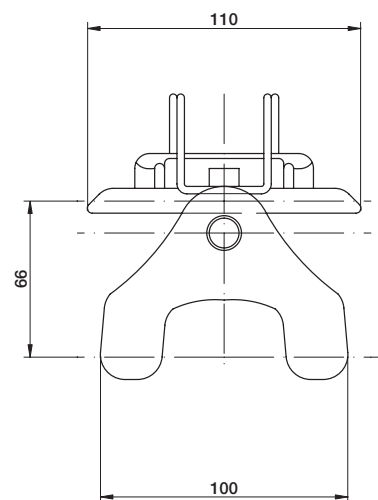
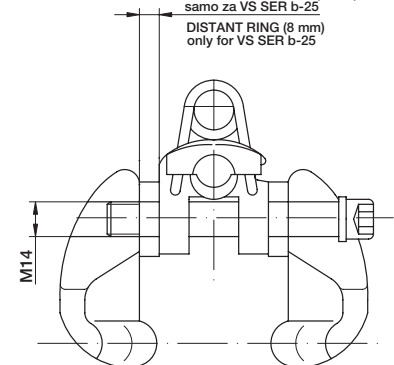
masa [mass]: ~ 1,20 kg

elastični nosač s nosnom stezaljkom za potporni izolator
tip SER b-20/25flexible support with suspension clamp for post insulator
type SER b-20/25

kat. br. [cat. no]	tip [type]	tip izolatora [insulator pine]	zatezni moment [tightening moment] Nm	vijak [bolt] MxL	masa [mass] kg
25.00.01	svs	ser b-20	25	14x100	1,10
25.00.02	svs	ser b-25	25	14x120	1,12
25.00.03	svs	ser b-25	25	14x100	1,10
25.00.04	svs	ser b-25	25	14x120	1,12

materijal [material]: Al legura [Al alloy]

čelik, vruće pocinčano [steel, hot dip galvanized]

DISTANTNI PRSTEN (8 mm)
samo za VS SER b-25
DISTANT RING (8 mm)
only for VS SER b-25

nosne stezaljke tip S081

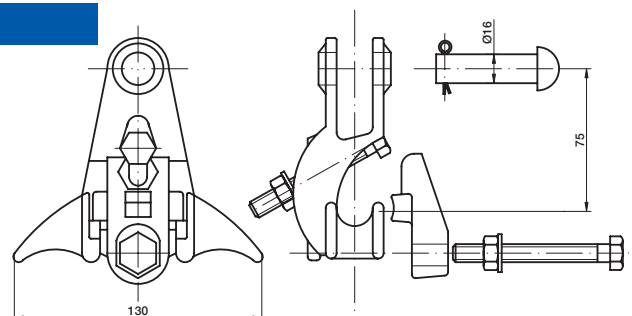
suspension clamp type S081

S081

materijal [material]: Al legura [Al alloy]

zatezni moment [tightening moment]: 40 nm

masa [mass]: ~ 0,70 kg

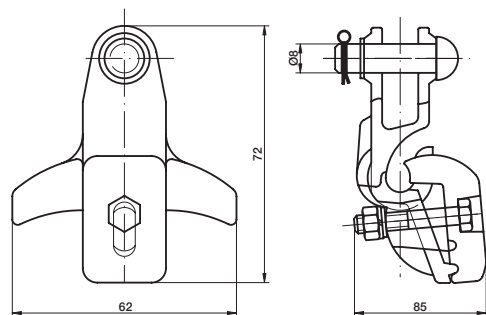


nosne stezaljke tip NS01

suspension clamp type NS01

NS01

materijal [material]:	Al legura [Al alloy]
zatezni moment [tightening moment]:	45 nm
masa [mass]:	~ 0,85 kg

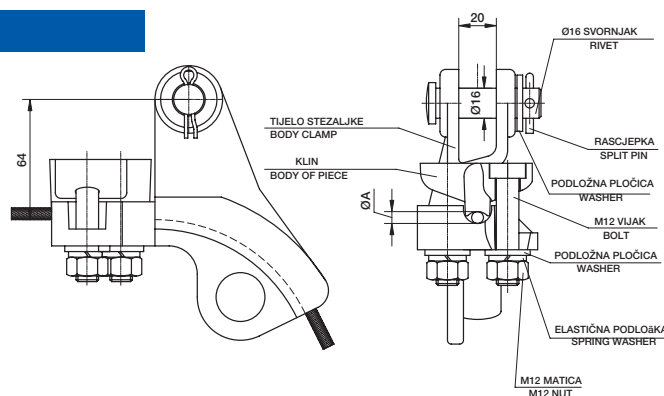


zatezna vijčana stezaljka za izolirane vodiče

tension bolted clamp for insulated conductors

kat. br. 16.91.10

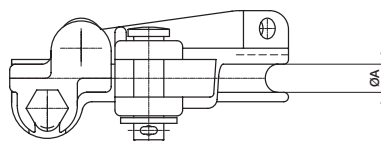
materijal [material]:	Al legura [Al alloy]
zatezni moment [tightening moment]:	55 nm
masa [mass]:	~ 0,70 kg



napomena: prije ugradnje vodiča u zateznu vijčanu stezaljku skinuti izolaciju

note: before instal conductor to tension bolted clamp remove isolation of conductor

Ø A= Ø6,3 - Ø15 (mm)

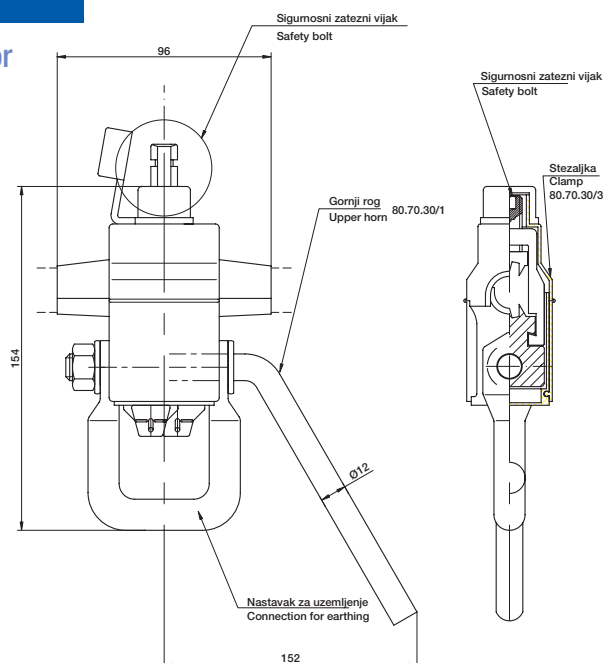


izolirana strujna stezaljka sa gornjim rogom i nastavkom za uzemljenje

insulated power clamp with upper horn and connexion for earthing

kat. br. 80.70.30

materijal [material]:	Al legura, plastični plašt, nehr. čelik [Al alloy, plastic cover, stainless steel]
zatezni moment [tightening moment]:	25 nm
masa [mass]:	~ 0,50 kg



izolirana strujna stezaljka

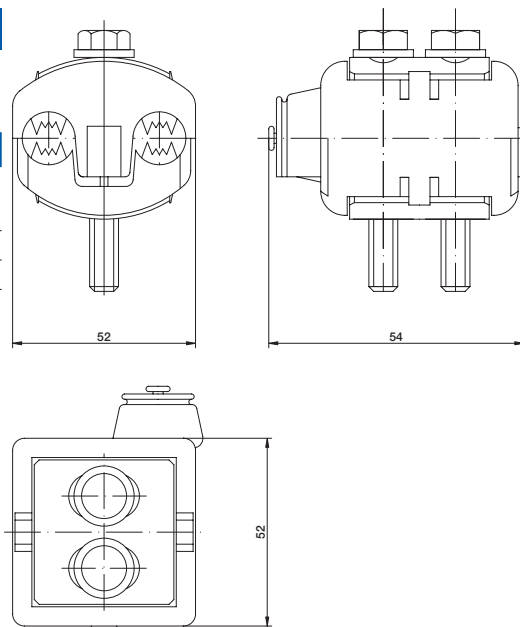
insulated power clamp

kat. br. 76.60.06D

materijal [material]: Al legura, plastični plašt, nehr. čelik
[Al alloy, plastic cover, stainless steel]

zatezni moment [tightening moment]: 20 nm

masa [mass]: ~ 0,20 kg

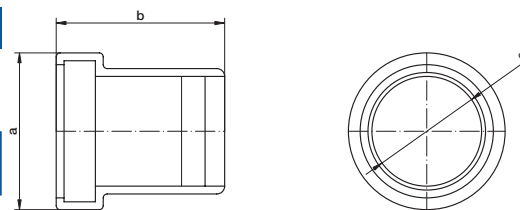


zaštitna kapa

protection cap

kat. br. [cat. no]	dimenzije [dimensions]			masa [mass] kg
	a	b	c	
43.50.16a	22	21,5	14	0,002
43.50.22a	28	27	19	0,005

materijal [material]: Al legura [Al alloy]

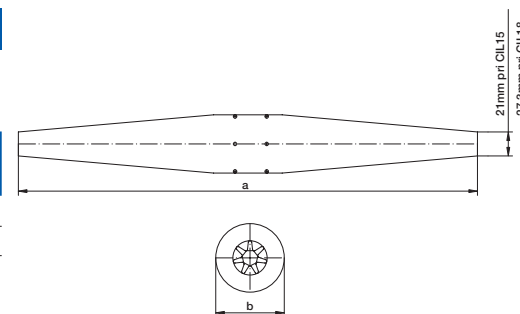


automatska spojnica za izolirane vodiče 35-70 mm

automatic midspan joint for insulated conductors 35-70 mm

kat. br. [cat. no]	vodič [conductor]	dimenzije [dimension](mm)		masa [mass] kg
		a	b	
43.50.15a	SAX 35	134	20	0,12
43.50.18a	SAX 70	186	28	0,13

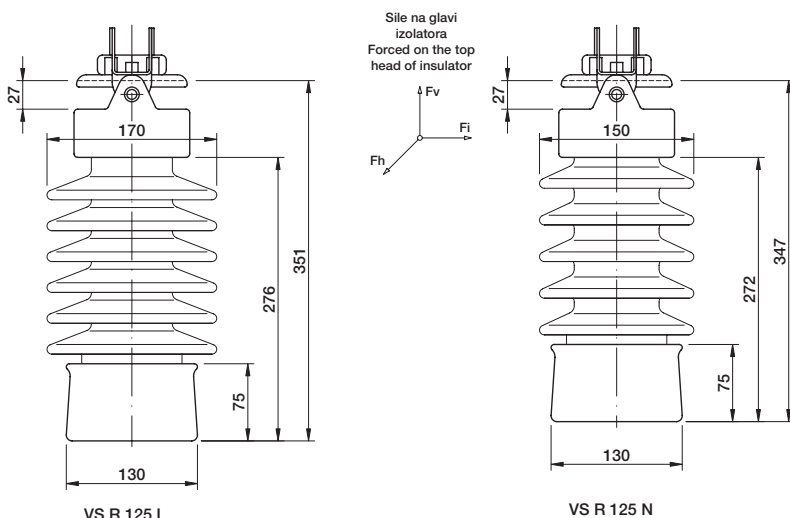
materijal [material]: Al legura [Al alloy]



potporni izolator tip VS R 125 L i VS R 125 S nosnom stezaljkom za gole izolirane vodiče

post insulator VS R 125 L and VS R 125 with suspension clamp for bare and insulated conductors

materijal [material]:	porcelan tip ker 110.1 po din 40685 [porcelain type ker 110.1 acc. to din 40685]
boja [colour]:	
uložak [insert]:	olovna puškica
izolatorske kape [insulator cap]:	Al legura [Al alloy]
navoj [coil]:	rd 28x1/8": din 405



presjek vodiča cross section of conductor [mm²]	sila izvlačenja slipping strength fi [kn]	horizontalna prekidna sila horizontal breaking strength fh [kn]	dopuštena vertikalna sila uprigh strength fv [kn]
35	0,5	10,0	1,1
70	0,6	10,0	1,1

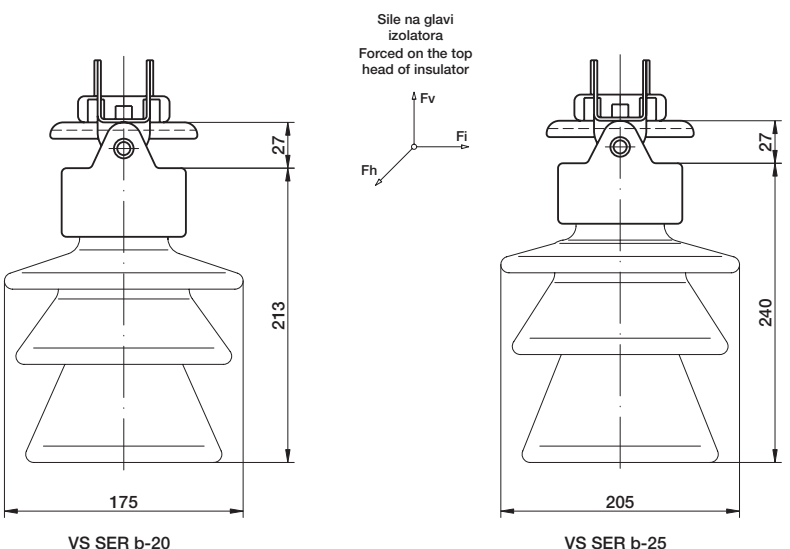
tehničke karakteristike – technical data

tip izolatora [type of insulator]	VS R 125 L VHD B-20	VS R 125 N VHD B-25
radni napon [system voltage]	24 kV	30 kV
minimalna strujna staza [minimum creepage distance]	360 mm	440 mm
minimalna prekidna sila [minimum breaking strength]	12 kV	12 kV
probodni napon [break down voltage]	140 kV	155 kV
jednominutni podnosivi napon ind. frekv. u kiši [one minute power frequency with stand voltage, 50 hz]	50 kV	70 kV
podnosivi atmosferski napon na suhom [lightning impulse with stand voltage]	125 kV	150 kV
masa [mass]	5,2 kg	7,5 kg

potporni izolator tip SER B-20 i VS SER B-25 s nosnom stezaljkom

post insulator type VS SER B-20 and VS SER B-25 with suspension clamp

materijal [material]:	porcelan tip ker 110.1 po din 40685 [porcelain type ker 110.1 acc. to din 40685]
boja [colour]:	
uložak [insert]:	olovna puškica
izolatorske kape [insulator cap]:	Al legura [Al alloy]
navoj [coil]:	rd 28x1/8": din 405



presjek vodiča cross section of conductor [mm²]	sila izvlačenja slipping strength fi [kn]	horizontalna prekidna sila horizontal breaking strength fh [kn]	dopuštena vertikalna sila uprigh strength fv [kn]
35	0,5	10,0	1,1
70	0,6	10,0	1,1

tehničke karakteristike – technical data

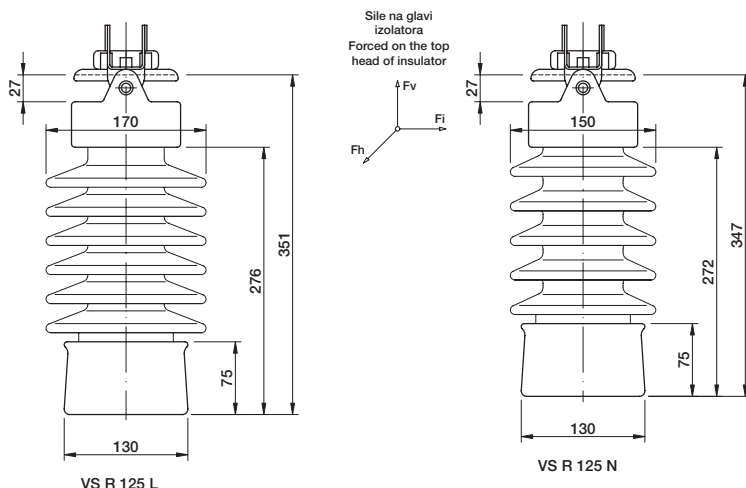
tip izolatora [type of insulator]	VS SER B-20	VS SER B-25
radni napon [system voltage]	24 kV	30 kV
minimalna strujna staza [minimum creepage distance]	360 mm	440 mm
minimalna prekidna sila [minimum breaking strength]	12 kV	12 kV
probodni napon [break down voltage]	140 kV	155 kV
jednominutni podnosivi napon ind. frekv. u kiši [one minute power frequency with stand voltage, 50 hz]	50 kV	70 kV
podnosivi atmosferski napon na suhom [lightning impulse with stand voltage]	125 kV	150 kV
masa [mass]	5,2 kg	7,5 kg

potporni izolator tip VS R 125 L i VS R 125 s nosnom stezaljkom za gole izolirane vodiče

post insulator VS R 125 L and VS R 125 with suspension clamp for bare and insulated conductors

materijal [material]:	porcelan tip ker 110.1 po din 40685 [porcelain type ker 110.1 acc. to din 40685]
boja [colour]:	
uložak [insert]:	olovna puškica
izlatorske kape [insulator cap]:	Al legura [Al alloy]
navoj [coil]:	rd 28x1/8": din 405

presjek vodiča cross section of conductor [mm ²]	sila izvlačenja slipping strength F _i [kn]	horizontalna prekidna sila horizontal breaking strength F _h [kn]	dopuštena vertikalna sila upright strength F _v [kn]
35	0,5	10,0	1,1
70	0,6	10,0	1,1



tehničke karakteristike – technical data

tip izolatora [type of insulator]	VS R 125 L VHD B-25	VS R 125 NV VHD B-25
radni napon [system voltage]	24 kV	30 kV
minimalna strujna staza [minimum creepage distance]	360 mm	440 mm
minimalna prekidna sila [minimum breaking strength]	12 kV	12 kV
probodni napon [break down voltage]	140 kV	155 kV
jednominutni podnosivi napon ind. frekv. u kiši [one minute power frequency with stand voltage, 50 hz]	50 kV	70 kV
podnosivi atmosferski napon na suhom [lightning impulse with stand voltage]	125 kV	150 kV
masa [mass]	5,2 kg	7,5 kg

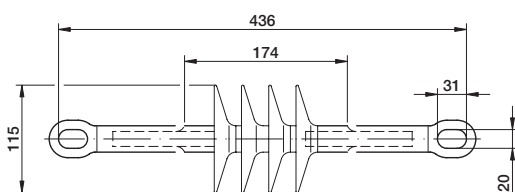
kompozitni izolator

composite insulator

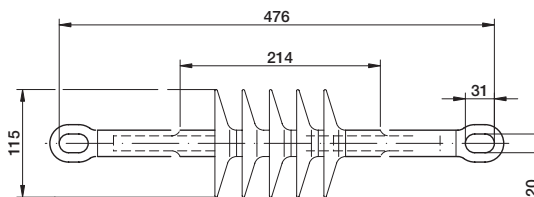
materijal [material]:	tijelo karike: čelik, vruće pocinčan [body of eye: steel, hot dip galvanized]
diskovi [sheds]:	silikonska guma [polimer]

tehničke karakteristike – technical data

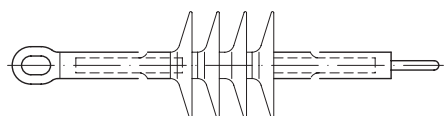
tip izolatora [type of insulator]	ISOL TIP 1,2	ISOL TIP 3,4
radni napon [system voltage]	24 kV	24 kV
minimalna strujna staza [minimum creepage distance]	480 mm	610 mm
minimalna prekidna sila [minimum breaking strength]	80 kV	80 kV
jednominutni podnosivi napon ind. frekv. u kiši [one minute power frequency with stand voltage, 50 hz]	65 kV	75 kV
podnosivi atmosferski napon na suhom [lightning impulse with stand voltage]	150 kV	170 kV
masa [mass]	1,8 kg	2,1 kg



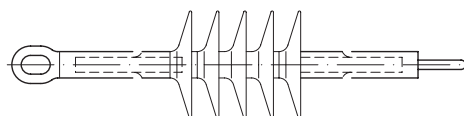
ISOL TIP 1



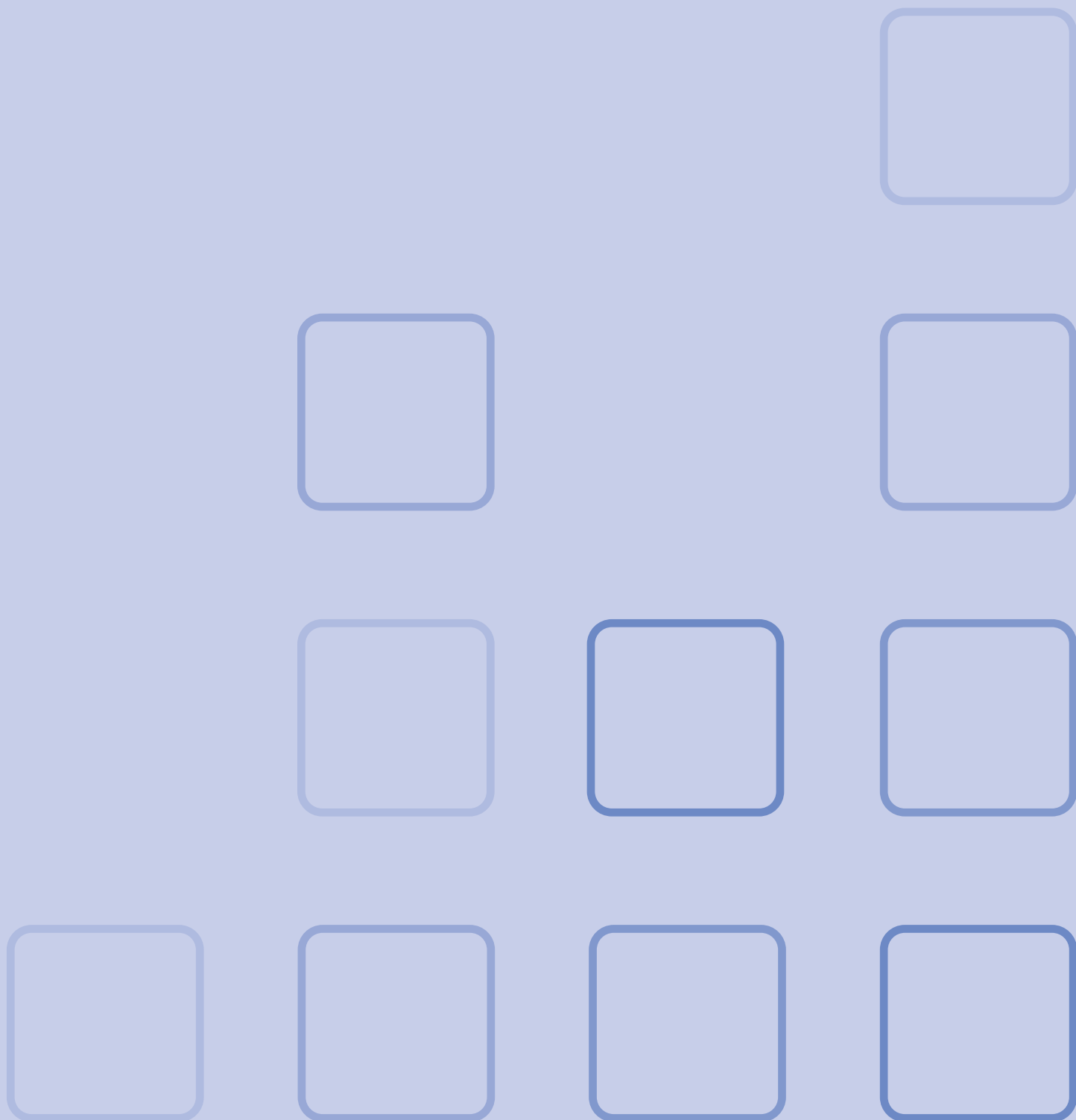
ISOL TIP 3



ISOL TIP 2



ISOL TIP 4



prije montiranja vodiča u vijčanu stezaljku skinuti izolaciju
[before instal conductor to bolted clamp remove insulation
thickness]

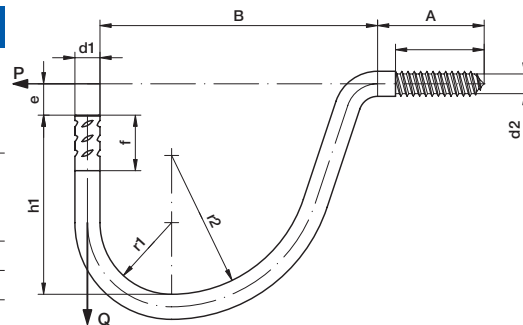


savnuti nosač za drveni stup

bent pin for wooden pole

materijal [material]:

nosač [pin]:	čelik St 37-2 prema DIN 17100, vruće pocinčan [steel St 37-2 acc. to DIN 17100, hot dip galvanized]
glava nosača [head of pin]:	DIN 48055
navoj za drvo [thread for wooden]:	DIN 571 [acc DIN 571]
ispitivanje [testing method]:	DIN 57446 ili VDE 0446 ili IEC 383 [acc. to DIN 57446 edition 4/82 or VDE 0446 or IEC 383]



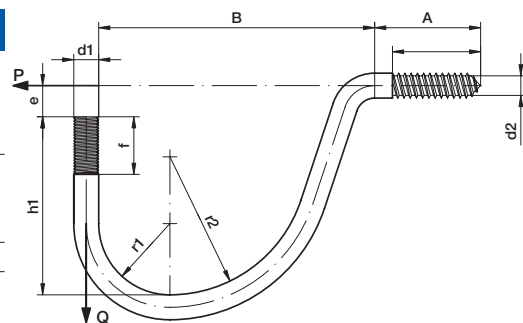
kat. br. [cat. no]	vrsta potpornog izolatora [pin- type insulator] DIN 48004	dimenzije [dimensions] [mm]										dopuštena sila [kN] [admissible load]		masa [mass] [kg]
		A	B	Ød1	Ød2	e	f	h1	r1	r2	m	P	Q	
79.26.12	St 10/15	120	310	25	20	30	57	170	60	140	100	0,8	0,6	2,50
79.26.13	St 10/15	120	310	25	25	30	57	170	60	140	100	0,8	0,6	2,55
79.26.13.2	St 10/15	120	310	24	25	30	50	170	60	140	100	0,8	0,6	2,50
79.27.12	St 20/15	120	310	28	22	35	62	200	80	155	100	1,0	0,7	3,60
79.27.13	St 20/15	120	310	28	28	35	62	200	80	155	100	1,0	0,7	3,68
79.27.13.2	St 20/15	120	310	26,5	28	35	55	200	80	155	100	1,0	0,7	3,60

savnuti nosač za drveni stup

bent pin for wooden pole

materijal [material]:

nosač [pin]:	čelik St 37-2 prema DIN 17100, vruće pocinčan [steel St 37-2 acc. to DIN 17100, hot dip galvanized]
navoj za drvo [thread for wooden]:	DIN 571 [acc DIN 571]
ispitivanje [testing method]:	DIN 57446 ili VDE 0446 ili IEC 383 [acc. to DIN 57446 edition 4/82 or VDE 0446 or IEC 383]



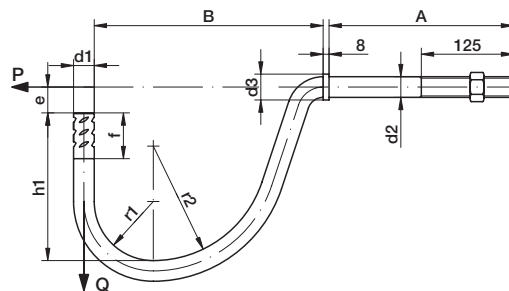
kat. br. [cat. no]	vrsta potpornog izolatora [pin- type insulator] din 48004	dimenzije [dimensions] [mm]										dopuštena sila [kN] [admissible load]		masa [mass] [kg]
		A	B	Ød1	Ød2	e	f	h1	r1	r2	m	P	Q	
79.26.13.4	st 10/15	120	310	M24	25	30	50	170	60	140	100	1,0	0,8	2,50
79.26.13.9	st 10/15	120	310	24x1/8"	25	30	45	170	60	140	100	1,0	0,8	2,50
79.27.13.9	st 20/25	120	310	28x1/8"	28	35	60	200	80	155	100	1,2	0,9	3,70
79.27.14	st 20/25	120	310	M27	28	35	65	200	80	155	100	1,2	0,9	3,68
43.79.07	st 10/15	120	310	24x1/8"	20	30	45	170	60	140	100	1,0	0,6	2,50
43.79.09	st 20/25	120	310	28x1/8"	22	35	65	200	80	155	100	1,0	0,7	3,60
43.79.11	st 10/15	120	310	24x1/8"	28	35	65	200	80	155	100	1,6	1,2	3,60
43.79.13	st 10/15	120	310	20x1/8"	20	30	65	170	60	140	100	0,8	0,6	2,50
43.79.14	st 20/25	120	310	28x1/8"	28	35	50	200	80	155	100	1,6	1,2	3,68

savnuti nosač

bent pin

materijal [material]:

nosač [pin]:	čelik St 37-2 prema DIN 17100, vruće pocinčan [steel St 37-2 acc. to DIN 17100, hot dip galvanized]
glava nosača [head of pin]:	DIN 48055 [acc. to DIN 48055]
matica:	čelik St 37-2 prema DIN 17100, vruće pocinčan [steel St 37-2 acc. to DIN 17100, hot dip galvanized]
navoj [thread for wooden]:	DIN 571 [acc DIN 571]
ispitivanje [testing method]:	DIN 57446 ili VDE 0446 ili IEC 383 [acc. to DIN 57446 edition 4/82 or VDE 0446 or IEC 383]



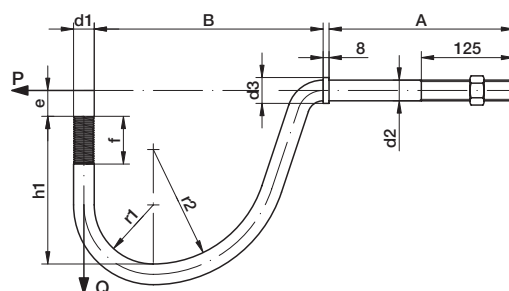
kat. br. [cat. no]	vrsta potpornog izolatora [pin- type insulator] din 48004	dimenzije [dimensions] [mm]										dopuštena sila [kN] [admissible load]		masa [mass] [kg]
		A	B	Ød1	Ød2	Ød3	e	f	h1	r1	r2	P	Q	
79.47.24A	st 10/15	250	310	25	M24	30	30	57	170	80	150	0,8	0,6	4,05
79.47.25	st 20/25	250	310	28	M24	50	35	62	200	80	150	1,0	0,7	4,85
79.47.25.4	st 20	250	310	26,5	M24	50	35	55	200	80	150	1,0	0,7	4,85
79.47.26A	st 20	250	310	32	M30	50	50	85	250	80	150	1,3	0,9	7,80

savnuti nosač

bent pin

materijal [material]:

nosač [pin]:	čelik St 37-2 prema DIN 17100, vruće pocinčan [steel St 37-2 acc. to DIN 17100, hot dip galvanized]
matica:	čelik St 37-2 prema DIN 17100, vruće pocinčan [steel St 37-2 acc. to DIN 17100, hot dip galvanized]
navoj [thread for wooden]:	DIN 571 [acc DIN 571]
ispitivanje [testing method]:	DIN 57446 ili VDE 0446 ili IEC 383 [acc. to DIN 57446 edition 4/82 or VDE 0446 or IEC 383]



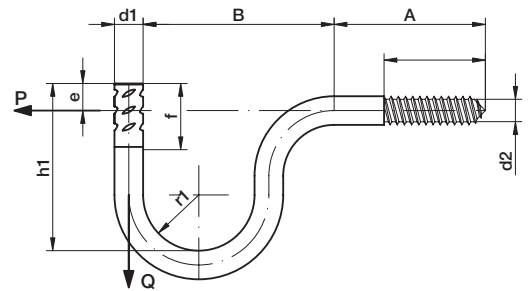
kat. br. [cat. no]	vrsta potpornog izolatora [pin- type insulator] din 48004	dimenzije [dimensions] [mm]										dopuštena sila [kN] [admissible load]		masa [mass] [kg]
		A	B	Ød1	Ød2	Ød3	e	f	h1	r1	r2	P	Q	
43.79.08	st 10/15	250	310	24x1/8"	M24	50	50	45	170	60	140	1,3	0,9	3,90
43.79.10	st 20/25	250	310	28x1/8"	M24	50	50	65	200	80	155	1,0	0,7	4,95
43.79.12	st 10/15	250	310	24x1/8"	M24	50	50	60	200	80	155	1,3	0,9	4,40
43.79.14A	st 30	300	415	32x1/8"	M30	50	50	85	200	80	155	1,4	1,0	7,80

savnuti nosač za drveni stup

bent pin for wooden pole

materijal [material]:

nosač [pin]:	čelik St 37-2 prema DIN 17100, vruće pocinčan [steel St 37-2 acc. to DIN 17100, hot dip galvanized]
glava nosača [head of pin]:	prema DIN 48055 [acc. to DIN 48055]
navoj za drvo [thread for wooden]:	DIN 571 [acc DIN 571]
ispitivanje [testing method]:	DIN 57446 ili VDE 0446 ili IEC 383 [acc. to DIN 57446 edition 4/82 or VDE 0446 or IEC 383]



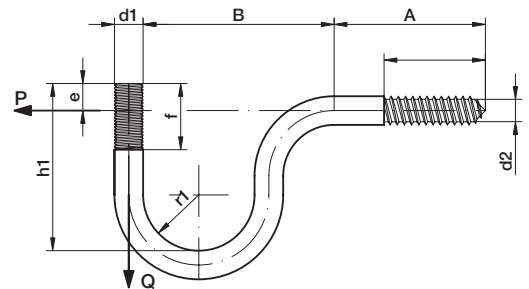
kat. br. [cat. no]	vrsta potpornog izolatora [pin- type insulator] din 481540	dimenzije [dimensions] [mm]									dopuštena sila [kN] [admissible load]		masa [mass] [kg]
		a	b	Ød1	Ød2	e	f	h1	r1	m	p	q	
79.11.07	N 95	75	100	16	16	13	40	100	30	55	0,7	0,55	0,55
79.12.06	N 95	95	110	18	18	18	40	105	35	80	0,8	0,6	0,77
79.13.07	N 95	95	110	20	20	18	40	105	35	80	0,8	0,6	0,87
79.13.08	N 95	95	110	19	20	18	40	105	35	80	0,8	0,6	0,87

savnuti nosač za drveni stup

bent pin for wooden pole

materijal [material]:

nosač [pin]:	čelik St 37-2 prema DIN 17100, vruće pocinčan [steel St 37-2 acc. to DIN 17100, hot dip galvanized]
navoj za drvo [thread for wooden]:	DIN 571 [acc DIN 571]
ispitivanje [testing method]:	DIN 57446 ili VDE 0446 ili IEC 383 [acc. to DIN 57446 edition 4/82 or VDE 0446 or IEC 383]



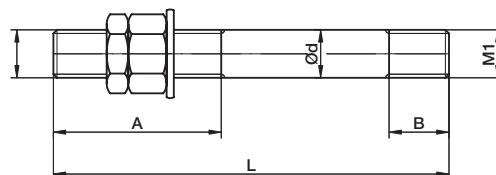
kat. br. [cat. no]	vrsta potpornog izolatora [pin- type insulator] din 48004	dimenzije [dimensions] [mm]									dopuštena sila [kN] [admissible load]		masa [mass] [kg]
		a	b	Ød1	Ød2	e	f	h1	r1	m	p	q	
79.11.07.9	St10/15	75	100	RD16x1/8"	16	13	45	100	30	55	0,7	0,55	0,55

ravni nosači izolatora

straight pins

materijal [material]:

nosač [pin]:	čelik St 37-2 prema DIN 17100, vruće pocinčan [steel St 37-2 acc. to DIN 17100, hot dip galvanized]
matice [nut]:	čelik St 37-2 prema DIN 17100, vruće pocinčan [steel St 37-2 acc. to DIN 17100, hot dip galvanized]
el. podloška [el. washer]:	prema DIN 571, vruće pocinčan [steel acc. to DIN 571, hot dip galvanized]



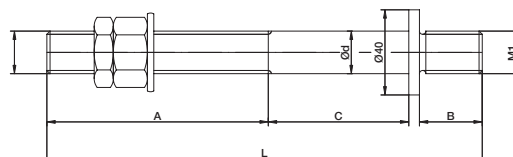
kat. br. [cat. no]	vrsta izolatora [type insulator]	dimenzije [dimensions] [mm]					prekidna sila [breaking strength]		masa [mass] [kg]
		A	B	L	ØD	M	M1	[kN]	
43.78.68	R 1,25 ET	70	25	165	20	M20	M20	12,5	0,50
43.78.68.20	R 1,25 ET	70	30	170	20	M20	M20	12,5	0,50
43.78.71	R 1,25 ET	90	25	203	20	M20	M20	12,5	0,65
43.78.75	R 1,25 ET	102	-	190	20	M20	-	12,5	0,55
43.78.93	R 1,25 ET	102	25	203	24	M24	M24	12,5	0,95
43.78.98	R 1,25 ET	70	30	170	27	M27	M20	12,5	0,90
43.78.98.2	R 1,25 ET	70	30	280	27	M27	M20	12,5	1,40
43.78.127	R 1,25 ET	90	40	220	20	M20	M20	12,5	0,65
43.78.127.2	R 1,25 ET	95	30	200	20	M20	M20	12,5	0,60
43.78.128	R 1,25 ET	50	40	180	20	M20	M20	12,5	0,55
43.78.131	R 1,25 ET	40	40	100	24	M24	M20	12,5	0,35
43.78.132	R 1,25 ET	70	40	190	24	M24	M20	12,5	0,85
43.78.132.2	R 1,25 ET	55	40	145	24	M24	M20	12,5	0,65
43.78.132.3	R 1,25 ET	80	40	180	30	M30	M20	12,5	1,20

ravni nosači izolatora za izolator tipa et prema IEC 720

bent pin for wooden pole for insulator type et acc. to IEC 720

materijal [material]:

nosač [pin]:	čelik St 37-2 prema DIN 17100, vruće pocinčan [steel St 37-2 acc. to DIN 17100, hot dip galvanized]
matice [nut]:	čelik St 37-2 prema DIN 17100, vruće pocinčan [steel St 37-2 acc. to DIN 17100, hot dip galvanized]
el. podloška [el. washer]:	prema DIN 571 [steel acc. to DIN 571] [steel acc. to DIN 571, hot dip galvanized]
navoj [thread]:	prema DIN 267 / srednji [acc. DIN 267 / middling]



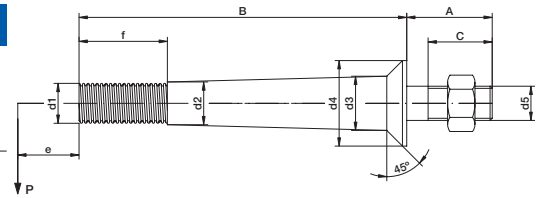
kat. br. [cat. no]	vrsta izolatora [type insulator]	dimenzije [dimensions] [mm]					prekidna sila [breaking strength]		masa [mass] [kg]
		a	b	c	l	Ød	m	m1	
43.78.75A	R 1,25 ET	104	30	66	205	20	M20	M20	1,15
43.78.75B	R 1,25 ET	90	40	85	220	20	M20	M20	1,25
43.78.75C	R 1,25 ET	70	30	65	170	20	M20	M20	0,90

ravni nosači izolatora, prema DIN 48044

straight pins, acc. to DIN 48044

materijal [material]:

nosač [pin]:	čelik St 37-2 prema DIN 17100, vruće pocinčan [steel St 37-2 acc. to DIN 17100, hot dip galvanized]
matice [nut]:	čelik St 37-2 prema DIN 17100, vruće pocinčan [steel St 37-2 acc. to DIN 17100, hot dip galvanized]
glava nosača [head of pin]:	prema DIN 405, vruće pocinčan [acc. to DIN 405, hot dip galvanized]
ispitivanje [testing method]:	prema DIN 57446 ili VDE 0210 [acc. to DIN 57446 edition 4/82 or VDE 0210]



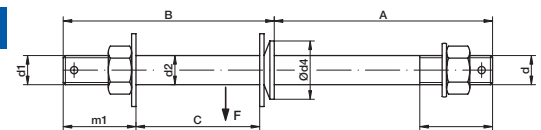
kat. br. [cat. no]	vrsta potpornog izolatora [pin- type insulator]	dimenzije [dimensions] [mm]									dopuštena sila [kN] [admissible load]		masa [mass] [kg]
		A	B	c	d1	d2	d3	d4	d5	e	f	kN	
zatezni / tension													
78.34.80	ST 10/15	140	200	95	24X1/8"	24	35	OK36	M24	40	60	3,00	1,55
78.34.80.5	ST 10/15	140	200	95	24X1/8"	24	35	OK32	M22	40	60	3,00	1,50
78.34.80.9	ST 10/15	140	250	95	24X1/8"	24	35	OK32	M22	40	60	3,00	2,00
43.78.123A	ST 10/15	140	170	75	24X1/8"	27	34	50	M24	40	57	3,00	1,70
43.78.124	ST 10/15	50	170	45	24X1/8"	27	34	50	M24	40	57	3,00	1,30
43.78.125	ST 20/25	60	230	45	28X1/8"	30	38	60	M24	43	62	3,45	1,80
43.78.126A	ST 20/25	140	205	75	28X1/8"	30	38	60	M24	43	62	3,45	2,10
43.78.126.3	ST 20/25	100	230	75	28X1/8"	30	38	60	M24	43	62	3,45	1,90
43.78.135B	ST 30	145	280	75	32X1/8"	34	44	70	M30	50	85	4,25	3,60

ravni nosači izolatora

straight arm

materijal [material]:

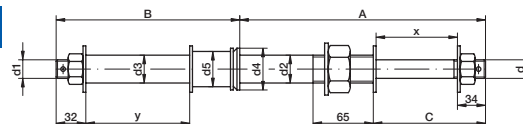
nosač [pin]:	čelik St 37-2 prema DIN 17100, vruće pocinčan [steel St 37-2 acc. to DIN 17100, hot dip galvanized]
matice [nut]:	čelik St 37-2 prema DIN 17100, vruće pocinčan [steel St 37-2 acc. to DIN 17100, hot dip galvanized]
podloške [washer]:	čelik prema DIN 571, vruće pocinčane [acc. to DIN 571, hot dip galvanized]
navoj [thread]:	prema DIN 267/srednji [acc. to DIN 267/midding]
rascjepka [split pin]:	nehrđajući čelik prema DIN 48063 [stainless steel acc. to DIN 4806]



kat. br. [cat. no]	vrsta potpornog izolatora [pin- type insulator] din 48154	dimenzije [dimensions] [mm]									dopuštena sila [kN] [admissible load]		masa [mass] [kg]
		A	B	C	d	d1	Ød2	Ød4	m	m1	kN		
78.20.85	s 80	105	170	85	m20	m20	20	45	55	32	4,00	1,15	
78.53.09	s 80 (z 80)	105	145	85	m20	m20	20	45	50	50	4,00	0,85	
43.78.96	s 115 (z 115)	165	170	120	m20	m20	30	45	40	32	8,50	1,55	

ravni dvostruki nosači izolatora

double straight arm



materijal [material]:

nosač [pin]:	čelik St 37-2 prema DIN 17100, vruće pocinčan [steel St 37-2 acc. to DIN 17100, hot dip galvanized]
matice [nut]:	čelik St 37-2 prema DIN 17100, vruće pocinčane [steel St 37-2 acc. to DIN 17100, hot dip galvanized]
podloške [washer]:	čelik prema DIN 571, vruće pocinčane [acc. to DIN 571, hot dip galvanized]
navoj [thread]:	prema DIN 267/srednji [acc. to DIN 267/midding]
rascjepka [split pin]:	nehrđajući čelik prema DIN 48063 [stainless steel acc. to DIN 4806]

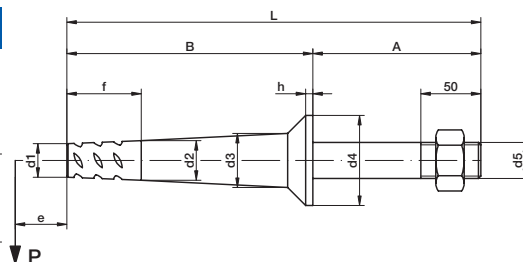
kat. br. [cat. no]	vrsta potpornog izolatora [pin-type insulator] din 48154		dimenzije [dimensions] [mm]								dopuštena sila [kN] [admissible load] [kN]		masa [mass] [kg]
			A	B	C	d	d1	Ød2	Ød4	Ød3	Ød5		
78.34.80.5	Y	X	265	198	118	m20	m20	30	30	45	38	8,0-4,0	2,75

ravni (stožasti) nosači izolatora, prema DIN 48044

straight (tapered) pins, acc. to DIN 48044

materijal [material]:

nosač [pin]:	čelik St 37-2 prema DIN 17100, vruće pocinčan [steel St 37-2 acc. to DIN 17100, hot dip galvanized]
matice [nut]:	čelik St 37-2 prema DIN 17100, vruće pocinčane [steel St 37-2 acc. to DIN 17100, hot dip galvanized]
ispitivanje [testing method]:	prema DIN 57446 ili VDE 0210 [acc. to DIN 57446 edition 4/82 or VDE 0210]



kat. br. [cat. no]	vrsta potpornog izolatora [pin- type insulator]	dimenzije [dimensions] [mm]										dopuštena sila [kN] [admissible load]		masa [mass] [kg]
		prema [acc. to] DIN 48004	A	B	d1	d2	d3	d4	d5	e	f	h	L	
zatezni / tension														
78.24.14	ST10/15	140	170	25	27	34	50	M24	40	57	5	310	3,00	2,07
78.24.14.2	ST10/15	140	170	24	30	40	60	M24	40	57	6	310	3,00	2,05
78.24.17	ST10/15	140	170	25	30	40	60	M30	40	57	6	310	3,00	2,35
78.25.20	ST20	140	205	28	33	45	75	M30	43	62	6	345	3,65	3,11
78.25.20A	ST20	140	205	28	30	38	60	M24	43	62	6	345	3,65	2,85
78.25.20.4	ST20	140	205	26,5	27	45	75	M30	43	62	6	345	3,65	2,75
78.27.32	ST30	145	320	35	40	53	90	M36	50	100	10	465	4,20	6,05
78.27.32A	ST30	145	280	32	34	44	70	M30	50	85	7	425	4,20	5,90

ravni nosači izolatora, prema DIN 48044

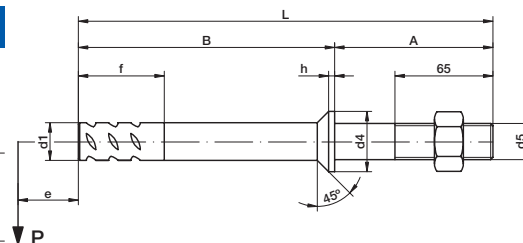
straight pins, acc. to DIN 48044

materijal [material]:

nosač [pin]: čelik St 37-2 prema DIN 17100, vruće pocinčan
[steel St 37-2 acc. to DIN 17100, hot dip galvanized]

matice [nut]: čelik St 37-2 prema DIN 17100, vruće pocinčane
[steel St 37-2 acc. to DIN 17100, hot dip galvanized]

ispitivanje [testing method]: prema DIN 57446 ili VDE 0210 [acc. to DIN 57446
edition 4/82 or VDE 0210]



kat. br. [cat. no]	vrsta potpornog izolatora [pin- type insulator] prema [acc. to] DIN 48004	dimenzije [dimensions] [mm]								dopuštena sila [kN] [admissible load]		masa [mass] [kg]
		A	B	d1	d4	d5	e	f	h	L	kN	

NOSNI / SUSPENSION

78.14.17	ST10/15	105	170	25	40	M24	40	57	4	275	1,25	1,20
78.14.17.2	ST10/15	105	170	25	40	M24	40	50	4	275	1,25	1,20
78.14.18	ST10/15	135	170	25	40	M24/75	40	57	4	305	1,25	1,30
78.15.20	ST20	105	205	28	45	M24	43	62	4	310	1,45	1,57
78.15.20.4	ST20	105	205	26,5	45	M24	40	55	4	310	1,45	1,66
78.15.21	ST20	130	205	28	45	M27	40	50	5	335	1,45	1,70
78.15.22	ST20	140	205	28	45	M27	40	50	5	345	1,45	1,75
78.15.23	ST20	140	380	28	45	M27	40	50	5	520	1,45	2,55
78.15.25	ST20	140	205	M27	45	M27	40	65	5	345	1,45	1,75
78.17.32A	ST30	125	280	32	50	M24	50	85	5	405	1,65	2,45
78.17.32	ST30	125	320	35	60	M24	50	100	5	445	1,65	3,10

ravni nosači izolatora, prema DIN 48044

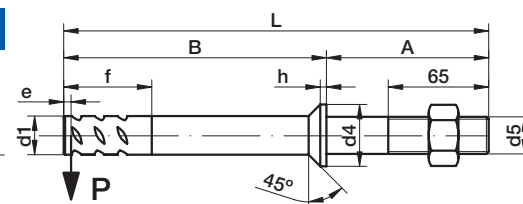
straight pins, acc. to DIN 48044

materijal [material]:

nosač [pin]: čelik St 37-2 prema DIN 17100, vruće pocinčan
[steel St 37-2 acc. to DIN 17100, hot dip galvanized]

matice [nut]: čelik St 37-2 prema DIN 17100, vruće pocinčane
[steel St 37-2 acc. to DIN 17100, hot dip galvanized]

ispitivanje [testing method]: prema DIN 57446 ili VDE 0210 [acc. to DIN 57446
edition 4/82 or VDE 0210]



kat. br. [cat. no]	vrsta potpornog izolatora [pin- type insulator] prema [acc. to] DIN 48004	dimenzije [dimensions] [mm]								dopuštena sila [kN] [admissible load]		masa [mass] [kg]
		A	B	d1	d4	d5	e	f	h	L	kN	

NOSNI / SUSPENSION

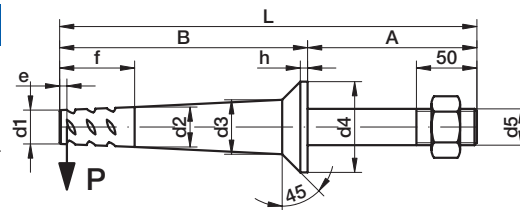
78.14.17	ST10/15	105	170	25	40	M24	40	57	4	275	1,25	1,20
78.14.17.2	ST10/15	105	170	25	40	M24	40	50	4	275	1,25	1,20
78.15.20	ST20	105	205	28	45	M24	43	62	4	310	1,45	1,57
78.15.20.4	ST20	105	205	26,5	45	M24	40	55	4	310	1,45	1,66
78.15.21	ST20	130	205	28	45	M27	40	50	5	335	1,45	1,70

ravni (stožasti) nosači izolatora prema DIN 48044

straight (tapered) pins acc. to DIN 48044

materijal [material]:

nosač [pin]:	čelik St 37-2 prema DIN 17100, vruće pocinčan [steel St 37-2 acc. to DIN 17100, hot dip galvanized]
matice [nut]:	čelik St 37-2 prema DIN 17100, vruće pocinčane [steel St 37-2 acc. to DIN 17100, hot dip galvanized]
ispitivanje [testing method]:	prema DIN 57446 ili VDE 0210 [acc. to DIN 57446 edition 4/82 or VDE 0210]



kat. br. [cat. no]	vrsta potpornog izolatora [pin- type insulator] prema [acc. to] DIN 48004	A	B	d1	d2	d3	d4	d5	e	f	h	dopuštena sila [kN] [admissible load] L kN	masa [kg] [mass] kg
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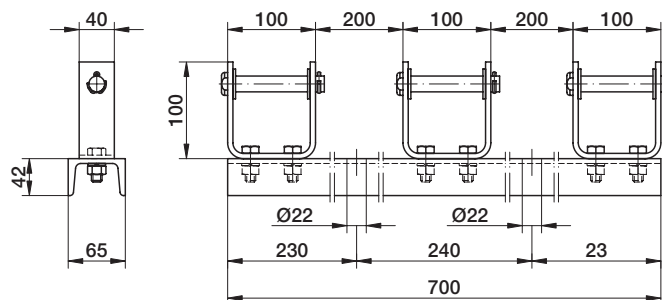
ZATEZNI / TENSION

78.21.08	N 80	85	90	16	16	24	35	M16	6	35	4	175	2,80	0,50
78.21.10	N 80	100	90	16	16	24	35	M16	6	35	4	190	2,80	0,53
78.21.12	N 80	120	90	16	16	24	35	M16	6	35	4	210	2,80	0,55
78.23.08	N 95-2/3	85	100	19	21	28	40	M20	6	40	4	185	4,50	0,60
78.23.12	N 95-2/3	120	100	19	21	28	40	M20	6	40	4	220	4,50	0,71

nosač izolatora za tri "D" nosača izolatora S80
kat. br. 43.78.144rack for three "D" clevis, dead end of insulators S80
cat. no 43.78.144

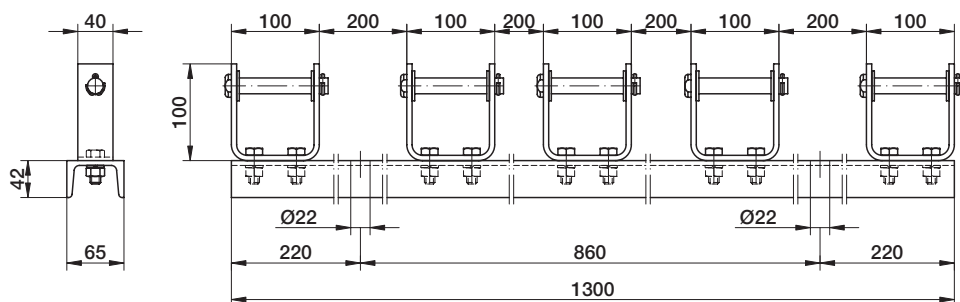
materijal [material]:

u profil [u profile]:	čelik St 37-2, DIN 17100 [steel St 37-2, DIN 17100]
svornik za izolator [river for insulator]:	DIN 17200
vijak M12 [bolt M12]:	DIN 17100 vruće pocinčano [hot dip galvanized]

nosač izolatora za pet "D" nosača izolatora S80
kat. br. 43.78.143rack for five "D" clevis, dead end of insulators S80
cat. no 43.78.143

materijal [material]:

u profil [u profile]:	čelik St 37-2, DIN 17100 [steel St 37-2, DIN 17100]
svornik za izolator [river for insulator]:	DIN 17200
vijak M12 [bolt M12]:	DIN 17100 vruće pocinčano [hot dip galvanized]

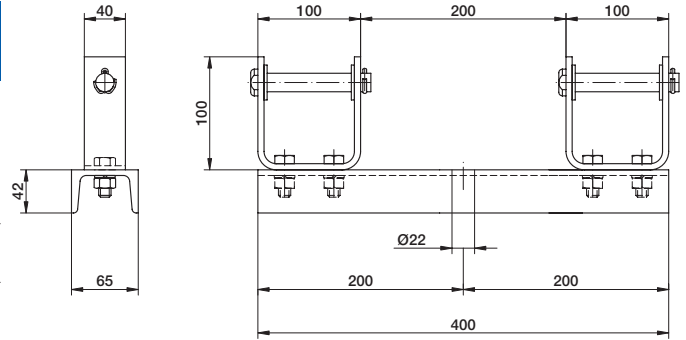


nosač izolatora za dva "D" nosača izolatora S80 kat. br. 43.78.145

rack for two "D" clevis, dead end of insulators S80
cat. no 43.78.145

materijal [material]:

u profil [u profile]:	čelik St 37-2, DIN 17100 [steel St 37-2, DIN 17100]
svornik za izolator [river for insulator]:	DIN 17200
vijak M12 [bolt M12]:	DIN 17100 vruće pocinčano [hot dip galvanized]

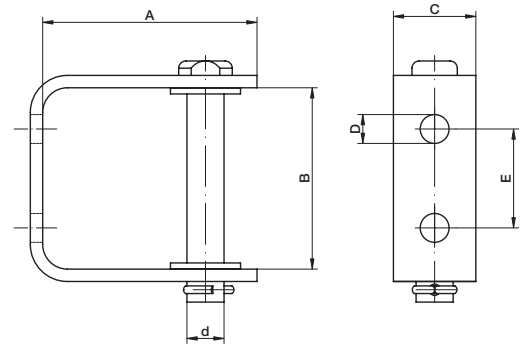


"D" nosači izolatora

"D" clevis dead end

materijal [material]:

tijelo nosača [body clevis]:	čelik prema DIN 17100, vruće pocinčan [steel acc. to DIN 17100, hot dip galvanized]
svornik: [rivet]	kovani čelik prema DIN 17200, vruće pocinčan [drop forged steel acc. to DIN 17200, hot dip galvanized]
podložne pločice [washers]:	čelik prema DIN 17100, vruće pocinčano [steel acc. to DIN 17100, hot dip galvanized]
rascjepka [split pin]:	nehrđajući čelik prema DIN 48063 [stainless steel DIN 48063]

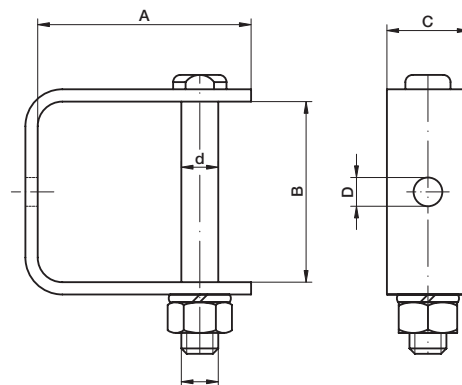


kat. br. [cat. no]	vrsta potpornog izolatora [pin- type insulator] DIN 48154	dimenzije [dimensions] [mm]						dopuštena sila [kN] [admissible load] kN	masa [mass] [kg]
		A	B	C	D	E	d / M		
43.78.16	S 80 (Z80)	76	86	40	16	50	Ø16	1,2	0,95
43.78.27	S 80 (Z80)	114	90	40	18	70	M12x120	1,2	0,92
*43.78.67	S 115 (Z115)	118	130	50	18	85	Ø28x160	1,2	2,18
*43.78.118	S 115 (Z115)	118	130	50	17,5	85	Ø30	1,2	2,70
79.95.10	S 80 (Z80)	70	86	40	16	50	Ø16	1,2	0,80

* "D" nosač s podložnim pločicama ["D" insulated clevis with washers]

“D” nosači izolatora**“D” clevis dead end****materijal [material]:**

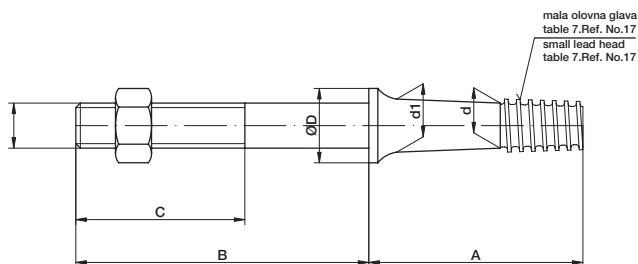
tijelo nosača [body clevis]:	čelik prema DIN 17100, vruće pocinčan [steel acc. to DIN 17100, hot dip galvanized]
vijak [bolt]:	kovani čelik prema DIN 17200, vruće pocinčan [drop forged steel acc. to DIN 17200, hot dip galvanized]
podložne pločice [washers]:	čelik prema DIN 17100, vruće pocinčane [steel acc. to DIN 17100, hot dip galvanized]



kat. br. [cat. no]	vrsta potpornog izolatora [pin- type insulator] DIN 48154	dimenzije [dimensions] [mm]					dopuštena sila [kN] [admissible load] kN	masa [mass] [kg]
		A	B	C	D	d / M		
43.78.09	S 80	105	75	30	14	M12	0,6	0,70
43.78.10	S 80 (Z80)	115	100	40	18	M16	1,2	1,15
43.78.14	S 80 (Z80)	115	100	50	22	M16	1,2	1,20
43.78.31	S 80	102	67	40	18	M16	1,2	0,85
43.78.50	S 80 (za drvo [for wooden])	120	85	40	14	Ø16x110	1,5	1,55
43.78.51	S 80 (za drvo [for wooden])	70	85	35	14	Ø16x105	1,5	1,72
43.78.52	S 80	85	82	40	18	M16x120	1,5	0,80
43.78.53	S 80	70	55	30	14	M16x90	1,2	0,45
43.78.64	S 80	90	80	40	18	Ø16x105	1,2	0,80
43.78.65	S 80	80	70	40	18	Ø16x95	1,2	0,70
43.78.65.2	S 80	80	70	40	22	Ø16x95	1,2	0,70
43.78.74	S 80	76	90	40	18	Ø16x120	1,2	0,68
43.78.83	S 80	115	90	60	18	M16x135	1,2	1,10
43.78.91	S 80	125	85	40	18	M16x120	1,2	0,85
43.78.92	S 80	95	90	40	18	M16x130	1,2	1,10
43.78.109	S 80	90	85	40	18	Ø16x115	1,2	0,75
43.78.115	S 80	85	80	30	18	M16x120	1,2	1,10
43.78.134	S 80	85	85	40	18	Ø16x115	1,2	0,75
43.78.137	S 80	50	64	40	22	Ø16x90	1,2	0,56

ravni nosači izolatora prema bs-u 137**straight pins acc. to bs 137****materijal [material]:**

nosač [pin]:	čelik prema DIN-u 17200 [steel acc to DIN 17200]
matica [nut]:	čelik prema DIN-u 17100 vruće pocinčano [steel acc to DIN 17100 hot dip galvanized]



kat. br. [cat. no]	vrsta potpornog izolatora [pin- type insulator]	dimenzije [dimensions] [mm]					dopuštena sila [kN] [admissible load] kN	masa [mass] [kg]
		A	B	C	ØD	Ød		
78.44.01		114	130	75	33	24	20	1,00
78.44.02		114	50	45	33	24	20	0,85
78.44.03		114	130	75	41	24	20	1,15
78.44.04		114	50	45	41	24	20	1,00
78.44.05		165	130	75	38	24	20	1,35
78.44.06		165	50	45	38	24	20	1,20
78.44.07		165	130	75	44	24	20	1,65
78.44.08		165	50	45	44	24	20	1,50
78.44.10		150	130	75	60	24	20	1,36
78.44.11		150	45	40	60	24	20	1,10

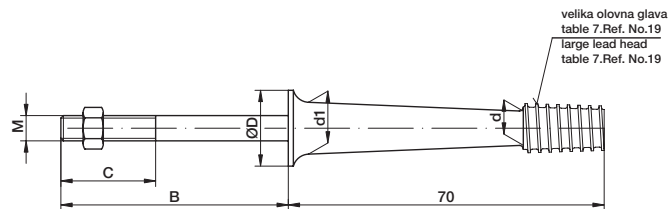
ravni nosači izolatora prema bs-u 137

straight pins acc. to bs 137

materijal [material]:

nosač [pin]: čelik prema DIN-u 17200 [steel acc to DIN 17200]

matica [nut]: čelik prema DIN-u 17100 vruće pocinčano [steel acc to DIN 17100 hot dip galvanized]



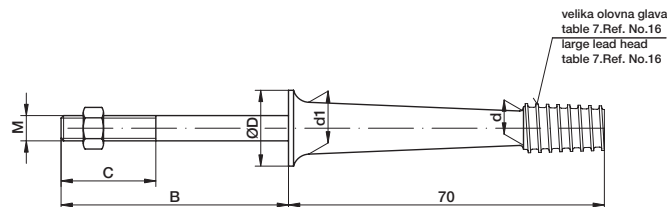
kat. br. [cat. no]	vrsta potpornog izolatora [pin- type insulator]	dimenzije [dimensions] [mm]						dopuštena sila [kN] [admissible load]		masa [mass] [kg]
		A	B	C	ØD	Ød	Ød1	M	kN	
78.27.01		250	180	75	60	27	41	20	10,9	2,54
78.27.02		330	180	75	60	27	41	20	10,9	3,08
78.27.03		250	45	40	60	27	41	20	10,9	2,29
78.27.04		330	45	40	60	27	41	20	10,9	2,87
78.27.05		178	165	90	51	20	25	20	5,50	1,50
78.27.06		178	45	40	51	20	25	20	5,50	1,00
78.27.07		230	165	75	76	28		20	10,9	3,50
78.27.08		230	45	40	89	28		20	10,9	3,20
78.44.51		230	60	55	51	24	38	22	10,9	1,93
78.44.52		230	130	75	41	24	29	22	5,50	1,88
78.44.53		230	50	45	41	24	29	22	5,50	1,65
78.44.54		230	130	75	51	24	38	22	10,9	2,15
78.44.55		230	50	45	51	24	38	22	10,9	1,90
78.44.56		305	130	75	44	24	32	22	5,50	2,58
78.44.57		305	50	75	44	24	32	22	5,50	2,45
78.44.58		230	130	75	51	24	38	22	10,9	2,15
78.44.61		205	178	90	75	25	35	20	10,9	2,40
78.45.51		305	130	75	64	27	41	22	10,9	3,05
78.45.52		305	50	45	64	27	41	22	10,9	2,90
78.44.57		250	178	90	90	28	35	20	5,50	2,70
43.78.18		178	165	95	45	20	25	20	5,50	1,50
43.78.19		178	45	40	45	20	25	20	5,50	1,15

ravni nosači izolatora prema bs-u 137

straight pins acc. to bs 137

materijal [material]:

nosač [pin]:	čelik prema DIN-u 17200 [steel acc to DIN 17200]
matica [nut]:	čelik prema DIN-u 17100 vruće pocinčano [steel acc to DIN 17100 hot dip galvanized]



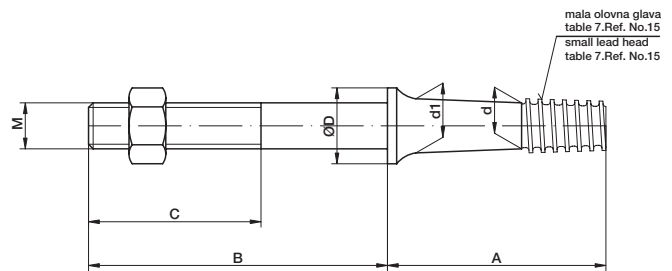
kat. br. [cat. no]	vrsta potpornog izolatora [pin- type insulator]	dimenzije [dimensions] [mm]						dopuštena sila [kN] [admissible load]		masa [mass] [kg]
		A	B	C	ØD	Ød	Ød1	M	kN	
78.05.51	St-A80	205	105	65	45	28	28	24	10,9	1,45
78.06.51	St-A80	205	105	65	45	30	30	24	10,9	1,50
78.07.51	St-A80	320	125	65	60	35	35	24	10,9	2,80
78.25.89	St-A110,120,140	305	140	75	64	27	41	22	10,9	3,00
78.25.90	St-A110,120,140	380	50	45	64	27	41	22	10,9	3,30
78.25.91	St-A110,120,140	305	50	45	64	27	41	22	10,9	2,70
78.34.51	St-A110,120,140	165	50	44	38	24	25	20	5,50	0,90
78.34.52	St-A110,120,140	165	130	75	38	24	25	20	5,50	1,10
78.34.53	St-A110,120,140	230	50	45	51	25	38	22	10,9	1,80
78.34.54	St-A110,120,140	230	130	75	51	25	38	22	10,9	1,95
78.34.55	St-A110,120,140	165	50	45	44	24	32	20	10,9	1,15
78.34.56	St-A110,120,140	165	130	75	44	24	32	20	10,9	1,25
78.34.57	St-A110,120,140	230	50	45	41	24	29	22	5,50	1,40
78.34.58	St-A110,120,140	230	130	75	41	24	29	22	5,50	1,60
78.34.59	St-A110,120,140	305	50	45	44	24	32	22	5,50	2,30
78.34.60	St-A110,120,140	305	130	75	44	24	32	22	5,50	2,50
78.34.61	St-A110,120,140	230	60	55	51	25	38	22	10,9	1,90
78.34.62	St-A110,120,140	230	150	100	51	25	38	24	10,9	2,15
78.34.63	St-A110,120,140	230	140	135	51	25	38	22	10,9	2,10
78.34.65	St-A110,120,140	230	130	75	51	25	38	27	10,9	2,25
78.35.51	St-A110,120,140	305	130	75	64	27	41	22	10,9	2,80
78.35.52	St-A110,120,140	305	150	100	64	27	41	20	10,9	2,80
78.35.53	St-A110,120,140	305	50	45	64	27	41	22	10,9	2,60
78.35.54	St-A110,120,140	305	150	75	55	27	41	22	10,9	2,80
78.35.91	St-A110,120,140	305	140	75	75	27	45	30	10,9	3,10
78.36.51	St-A110,120,140	305	130	75	64	27	41	22	10,9	2,80
78.36.61	St-A110,120,140	140	150	75	60	31	40	30	10,9	1,85
78.36.62	St-A110,120,140	140	140	75	75	33	45	30	10,9	2,90
78.37.61	St-A110,120,140	320	145	75	75	40	53	36	22,0	5,40

ravni nosači izolatora prema bs-u 137

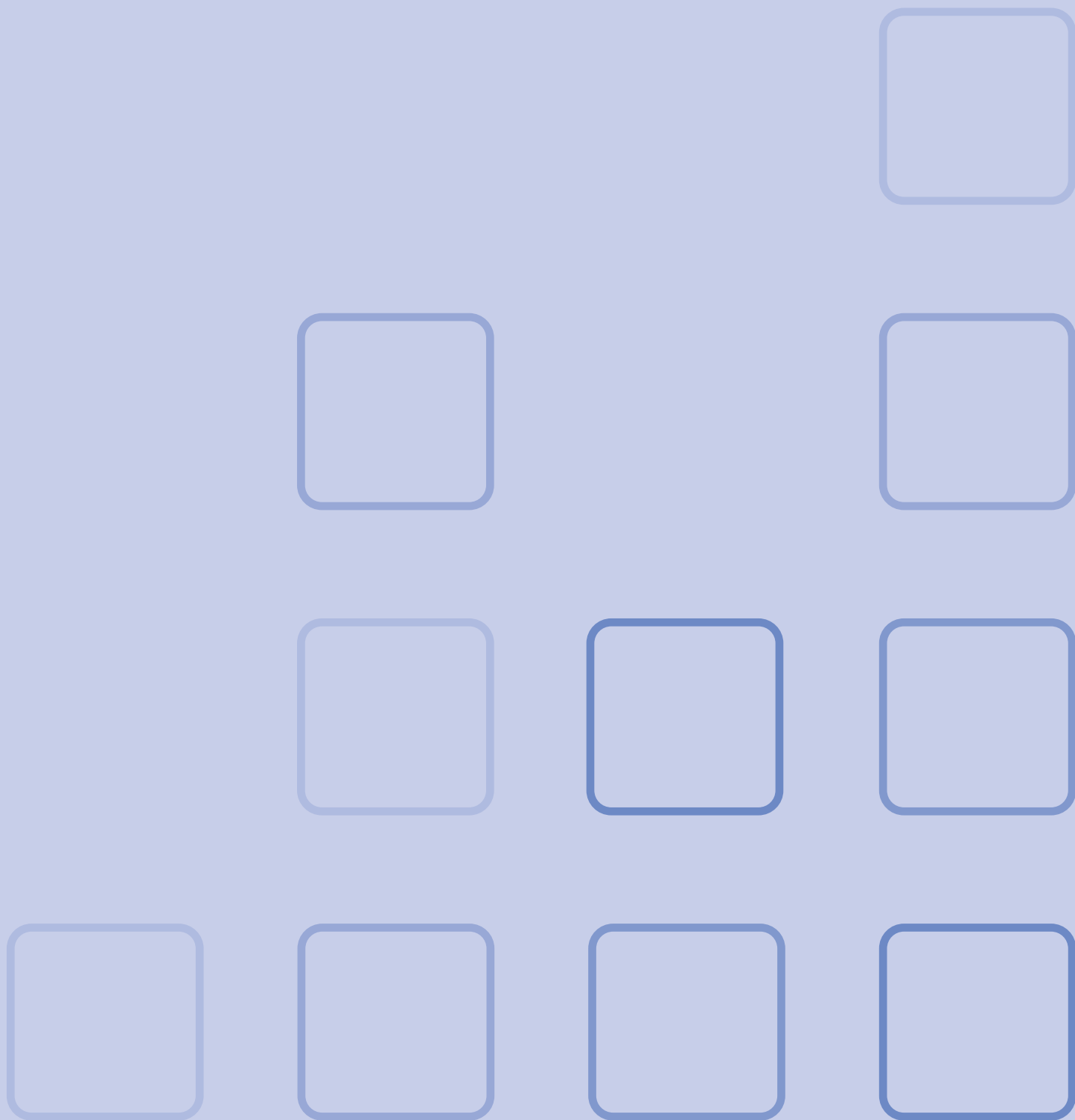
straight pins acc. to bs 137

materijal [material]:

nosač [pin]:	čelik prema DIN-u 17200, vruće pocinčan [steel acc to DIN 17200, hot dip galvanized]
matica [nut]:	čelik prema DIN-u 17100 vruće pocinčano [steel acc to DIN 17100 hot dip galvanized]



kat. br. [cat. no]	vrsta potpornog izolatora [pin- type insulator]	dimenzije [dimensions] [mm]						dopuštena sila [kN] [admissible load]		masa [mass] [kg]
		A	B	C	ØD	Ød	Ød1	M	kN	
78.04.01	St-A80	170	105	65	40	24	24	20	5,50	1,00
78.24.01	St-A80	150	50	45	41	20	20	20	5,50	1,00
78.34.01	St-A80	114	127	75	33	24	25	20	5,50	0,70
78.34.02	St-A80	114	127	75	41	24	29	20	10,9	0,80
78.34.03	St-A80	114	50	45	33	24	25	20	5,50	0,55
78.34.04	St-A80	114	50	45	41	24	29	20	10,9	0,65
78.34.05	St-A80	165	130	75	38	24	25	20	5,50	1,05
78.34.06	St-A80	165	50	45	38	24	25	20	5,50	0,85
78.34.07	St-A80	165	130	75	44	24	32	20	10,9	1,30
78.34.08	St-A80	165	50	45	44	24	32	20	10,9	1,05
78.34.09	St-A110,120,140	230	127	75	41	24	29	20	10,9	1,10
78.34.10	St-A110,120,140	230	50	45	41	24	29	20	10,9	0,95
78.34.11	St-A110,120,140	230	127	75	51	24	38	20	10,9	1,90
78.34.12	St-A110,120,140	230	51	45	51	24	38	20	10,9	1,75
78.34.13	St-A110,120,140	165	150	100	41	24	25	20	5,50	1,35
78.34.14	St-A110,120,140	230	150	100	41	24	29	24	5,50	2,15
43.78.05	St-A80	230	150	75	51	24	38	22	10,9	2,05
43.78.07	St-A80	165	150	100	33	24	20	20	5,50	0,70
43.78.25	St-A80	178	45	40	45	24	32	20	5,50	0,95
43.78.26	St-A80	178	45	40	38	24	24	20	5,50	0,85



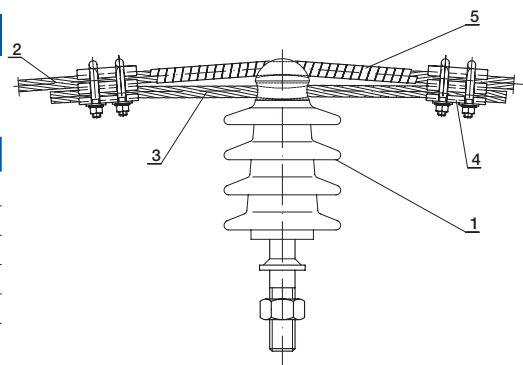
preformirani vezovi za potporne izolatore
[preformed ties for post insulators]

8

središnje pričvrščenje vodiča na potporni izolator

top and middle attached conductor on post insulator

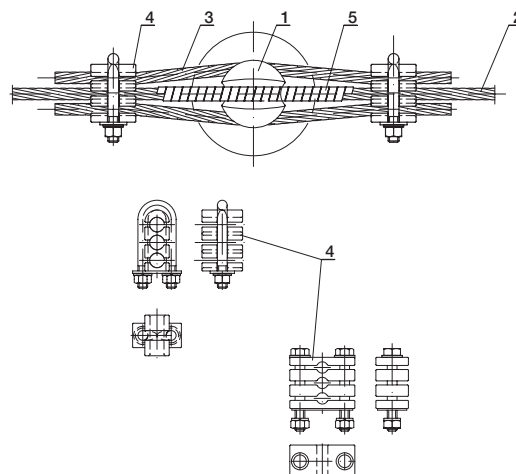
poz. [item]	kom. [pcs]	opis [description]
1	1	potporni izolator [post insulator]
2	1	vodič [conductor]
3	1	dodatno uže [additional wire]
4	2	strujna stezaljka [parallel groove clamp]
5	1	zaštitna aluminijaska traka [protection aluminium band]



središnje pričvrščenje vodiča na potporni izolator

top and middle attached conductor on post insulator

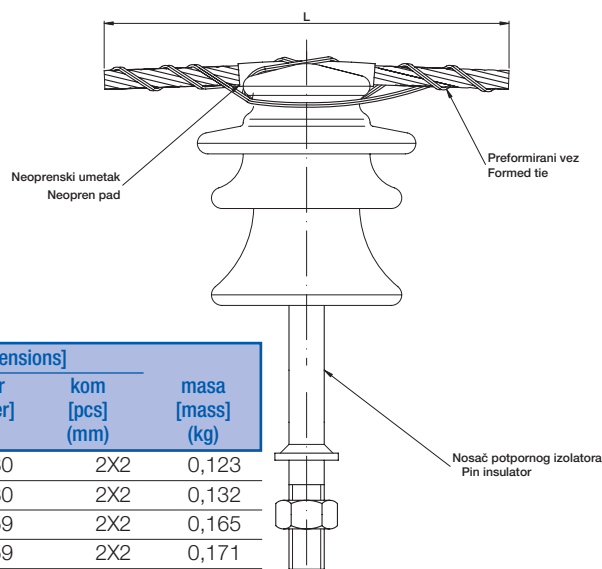
poz. [item]	kom. [pcs]	opis [description]
1	1	potporni izolator [post insulator]
2	1	vodič [conductor]
3	1	dodatno uže [additional wire]
4	2	strujna stezaljka [parallel groove clamp]
5	1	zaštitna aluminijaska traka [protection aluminium band]



dvostruki središnji preformirani vez za pričvrščenje vodiča na potporni izolator

double distribution formed tie for middle attached conductor on the post insulator

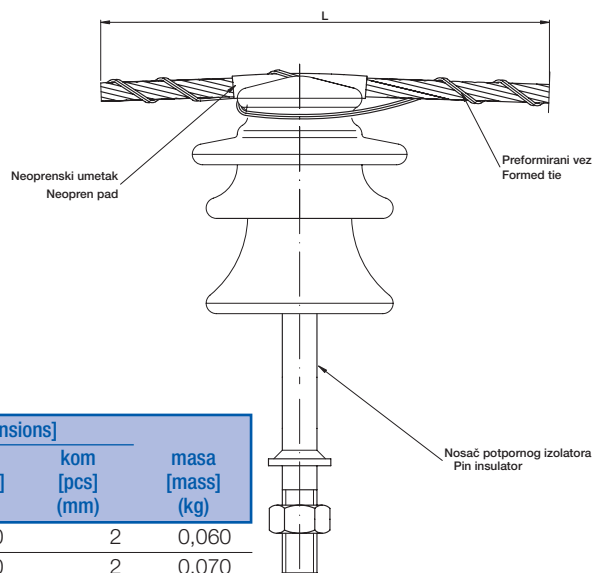
kat. br. [cat. no]	vodič [conductor]		tip izolatora [type insulator]	dimenzije [dimensions]			masa [mass] [kg]
	presjek [crosssection] [mm]	promjer [diameter] [mm]		dužina [length] [mm]	promjer [diameter] [mm]	kom [pcs] [mm]	
62.06.80V1	25/4	6,80	VHD10/15	800	2,30	2X2	0,123
62.06.80V2			VHD20/25	840	2,30	2X2	0,132
62.08.10V1	35/6	8,10	VHD10/15	840	2,59	2X2	0,165
62.08.10V2			VHD20/25	880	2,59	2X2	0,171
62.09.60V1	50/8	9,60	VHD10/15	840	2,59	2X2	0,170
62.09.60V2			VHD20/25	880	2,59	2X2	0,175
62.11.60V1	70/12	11,60	VHD10/15	850	2,91	2X2	0,210
62.11.60V2			VHD20/25	890	2,91	2X2	0,220
62.13.40V1	95/15	13,40	VHD10/15	880	3,26	2X2	0,270
62.13.40V2			VHD20/25	920	3,26	2X2	0,280
62.13.70V1	120/21	15,70	VHD10/15	920	3,26	2X2	0,285
62.13.70V2			VHD20/25	960	3,26	2X2	0,290



materijal [material]: alumoweld čelična užad [alumoweld wire – AW]

preformirani vez sa strane za pričvršćenje vodiča na potpornom izolatoru za Al i ACSR vodiče

groove formed side tie for attached conductor on the post insulator for Al and ACSR conductors

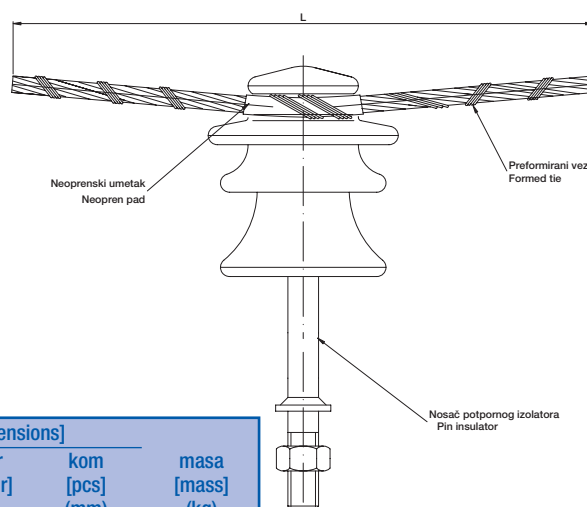


kat. br. [cat. no]	vodič [conductor]		tip izolatora [type insulator]	dimenzije [dimensions]			masa [mass] (kg)
	presjek [crossection] (mm)	promjer [diameter] (mm)		dužina [length] (mm)	promjer [diameter] (mm)	kom [pcs] (mm)	
62.06.80V3	25/4	6,80	VHD10/15	800	2,30	2	0,060
62.06.80V4			VHD20/25	840	2,30	2	0,070
62.08.10V3	35/6	8,10	VHD10/15	840	2,59	2	0,080
62.08.10V4			VHD20/25	880	2,59	2	0,086
62.09.60V3	50/8	9,60	VHD10/15	840	2,59	2	0,085
62.09.60V4			VHD20/25	880	2,59	2	0,090
62.11.60V3	70/12	11,60	VHD10/15	850	2,91	2	0,105
62.11.60V4			VHD20/25	890	2,91	2	0,110
62.13.40V3	95/15	13,40	VHD10/15	880	3,26	2	0,135
62.13.40V4			VHD20/25	920	3,26	2	0,140
62.13.70V3	120/21	15,70	VHD10/15	920	3,26	2	0,143
62.13.70V4			VHD20/25	960	3,26	2	0,145

materijal [material]: alumoweld čelična užad [alumoweld wire – AW]

preformirani vez sa strane za pričvršćenje vodiča na potpornom izolatoru za Al i ACSR vodiče

groove formed side tie for attached conductor on the post insulator for Al and ACSR conductors

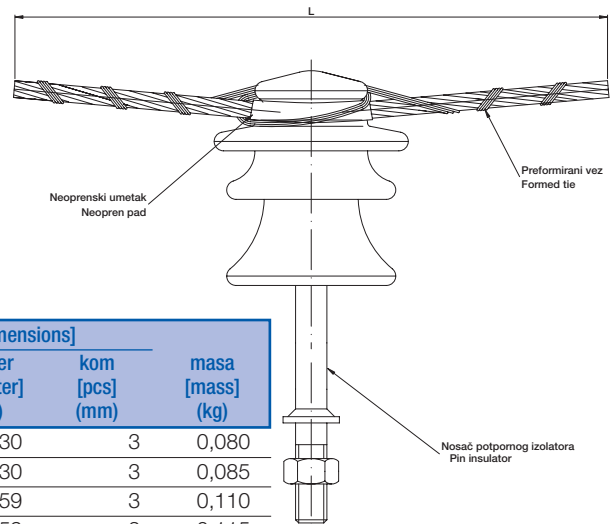


kat. br. [cat. no]	vodič [conductor]		tip izolatora [type insulator]	dimenzije [dimensions]			masa [mass] (kg)
	presjek [crossection] (mm)	promjer [diameter] (mm)		dužina [length] (mm)	promjer [diameter] (mm)	kom [pcs] (mm)	
62.06.80V5	25/4	6,80	VHD10/15	720	2,30	3	0,080
62.06.80V6			VHD20/25	740	2,30	3	0,085
62.08.10V5	35/6	8,10	VHD10/15	740	2,59	3	0,110
62.08.10V6			VHD20/25	750	2,59	3	0,115
62.09.60V5	50/8	9,60	VHD10/15	740	2,59	4	0,145
62.09.60V6			VHD20/25	760	2,59	4	0,150
62.11.60V5	70/12	11,60	VHD10/15	740	2,91	4	0,184
62.11.60V6			VHD20/25	760	2,91	4	0,186
62.13.40V5	95/15	13,40	VHD10/15	780	3,26	4	0,240
62.13.40V6			VHD20/25	800	3,26	4	0,250
62.13.70V5	120/21	15,70	VHD10/15	780	3,26	4	0,240
62.13.70V6			VHD20/25	800	3,26	4	0,250

materijal [material]: alumoweld čelična užad [alumoweld wire – AW]

kutni preformirani vez sa strane za pričvršćenje vodiča na potpornom izolatoru za Al i ACSR vodiče

angle groove formed side tie for attached conductor on the post insulator for Al and ACSR conductors



kat. br. [cat. no]	vodič [conductor]		tip izolatora [type insulator]	dimenzije [dimensions]			masa [mass] (kg)
	presjek [crossection] (mm)	promjer [diameter] (mm)		dužina [length] (mm)	promjer [diameter] (mm)	kom [pcs] (mm)	
62.06.80V7	25/4	6,80	VHD10/15	720	2,30	3	0,080
62.06.80V8			VHD20/25	740	2,30	3	0,085
62.08.10V7	35/6	8,10	VHD10/15	740	2,59	3	0,110
62.08.10V8			VHD20/25	750	2,59	3	0,115
62.09.60V7	50/8	9,60	VHD10/15	740	2,59	4	0,145
62.09.60V8			VHD20/25	760	2,59	4	0,150
62.11.60V7	70/12	11,60	VHD10/15	740	2,91	4	0,184
62.11.60V8			VHD20/25	760	2,91	4	0,186
62.13.40V7	95/15	13,40	VHD10/15	780	3,26	4	0,240
62.13.40V8			VHD20/25	800	3,26	4	0,250
62.13.70V7	120/21	15,70	VHD10/15	780	3,26	4	0,240
62.13.70V8			VHD20/25	800	3,26	4	0,250

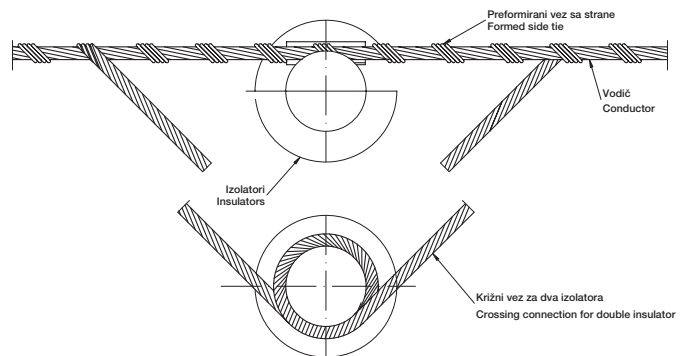
materijal [material]: alumoweld čelična užad [alumoweld wire – AW]

vezovi u polju križanja

ties of crossing field

preformirani vez sa strane

formed side tie



kat. br. [cat. no]	vodič [conductor]		tip izolatora [type insulator]	dimenzije [dimensions]			masa [mass] (kg)
	presjek [crossection] (mm)	promjer [diameter] (mm)		dužina [length] (mm)	promjer [diameter] (mm)	kom [pcs] (mm)	
62.06.80K1	25/4	6,80	VHD10/15	2300	2,59	4	0,156
62.06.80K2			VHD20/25	2300	2,59	4	0,156
62.08.10K1	35/6	8,10	VHD10/15	2350	2,59	4	0,165
62.08.10K2			VHD20/25	2350	2,59	4	0,165
62.09.60K1	50/8	9,60	VHD10/15	2700	2,59	5	0,220
62.09.60K2			VHD20/25	2700	2,59	5	0,220
62.11.60K1	70/12	11,60	VHD10/15	2750	2,91	5	0,225
62.11.60K2			VHD20/25	2750	2,91	5	0,225
62.13.40K1	95/15	13,40	VHD10/15	2800	3,07	5	0,320
62.13.40K2			VHD20/25	2800	3,07	5	0,320

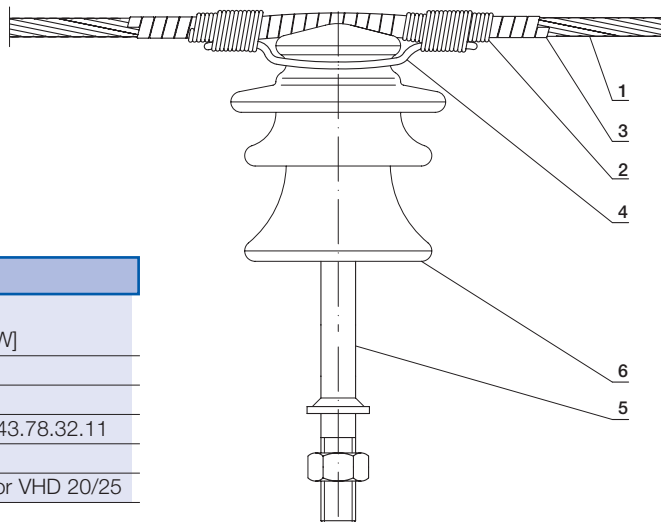
materijal [material]: alumoweld čelična užad [alumoweld wire – AW]

središnji vez s Al-žicom i obujmicom za pričvršćenje vodiča na potporni izolator

top tie with Al-wire and clips for attached conductor at the post insulator

poz.[item]	kom [pcs.]	opis [description]
1		vodič Al-Fe, Al, Al legura, alumoweld [conductor ACSR, Al, Al alloy, alumoweld- AW]
2	1	Al žica Ø 2,8 mm Al [Al wire]
3	1	Al traka 10x1 mm Al [Al band]
4	2	Al obujmica [[Al clip]] Ø7/Ø7,9/Ø10 mm Al 43.78.32.11
5	1	nosač potpornog izolatora [pin insulator]
6	1	potporni izolator [post insulator] VHD 10/15 or VHD 20/25

materijal [material]: alumoweld čelična užad [alumoweld wire – AW]

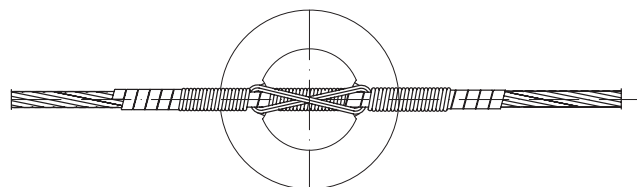
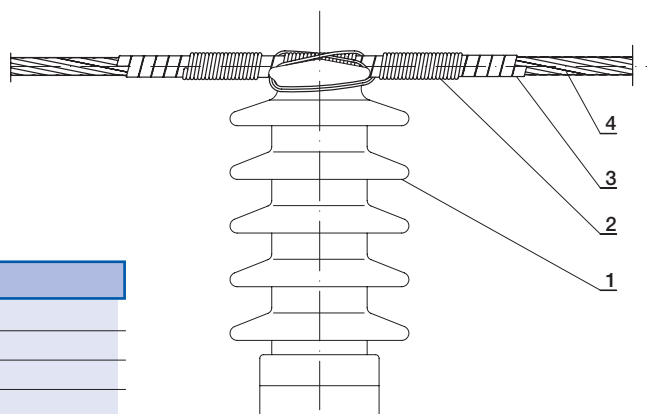


središnji vez s Al-žicom za pričvršćenje vodiča na vn potporni izolator

top tie with Al-wire for attached conductor at the vn post insulator

poz.[item]	kom [pcs.]	opis [description]
1	1	VN potporni izolator [VN post insulator]
2	1	Al žica[Al wire] Ø 2,8 mm Al
3	1	Al traka [Al band] 10x1 mm Al
4	1	vodič Al-Fe, Al, Al legura, alumoweld [conductor ACSR, Al, Al alloy, alumoweld- AW]

materijal [material]: alumoweld čelična užad [alumoweld wire – AW]

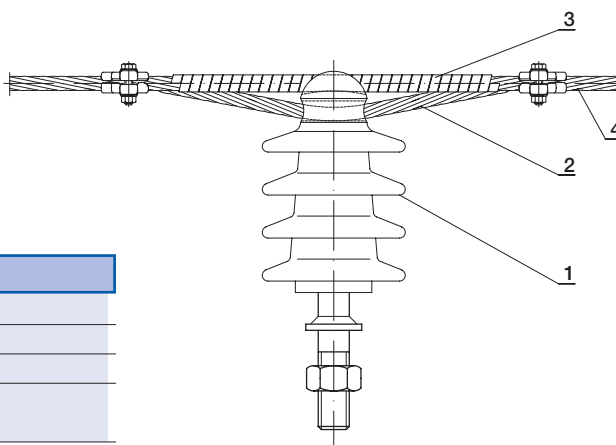


središnje pričvršćenje na potporni izolator

tor and middle attached conductor on the post insulator

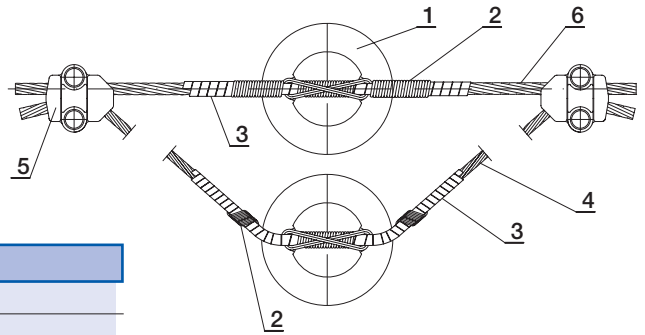
poz.[item]	kom [pcs.]	opis [description]
1	1	potporni izolator [post insulator]
2	1	pomoćno uže [additional cable]
3	1	Al traka [Al band] 10x1 mm Al
4	1	vodič Al-Fe, Al, Al legura, alumoweld [conductor ACSR, Al, Al alloy, alumoweld- AW]

materijal [material]: alumoweld čelična užad [alumoweld wire – AW]



pričvrščenje s pomočnim užetom i središnjim vezom za vodič na dva potporna izolator

fixing with additional cable and top tie for conductor at the two post insulator

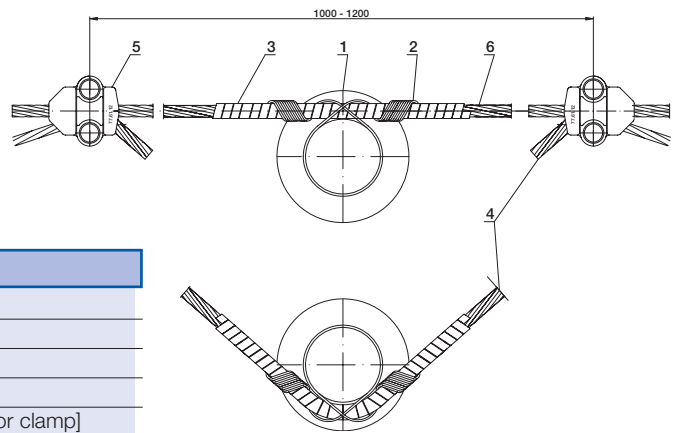


poz.[item]	kom [pcs.]	opis [description]
1	2	potporni izolator [post insulator]
2	2	Al žica [Al wire] Ø 2,8 mm Al
3	2	Al traka [Al band] 10x1 mm Al
4	1	pomočno uže [additional cable]
5	2	završna strujna stezaljka [dead-end connector clamp]
6	1	vodič Al-Fe, Al, Al legura, alumoweld [conductor ACSR, Al, Al alloy, alumoweld- AW]

materijal [material]: alumoweld čelična užad [alumoweld wire – AW]

pričvrščenje pomočnim užetom za vodič, te križnim vezom i Al žicom za potporni izolator

fixing with additional cable, cross tie and Al wire for conductor and post insulator



poz.[item]	kom [pcs.]	opis [description]
1	2	potporni izolator [post insulator]
2	2	Al žica [Al wire] Ø 2,8 mm Al
3	2	Al traka [Al band] 10x1 mm Al
4	1	pomočno uže [additional cable]
5	2	završna strujna stezaljka [dead-end connector clamp]
6	1	vodič Al-Fe, Al, Al legura, alumoweld [conductor ACSR, Al, Al alloy, alumoweld- AW]

materijal [material]: alumoweld čelična užad [alumoweld wire – AW]

1

1a

2

2a

3

3a

4

5

5a

6

6a

6b

7

8

9

10

11

12

središnji zaštitni vez sa preformiranim prutevima i Al-žicom za pričvršćenje na potporni izolator

top preformed line guards with Al-wire for attached conductor at the post insulator

poz.[item]	kom [pcs.]	opis [description]
1	1	vodič Al-Fe, Al, Al legura [conductor ACSR, Al, Al alloy]
2	1	preformirani prut [preformed rod]
3	1	Al žica Ø2,8 mm [Al wire]
4	1	potporni izolator [post insulator]

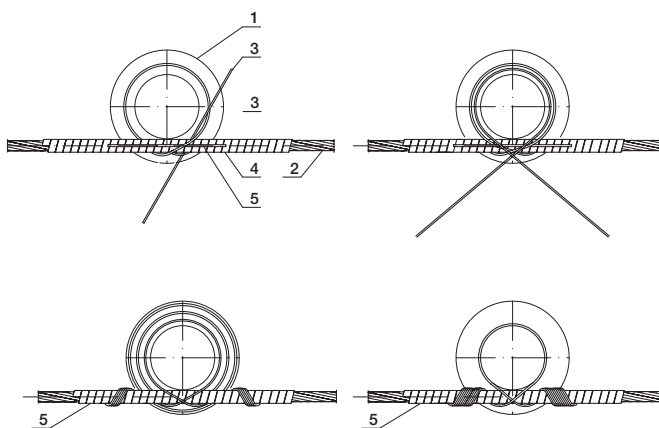
PREFORMIRANI PRUT za Al-Fe, Al, Al-legurne vodiče / materijal: Al-legura
 PREFORMED ROD for ACSR, Al, Al-alloy / material wire: Al-alloy

kat. br. [cat. no]	vodič [conductor]		za vodiče Ø		dimenzije pruta [dimensions rods]			masa [mass] (kg)
	presjek [crosssection] (mm)	promjer [diameter] (mm)	cond. dia. range min. max. (mm) (mm)		dužina [length] (mm)	promjer [diameter] (mm)	kom [pcs] (mm)	
62.06.80.P1	25/4	Ø6,80	6,60 - 6,95		480	2,95	9	0,089
62.06.96.P1			6,96 - 7,36		530	2,95	9	0,099
62.07.37.P1			7,37 - 7,84		530	2,95	9	0,10
62.07.85.P1	35/6	Ø8,10	7,85 - 8,30		530	2,95	10	0,10
62.08.31.P1			8,31 - 8,80		530	2,95	10	0,10
62.08.81.P1			8,81 - 9,50		580	2,95	11	0,125
62.09.51.P1	50/8	Ø9,60	9,51 - 9,90		580	2,95	11	0,129
62.09.91.P1			9,91 - 10,50		630	2,95	12	0,145
62.10.51.P1			10,51 - 11,10		630	2,95	12	0,15
62.11.11.P1	70/12	Ø11,60	11,11 - 11,80		680	3,25	12	0,20
62.11.81.P1			11,81 - 12,50		680	3,25	12	0,20
62.12.51.P1			12,51 - 13,25		730	3,25	13	0,23
62.13.26.P1	95/15	Ø13,40	13,26 - 14,00		730	3,25	14	0,25
62.14.01.P1			14,01 - 14,90		780	3,25	14	0,26
62.14.91.P1			14,91 - 15,40		780	3,66	14	0,325
62.15.41.P1	120/21	Ø15,70	15,41 - 16,00		830	3,66	14	0,36
62.16.01.P1			16,01 - 16,60		830	3,66	14	0,36

vezovi za spajanje vodiča i potpornih izolatora 20 kV prema preporuci granskih normi hep-a

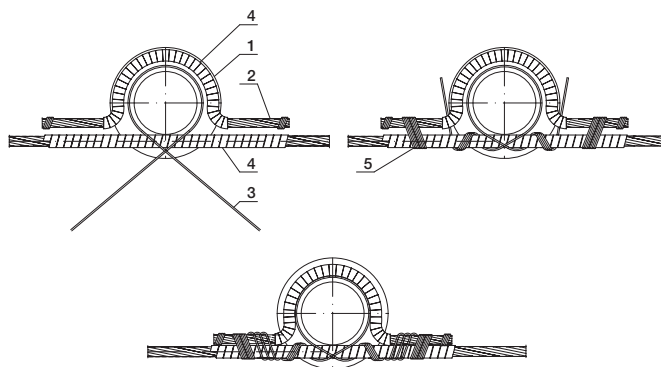
ties for fixing conductor and post insulators 20 kV according recommendation of utility hep

poz.[item]	opis [description]
1	potporni izolator za napone do 20 kv [post insulator for 20 kv voltage]
2	ALČe uže [ACSR, Al, Al alloy conductor]
3	vezna žica Al Ø2,8 mm [fixing wire aluminium Ø2,8 mm]
4	aluminijaska traka Al 10/1 mm [aluminium band Al 10/1 mm]
5	dodatna Al žica [additional aluminium wire]



ohm-ski vez pojačan križnim vezom prema preporuci granskih normi hep-a

ohm tie reinforced with cross tie according recommendation of utility hep

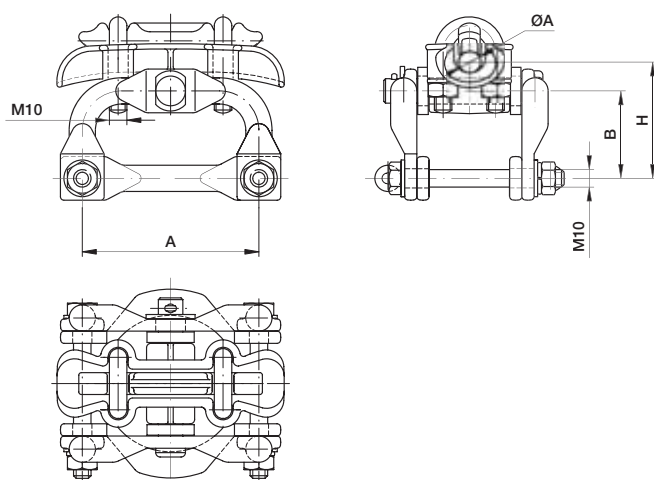


poz.[item]	opis [description]
1	potporni izolator za napone do 20 kv [post insulator for 20 kv voltage]
2	ALČe uže [ACSR, Al, Al alloy conductor]
3	vezna žica Al Ø2,8 mm [fixing wire aluminium Ø2,8 mm]
4	alumijska traka Al 10/1 mm [aluminium band Al 10/1 mm]
5	dodatna vezna Al žica [additional fixing aluminium wire]

materijal [material]: alumoweld čelična užad [alumoweld wire - AW]

okretna stezaljka s nosačem za potporni izolator tipa ET prema IEC 720, DIN-u 48004

turn-suspension clamp with support for post insulator type ET acc. IEC 720, DIN 48004



kat. br. [cat. no]	vrsta izolatora type of insulator	promjer uže diameter of wire (mm)	presjek užeta (mm²) crosssection of wire		dimenzije (mm) [dimensions]			masa [mass] (kg)
			Al	ACSR	A	B	H	
43.82.125C	St 10/15	ø7-ø16	35-120	35/6	101	50	70	0.47
	VHD 10/15			95/15				
43.82.125A	St 20	ø7-ø16	35-120	35/6	110	50	70	0.52
	VHD 20			95/15				
43.82.125B	St 25	ø7-ø16	35-120	35/6	120	50	70	0.55
	VHD 25			95/15				
43.82.125D	St 30	ø7-ø16	35-120	35/6	130	60	80	0.60
	VHD 30			95/15				

materijal [material]:

nosač, tijelo stezaljke i držač [support, body clamp and grip]: Al. legure prema DIN-u 1725 [Al alloy acc. DIN 1725]

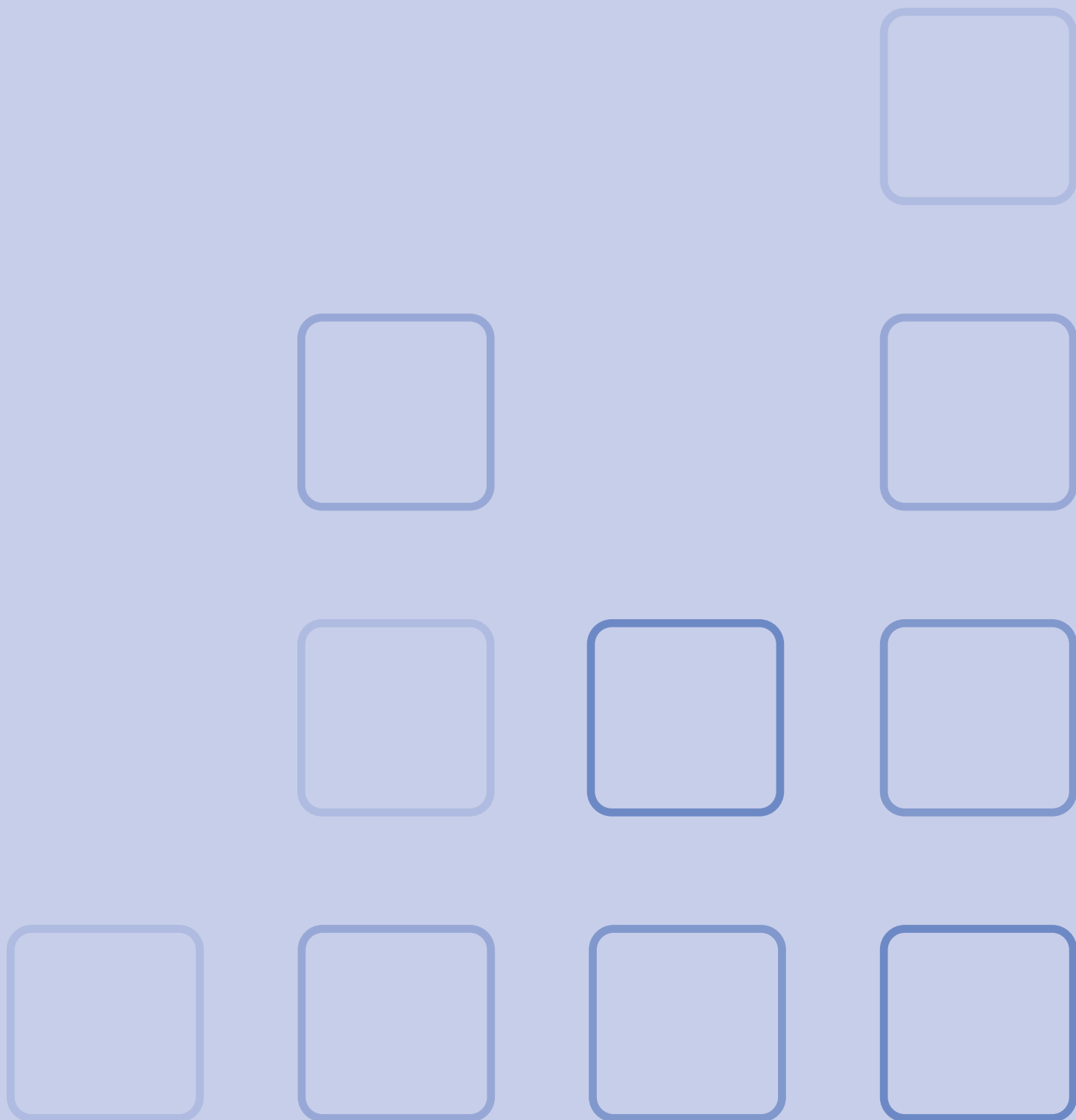
vijak [bolt] M8 i M10 prema [acc.] DIN-u 479

matice [nut]: čelik prema [steel acc.] DIN-u 17100

podloške [washer]: čelik prema [steel acc.] DIN-u 17100

vrúće pocinčano prema [hot deep galvanised acc.] DIN 50976

rascjepka [split pin]: nehrđ. čelik prema [stainless steel acc.] DIN-u 48063



**izolatorski lanci 10, 20 i 35 kV za drvene, betonske i
čelično-rešetkaste stupove s dijelovima ovjesne opreme**

[insulator strings 11, 22 and 35 kV for wooden poles,
concrete poles and steel-lattice masts with suspension
equipment components]

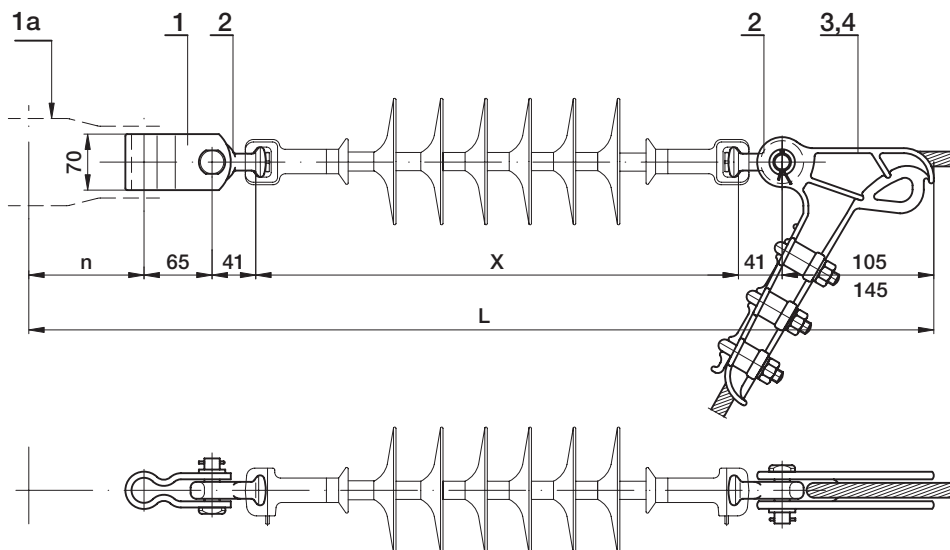
9

jednostruki zatezni lanac s kompozitnim izolatorom - na betonskim stupovima i betonskim konzolama

single tension string with composite insulator
- on the concrete poles and concrete crossarms

za Al, Al – legura i Al – Fe vodiče
minimalna prekidna sila (bez zatezne stezaljke)
45 kN, zglobna veza IEC 120/11

for AAC, AAAC and ACSR
minimum breaking strength (without tension clamp)
45 kN, standard coupling IEC 120/11



oprema za zavješanja izolatorskih lanaca

attachments with double extension link for insulator strings

poz. [item]	dimenzije nosača (mm) [dimensions]	kat. br. [cat. no]	masa (kg) [mass]	namjena [purpose]
1a.		43.26.202B	1.55	Øgama konzola -lanci na kraju Ødelta mala konzola -lanci u sredini u simet. stupa Ødelta velika konzola -lanci na kraju
1a.		43.26.202C	1.65	Øgama konzola -lanci u sredini u simet. stupa
1a.		43.26.202D	1.75	Øgama konzola -lanci u sredini uz stup
1a.		43.26.202D1	2,28	Øgama konzola -lanci u sredini uz stup
1a.		43.26.202B1	2.16	Øgama konzola -lanci na kraju Ødelta velika konzola -lanci na kraju

sastav izolatorskog lanca

specification of insulator set

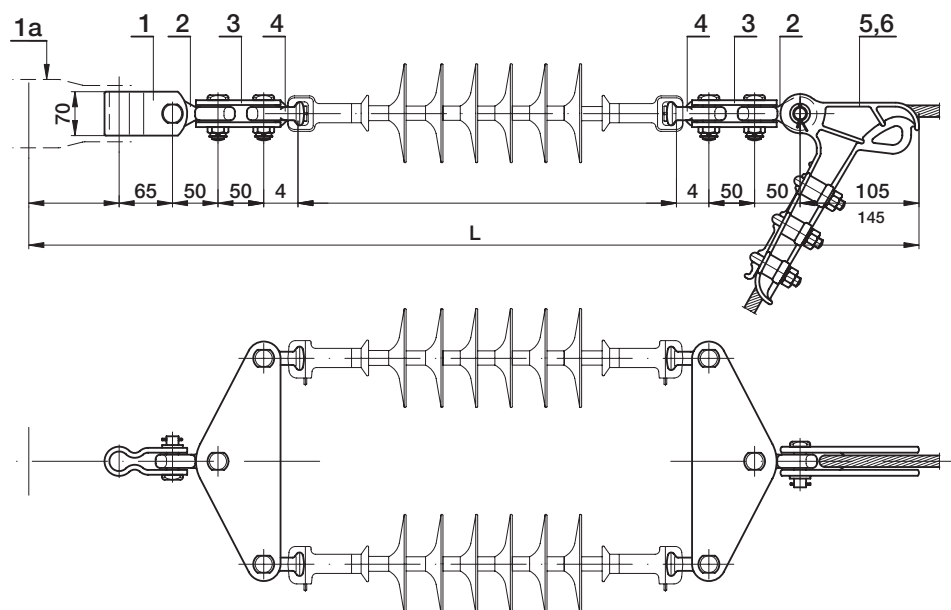
poz. [item]	kat. br. [item]	kom. [pcs.]	masa (kg) [mass]
1.	69.70.65B	1	1.00
2.	21.12.30	2	0.15
3.	16.12.10	1	0.75
4.	16.15.10B	1	1.40

jednostruki zatezni lanac s kompozitnim izolatorom - na betonskim stupovima i betonskim konzolama

single tension string with composite insulator
- on the concrete poles and concrete crossarms

za Al, Al – legura i Al -Fe vodiče
minimalna prekidna sila (bez zatezne stezaljke)
90 kN, zglobna veza IEC 120/11

for AAC, AAAC and ACSR
minimum breaking strength (without tension clamp)
90 kN, standard coupling IEC 120/11



oprema za zavješanja izolatorskih lanaca

attachments with double extension link for insulator strings

poz. [item]	dimenzije nosača (mm) [dimensions]	kat. br. [cat. no]	masa (kg) [mass]	namjena [purpose]
1a.		43.26.202B	1.55	Øgama konzola -lanci na kraju Ødelta mala konzola -lanci u sredini u simet. stup Ødelta velika konzola -lanci na kraju
1a.		43.26.202C	1.65	Øgama konzola -lanci u sredini u simet. stupa
1a.		43.26.202D	1.75	Øgama konzola -lanci u sredini uz stup
1a.		43.26.202D1	2,28	Øgama konzola -lanci u sredini uz stup
1a.		43.26.202B1	2.16	Øgama konzola -lanci na kraju Ødelta velika konzola -lanci na kraju

sastav izolatorskog lanca

specification of insulator set

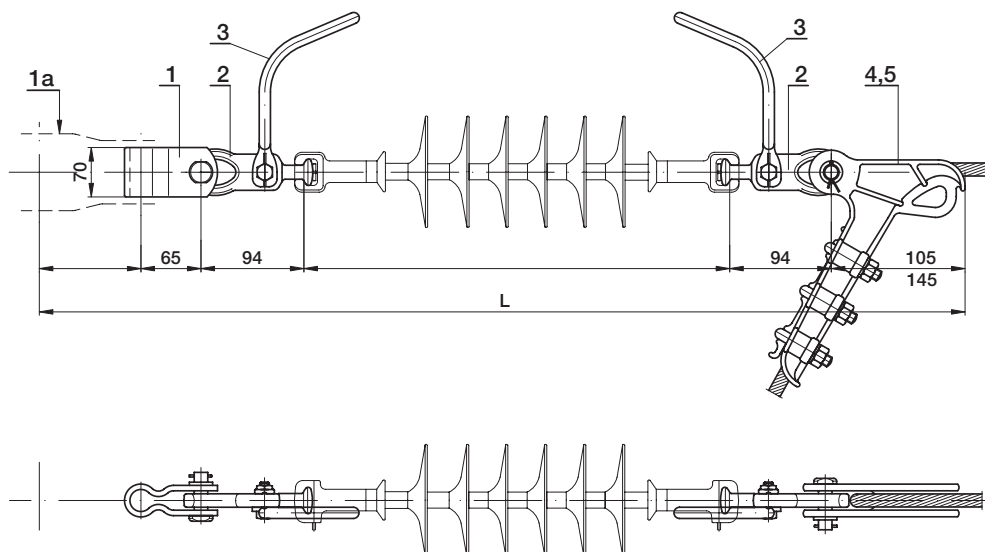
poz. [item]	kat. br. [item]	kom. [pcs.]	masa (kg) [mass]
1.	69.70.65B	1	1.00
2.	22.01.10	2	0.30
3.	29.50.280	2	1.70
4.	21.12.30	4	0.15
5.	16.12.10	1	0.75
6.	16.15.10B	1	1.40

jednostruki zatezni lanac s kompozitnim izolatorom - na betonskim stupovima i betonskim konzolama

single tension string with composite insulator
- on the concrete poles and concrete crossarms

za Al, Al – legura i Al – Fe vodiče
minimalna prekidna sila (bez zatezne stezaljke)
45 kN, zglobna veza IEC 120/11

for AAC, AAAC and ACSR
minimum breaking strength (without tension clamp)
45 kN, standard coupling IEC 120/11



oprema za zavješanja izolatorskih lanaca

attachments with double extension link for insulator strings

poz. [item]	dimenzije nosača (mm) [dimensions]	kat. br. [cat. no]	masa (kg) [mass]	namjena [purpose]
1a.		43.26.202B	1.55	Øgama konzola -lanci na kraju Ødelta mala konzola -lanci u sredini u simet. stupa Ødelta velika konzola -lanci na kraju
1a.		43.26.202C	1.65	Øgama konzola -lanci u sredini u simet. stupa
1a.		43.26.202D	1.75	Øgama konzola -lanci u sredini uz stup
1a.		43.26.202D1	2,28	Øgama konzola -lanci u sredini uz stup
1a.		43.26.202B1	2.16	Øgama konzola -lanci na kraju Ødelta velika konzola -lanci na kraju

sastav izolatorskog lanca

specification of insulator set

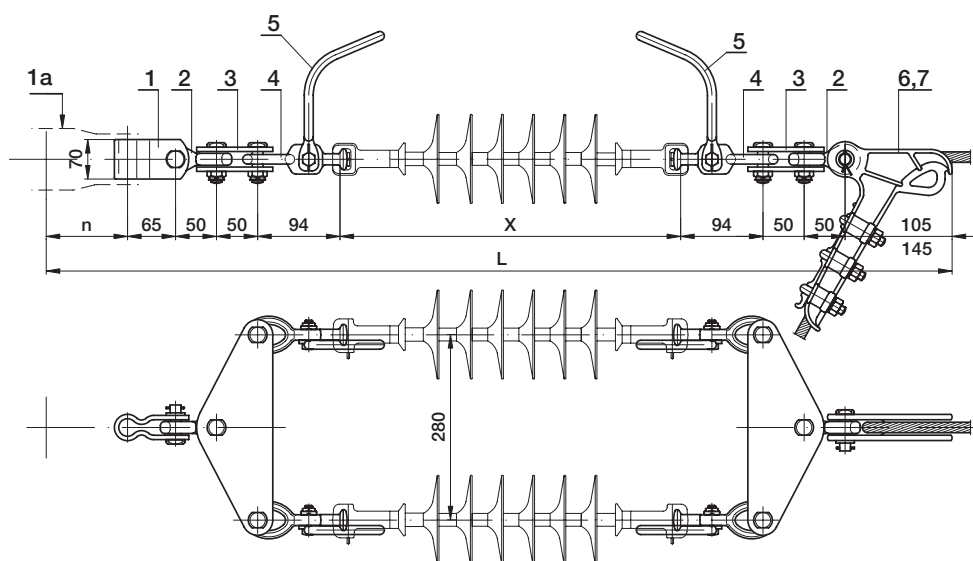
poz. [item]	kat. br. [item]	kom. [pcs.]	masa (kg) [mass]
1.	69.70.65B	1	1.00
2.	21.12.40	2	0.30
3.	41.11.19	2	0.25
4.	16.12.10	1	0.75
5.	16.15.10B	1	1.40
6.	16.15.10B	1	1.40

dvostruki zatezni lanac s kompozitnim izolatorom - na betonskim stupovima i betonskim konzolama

double tension string with composite insulator
- on the concrete poles and concrete crossarms

za Al, Al – legura i Al -Fe vodiče
minimalna prekidna sila (bez zatezne stezaljke)
90 kN, zglobna veza IEC 120/11

for AAC, AAAC and ACSR
minimum breaking strength (without tension clamp)
90 kN, standard coupling IEC 120/11



oprema za zavješanja izolatorskih lanaca

attachments with double extension link for insulator strings

poz. [item]	dimenzije nosača (mm) [dimensions]	kat. br. [cat. no]	masa (kg) [mass]	namjena [purpose]
1a.		43.26.202B	1.55	Øgama konzola -lanci na kraju Ødelta mala konzola -lanci u sredini u simet. stupa Ødelta velika konzola -lanci na kraju
1a.		43.26.202C	1.65	Øgama konzola -lanci u sredini u simet. stupa
1a.		43.26.202D	1.75	Øgama konzola -lanci u sredini uz stup
1a.		43.26.202D1	2,28	Øgama konzola -lanci u sredini uz stup
1a.		43.26.202B1	2.16	Øgama konzola -lanci na kraju Ødelta velika konzola -lanci na kraju

sastav izolatorskog lanca

specification of insulator set

poz. [item]	kat. br. [item]	kom. [pcs.]	masa (kg) [mass]
1.	69.70.65B	1	1.00
2.	22.01.10	2	0.30
3.	29.50.280	2	1.70
4.	21.12.50	4	0.30
5.	41.11.19	4	0.25
6.	16.12.10	1	0.75
7.	16.15.10B	1	1.40

jednostruki zatezni lanac s kompozitnim izolatorom - na betonskim stupovima i čeličnim konzolama tipa "GAMA"

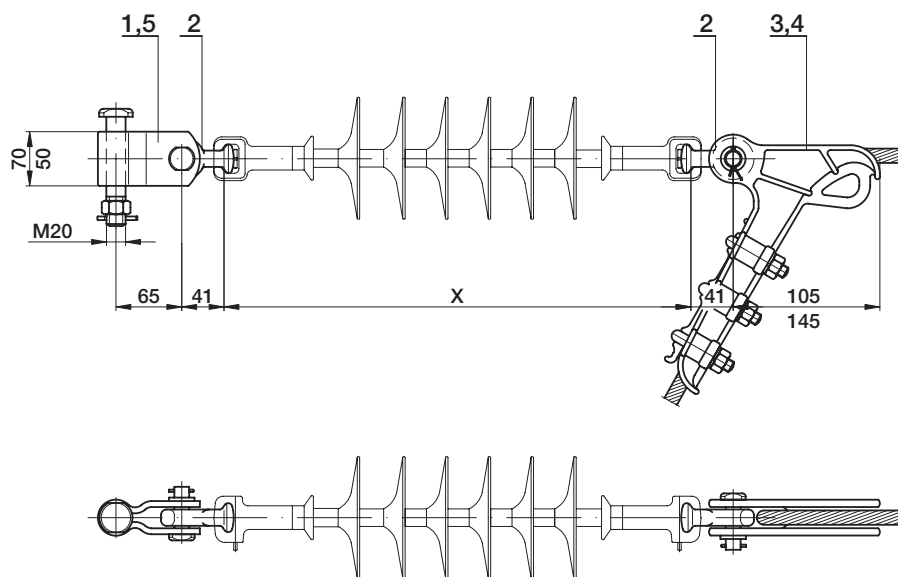
single tension string with composite insulator
- on the concrete poles and steel crossarms type "GAMA"

za Al, Al – legura i Al -Fe vodiče
minimalna prekidna sila (bez zatezne stezaljke)
45 kN, zglobova veza IEC 120/11

for AAC, AAAC and ACSR
minimum breaking strength (without tension clamp)
45 kN, standard coupling IEC 120/11

sastav izolatorskog lanca
specification of insulator set

poz. [item]	kat. br. [item]	kom. [pcs.]	masa (kg) [mass]
1.	69.70.65C	1	1.20
2.	21.12.30	2	0.15
3.	16.12.10	1	0.75
4.	16.15.10B	1	1.40
5.	69.50.65C	1	0.80



jednostruki zatezni lanac s kompozitnim izolatorom - na betonskim stupovima i čeličnim konzolama tipa "GAMA"

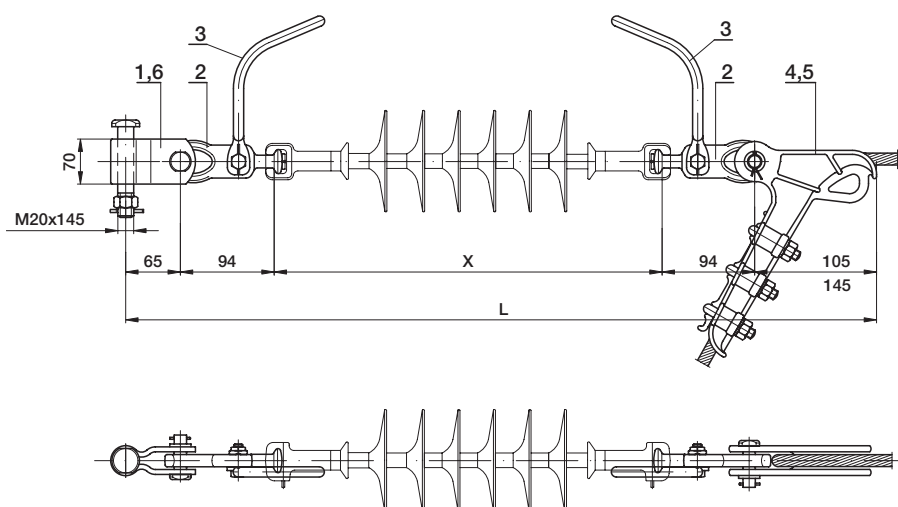
single tension string with composite insulator
- on the concrete poles and steel crossarms type "GAMA"

za Al, Al – legura i Al -Fe vodiče
minimalna prekidna sila (bez zatezne stezaljke)
45 kN, zglobova veza IEC 120/11

for AAC, AAAC and ACSR
minimum breaking strength (without tension clamp)
45 kN, standard coupling IEC 120/11

sastav izolatorskog lanca
specification of insulator set

poz. [item]	kat. br. [item]	kom. [pcs.]	masa (kg) [mass]
1.	69.70.65C	1	1.20
2.	21.12.40	2	0.30
3.	41.11.19	2	0.25
4.	16.12.10	1	0.75
5.	16.15.10B	1	1.40
6.	69.50.65C	1	0.80

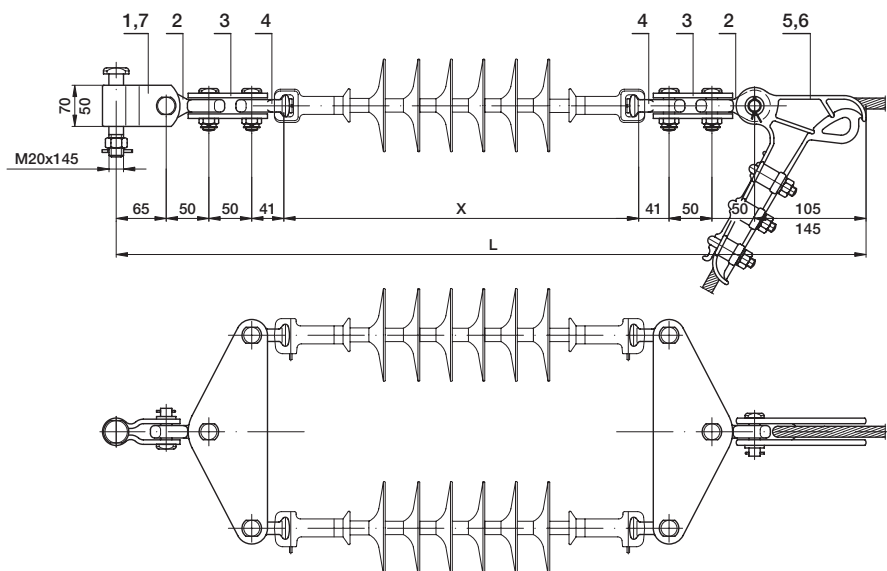


dvostruki zatezni lanac s kompozitnim izolatorom - na betonskim stupovima i čeličnim konzolama tipa "GAMA"

double tension string with composite insulator
- on the concrete poles and steel crossarms type "GAMA"

za Al, Al – legura i Al -Fe vodiče
minimalna prekidna sila (bez zatezne stezaljke)
90 kN, zglobna veza IEC 120/11

for AAC, AAAC and ACSR
minimum breaking strength (without tension clamp)
90 kN, standard coupling IEC 120/11



sastav izolatorskog lanca
specification of insulator set

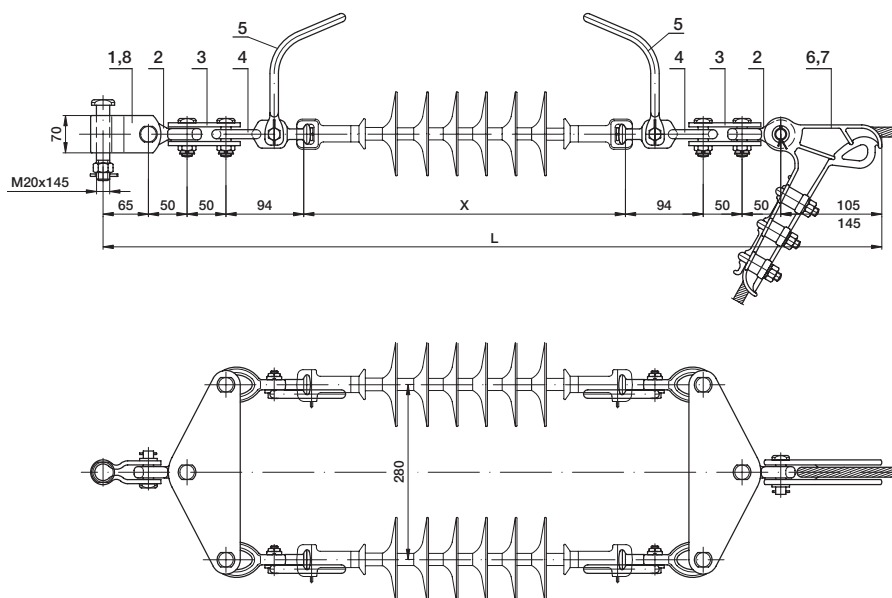
poz. [item]	kat. br. [item]	kom. [pcs.]	masa (kg) [mass]
1.	69.70.65C	1	1.20
2.	22.01.10	2	0.30
3.	29.50.280	2	1.70
4.	21.12.30	4	0.15
5.	16.12.10	1	0.75
6.	16.15.10B	1	1.40
7.	69.50.65C	1	0.80

dvostruki zatezni lanac s kompozitnim izolatorom - na betonskim stupovima i čeličnim konzolama tipa "GAMA"

double tension string with composite insulator
- on the concrete poles and steel crossarms type "GAMA"

za Al, Al – legura i Al -Fe vodiče
minimalna prekidna sila (bez zatezne stezaljke)
90 kN, zglobna veza IEC 120/11

for AAC, AAAC and ACSR
minimum breaking strength (without tension clamp)
90 kN, standard coupling IEC 120/11



sastav izolatorskog lanca
specification of insulator set

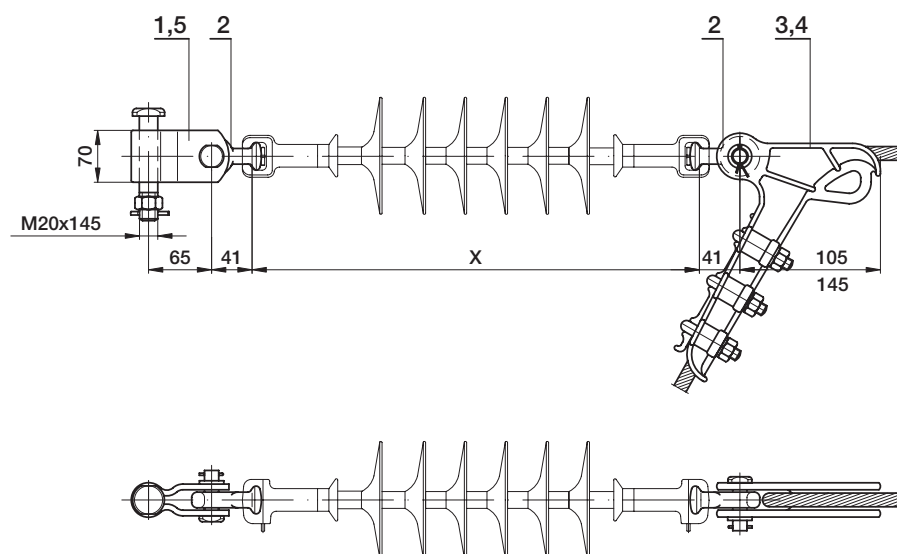
poz. [item]	kat. br. [item]	kom. [pcs.]	masa (kg) [mass]
1.	69.70.65C	1	1.20
2.	22.01.10	2	0.30
3.	29.50.280	2	1.70
4.	21.12.50	4	0.30
5.	41.11.19	4	0.25
6.	16.12.10	1	0.75
7.	16.15.10B	1	1.40
8.	69.50.65C	1	0.80

jednostruki zatezni lanac s kompozitnim izolatorom - za čelično-rešetkaste stupove

single tension string with composite insulator
- for steel-lattice masts

za Al, Al – legura i Al -Fe vodiče
minimalna prekidna sila (bez zatezne stezaljke)
45 kN, zglobova veza IEC 120/11

for AAC, AAAC and ACSR
minimum breaking strength (without tension clamp)
45 kN, standard coupling IEC 120/11



sastav izolatorskog lanca
specification of insulator set

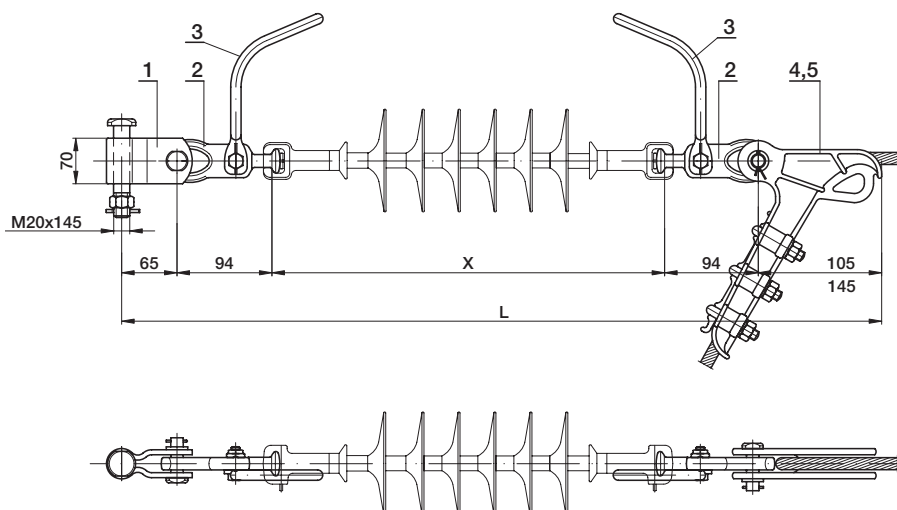
poz. [item]	kat. br. [item]	kom. [pcs.]	masa (kg) [mass]
1.	69.70.65C	1	1.20
2.	21.12.30	2	0.15
3.	16.12.10	1	0.75
4.	16.15.10B	1	1.40

jednostruki zatezni lanac s kompozitnim izolatorom - za čelično-rešetkaste stupove

single tension string with composite insulator
- for steel-lattice masts

za Al, Al – legura i Al -Fe vodiče
minimalna prekidna sila (bez zatezne stezaljke)
45 kN, zglobova veza IEC 120/11

for AAC, AAAC and ACSR
minimum breaking strength (without tension clamp)
45 kN, standard coupling IEC 120/11



sastav izolatorskog lanca
specification of insulator set

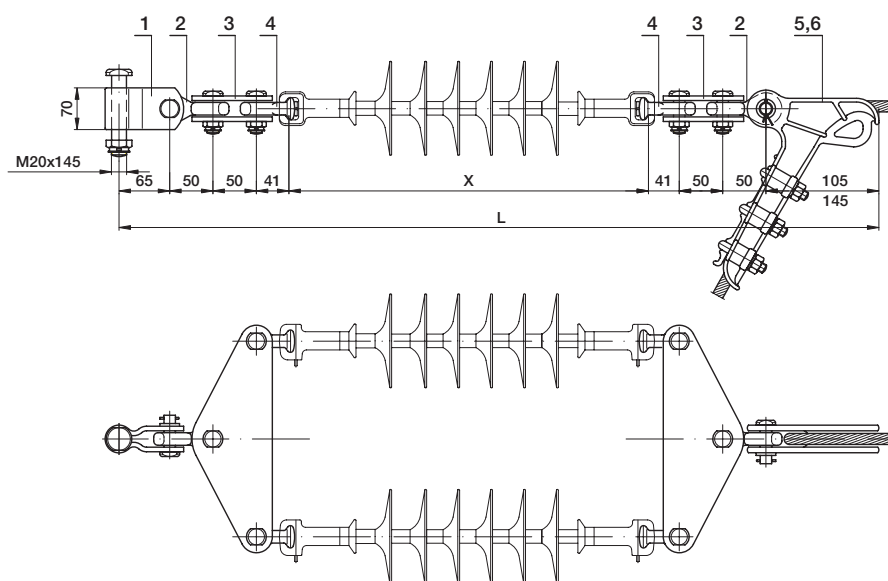
poz. [item]	kat. br. [item]	kom. [pcs.]	masa (kg) [mass]
1.	69.70.65C	1	1.20
2.	21.12.40	2	0.30
3.	41.11.19	2	0.25
4.	16.12.10	1	0.75
5.	16.15.10B	1	1.40

dvostruki zatezni lanac s kompozitnim izolatorom - za čelično-rešetkaste stupove

double tension string with composite insulator
- for steel-lattice masts

za Al, Al – legura i Al -Fe vodiče
minimalna prekidna sila (bez zatezne stezaljke)
90 kN, zglobna veza IEC 120/11

for AAC, AAAC and ACSR
minimum breaking strength (without tension clamp)
90 kN, standard coupling IEC 120/11



sastav izolatorskog lanca
specification of insulator set

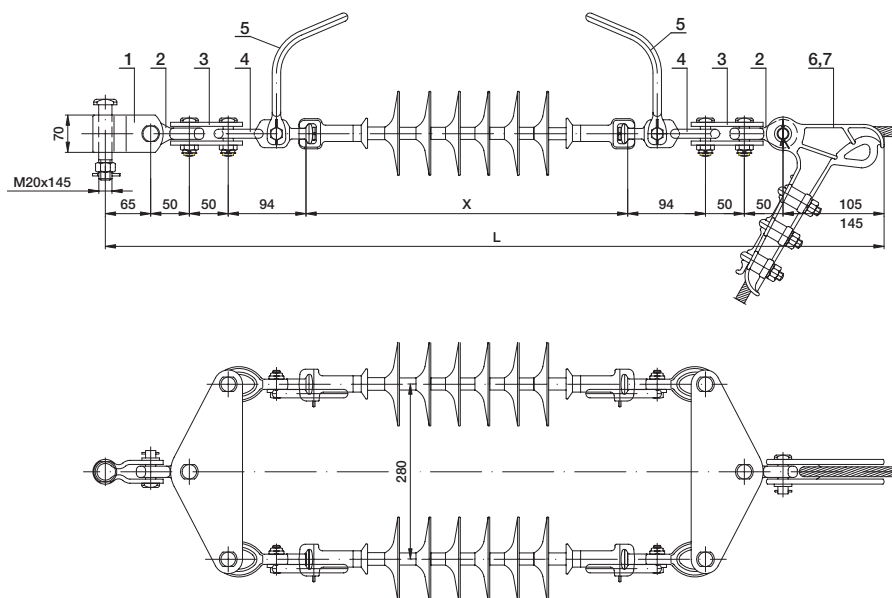
poz. [item]	kat. br. [item]	kom. [pcs.]	masa (kg) [mass]
1.	69.70.65C	1	1.20
2.	22.01.10	2	0.30
3.	29.50.280	2	1.70
4.	21.12.30	4	0.15
5.	16.12.10	1	0.75
6.	16.15.10B	1	1.40

dvostruki zatezni lanac s kompozitnim izolatorom - za čelično-rešetkaste stupove

double tension string with composite insulator
- for steel-lattice masts

za Al, Al – legura i Al -Fe vodiče
minimalna prekidna sila (bez zatezne stezaljke)
90 kN, zglobna veza IEC 120/11

for AAC, AAAC and ACSR
minimum breaking strength (without tension clamp)
90 kN, standard coupling IEC 120/11



sastav izolatorskog lanca
specification of insulator set

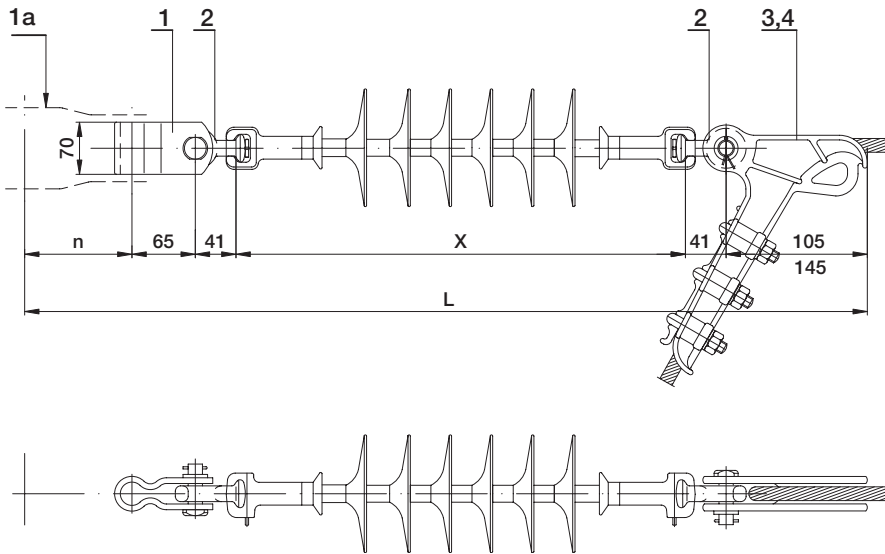
poz. [item]	kat. br. [item]	kom. [pcs.]	masa (kg) [mass]
1.	69.70.65C	1	1.20
2.	22.01.10	2	0.30
3.	29.50.280	2	1.70
4.	21.12.50	4	0.30
5.	41.11.19	4	0.25
6.	16.12.10	1	0.75
7.	16.15.10B	1	1.40

jednostruki zatezni lanac s kompozitnim izolatorom
- na betonskim stupovima i čeličnim konzolama tipa "DELTA"

single tension string with composite insulator
- on the concrete poles and steel crossarms type "DELTA"

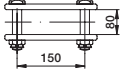
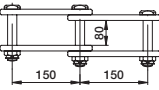
za Al, Al – legura i Al – Fe vodiče
minimalna prekidna sila (bez zatezne stezaljke)
45 kN, zglobna veza IEC 120/11

for AAC, AAAC and ACSR
minimum breaking strength (without tension clamp)
45 kN, standard coupling IEC 120/11



oprema za zavješnja izolatorskih lanaca

attachments with double extension link for insulator strings

poz. [item]	dimenzije nosača (mm) [dimensions]	kat. br. [cat. no]	masa (kg) [mass]	namjena [purpose]
1a.		43.26.118B	1.50	Ødelta mala konzola -lanci u sredini u simet. stupa Ødelta velika konzola -lanci na kraju
1a.		43.26.118B1	2.14	Ødelta velika konzola -lanci na kraju

sastav izolatorskog lanca

specification of insulator set

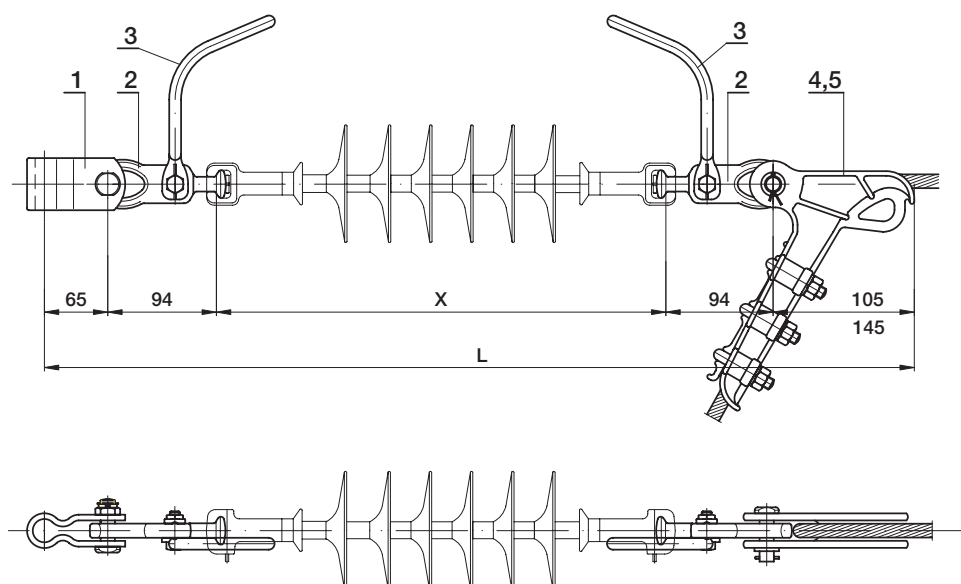
poz. [item]	kat. br. [item]	kom. [pcs.]	masa (kg) [mass]
1.	69.70.65B	1	1.00
2.	21.12.30	2	0.15
3.	16.12.10	1	0.75
4.	16.15.10B	1	1.40

jednostruki zatezni lanac s kompozitnim izolatorom - na betonskim stupovima i čeličnim konzolama tipa "DELTA"

single tension string with composite insulator
- on the concrete poles and steel crossarms type "DELTA"

za Al, Al – legura i Al -Fe vodiče
minimalna prekidna sila (bez zatezne stezaljke)
45 kN, zglobna veza IEC 120/11

for AAC, AAAC and ACSR
minimum breaking strength (without tension clamp)
45 kN, standard coupling IEC 120/11



oprema za zavješanja izolatorskih lanaca attachments with double extension link for insulator strings

poz. [item]	dimenzije nosača (mm) [dimensions]	kat. br. [cat. no]	masa (kg) [mass]	namjena [purpose]
1a.		43.26.118B	1.50	Ødelta mala konzola -lanci u sredini u simet. stupa Ødelta velika konzola -lanci na kraju
1a.		43.26.118B1	2.14	Ødelta velika konzola -lanci na kraju

sastav izolatorskog lanca specification of insulator set

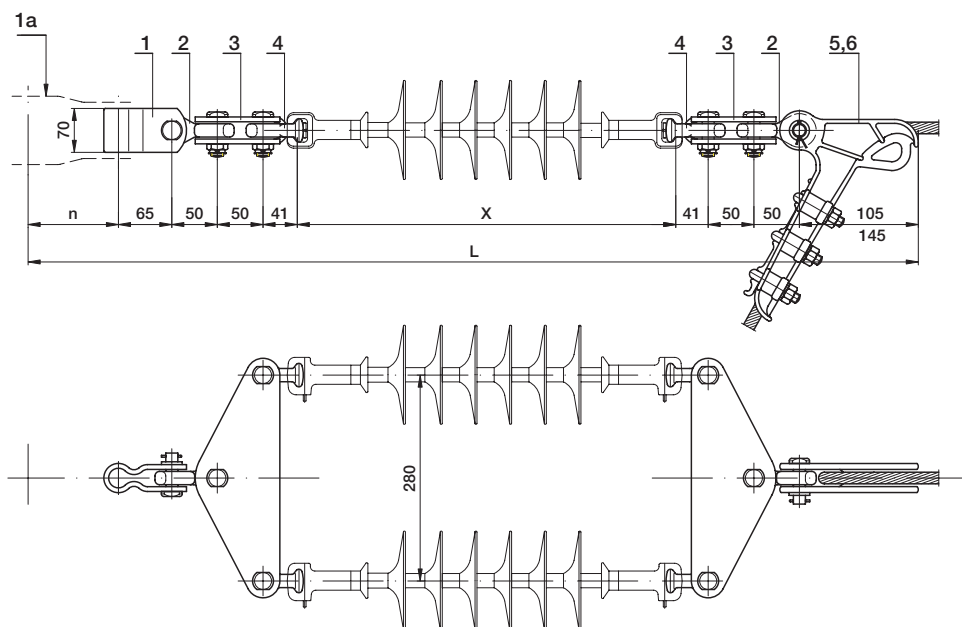
poz. [item]	kat. br. [item]	kom. [pcs.]	masa (kg) [mass]
1.	69.70.65B	1	1.00
2.	21.12.40	2	0.30
3.	41.11.19	2	0.25
4.	16.12.10	1	0.75
5.	16.15.10B	1	1.40

dvostruki zatezni lanac s kompozitnim izolatorom - na betonskim stupovima i čeličnim konzolama tipa "DELTA"

double tension string with composite insulator
- on the concrete poles and steel crossarms type "DELTA"

za Al, Al – legura i Al – Fe vodiče
minimalna prekidna sila (bez zatezne stezaljke)
90 kN, zglobna veza IEC 120/11

for AAC, AAAC and ACSR
minimum breaking strength (without tension clamp)
90 kN, standard coupling IEC 120/11



oprema za zavješanja izolatorskih lanaca attachments with double extension link for insulator strings

poz. [item]	dimenzije nosača (mm) [dimensions]	kat. br. [cat. no]	masa (kg) [mass]	namjena [purpose]
1a.		43.26.118B	1.50	Ødelta mala konzola -lanci u sredini u simet. stupa Ødelta velika konzola -lanci na kraju
1a.		43.26.118B1	2.14	Ødelta velika konzola -lanci na kraju

sastav izolatorskog lanca specification of insulator set

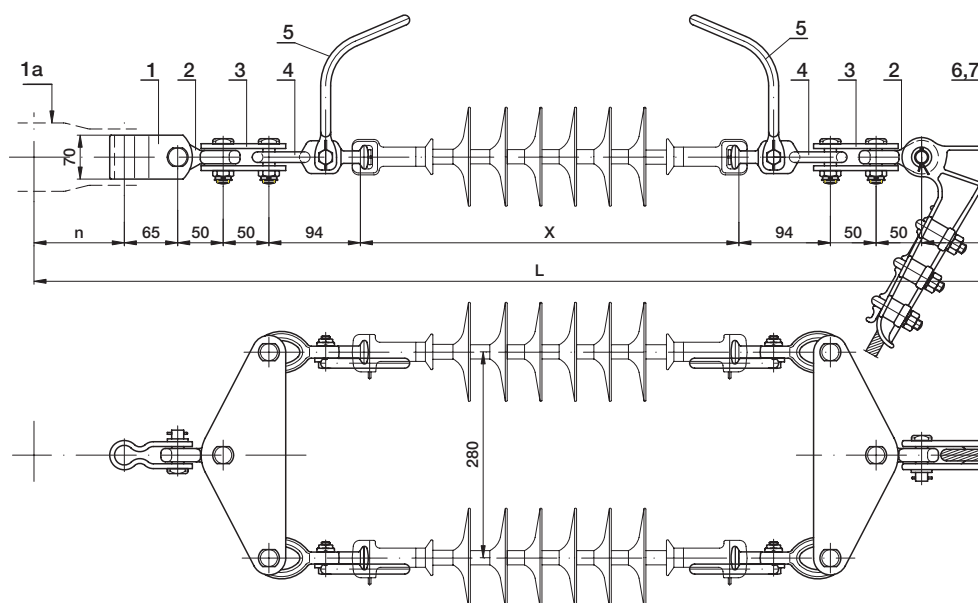
poz. [item]	kat. br. [item]	kom. [pcs.]	masa (kg) [mass]
1.	69.70.65B	1	1.00
2.	22.01.10	2	0.30
3.	29.50.280	2	1.70
4.	21.12.30	4	0.15
5.	16.12.10	1	0.75
6.	16.15.10B	1	1.40

dvostruki zatezni lanac s kompozitnim izolatorom - na betonskim stupovima i čeličnim konzolama tipa "DELTA"

double tension string with composite insulator
- on the concrete poles and steel crossarms type "DELTA"

za Al, Al – legura i Al -Fe vodiče
minimalna prekidna sila (bez zatezne stezaljke)
90 kN, zglobna veza IEC 120/11

for AAC, AAAC and ACSR
minimum breaking strength (without tension clamp)
90 kN, standard coupling IEC 120/11



oprema za zavješanja izolatorskih lanaca

attachments with double extension link for insulator strings

poz. [item]	dimenzije nosača (mm) [dimensions]	kat. br. [cat. no]	masa (kg) [mass]	namjena [purpose]
1a.		43.26.118B	1.50	Δdelta mala konzola -lanci u sredini u simet. stupa Δdelta velika konzola -lanci na kraju
1a.		43.26.118B1	2.14	Δdelta velika konzola -lanci na kraju

sastav izolatorskog lanca

specification of insulator set

poz. [item]	kat. br. [item]	kom. [pcs.]	masa (kg) [mass]
1.	69.70.65B	1	1.00
2.	22.01.10	2	0.30
3.	29.50.280	2	1.70
4.	21.12.50	4	0.30
5.	41.11.19	4	0.25
6.	16.12.10	1	0.75
7.	16.15.10B	1	1.40

jednostruki nosni lanac sa kompozitnim izolatorom - za čelično-rešetkaste stupove

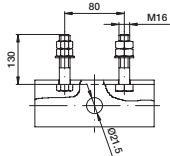
single suspension string with composite insulator
- for steel-lattice masts

za Al, Al – legura i Al -Fe vodiče
minimalna prekidna sila (bez zatezne stezaljke)
45 kN, zglobna veza IEC 120/11

for AAC, AAAC and ACSR
minimum breaking strength (without tension clamp)
45 kN, standard coupling IEC 120/11

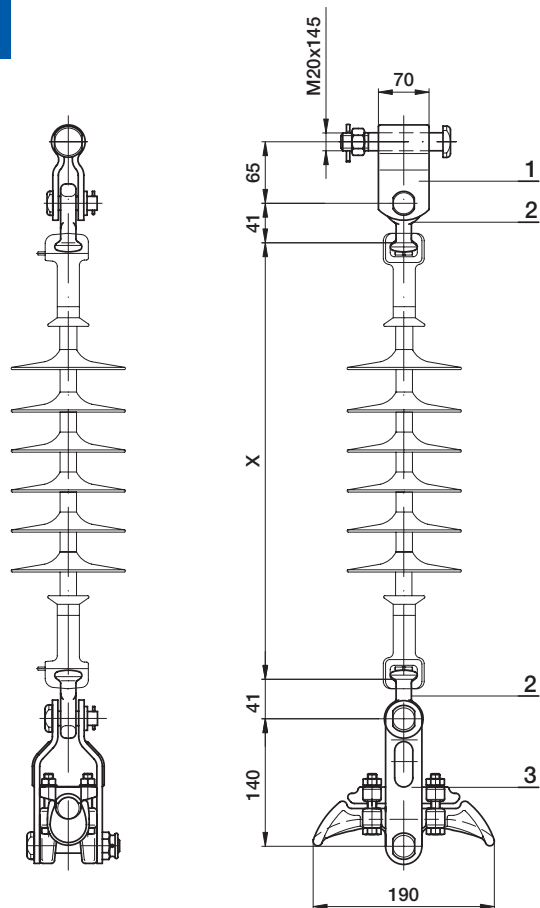
oprema za zavješanja izolatorskih lanaca
attachments with double extension link for insulator strings

poz. [item]	dimenzije nosača (mm) [dimensions]	kat. br. [cat. no]	masa (kg) [mass]
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1a.  43.68.156B 2.70

sastav izolatorskog lanca
specification of insulator set

poz. [item]	kat. br. [item]	kom. [pcs.]	masa (kg) [mass]
1.	69.70.65C	1	1.20
2.	21.12.30	2	0.15
3.	11.17.10.70	1	2.00



dvostruki nosni lanac sa kompozitnim izolatorom - za čelično-rešetkaste stupove

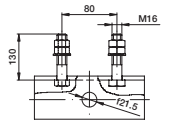
double suspension string with composite insulator
- for steel-lattice masts

za Al, Al – legura i Al -Fe vodiče
minimalna prekidna sila (bez zatezne stezaljke)
90 kN, zglobna veza IEC 120/11

for AAC, AAAC and ACSR
minimum breaking strength (without tension clamp)
90 kN, standard coupling IEC 120/11

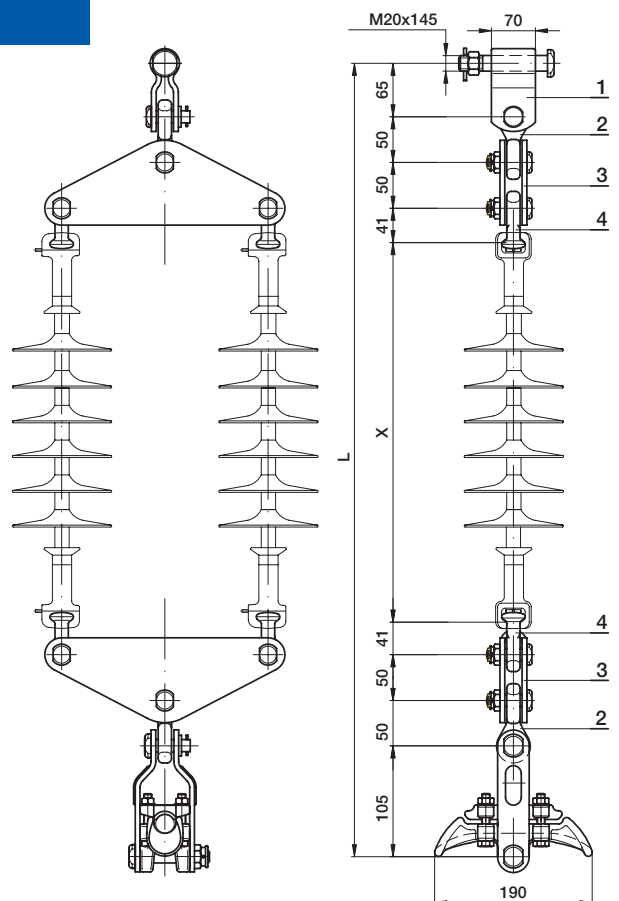
oprema za zavješanja izolatorskih lanaca
attachments with double extension link for insulator strings

poz. [item]	dimenzije nosača (mm) [dimensions]	kat. br. [cat. no]	masa (kg) [mass]
----------------	---------------------------------------	-----------------------	---------------------

1a.  43.68.156B 2.70

sastav izolatorskog lanca
specification of insulator set

poz. [item]	kat. br. [item]	kom. [pcs.]	masa (kg) [mass]
1.	69.70.65C	1	1.20
2.	22.01.10	2	0.30
3.	29.50.280	2	1.70
4.	21.12.30	4	0.15
5.	11.17.10.70	1	2.00



1

1a

2

2a

3

3a

4

5

5a

6

6a

6b

7

8

9

10

11

12

jednostruki nosni lanac sa kompozitnim izolatorom - za čelično-rešetkaste stupove

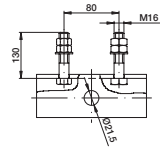
single suspension string with composite insulator - for steel-lattice masts

za Al, Al – legura i Al -Fe vodiče
minimalna prekidna sila (bez zatezne stezaljke)
45 kN, zglobna veza IEC 120/11

for AAC, AAAC and ACSR
minimum breaking strength (without tension clamp)
45 kN, standard coupling IEC 120/11

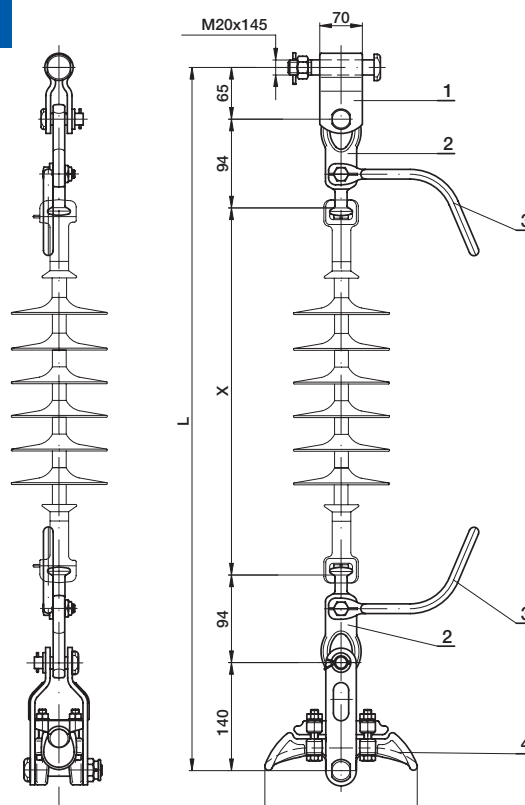
oprema za zavješanja izolatorskih lanaca attachments with double extension link for insulator strings

poz. [item]	dimenzije nosača (mm) [dimensions]	kat. br. [cat. no]	masa (kg) [mass]
----------------	---------------------------------------	-----------------------	---------------------

1a.		43.68.156B	2.70
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sastav izolatorskog lanca specification of insulator set

poz. [item]	kat. br. [item]	kom. [pcs.]	masa (kg) [mass]
1.	69.70.65C	1	1.20
2.	21.12.50	2	0.30
3.	41.11.19	2	0.25
4.	11.17.10.70	1	2.00



dvostruki nosni lanac sa kompozitnim izolatorom - za čelično-rešetkaste stupove

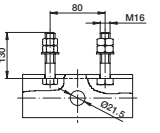
double suspension string with composite insulator - for steel-lattice masts

za Al, Al – legura i Al -Fe vodiče
minimalna prekidna sila (bez zatezne stezaljke)
90 kN, zglobna veza IEC 120/11

for AAC, AAAC and ACSR
minimum breaking strength (without tension clamp)
90 kN, standard coupling IEC 120/11

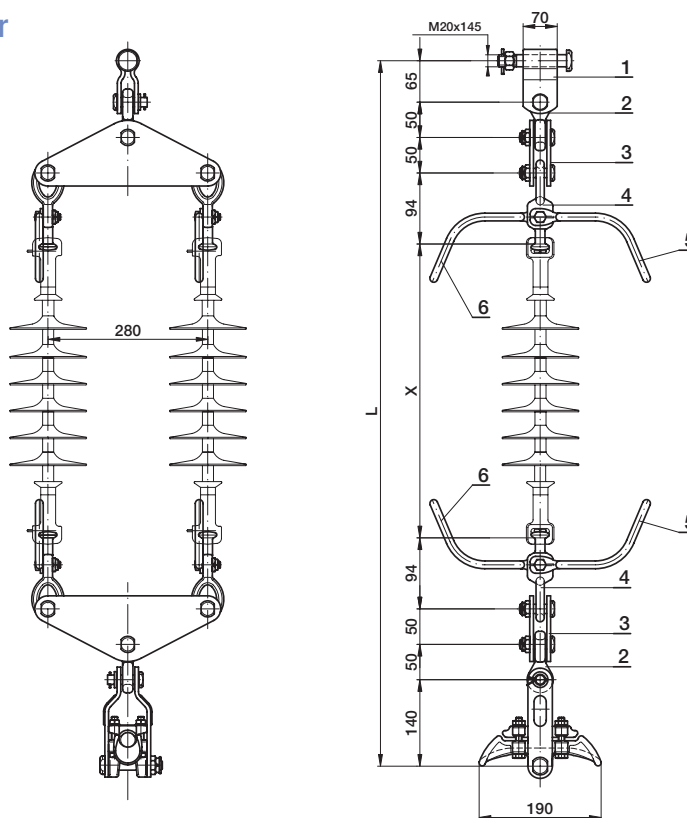
oprema za zavješanja izolatorskih lanaca attachments with double extension link for insulator strings

poz. [item]	dimenzije nosača (mm) [dimensions]	kat. br. [cat. no]	masa (kg) [mass]
----------------	---------------------------------------	-----------------------	---------------------

1a.		43.68.156B	2.70
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sastav izolatorskog lanca specification of insulator set

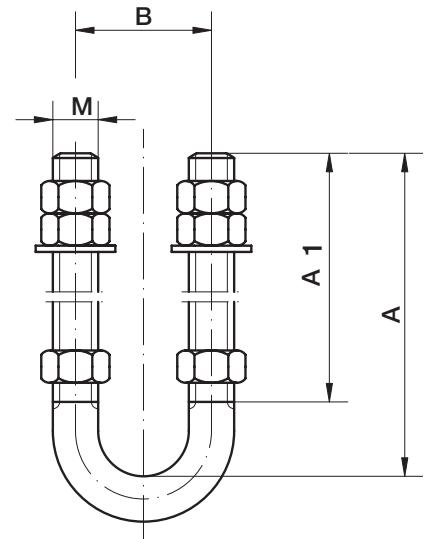
poz. [item]	kat. br. [item]	kom. [pcs.]	masa (kg) [mass]
1.	69.70.65C	1	1.20
2.	22.01.10	2	0.30
3.	29.50.280	2	1.70
4.	21.12.50	4	0.30
5.	41.11.19.2	4	0.25
6.	41.11.19.11	4	0.20
7.	11.17.10.70	1	2.00



u-stremeni

u-shackle

kat. br. [cat. no]	dimenzije (mm) [dimensions]				min. prekidna sila [min. breaking strength] (kN)	masa [mass] (kg)
	B	A	A ₁	M		
35.14.70	70	96	60	14	80	0.45
35.16.55	60	184	150	16	120	0.95
35.16.56	60	264	228	16	120	1.15
35.16.60	65	204	160	16	120	0.95
35.16.75	80	209	153	16	120	1.00
35.18.75	80	212	160	18	140	1.16
35.20.75	80	205	160	20	180	1.60
35.20.85	100	235	162	20	180	1.80
35.22.82	90	224	170	22	230	1.92
35.24.80	90	150	99	24	270	2.60
35.24.86	100	306	224	24	270	2.67

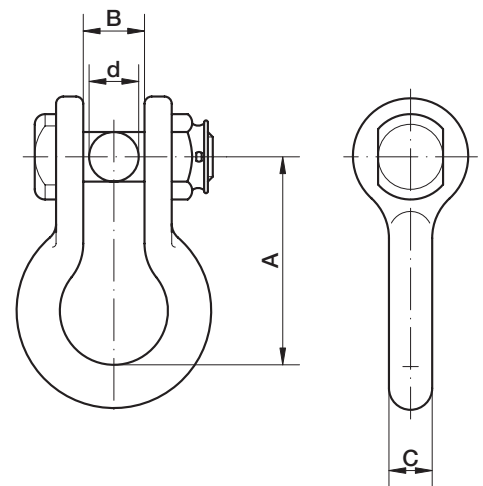


materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]

škopci

shakles

kat. br. [cat. no]	dimenzije (mm) [dimensions]				min. prekidna sila [min. breaking strength] (kN)	masa [mass] (kg)
	A	B	C	d		
27.01.10a	50	15	14	12	80	0.35
27.01.90a	60	14	12	12	80	0.39
27.04.10	45	24	12	16	80	0.39
27.06.10	50	24	14	16	100	0.40
27.08.10	65	24	16	16	120	0.55
27.10.10	75	24	18	20	160	0.85
27.10.10x	75	24	18	20	210	0.85
27.18.10	100	24	24	22	320	1.85



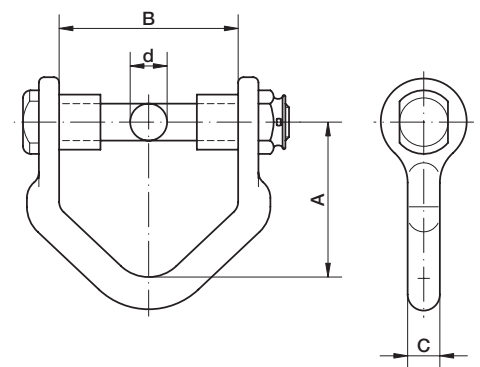
materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]

stremeni

shackles

kat. br. [cat. no]	dimenzije (mm) [dimensions]				min. prekidna sila [min. breaking strength] (kN)	masa [mass] (kg)
	A	B	C	d		
27.52.10	95	24	14	14	80	0.80
27.53.10	95	82	14	16	80	0.70

materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]

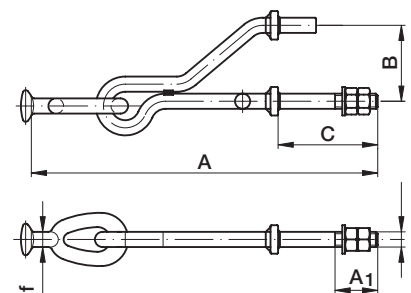


u-stremen

u-shackle

kat. br. [cat. no]	dimenzije (mm) [dimensions]							I.E.C. class	min. prekidna sila [min. breaking strength] (kN)	masa [mass] (kg)
	B	A	A ₁	M	C	Ø				
43.89.11.3	80	390	45	16	105	16		16	80	1.15

materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]

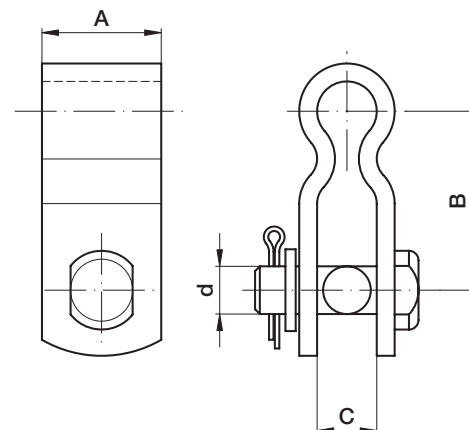


zastavice

strain hinges

kat. br. [cat. no]	dimenzije (mm) [dimensions]				min. prekidna sila [min. breaking strength] (kN)	struja kratkog spoja [short circuit current] (kA)	masa [mass] (kg)
	A	B	C	d			
69.40.55A	40	55	20	14	40	15	0.41
69.50.65B	50	65	20	20	90	20	0.70
69.70.65C	70	65	20	20	90	20	0.80
69.70.65B	70	65	20	14	40	15	0.50

materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]

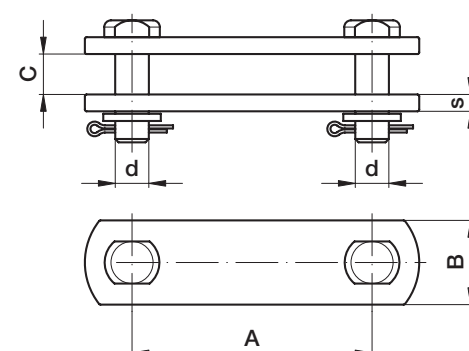


produžnici

parallel links

kat. br. [cat. no]	dimenzije (mm) [dimensions]				min. prekidna sila [min. breaking strength] (kN)	struja kratkog spoja [short circuit current] (kA)	masa [mass] (kg)
	A	Bxs	C	d			
43.26.71A	70	40x6	20	19	75	15	0.78
43.26.71B	70	50x8	20	19	160	15	1.18

materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]

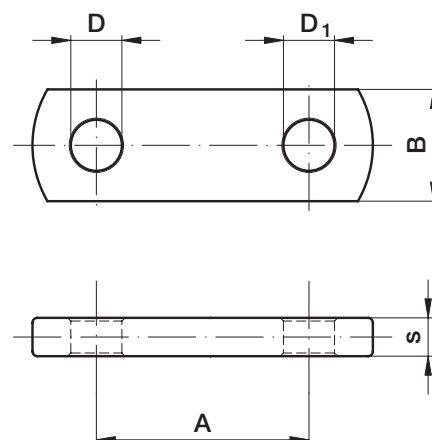


produžnici

parallel links

kat. br. [cat. no]	dimenzije (mm) [dimensions]					min. prekidna sila [min. breaking strength] (kN)	struja kratkog spoja [short circuit current] (kA)	masa [mass] (kg)
	A	B	s	D	D ₁			
43.26.35D	50	40	12	15.5	15.5	60	10	0.27
43.26.70B	70	50	18	17.5	17.5	130	25	0.78
43.26.35D	70	50	18	21.5	21.5	200	35	0.77
43.26.70B	80	60	18	21.5	21.5	240	40	1.00
43.26.35D	100	50	18	21.5	21.5	200	35	0.98
43.26.70B	200	50	18	21.5	21.5	240	35	1.96

materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]

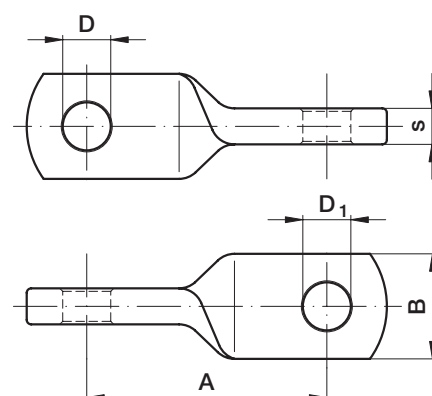


produžnici-zaokrenuti

extension links-twisted

kat. br. [cat. no]	dimenzije (mm) [dimensions]					min. prekidna sila [min. breaking strength] (kN)	struja kratkog spoja [short circuit current] (kA)	masa [mass] (kg)
	A	B	s	D	D ₁			
26.71.10	80	40	12	15.5	15.5	90	10	0.90
26.71.30A	100	50	12	17.5	17.5	90	25	0.95
26.71.30B	100	50	18	17.5	17.5	90	35	1.00
26.71.30	100	50	12	17.5	15.5	70	40	1.00

materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]

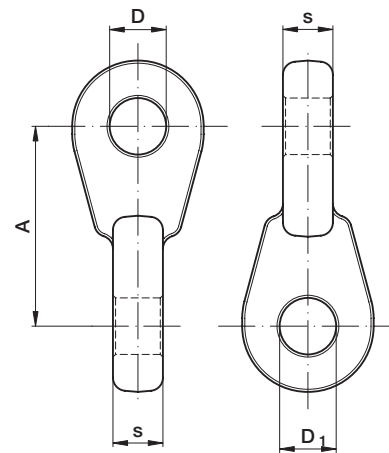


dvostruka očka

double tongue

kat. br. [cat. no]	dimenzije (mm) [dimensions]				min. prekidna sila [min. breaking strength] (kN)	struja kratkog spoja [short circuit current] (kA)	masa [mass] (kg)
	A	s	D	D ₁			
22.01.10	50	13	15.5	15.5	70	15	0.28
22.01.10X	50	13	15.5	15.5	90	15	0.28
22.33.20.20	76	19	17.5	17.5	120	20	0.57
22.33.40.30	76	19	21.5	21.5	180	20	0.56
22.33.40.30A	78	19	17.5	17.5	130	25	0.57
22.33.40.40	78	19	21.5	21.5	200	25	0.56

materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]

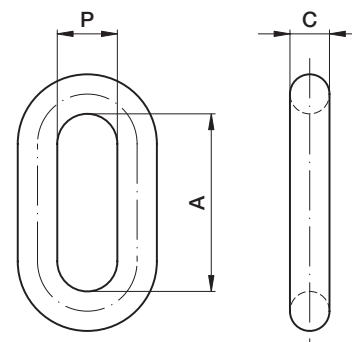


karika

eye

kat. br. [cat. no]	dimenzije (mm) [dimensions]			min. prekidna sila [min. breaking strength] (kN)	struja kratkog spoja [short circuit current] (kA)	masa [mass] (kg)
	A	C	P			
21.06.10	50	12	25	80	15	0.14
21.23.10	70	16	30	140	15	0.40
21.35.10	80	18	30	200	20	0.53
21.49.10	80	22	30	280	25	0.81
21.68.10	110	28	40	480	30	1.70

materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]

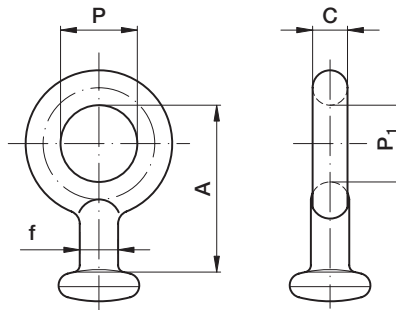


karika s batićem

ball eye

kat. br. [cat. no]	dimenzije (mm) [dimensions]					min. prekidna sila [min. breaking strength] (kN)	struja kratkog spoja [short circuit current] (kA)	masa [mass] (kg)
	A	C	P	P ₁	Ø			
21.04.10	71	12	22	45	11	11	10	0.18
21.12.30	48	11	22		11	11	40	0.11
21.12.10	69	14	35		16	16	100	0.30
21.12.20	54	16	25		16	16	120	0.28
21.24.10	84	15	26	50	16	16	120	0.36
21.56.10	88	13	25	50	16	16	70	0.23

materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]

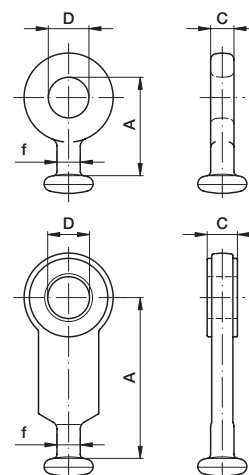


očka s batićem

ball tongue

kat. br. [cat. no]	dimenzije (mm) [dimensions]					min. prekidna sila [min. breaking strength] (kN)	struja kratkog spoja [short circuit current] (kA)	masa [mass] (kg)
	A	C	D	Ø	I.E.C. class			
23.08.10	36	12	13.5	11	11	45	15	0.10
23.08.20	36	12	15.5	11	11	50	15	0.10
23.08.30	36	12	17.5	11	11	60	15	0.10
23.01.10	39	14	17.5	16	16	80	15	0.18
23.01.40	55	19	21.5	16	16	120	15	0.35
23.29.90.20	129	19	21.5	16	16	120	15	0.45

materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]



1

1a

2

2a

3

3a

4

5

5a

6

6a

6b

7

8

9

10

11

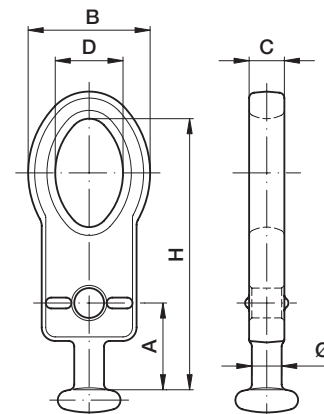
12

karika s batićem

ball eyes

kat. br. [cat. no]	dimenzije (mm) [dimensions]						I.E.C. class	min. prekidna sila [min. breaking strength] (kN)	struja kratkog spoja [short circuit current] (kA)	masa [mass] (kg)
	A	B	C	D	H	Ø				
21.12.40	32	45	13	22	100	11	11	45	9	0.30
23.95.40	50	50	19	21.5	107	16	16	120	20	0.70

materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]

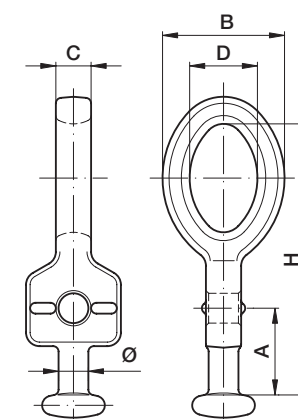


karika s batićem-zaokrenuta

ball eyes-twisted

kat. br. [cat. no]	dimenzije (mm) [dimensions]						I.E.C. class	min. prekidna sila [min. breaking strength] (kN)	struja kratkog spoja [short circuit current] (kA)	masa [mass] (kg)
	A	B	C	D	H	Ø				
21.12.50	32	45	13	22	100	11	11	45	9	0.30
23.94.50	59	50	19	17.5	130	16	16	120	20	0.81

materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]

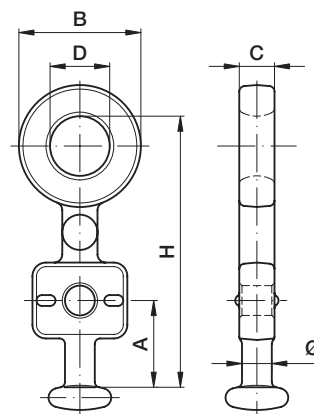


očka s batićem

ball tongues

kat. br. [cat. no]	dimenzije (mm) [dimensions]						I.E.C. class	min. prekidna sila [min. breaking strength] (kN)	struja kratkog spoja [short circuit current] (kA)	masa [mass] (kg)
	A	B	C	D	H	Ø				
21.12.60	32	45	13	22	100	11	11	45	9	0.30

materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]

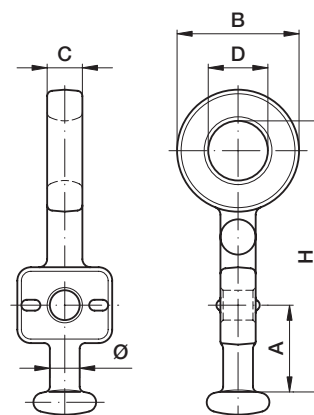


očka s batićem-zaokrenuta

ball tongues-twisted

kat. br. [cat. no]	dimenzije (mm) [dimensions]						I.E.C. class	min. prekidna sila [min. breaking strength] (kN)	struja kratkog spoja [short circuit current] (kA)	masa [mass] (kg)
	A	B	C	D	H	Ø				
21.12.70	32	45	13	22	100	11	11	45	9	0.30

materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]

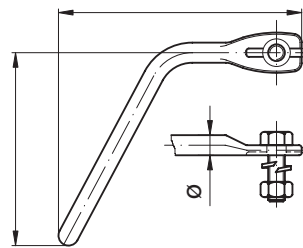


zaštitni rogovi – gornji

arcing horns – earth end

kat. br. [cat. no]	A	dimenzije (mm) [dimensions] H	Ø	struja kratkog spoja [short circuit current] (kA)	masa [mass] (kg)
41.11.19.2	130	115	12	9	0.25
41.11.55A	250	190	16	16	0.70
41.11.55B	275	170	16	16	0.80

materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]

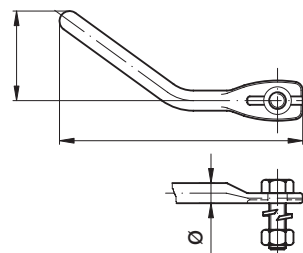


zaštitni rogovi – donji

arcing horns – line end

kat. br. [cat. no]	A	dimenzije (mm) [dimensions] H	Ø	struja kratkog spoja [short circuit current] (kA)	masa [mass] (kg)
41.13.12	250	105	16	16	0.70
41.13.12A	275	85	16	16	0.70

materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]

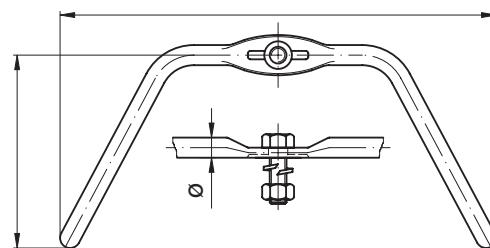


zaštitni rogovi – gornji

arcing horns – earth end

kat. br. [cat. no]	A	dimenzije (mm) [dimensions] H	Ø	struja kratkog spoja [short circuit current] (kA)	masa [mass] (kg)
41.11.50A	460	150	16	16	1.00
41.11.50B	500	200	16	16	1.10
41.11.50C	550	190	16	16	1.30

materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]

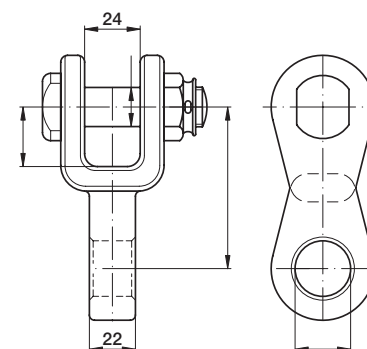


vilice sa očkom

clevis tongues

kat. br. [cat. no]	A	dimenzije (mm) [dimensions] D d	E	min. prekidna sila [min. breaking strength] (kN)	masa [mass] (kg)
22.09.10	65	17.5 16	30	120	0.60
22.09.50	65	21.5 16	30	120	0.57

materijal [material]: kovani čelik / vruće pocinčano
[droop forgedsteel / hot dip galvanized]

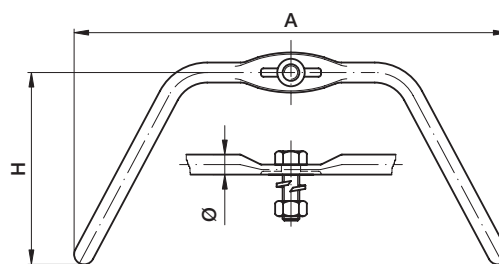


zaštitni rogovi – gornji

arcing horns – earth end

kat. br. [cat. no]	A	dimenzije (mm) [dimensions] H	Ø	struja kratkog spoja [short circuit current] (kA)	masa [mass] (kg)
41.11.50A	460	150	16	16	1.00
41.11.50B	500	200	16	16	1.10
41.11.50C	550	190	16	16	1.30

materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]

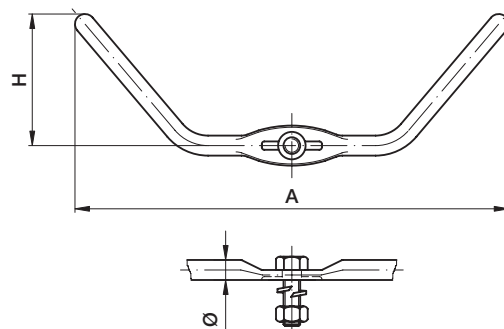


zaštitni rogovi – donji

arcing horns – line end

kat. br. [cat. no]	dimenzije (mm) [dimensions]			struja kratkog spoja [short circuit current] (kA)	masa [mass] (kg)
	A	H	Ø		
41.11.52A	460	75	16	16	0.90
41.11.52B	500	105	16	16	1.00
41.11.52C	550	85	16	16	1.20

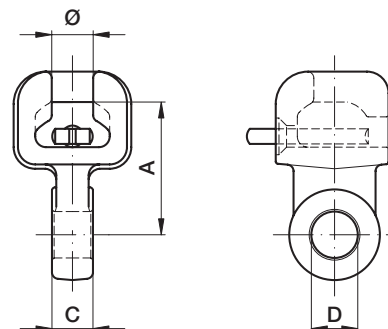
materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]



zdjelica s očkom

socket tongue

kat. br. [cat. no]	dimenzije (mm) [dimensions]				I.E.C. class	min. prekidna sila [min. breaking strength] (kN)	masa [mass] (kg)
	A	C	D	Ø			
24.31.10	110	20	18	12.5	11	50	0.70
24.03.20	58	19	17.5	19.2	16	80	0.50
24.42.90a	116	16	17.5	19.2	16	120	0.91
24.08.30	61	19	21.5	19.2	16	120	0.80
24.91.30a	110	19	17.5	19.2	16	120	0.90
24.91.50a	162	19	21.5	19.2	16	120	1.20

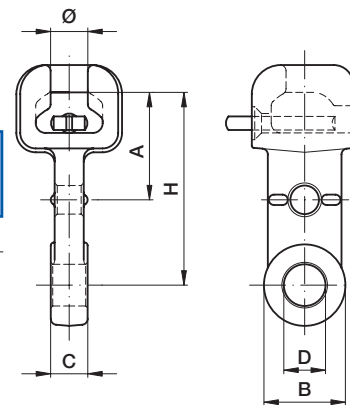
materijal [material]: kovani čelik / vruće pocinčano
[droop forged steel / hot dip galvanized]

zdjelica s očkom

socket tongue

kat. br. [cat. no]	dimenzije (mm) [dimensions]					I.E.C. class	min. prekidna sila [min. breaking strength] (kN)	struja kratkog spoja [short circuit current] (kA)	masa [mass] (kg)
	A	B	C	D	H				
24.91.40	55	50	16	21.5	106	16	120	16	0.93

materijal [material]: kovani čelik / vruće pocinčano [droop forged steel / hot dip galvanized]

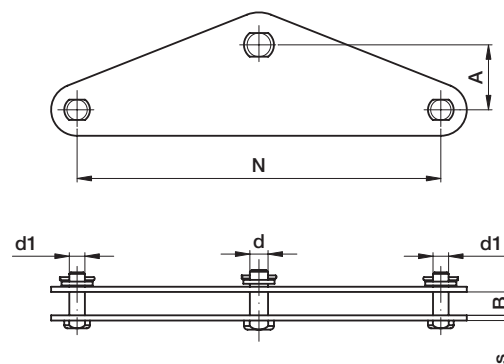


zdjelica s očkom

socket tongue

kat. br. [cat. no]	dimenzije (mm) [dimensions]					min. prekidna sila [min. breaking strength] (kN)	masa [mass] (kg)
	A	B	d	d ₁	N		
29.52.20	42	18	14	14	250	50	1.85
29.52.20A	50	14	14	14	280	60	1.55
29.52.20B	50	20	20	20	280	60	1.75
29.50.250	50	18	14	12	250	90	1.70
29.50.280	50	18	14	12	280	90	1.85

materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]

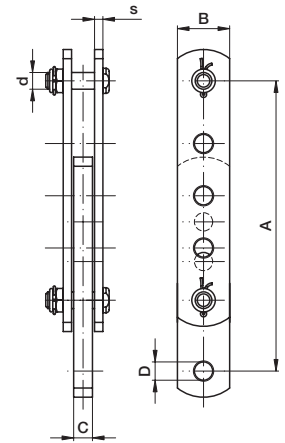


regulacijski produžnici

adjustable extension links

kat. br. [cat. no]	dimenzije (mm) [dimensions]					min. prekidna sila [min. breaking strength] (kN)	struja kratkog spoja [short circuit current] (kA)	masa [mass] (kg)	
	A	B	C	D	d	s			
43.26.340B	235-340	40	18	24	19	6	75	15	1.95
43.26.61	540-840	60	22	21.5	20	8	240	25	6.50

materijal [material]: čelik / vruće pocinčano [steel / hot dip galvanized]



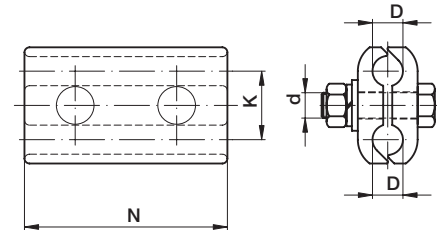
strujna stezaljka

parallel groove clamp

kat. br. [cat. no]	promjer užeta [conductor diameter] D (mm)		dimenzije (mm) [dimensions]		masa [mass] (kg)
	D	D	K	N	
77.33.12	7.0-9.0	10	21	70	0.18
77.34.12	9.0-12.0	10	27	80	0.26
77.35.12	12.0-15.0	12	30	80	0.38
77.36.12	15.0-18.0	12	34	80	0.48

materijal [material]: al. legura [al. alloy]

vijci i matice [bolts and nuts]: čelik / vruće pocinčan [steel / hot dip galvanized]



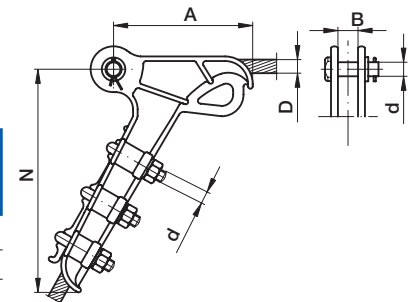
zatezne vijčane stezaljke

bolted strain clamps

kat. br. [cat. no]	promjer užeta [conductor diameter] D (mm)		broj vijaka [bolt no.]	dimenzije (mm) [dimensions]				promjer užeta [conductor diameter] D (mm)	masa [mass] (kg)
	D	D		A	B	d	d1	N	
16.12.10	6-12	2	105	24	16	M10	142	35	0.75
16.12.10A	6-12	2	105	16	16	M10	142	35	0.75
16.15.10	9-15	3	145	24	16	M12	206	60	1.60
16.15.10A	9-15	3	145	16	16	M12	206	60	1.60
16.15.30	7-15	3	203	19	16	M14	293	75	1.90
16.15.90	7-15	3	203	19	16	M12	293	70	1.80
16.19.10.40	13-19	4	180	20	19	M12	290	80	2.20
16.21.30A	12-22	4	292	20	20	M16	290	100	3.50

materijal [material]: al. legura [al. alloy]

u-vijci, vijci i matice [u-bolts, bolts and nuts]: čelik / vruće pocinčan [steel / hot dip galvanized]



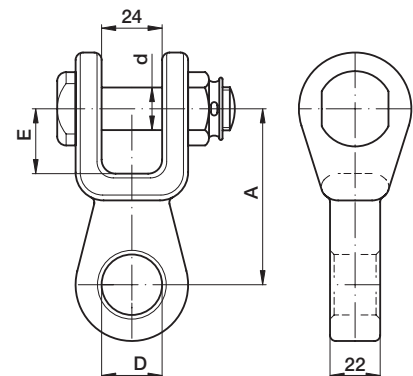
vilica s očkom 90°

clevis tongues 90°

kat. br. [cat. no]	dimenzije (mm) [dimensions]				min. prekidna sila [min. breaking strength] (kN)	masa [mass] (kg)
	A	D	d	E		
22.08.20	65	15.5	16	30	60	0.57
22.45.10	65	17.5	16	30	120	0.60
22.45.20	65	21.5	20	30	120	0.70
43.29.09	100	21.5	20	40	200	1.40
43.22.09.50	100	17.5	20	40	160	1.40
43.22.09.70	100	21.5	16	40	160	1.30
43.22.51	100	17.5	16	40	120	1.30

materijal [material]: kovani čelik / vruće pocinčano

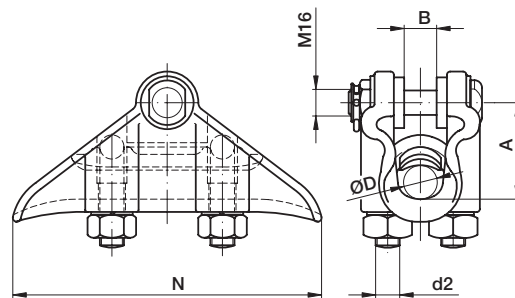
[droop forged steel / hot dip galvanized]



nosne stezaljke

suspension clamps

kat. br. [cat. no]	promjer užeta [conductor diameter] D(mm)	A	dimenzije (mm) [dimensions] B d ₂ N			min. prekidna sila [min. breaking strength] (kN)	masa [mass] (kg)
10.15.90	7-15	60	24	10	170	60	0.87
10.15.10	9-17	60	24	10	170	60	0.95
10.15.10A	9-17	60	14	10	170	60	0.95
10.19.10	14-20	60	24	12	190	80	1.20
10.25.10.40	19-27	65	24	12	205	100	1.50
10.35.10	25-37	75	24	16	225	100	2.40



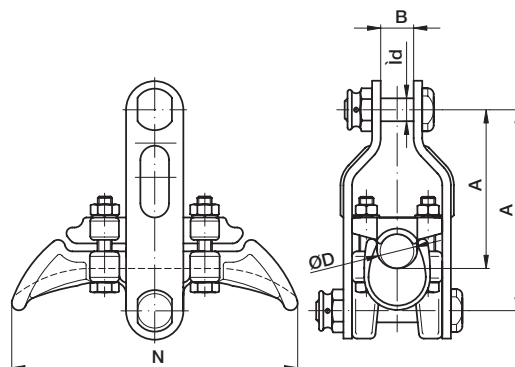
materijal [material]: al. legura [al. alloy]

vijci, u-vijci, matice [bolts, u-bolts, nuts]: čelik / vruće pocinčan [steel / hot dip galvanized]

nosne stezaljke

suspension clamps

kat. br. [cat. no]	promjer užeta [conductor diameter] D(mm)	A	dimenzije (mm) [dimensions] A ₁ B N d				min. prekidna sila [min. breaking strength] (kN)	masa [mass] (kg)
11.17.10	9-17.5	110	140	24	190	16	85	1.95
11.17.10.70	9-17.5	110	140	15	190	14	85	1.70
11.21.10	17-22	120	150	24	210	20	85	2.70
11.27.10	20-27	120	150	24	240	20	90	2.80
11.33.10	25-33	130	150	24	250	20	160	2.90
11.41.10	32-43.5	155	185	24	300	20	160	4.25



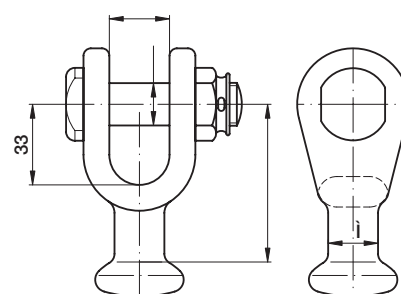
materijal [material]: al. legura [al. alloy]

vijci, u-vijci, matice [bolts, u-bolts, nuts]: čelik / vruće pocinčan [steel / hot dip galvanized]

vilica s batičem

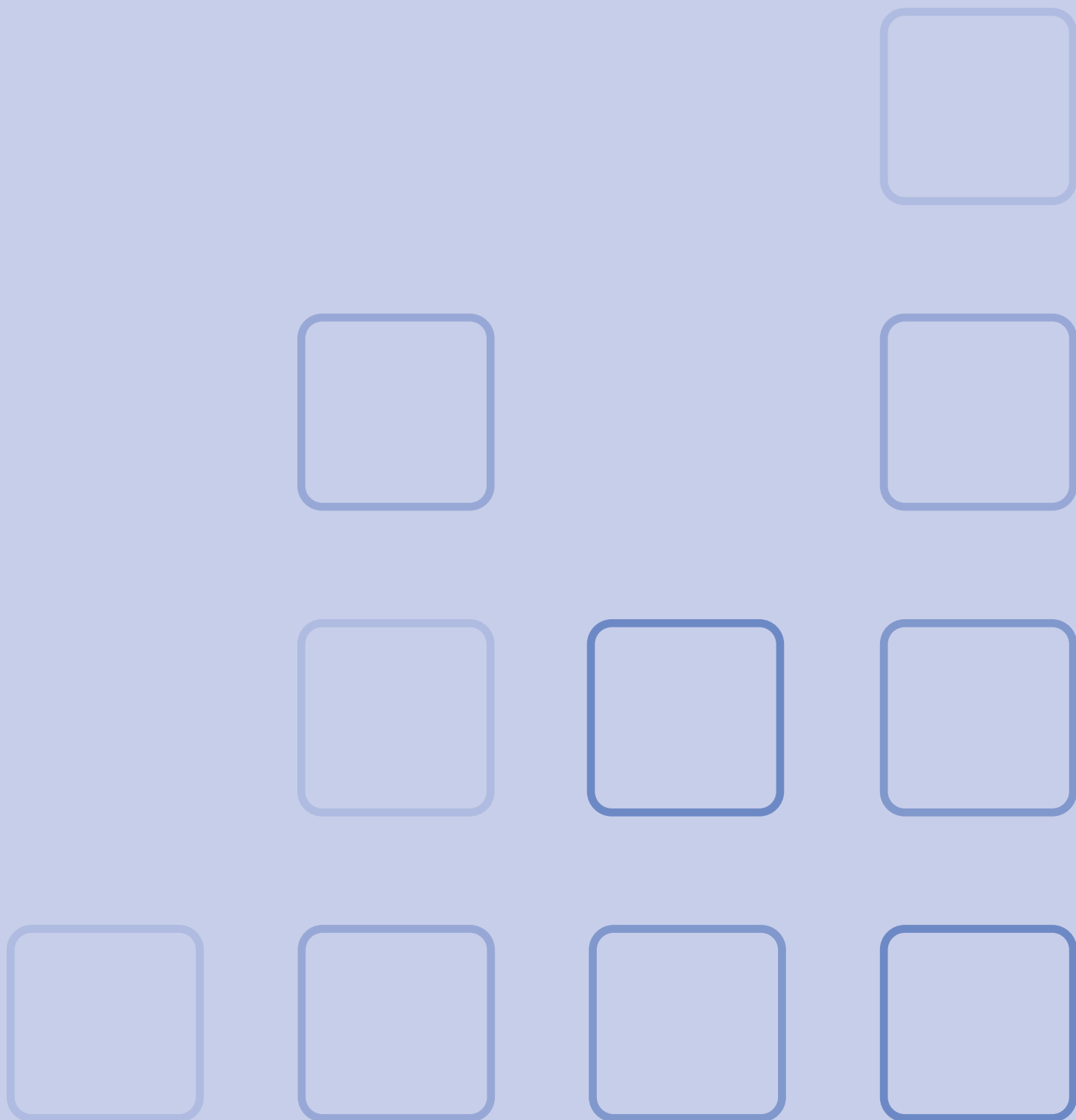
ball clevis

kat. br. [cat. no]	dimenzije (mm) [dimensions] A B		dimenzije (mm) [dimensions] d Ø		I.E.C. class	min. prekidna sila [min. breaking strength] (kN)	masa [mass] (kg)
23.21.10	51	14	12	11	11	40	0.28
23.31.30	57	18	16	11	11	45	0.35
22.23.10	67	24	16	16	16	120	0.65
22.23.50	67	24	20	16	16	120	0.75



materijal [material]: kovani čelik / vruće pocinčano

[droop forged steel / hot dip galvanized]



spojna oprema za spajanje golih i izoliranih vodiča

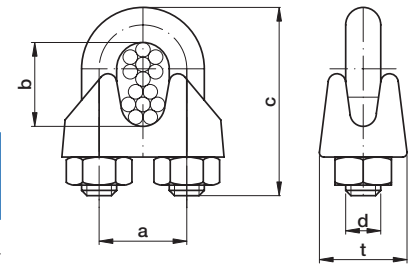
[jointing accessories for connection bare
and insulated conductors]

10

U - vijčane stezaljke za čeličnu užad

tap connectors

kat. br. [cat. no]	čelična žica [steel wire]		dimenzije (mm) [dimensions]				moment pritezanja vijka [bolt torque] (Nm)	masa [mass] (kg)	
	Ømax(mm)	(mm²)	a	b	c	d			t
77.01.03	3		9	6	20	M4	10	1.6	0.014
77.01.05	5		11	10	24	M5	11	3.8	0.015
77.01.07	6.5		13	13	28	M5	12	3.8	0.021
77.01.08	8	35	16	16	34	M6	14	5.2	0.041
77.01.10	10	50	20	20	42	M8	20	12.8	0.075
77.01.11	11	70	21	22	44	M8	20	12.8	0.078
77.01.13	13	95	25	26	55	M10	25	27.2	0.150
77.01.14	14		27	28	57	M10	25	27.2	0.115
77.01.16	16	150	30	32	63	M12	28	45.6	0.210
77.01.19	19	185	34	38	75	M12	32	45.6	0.330
77.01.22	22	240	38	44	85	M14	35	70.4	0.500
77.01.26	26		42	52	95	M14	38	70.4	0.520
77.01.30	30		50	60	110	M16	40	110.0	0.850
77.01.34	34		54	68	120	M16	45	110.0	1.000
77.01.40	40		60	80	140	M16	48	110.0	1.220

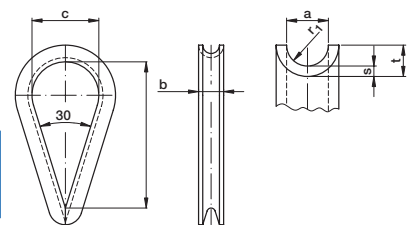


materijal [material]: čelik DIN 17100, vruće pocinčan [steel DIN 17200, hot dip galvanized]

uške

thimbles

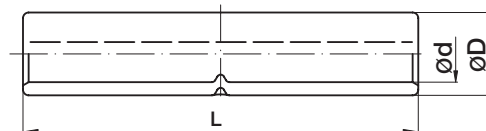
kat. br. [cat. no]	čelična žica [steel wire] Ømax(mm)	dimenzije (mm) [dimensions]								masa [mass] (kg)
		a	b	c	l	r _i	s	t		
			≈		≈	≈		≈		
28.01.80	1,8	2	+0,2	3	8	17,5	1	0,5	2	0,0009
28.02.10	2	2,5	+0,2	3,5	9	19,5	1,25	0,5	2,5	0,0012
28.02.50	2,5	3	+0,2	4	10	21,5	1,5	0,5	2,5	0,0015
28.03.10	3	3,5	+0,3	5	11	23,5	1,75	0,75	3	0,0029
28.03.50	3,5	4	+0,3	5,5	12	26,5	2	0,75	3	0,0035
28.04.10	4	5	+0,3	6,5	13	28,5	2,5	0,75	3,5	0,0043
28.05.10	5	6	+0,3	8	14	30	3	1	4	0,0069
28.06.10	6	7	+0,3	9	15	33	3,5	1	4,5	0,0080
28.07.10	7	8	+0,3	10	16	35	4	1	5	0,0101
28.08.10	8	9	+0,4	11,5	18	39	4,5	1,25	5,5	0,0160
28.09.10	9	10	+0,4	10,5	20	43	5	1,25	6	0,0198
28.10.10	10	11	+0,4	14	22	47,5	5,5	1,5	7	0,0295
28.11.10	11	12	+0,4	15	24	51,5	6	1,5	8	0,0357
28.12.10	12	13	+0,4	16,5	26	56,5	6,5	1,75	9	0,0494
28.13.10	13	14	+0,5	18	28	61	7	2	10	0,0701
28.15.10	15	16	+0,5	21	32	69,5	8	2,5	11	0,1100
28.16.10	16	18	+0,5	24	35	78	9	3	12	0,1680
28.18.10	18	20	+0,5	27	40	86,5	10	3,5	14	0,2440
28.20.10	20	22	+0,5	30	44	95	11	4	16	0,3440



materijal [material]: čelični lim DIN 17100, vruće pocinčan [steel plate DIN 17200, hot dip galvanized]

kompresijske spojnice za Al vodiče istog presjeka (bez mehaničkog opterećenja)

compression joints for Al conductors same cross section
(without mechanical load)

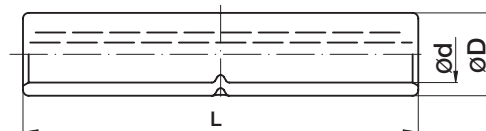


kat. br. [cat. no]	presjek vodiča [conductor cross-section] (mm²)	dimenzije (mm) [dimensions]			broj uprešaka [number compression] n+n	masa [mass] (kg/100)
		ØD	Ød	L		
55.40.05	16	12	5,6	55	3+3	1,4
55.40.07	25	12	6,8	70	3+3	1,5
55.41.08	35	14	8	85	4+4	2,4
55.42.10	50	16	10	85	4+4	2,8
55.43.11	70(71,5)	18	11,5	105	5+5	4,3
55.45.13	95	22	13,5	105	5+5	6,7
55.45.15	120	22	15	105	5+5	5,8
55.46.16	150	26	16,5	125	6+6	10,7
55.47.18	185	28	18,5	125	6+6	11,7
55.48.21	240	32	21,5	145	7+7	17,3

materijal [material]: Al-legura DIN 1725 [Al-alloy DIN 1725]

kompresijske spojnice za Al vodiče istog presjeka (s mehaničkog opterećenja)

compression joints for Al conductors same cross section
(with mechanical load)

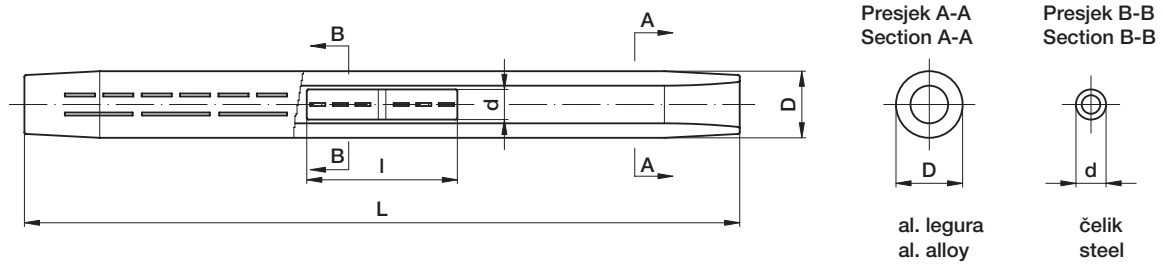


kat. br. [cat. no]	presjek vodiča [conductor cross-section] (mm²)	dimenzije (mm) [dimensions]			broj uprešaka [number compression] n+n	masa [mass] (kg/100)
		ØD	Ød	L		
55.60.05	16	12	5,6	140	5+5	3,7
55.60.06	25	12	6,8	140	5+5	3,4
55.61.08	35	14	8,0	140	5+5	4,7
55.62.10	50	16	10,0	155	6+6	5,9
55.63.11	70	18	11,5	165	6+6	9,0
55.65.13	95	22	13,5	165	6+6	14,2
55.73.11	71,5	18	11,5	165	6+6	9,0
55.65.15	120	22	15	250	12+12/10+10	13,7
55.66.17	150	26	17	300	7+7/3+3	24,6
55.67.18	185	28	18,5	330	7+7/3+3	30,1
55.69.21	240	34	21,5	350	7+7/3+3	51,5
55.69.24A	300	38	23,7	400	8+8/4+4	74,8

materijal [material]: Al-legura DIN 1725 [Al-alloy DIN 1725]

kompresijske nastavne spojnice

compression midspan joints

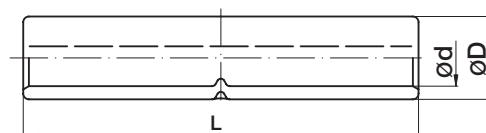


kat. br. [cat. no]	presjek vodiča (mm ²) [conductor cross-section] naziv vodiča [code name]	promjer vodiča [overall diameter] Ø (mm)	L	dimenzije (mm) [dimensions] I ØD Ød	broj uprešaka al.legl. cijevi [number compres- sion al. alloy part] n+n	broj uprešaka čel. uloška [number com- pression steel part] n+n	masa [mass] (kg)
55.40.29	25/4	6,8	220	70 12 6	8+8/4+4	4+4	6,4
55.41.29	35/6	8,1	245	75 14 6	9+9/5+5	5+5	9,1
55.42.29	50/8	9,6	280	90 16 7	9+9/5+5	6+6	13,3
55.43.29	70/12	11,7	330	100 18 9	12+12/6+6	6+6	21,1
55.51.29	95/15	13,6	330	100 22 9	12+12/6+6	6+6	31,5
55.52.29.1	120/20	15,5	390	120 26 13	6+6/2+2	-	41,6
55.52.29.2	125/30	16,1	410	150 26 15	7+7/2+2	-	47,2
55.52.29.3	150/25	17,1	410	120 26 13	7+7/2+2	-	37,5
55.53.29.1	185/30	19,0	525	150 30 15	7+7/2+2	-	63,9
55.54.29.1	210/35	20,3	510	150 34 15	7+7/3+3	-	89,4
55.54.29.2	210/50	21,0	540	180 34 17	7+7/3+3	-	95,8
55.54.29.3	240/40	21,9	570	165 34 15	7+7/3+3	-	87,9
55.55.29.1	265/35	22,4	600	150 38 15	7+7/3+3	-	124,8
55.55.29.2	300/50	24,5	630	180 38 17	7+7/3+3	-	124,0
55.55.29.3	305/40	24,1	630	165 38 15	7+7/3+3	-	119,0
55.55.29.4	340/30	25,0	630	150 38 15	7+7/3+3	-	99,1
55.56.29.1	380/50	27,0	680	180 42 17	7+7/4+4	-	158,6
55.56.29.2	385/35	26,7	680	150 42 15	7+7/4+4	-	155,7
55.57.29.1	435/55	28,8	740	200 46 19	6+6/4+4	-	222,3
55.57.29.2	450/40	28,7	740	165 46 15	6+6/4+4	-	205,7
55.58.29.1	490/65	30,6	780	240 50 21	6+6/4+4	-	290,6

materijal [material]: Al-legura DIN 1725 [Al-alloy DIN 1725]

kompresijske spojnice za Cu vodiče istog presjeka (bez mehaničkog opterećenja)

compression joints for Cu conductors same cross section
(without mechanical load)

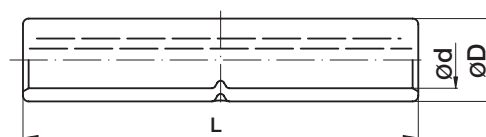


kat. br. [cat. no]	presjek vodiča [conductor cross-section] (mm²)	dimenzije (mm) [dimensions]			broj uprešaka [number compression] n+n	masa [mass] (kg/100)
		ØD	Ød	L		
56.060.038B	6	6	3,8	20	1+1	0,30
56.060.045B	10	6	4,5	25	1+1	0,27
56.080.055B	16	8	5,5	50	2+2	1,17
56.100.070B	25	10	7	50	2+2	1,76
56.120.082B	35	12	8,2	50	2+2	2,65
56.140.100B	50	14	10	55	3+3	3,65
56.160.115B	70	16	11,5	55	3+3	4,70
56.180.135B	95	18	13,5	70	4+4	6,86
56.200.150B	120	20	15	70	4+4	8,47
56.220.170B	150	22	17	80	5+5	14,72
56.250.185B	185	25	18,5	85	5+5	10,78
56.280.215B	240	28	21,5	90	5+5	20,02
56.320.235B	300	32	23,5	100	5+5	32,61
56.380.275B	400	38	27,5	150	7+7	71,30
56.420.310B	500	42	31	160	8+8	88,80

materijal [material]: Cu-legura DIN 1725 [Cu-alloy DIN 1725]

kompresijske spojnice za Cu vodiče istog presjeka (bez mehaničkog opterećenja)

compression joints for Cu conductors same cross section
(without mechanical load)

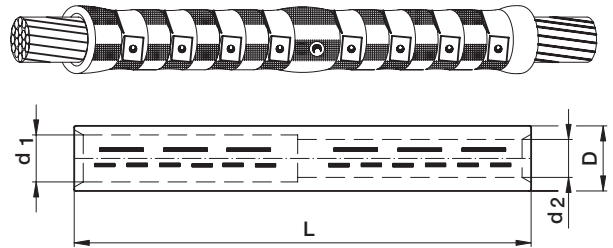


kat. br. [cat. no]	presjek vodiča [conductor cross-section] (mm²)	dimenzije (mm) [dimensions]			broj uprešaka [number compression] n+n	masa [mass] (kg/100)
		ØD	Ød	L		
56.060.038C	6	6	3,8	65	4+4	0,98
56.080.045C	10	8	4,5	80	4+4	2,42
56.080.055C	16	8	5,5	80	4+4	1,87
56.100.070C	25	10	7	80	4+4	2,82
56.120.082C	35	12	8,2	95	5+5	5,04
56.140.100C	50	14	10	95	5+5	6,30
56.160.115C	70	16	11,5	95	5+5	8,13
56.200.135C	95	20	13,5	145	8+8/ 4+4	21,82
56.220.150C	120	22	15	160	8+8/ 4+4	28,64
56.250.170C	150	25	17	160	8+8/ 4+4	37,16
56.300.185C	185	30	18,5	260	5+5	100,23
56.340.215C	240	34	21,5	310	6+6	148,64
56.380.235C	300	38	23,5	360	7+7	221,88

materijal [material]: Cu-legura DIN 1725 [Cu-alloy DIN 1725]

al. reducir kompresione spojnice

al. compression reduction sleeves



kat. br. [cat. no]	presjek vodiča [conductor cross-section] (mm ²)		dimenzije [dimensions] (mm)				broj uprešaka [number of compressions] n+n	izolaciona cjevčica [insulated tube] l (mm)	masa [mass] (kg/100)
			D	d1	d2	L			
55.20.04	16	10	12	5,5	4,5	55	2+2	150	1,8
55.20.05	25	16	12	6,8	5,6	70	3+3	150	1,5
55.21.06	35	16	14	8	5,6	85	4+4	150	2,6
55.21.07	35	25	14	8	6,8	85	4+4	150	2,4
55.22.05	50	16	16	10	5,6	85	4+4	150	4,1
55.22.06	50	25	16	10	6,8	85	4+4	150	3,9
55.22.08	50	35	16	10	8	85	4+4	150	3,7
55.23.06	70	25	18	11,5	6,8	105	5+5	200	6,3
55.23.08	70	35	18	11,5	8	105	5+5	200	6,0
55.23.09	70	50	18	11,5	10	105	5+5	200	5,8
55.25.08	95	25	22	13,5	6,8	105	5+5	200	9,8
55.25.09	95	35	22	13,5	8	105	5+5	200	9,6
55.25.11	95	50	22	13,5	10	105	5+5	200	9,3
55.25.13	95	70(71,5)	22	13,5	11,5	105	5+5	200	9,1
55.25.08.2	120	35	22	15	8	105	5+5	200	9,8
55.25.09.2	120	50	22	15	10	105	5+5	200	9,6
55.25.11.2	120	70(71,5)	22	15	11,5	105	5+5	200	9,3
55.25.13.2	120	95	22	15	13,5	105	5+5	200	9,1
55.26.11	150	50	25	16,5	10	125	6+6	200	12,6
55.26.13	150	70(71,5)	25	16,5	11,5	125	6+6	200	12,4
55.26.14	150	95	25	16,5	13,5	125	6+6	200	12,2
55.26.15	150	120	25	16,5	15	125	6+6	200	12,0
55.27.11	185	70(71,5)	28	18,5	11,5	125	6+6	200	16,5
55.27.13	185	95	28	18,5	13,5	125	6+6	200	16,3
55.27.15	185	120	28	18,5	15	125	6+6	200	16,2
55.27.16	185	150	28	18,5	16,5	125	6+6	200	16,0

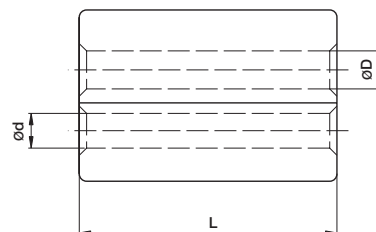
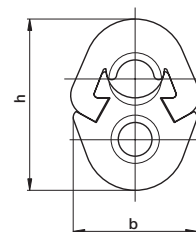
materijal [material]: Al-legura DIN 1725 [Al-alloy DIN 1725]

kompresione odvojne spojnice

compression branch joints

kat. br. [cat. no]	presjek vodiča (mm ²) [conductor cross-section]		dimenzije (mm) [dimensions]			broj uprešaka [number of compressions]		masa [mass] (kg)
	prolaz[main]	odvojak[branch]	b	h	L	Ød	ØD	
77.70.03		2,5				2,2		1,885
77.70.04		4				2,5		1,880
77.70.06	16	6	17,5	23,5	25	3,2	5,2	1,850
77.70.10		10				4,5		1,800
77.70.16		16				5,6		1,740
77.71.03		2,5			25	2,2		1,850
77.71.04		4			25	2,5		1,840
77.71.06		6			25	3,2		1,820
77.71.10	25	10	17,5	23,5	25	4,5	6,4	1,770
77.71.16		16			25	5,6		1,630
77.71.25		25			35	6,8		2,280
77.72.06		6			25	3,2		2,100
77.72.10		10			25	4,5		2,000
77.72.16	35	16	17,5	23,5	25	5,6		1,900
77.72.25		25			35	6,8		2,800
77.72.35		35			35	8,0		2,600
77.73.03		2,5			25	2,2		3,150
77.73.04		4			25	2,5		3,140
77.73.06		6			25	3,2		3,120
77.73.10	50	10	23	31	25	4,5	9,5	3,080
77.73.16		16			25	5,6		3,000
77.73.25		25			35	6,8		4,100
77.73.35		35			35	8,0		3,960
77.73.50		50			50	10,0		5,300
77.74.03		2,5			25	2,2		3,375
77.74.04		4			25	2,5		3,365
77.74.06		6			25	3,2		3,345
77.74.10		10			25	4,5		3,290
77.74.16	70	16	25,5	34	25	5,6	11	3,230
77.74.25		25			35	6,8		4,440
77.74.35		35			35	8,0		4,310
77.74.50		50			50	10,0		5,780
77.74.70		70			50	11,5		5,430

materijal [material]: Al-legura DIN 1725 [Al-alloy DIN 1725]



1

1a

2

2a

3

3a

4

5

5a

6

6a

6b

7

8

9

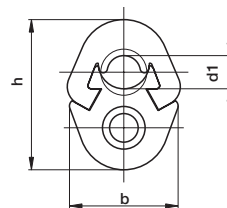
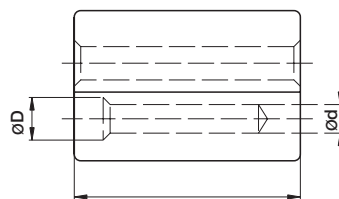
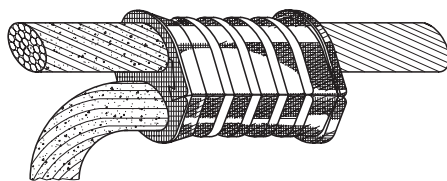
10

11

12

kompresione odvojne spojnice

compression branch joints



kat. br. [cat. no]	presjek vodiča (mm²) [conductor cross-section]		dimenzije (mm) [dimensions]			broj uprešaka [number of compressions]			masa [mass] (kg)
	prolaz[main]	odvojak[branch]	b	h	L	Ød	ØD	Ød₁	
77.80.02		1,5				3	1,6		1,90
77.80.03		2,5				3,5	2,2		1,88
77.80.04	16	4	17,5	23,5	25	4,2	2,5	5,2	1,87
77.80.06		6				5,2	3,2		1,85
77.80.10		10				6,5	4,5		1,80
77.80.16		16				7,6	5,6		1,74
77.81.02		1,5				3	1,6		1,86
77.81.03		2,5				3,5	2,2		1,85
77.81.04	25	4	17,5	23,5	25	4,2	2,5	8	1,84
77.81.06		6				5,2	3,2		1,82
77.81.10		10				6,5	4,5		1,76
77.81.16		16				7,6	5,6		1,70
77.82.02		1,5				3	1,6		1,785
77.82.03		2,5				3,5	2,2		1,770
77.82.04		4				4,2	2,5		1,760
77.82.06	35	6	17,5	23,5	25	5,2	3,2	8	1,740
77.82.10		10				6,5	4,5		1,680
77.82.16		16				7,6	5,6		1,620
77.82.25		25			35	9,5	6,8		2,260
77.83.02		1,5				3	1,6		3,165
77.83.03		2,5				3,5	2,2		3,140
77.83.04		4				4,2	2,5		3,120
77.83.06	50	6	23	31	25	5,2	3,2	9,5	3,075
77.83.10		10				6,5	4,5		3,070
77.83.16		16				7,6	5,6		3,000
77.83.25		25			35	9,5	6,8		4,200
77.83.35		35				11	8		4,100
77.84.02		1,5				3	1,6		3,370
77.84.03		2,5				3,5	2,2		3,360
77.84.04		4				4,2	2,5		3,340
77.84.06		6				5,2	3,2		3,285
77.84.10	70	10	25,5	34	25	6,5	4,5	11	3,225
77.84.16		16				7,6	5,6		3,255
77.84.25		25			35	9,5	6,8		4,305
77.84.35		35			35	11	8		4,445
77.84.50		50			50	13	10		5,450

materijal [material]: Al-legura DIN 1725 [Al-alloy DIN 1725]

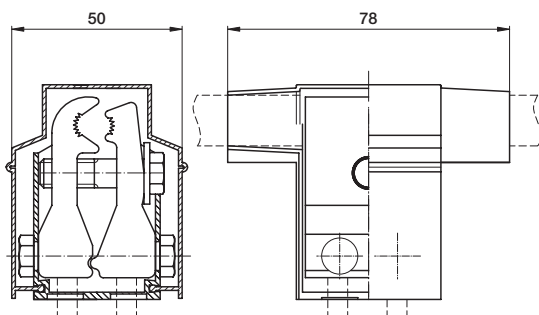
izolirane strujne stezaljke

insulated power clamps

vijčane stezaljke [bolted type clamp]: 1 - 4 odvijka [tap-offs]

kat. br. [cat. no]: 19.77.10

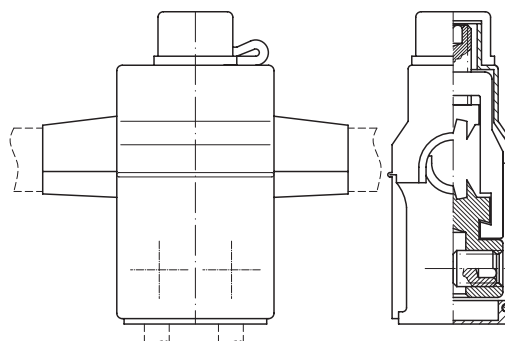
masa [mass]: 0,14 kg

za vodiče [for conductors]: 35 - 70/16 mm²

vijčane stezaljke [bolted type clamp]: 1 - 2 odvijka [tap-offs]

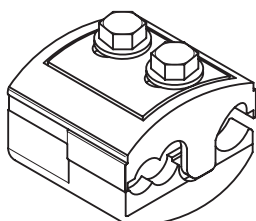
kat. br. [cat. no]: 77.60.10

masa [mass]: 0,15 kg

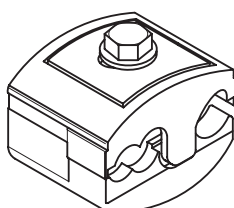
za vodiče [for conductors]: 35 - 70/16 mm²

vijčane stezaljke, 1 i 2 odvojka

bolted type clamps, 1 and 2 tap offs



sl. 1

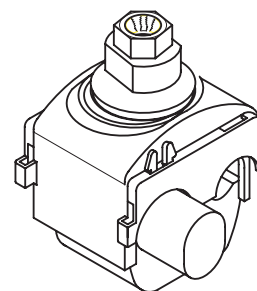


sl. 2

kat. br. [cat. no]		prolazni vodič [main conductor] (mm ²)	odvojni vodič [branch conductor] (mm ²)	moment zatezanja [torque] (Nm)	masa [mass] (kg)
77.60.06	sl.1	25-95	1,5-6	15	0,16
77.60.07.40	sl.1	6-50	4-25	15	0,16
		16-70	6-35	15	
77.60.04.30	sl.2	35-95	6-70	15	0,38

vijčane stezaljke s otkidajućom glavom, 1 odvojak

bolted type clamps, 1 tap offs



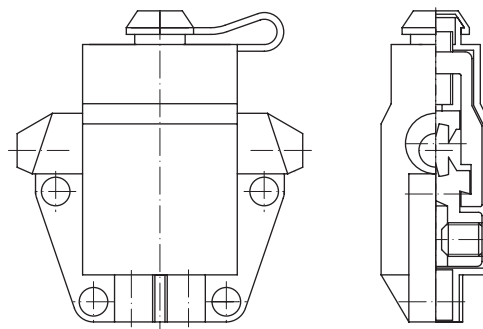
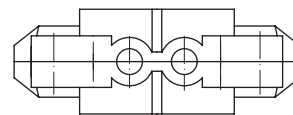
kat. br. [cat. no]		prolazni vodič [main conductor] (mm ²)	odvojni vodič [branch conductor] (mm ²)	moment zatezanja [torque] (Nm)	masa [mass] (kg)
77.60.06 B		25-95	4-35	1XM8	0,18
77.60.06 C		25-95	25-95	1XM10	0,20

vijčane stezaljke - 2 odvojka

bolted type clamp - 2 tap - offs

kat. br. [cat. no]	prolazni vodič [main conductor] (mm ²)	odvojni vodič [branch conductor] (mm ²)	masa [mass] (kg)
77.60.10 A	70	2X16	0,20
77.60.10 B	70	2X35	0,20

materijal [material]: pvc

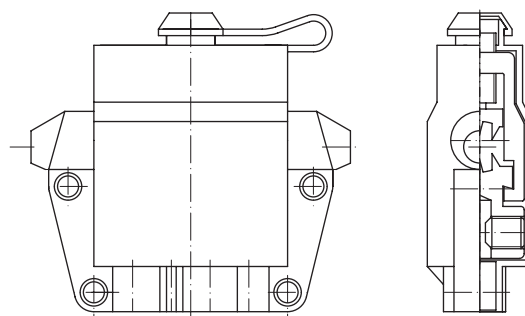
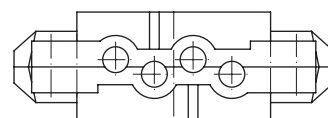


vijčane stezaljke - 4 odvojka

bolted type clamp - 4 tap - offs

kat. br. [cat. no]	prolazni vodič [main conductor] (mm ²)	odvojni vodič [branch conductor] (mm ²)	masa [mass] (kg)
77.60.10 c	70	4x16	0,25
77.60.10 d	70	4x35	0,25

materijal [material]: pvc

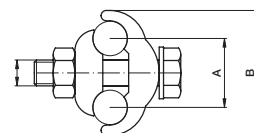
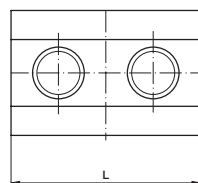


Al - odcjepna vijčana stezaljka (sa i bez potisne ploče)

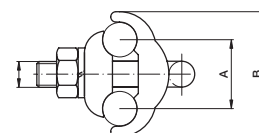
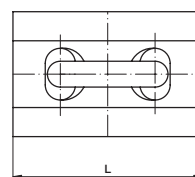
Al - connector (with and without press plate)

materijal [material]:

tijelo i poklopac [body and cover]: Al-legura [Al-alloy]
 potisnuta ploča, vijak [press plate, bolt]: čelik, vruće pocinčano
 [steel, hot dip galvanized]



kat. br. [cat. no]	presjek vodiča [conductor cross-section] (mm ²)	promjer vodiča [conductor diameter] Ø (mm)	dimenzije [dimensions] (mm)			dimenzije vijka [dimensions of bolt]	masa [mass] (kg)
			A	B	L		
77.07.20.20	4-35	3-8	16	29	44	M6 X 30	7,000
77.07.30.20	6-50	3,1-9,6	19	34	44	M8 X 35	10,00
77.07.14	10-95/16-120	4,05-12,5/5,1-14	23	45	50	M8 X 45	14,20



kat. br. [cat. no]	presjek vodiča [conductor cross-section] (mm ²)	promjer vodiča [conductor diameter] Ø (mm)	dimenzije U vijka [bolt dimensions] (mm)	dimenzije [dimensions] (mm)			masa [mass] (kg)
				A	B	L	
77.07.20.20 A	4-35	3-8	M6X22/30	16	29	44	7,000
77.07.30.20 A	6-50	3,1-9,6	M8X22/35	19	34	44	10,00
77.07.14 A	10-95/16-120	4,05-12,5/5,1-14	M8X25/45	23	45	50	14,20

spojna oprema za spajanje golih i izoliranih vodiča

1

1a

2

2a

3

3a

4

5

5a

6

6a

6b

7

8

9

10

11

12

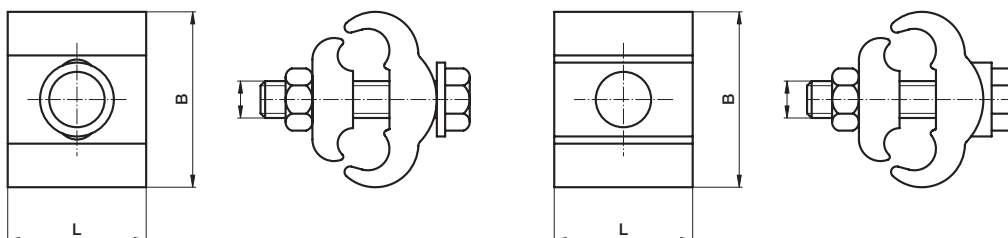
Cu - odcjepna vijčana stezaljka (sa i bez potisne ploče)

Cu - connector (with and without press plate)

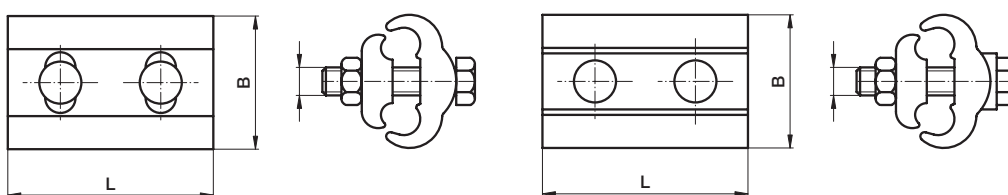
materijal [material]:

tijelo i poklopac [body and cover]: Cu-legura [Cu-alloy]

potisnuta ploča, vijak [press plate, bolt]: čelik, vruće pocinčano [steel, hot dip galvanized]



kat. br. [cat. no]	presjek vodiča [conductor cross-section] (mm ²)	promjer vodiča [conductor diameter] Ø (mm)	dimenzije [dimensions] (mm)		dimenzije vijka [dimensions of bolt]	masa [mass] (kg/100)
			B	L		
77.09.10	2,5-16	1,8-5,1	20,0	16	M5X25	3,00
77.10.10	4-25	2,7-6,3	28,0	20	M7X30	6,10
77.10.20	6-35	3-7,5	33,0	20	M7X35	8,00
77.10.30	6-50	3-9	33,0	22	M8X35	10,0
77.10.40	6-70	3-10,5	36,7	24	M8X40	11,8
77.10.50	10-95	4,05-12,5	45,0	31	M10X50	19,6



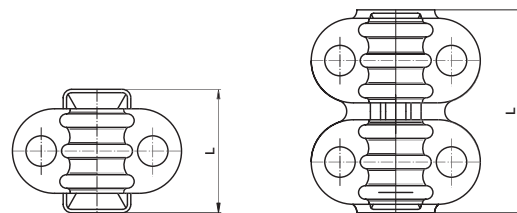
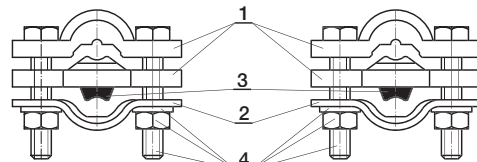
kat. br. [cat. no]	presjek vodiča [conductor cross-section] (mm ²)	promjer vodiča [conductor diameter] Ø (mm)	dimenzije [dimensions] (mm)		dimenzije vijka [dimensions of bolt] promj.x dužina [diam.x length]	masa [mass] (kg/100)
			B	L		
77.09.10.20	2,5-16	1,8-5,1	20,0	24	M5X25	4,30
77.10.10.20	4-25	2,7-6,3	25,3	30	M7X25	8,00
77.10.20.20	6-35	3-7,5	28,0	32	M7X35	9,90
77.10.30.20	6-50	3-9	33,0	35	M8X35	14,8
77.10.50.20	6-70	3-10,5	36,7	38	M8X40	19,2
77.10.60.20	10-95	4,05-12,5	41,6	42	M8X45	24,4
77.10.70.20	16-150	5,10-15,7	51,0	50	M10X50	45,0
77.10.80.20	16-185	5,10-17,5	54,0	50	M10X55	46,0

Al - Cu odcjepne stezaljke

Al - Cu connector

materijal [material]:

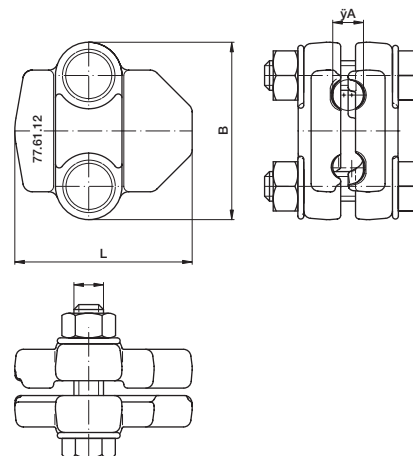
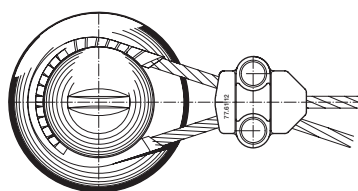
1. tijelo stezaljke [clamp body]: Al - legura DIN 1725 [Al - alloy DIN 1725]
2. tijelo stezaljke [clamp body]: Cu - legura DIN 1705 [Cu - alloy DIN 1705]
3. uložak [insert]: Cu - legura DIN 1705 [Cu - alloy DIN 1705]
4. vijak, matica i podliška [bolt, nut and washer]: čelik, vruće pocinčano [steel, hot dip galvanized]



kat. br. [cat. no]	nazivni presjek vodiča [conductor cross-section]		promjer vodiča [conductor diameter] Ø (mm)	vijak [bolt] (mm)	dimenzije [dimensions] L (mm)	moment pritezanja vijka [bolt torque] (Nm)	masa [mass] (kg/100)
	Al (mm²)	Cu					
77.06.08 A	6-35	6-35	2,7-7,5	2XM6	30	5,2	0,06
77.06.11 A	16-70	16-70	5,10-11,7	4XM6	60	5,2	0,12
77.06.12 A	25-150	25-150	6,3-15,75	4XM8	80	12,8	0,30

završne stezaljke za Al-fe vodič

dead-end connectors for Al and ACSR conductor



kat. br. [cat. no]	nazivni presjek (mm²) [cross-section] Al Al/Fe [ACSR]	promjer [conductor] ØA (mm)	dimenzije [dimensions] (mm) L B		vijak [bolt] M (mm)	moment pritezanja vijka [bolt torque] (Nm)	masa [mass] (kg/100)
77.61.12	25-35	6,3-8,1	48	48	2XM8X35	16	12,0
77.62.12	50-70	9,0-9,6	60	64	2XM10X50	32	21,3
77.63.12	95-120	12,5-14,0	75	78	2XM12X65	56	34,8

materijal [material]: Al-legura DIN 1725 [Al-alloy DIN 1725]

vijci [bolts]: nehrđajući čelik DIN A2-80 [stainless steel DIN A2-80]

završne stezaljke za Cu vodič

dead-end connectors for Cu conductor

kat. br. [cat. no]	nazivni presjek [cross-section] Cu (mm²)	promjer [conductor] ØA (mm)	dimenzije [dimensions] (mm)		vijak [bolt] M (mm)	moment pritezanja vijka [bolt torque] (Nm)	masa [mass] (kg/100)
			L	B			
77.61.12.20	25-35	6,3-8,1	48	48	2XM8X35	16	19,5
77.62.12.20	50-70	9,0-9,6	60	64	2XM10X50	32	39,4
77.63.12.20	95-120	12,5-14,0	70	78	2XM12X65	56	65,0

materijal [material]: Cu-legura DIN 1725 [Cu-alloy DIN 1725]

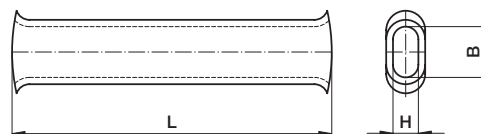
vijci [bolts]: nehrđajući čelik DIN A2-80 [stainless steel DIN A2-80]

Al - ovalne kompresijske kableske spojnice

Al - oval compression cable joints

kat. br. [cat. no]	presjek vodiča [conductor cross-section] (mm ²)	dimenzije [dimensions] (mm)			broj uprešaka [number of compression]	masa [mass] (kg/100)
		B	H	L		
55.016.5 PO	2X16	11,2	5,6	98	6	1,40
55.025.5 PO	2X25	14	7	112	6	2,00
55.035.5 PO	2X35	16	8	126	6	2,40
55.050.5 PO	2X50	19,5	10	180	8	4,20
55.070.5 PO	2X70	22,5	11,5	198	8	5,60
55.095.5 PO	2X95	26,5	13,5	264	10	10,90
55.120.5 PO	2X120	30,0	15	286	10	13,50

materijal [material]: Al 99,5

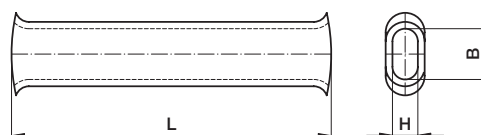


Cu - ovalne kompresijske kableske spojnice

Cu - oval compression cable joints

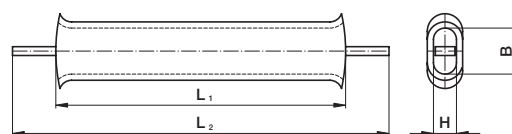
kat. br. [cat. no]	presjek vodiča [conductor cross-section] (mm ²)	dimenzije [dimensions] (mm)			broj uprešaka [number of compression]	masa [mass] (kg/100)
		B	H	L		
55.010 PO	2X10	9	4,5	63	6	1,50
55.016 PO	2X16	11,2	5,6	98	6	4,60
55.025 PO	2X25	14	7	112	6	6,10
55.035 PO	2X35	16	8	126	6	7,50
55.050 PO	2X50	19,5	10	180	8	13,00
55.070 PO	2X70	22,5	11,5	198	8	16,40
55.095 PO	2X95	26,5	13,5	264	10	36,20
55.120 PO	2X120	30,0	15	286	10	43,40

materijal [material]: ECu

Al - ovalne kompresione kableske spojnice
za ACSR vodičeAl - oval compression cable joints
for ACSR conductors

kat. br. [cat. no]	presjek vodiča [conductor cross-section] (mm ²)	dimenzije [dimensions] (mm)				broj uprešaka [number of compression]	masa [mass] (kg/100)
		B	H	L ₁	L ₂		
55.025.2 PO	25/4	16,5	7,5	274	290	14	6,3
55.035.2 PO	35/6	19,0	9,0	310	325	14	10,4
55.050.2 PO	50/8	22,0	10,5	384	405	16	14,4
55.070.2 PO	70/12	26,0	13,0	468	490	16	25,5
55.095.2 PO	95/15	31,0	15,0	658	685	20	44,5
55.120.2 PO	120/20 125/30	35,5	17,0	880	910	24	68,0
55.150.2 PO	150/25	39,0	19,0	909	945	24	90,0

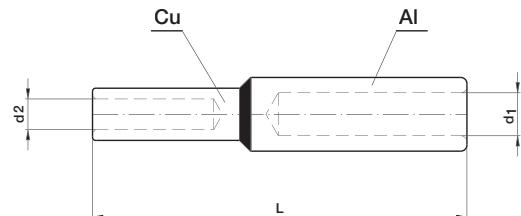
materijal [material]: Al 99,5



Al - Cu kompresione spojnice

Al - Cu compression joints

materijal [material]: Al 99,5
ECu

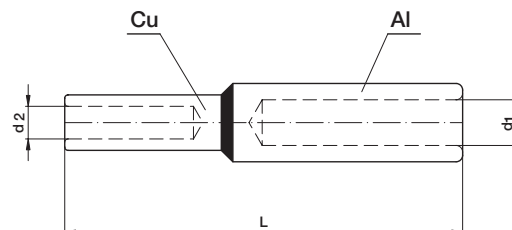


kat. br. [cat. no]	presjek vodiča [conductor cross-section]	presjek vodiča [conductor cross-section]	promjer cijevi [tube diameter] (mm)		dimenzije [dimensions] (mm)		L	masa [mass] (kg/100)
	Al (mm²)	Cu (mm²)	Al	Cu	A1/d1	Cu/d2		
55.30.045 C		10/4,1		6		4,5		1,40
55.30.055 C	25/6,3	16/5,1	12	8	6,8	5,5	72	1,65
55.30.070 C		25/6,3		10		7		1,90
55.30.082 C		35/7,5		12		8,2		2,70
55.31.045 C		10/4,1		6		4,5		2,20
55.31.055 C		16/5,1		8		5,5		2,50
55.31.070 C	35/7,5	25/6,3	14	10	8	7	80	2,65
55.31.082 C		35/7,5		12		8,2		3,30
55.31.100 C		50/9,0		14		10	83	3,50

Al - Cu kompresione spojnice

Al - Cu compression joints

materijal [material]: Al 99,5
ECu

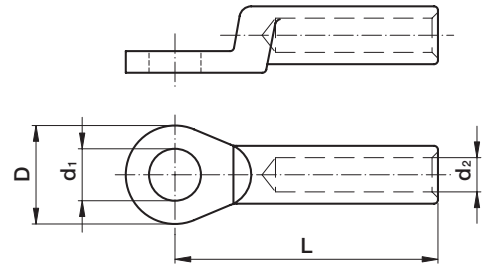


kat. br. [cat. no]	presjek vodiča [conductor cross-section]	presjek vodiča [conductor cross-section]	promjer cijevi [tube diameter] (mm)		dimenzije [dimensions] (mm)			masa [mass] (kg/100)
	Al (mm²)	Cu (mm²)	Al	Cu	A1/d1	Cu/d2	L	
55.32.045 C		10/4,1		6		4,5		2,85
55.32.055 C	50/9,0	16/5,1	16	8	9,8	5,5	82	2,85
55.32.070 C		25/6,3		10		7		3,20
55.32.082 C		35/7,5		12		8,2		3,80
55.32.100 C		50/9,0		14		10		4,55
55.32.115 C		70/10,5		16		11,5	85	4,90
55.33.055 C		16/5,1		8		5,5	91	4,10
55.33.070 C		25/6,3		10		7	91	3,95
55.33.082 C	70/10,5	35/7,5	18	12	11,5	8,2	91	4,90
55.33.100 C		50/9,0		14		10	94	5,70
55.33.115 C		70/10,5		16		11,5	94	7,25
55.33.135 C		95/12,5		18		13,5	101	9,36
55.34.055 C		16/5,1		8		5,5	95	6,15
55.34.070 C		25/6,3		10		7	95	6,30
55.34.082 C		35/7,5		12		8,2	95	6,80
55.34.100 C	95/12,5	50/9,0	22	14	13,5	10	99	8,05
55.34.115 C		70/10,5		16		11,5	99	8,20
55.34.135 C		95/12,5		18		13,5	105	10,35
55.34.155 C		120/14,5		20		15,5	105	11,55
55.35.055 C		16/5,1		8		5,5	98	7,10
55.35.068 C		25/6,3		10		7,0	98	7,30
55.35.082 C		35/7,5		12		8,2	98	7,60
55.35.100 C	120/14,0	50/9,0	22	14	15,0	10	98	7,90
55.35.115 C		70/10,5		16		11,5	98	8,50
55.35.135 C		95/12,5		18		13,5	106	11,00
55.35.155 C		120/14,0		20		15,5	106	11,90
55.36.055 C		16/5,1		8		5,5	113	7,80
55.36.068 C		25/6,3		10		6,8	113	8,00
55.36.082 C		35/7,5		12		8,2	113	8,40
55.36.100 C	150/15,7	50/9,0	25	14	16,5	10	113	10,20
55.36.115 C		70/10,5		16		11,5	113	10,35
55.36.135 C		95/12,5		18		13,5	117	12,65
55.36.155 C		120/14,0		20		15,5	117	13,90
55.36.175 C		150/15,7		22		17	123	16,70
55.37.082 C		35/7,5		12		8,2	115	12,10
55.37.100 C		50/9,0		14		10	115	12,10
55.37.115 C		70/10,5		16		11,5	115	13,00
55.37.135 C	185/17,5	95/12,5	28	18	18,5	13,5	119	14,45
55.37.155 C		120/14,0		20		15,5	119	15,85
55.37.170 C		150/15,7		22		17	127	19,55
55.37.190 C		185/17,5		25		19	127	21,00
55.38.100 C		50/9,0		14		10	126	16,50
55.38.115 C		70/10,5		16		11,5	126	18,00
55.38.135 C		95/12,5		18		13,5	126	19,00
55.38.155 C	240/20,2	120/14,0	32	20	21,5	15,5	126	20,50
55.38.170 C		150/15,7		22		17	134	23,30
55.38.190 C		185/17,5		25		19	134	25,50
55.38.215 C		240/20,2		28		21,5	140	30,10
55.39.135 C		95/12,5		18		13,5	138	27,80
55.39.155 C		120/14,0		20		15,5	138	27,80
55.39.170 C		150/15,7		22		17	138	31,10
55.39.190 C	300/22,5	185/17,5	34	25	23,5	19	138	32,70
55.39.215 C		240/20,2		28		21,5	144	37,50
55.39.245 C		300/22,5		32		24,5	150	41,70

Al kompresijske stopice (kovane)

Al compression lugs (forged)

materijal [material]: Al 99,5 lijevan [cast]

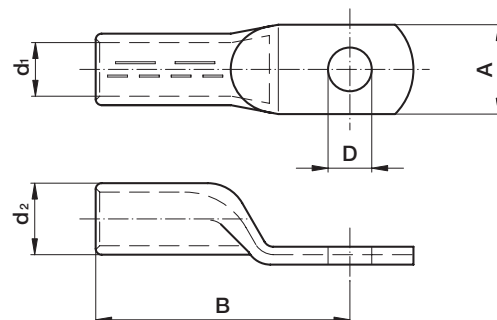


kat. br. [cat. no]	presjek vodiča [conductor cross-section] (mm ²)	promjer vodiča [conductor diameter] (mm)	vijak [bolt]	dimenzije [dimensions] (mm)					broj uprešaka [number of compressions]		masa [mass] (kg/100)
				d ₂	d ₁	D	L	B	meh.[mech.]	hidr.[hydr.]	
74.12.06.2 A	16	5,1	M 8	5,8	8,5	20	50	30	4	2	1,410
74.12.06.3 A			M 10		10,5						1,280
74.12.07.2 A			M 8		8,5	20					1,260
74.12.07.3 A	25	6,3	M 10	6,8	10,5		50	30	4	2	1,320
74.12.07.4 A			M 12		13	25					1,280
74.13.08.2 A			M 8		8,5						2,140
74.13.08.3 A	35	7,5	M 10	8	10,5	25	62	42	5	3	2,140
74.13.08.4 A			M 12		13						2,140
74.14.10.2 A			M 8		8,5						2,760
74.14.10.3 A	50	9	M 10	9,8	10,5	25	62	42	5	3	2,730
74.14.10.4 A			M 12		13						2,580
74.15.11.2 A			M 8		8,5						3,900
74.15.11.3 A	70	10,5	M 10	11,2	10,5	25	72	52	6	3	3,960
74.15.11.4 A			M 12		13						3,850
74.16.13.2 A			M 10		10,5						5,410
74.16.13.3 A	95	12,5	M 12	13,2	13	25	75	56	6	3	5,320
74.16.13.4 A			M 16		17						5,830
74.16.15.2 A			M 12		10,5						6,720
74.16.15.3 A	120	14	M 12	14,7	13	30	80	56	6	3	6,420
74.16.15.4 A			M 12		17						6,040
74.17.17.2 A			M 10		10,5						8,180
74.17.17.3 A	150	15,8	M 12	16,3	13	30	90	60	6	3	8,300
74.17.17.4 A			M 16		17						8,000
74.17.17.5 A			M 20		21						8,950
74.18.18.2 A			M 10		10,5						11,100
74.18.18.3 A	185	17,5	M 12	18,3	13	30	91	60	6	3	10,700
74.18.18.4 A			M 16		17						10,500
74.18.18.5 A			M 20		21						10,000
74.19.21.2 A			M 10		10,5						16,500
74.19.21.3 A	240	20,3	M 12	21	13	38	103	70	8	3	16,650
74.19.21.4 A			M 16		17						16,700
74.19.21.5 A			M 20		21						15,900
74.20.23.2 A			M 12		13						17,350
74.20.23.3 A	300	22,5	M 16	23,3	17	38	103	70	8	3	17,280
74.20.23.4 A			M 20		21						17,240
74.21.27.2 A			M 12		13						26,490
74.21.27.3 A	400	26	M 16	27	17	38	116	73	-	4	26,700
74.21.27.4 A			M 20		21						26,100
74.22.30.2 A			M 12		13						37,950
74.22.30.3 A	500	29,1	M 16	30	17	44	122	79	-	4	37,800
74.22.30.4 A			M 20		21						36,980

Al kompresijske stopice (iz cijevi)

Al compression lugs (from tubes)

materijal [material]: EAl 99,5 DIN 40501

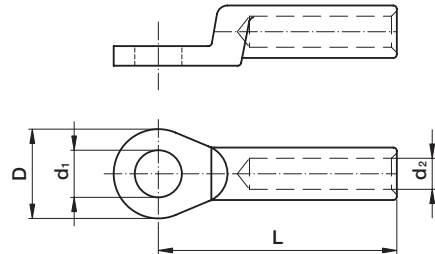


kat. br. [cat. no]	presjek vodiča [conductor cross-section] (mm²)	promjer vodiča [conductor diameter] (mm)	dimenzije [dimensions] (mm)					broj uprešaka [number of compressions]		masa [mass] (kg/100)
			d ₂	d ₁	D	L	B	meh.[mech.]	hydr.[hydr.]	
74.10.045.20	10	4,05	10	4,50	6,5	16	52	3	1	0,0084
74.10.045.30					8,5	18				0,0086
74.10.056.20	16	5,10	12	5,60	8,5	18	52	3	1	0,0135
74.10.056.30					10,5					0,0137
74.11.068.20	25	6,30	12	6,80	8,5	18	58	4	2	0,0140
74.11.068.30					10,5					0,0145
74.12.080.20	35	7,50	14	8,00	10,5	21	72	5	2	0,0205
74.12.080.30					13					0,0204
74.13.100.20	50	9,00	16	10,00	10,5	25	74	5	2	0,0265
74.13.100.30					13					0,0264
74.14.115.20	70	10,50	18	11,50	10,5	28	85	6	3	0,0420
74.14.115.30					13					0,0400
74.15.135.20					10,5					0,074
74.15.135.30	95	12,50	22	13,50	13	32	88	6	3	0,072
74.15.135.40					17					0,070
74.16.150.20	120	14,00	22	15,00	13	32	100	6	3	0,082
74.16.150.30					17					0,080
74.17.165.20					13					0,096
74.17.165.30	150	15,70	25	16,50	17	35	106	6	3	0,094
74.17.165.40					21					0,092
74.18.185.20					13					0,125
74.18.185.30	185	17,50	28	18,50	17	40	110	6	3	0,123
74.18.185.40					21					0,120
74.19.215.20					13					0,185
74.19.215.30	240	20,20	32	21,50	17	45	120	8	3	0,183
74.19.215.40					21					0,180
74.19.245.20	300	22,50	34	24,50	17	48	120	8	3	0,190
74.19.245.30					21	50				0,186
74.19.280.20	400	26,00	38,5	28,00	17	56	150	-	4	0,36
74.19.280.30					21					0,32
74.19.310.20	500	29,10	42	31,00	21	62	165	-	4	0,48

Cu kompresijske stopice (kovane)

Cu compression lugs (forged)

materijal [material]: Cu kovano [Cu forged]

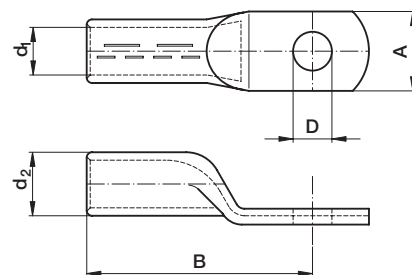


kat. br. [cat. no]	presjek vodiča [conductor cross-section] (mm ²)	promjer vodiča [conductor diameter] (mm)	vijak [bolt]	dimenzije [dimensions] (mm)				broj uprešaka [number of compressions]		masa [mass] (kg/100)
				d ₂	d ₁	D	L	meh.[mech.]	hidr.[hydr.]	
74.30.055.08 A			M 8		8,5					1,80
74.30.055.10 A	16	5,1	M 10	5,5	10,5	20	36	2	1	1,80
74.30.055.12 A			M 12		13,0					1,90
74.31.070.08 A			M 8		8,5	20				2,40
74.31.070.10 A	25	6,3	M 10	7,0	10,5	20	38,5	2	1	2,40
74.31.070.12 A			M 12		13,0	24				2,40
74.32.082.08 A			M 8		8,5	20				3,30
74.32.082.10 A	35	7,5	M 10	8,2	10,5	25	40	2	1	3,30
74.32.082.12 A			M 12		13	25				3,30
74.33.100.08 A			M 8		8,5					4,20
74.33.100.10 A	50	9,0	M 10	10,0	10,5	25	48	3	1	4,20
74.33.100.12 A			M 12		13					4,20
74.34.115.08 A			M 8		8,5	25	49			6,40
74.34.115.10 A	70	10,5	M 10	11,5	10,5	25	49	3	1	6,40
74.34.115.12 A			M 12		13	25	49			6,40
74.34.115.16 A			M 16		17	30	53			6,40
74.35.135.08 A			M 8		8,5	25	56			8,80
74.35.135.10 A	95	12,5	M 10	13,5	10,5	25	56	4	2	8,80
74.35.135.12 A			M 12		13	25	56			8,80
74.35.135.16 A			M 16		17	30	60			8,80
74.36.155.08 A			M 8		8,5	30	62			12,20
74.36.155.10 A	120	14	M 10	15,5	10,5	30	62	4	2	12,20
74.36.155.12 A			M 12		13	30	62			12,20
74.36.155.16 A			M 16		17	30	62			12,20
74.36.155.20 A			M 20		21,0	38	66			12,20
74.37.170.10 A			M 10		10,5	30	63			15,60
74.37.170.12 A	150	15,7	M 12	17,0	13	30	63	4	2	15,60
74.37.170.16 A			M 16		17	30	63			15,60
74.37.170.20 A			M 20		21	38	67			15,40
74.38.190.10 A			M 10		10,5	30	69			19,10
74.38.190.12 A	185	17,5	M 12	19,0	13	30	69	6	3	19,10
74.38.190.16 A			M 16		17	30	69			19,00
74.38.190.20 A			M 20		21	38	73			18,90
74.39.215.10 A			M 10		10,5					22,10
74.39.215.12 A	240	20,2	M 12	21,5	13	38	74		2	22,10
74.39.215.16 A			M 16		17					21,90
74.39.215.20 A			M 20		21					21,80
74.39.245.10 A			M 10		10,5					36,50
74.39.245.12 A	300	22,5	M 12	21,5	13	38	85		2	36,50
74.39.245.16 A			M 16		17					36,50
74.39.245.20 A			M 20		21					36,10
74.39.260.12 A			M 12		13					50,80
74.39.260.16 A	400		M 16	26	17	38	106		3	50,80
74.39.260.20 A			M 20		21					50,40
74.39.290.12 A			M 12		13					77,90
74.39.290.16 A	500		M 16	29	17	44	106		3	77,90
74.39.290.20 A			M 20		21					77,50

Cu kompresijske stopice (iz cijevi)

Cu compression lugs (from tubes)

materijal [material]: ECu DIN 46235



kat. br. [cat. no]	presjek vodiča [conductor cross-section] (mm ²)	promjer vodiča [conductor diameter] (mm)	dimenzije [dimensions] (mm)					broj uprešaka [number of compressions]		masa [mass] (kg/100)
			d2	d1	D	A	B	meh.[mech.]	hidr.[hydr.]	
74.30.038.5					5,5	8,5				0,30
74.30.038.6	6	3,3	5,5	3,8	6,5	8,5	24	2	-	0,30
74.30.038.8					8,5	13				0,30
74.30.045.5					5,5	9				0,37
74.30.045.6	10	4,05	6,0	4,50	6,5	9	27	2	-	0,37
74.30.045.8					8,5	13				0,39
74.30.055.6					6,5	13				1,18
74.30.055.8					8,5	13				1,18
74.30.055.10	16	5,10	8,5	5,5	10,5	17	36	2	-	1,20
74.30.055.12					13	18				1,17
74.31.070.6					6,5	14				1,50
74.31.070.8					8,5	16				1,57
74.31.070.10	25	6,30	10,0	7,0	10,5	17	38	2	1	1,58
74.31.070.12					13	19				1,55
74.31.082.6					6,5	17				2,78
74.31.082.8					8,5	17				2,75
74.31.082.10	35	7,5	12,50	8,2	10,5	19	42	2	1	2,90
74.31.082.12					13,0	21				2,80
74.31.082.14					15,0	21				2,60
74.32.100.8					8,5	20				4,50
74.32.100.10					10,5	22				4,50
74.32.100.12	50	9,0	14,50	10,0	13,0	24	52	3	1	4,45
74.32.100.14					15,0	24				4,00
74.32.100.16					17,0	28				4,00
74.32.115.8					8,5	24				6,10
74.32.115.10					10,5	24				6,15
74.32.115.12	70	10,5	16,50	11,5	13,0	24	55	3	1	6,00
74.32.115.14					15,0	24				5,80
74.32.115.16					17,0	30				5,90
74.33.135.8					8,5	28				9,25
74.33.135.10					10,5	28				9,15
74.33.135.12	95	12,5	19,0	13,0	13,0	28	65	4	2	9,00
74.33.135.14					15,0	28				8,90
74.33.135.16					17,0	32				9,00
74.33.155.10					10,5	34				11,50
74.33.155.12					13,0	32				11,50
74.33.155.14	120	14,0	21,0	15,5	15,0	32	70	4	2	11,40
74.33.155.16					17,0	32				11,30
74.33.155.20					21,0	32				11,10
74.34.170.10					10,5	34				16,50
74.34.170.12					13,0	34				16,30
74.34.170.14	150	15,8	23,5	17,0	15,0	34	78	4	2	16,50
74.34.170.16					17,0	34				16,30
74.34.170.20					21,0	40				16,00
74.34.190.10					10,5	37				18,80
74.34.190.12					13,0	37				19,00
74.34.190.14	185	17,5	25,5	19,0	15,0	37	82	4	2	19,40
74.34.190.16					17,0	37				19,00
74.34.190.20					21,0	40				18,00

Cu kompresijske stopice (iz cijevi) - nastavak

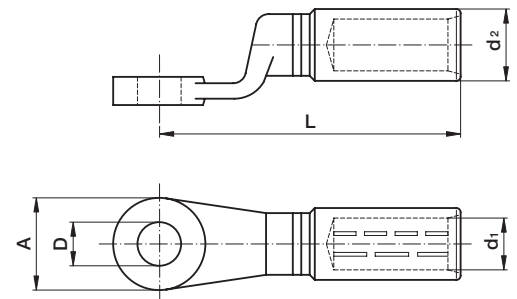
Cu compression lugs (from tubes) - continue

kat. br. [cat. no]	presjek vodiča [conductor cross-section] (mm ²)	promjer vodiča [conductor diameter] (mm)	dimenzije [dimensions] (mm)					broj uprešaka [number of compressions]		masa [mass] (kg/100)
			d ₂	d ₁	D	A	B	meh.[mech.]	hidr.[hydr.]	
74.35.215.12					13,0	42				27,50
74.35.215.14	240	20,3	28,0	21,5	15,0	42	92	-	2	27,60
74.35.215.16					17,0	42				27,40
74.35.215.20					21,0	45				27,00
74.35.245.14					15,0					34,00
74.35.245.16	300	22,5	32,0	24,5	17,0	48	100	-	2	33,50
74.35.245.20					21,0					33,50
74.36.275.14					15,0					67,20
74.36.275.16	400	26,0	38,5	27,5	17,0	55	115	-	3	69,50
74.36.275.20					21,0					66,00
74.35.310.16	500	29,1	42,0	31,0	17,0	60	125	-	3	85,00
74.35.310.20					21,0					82,00

Al - Cu kompresijske stopice (kovane)

Al - Cu compression lugs (forged)

materijal [material]: Al dio EAl 99,5 [Al part EAl 99,5]
Cu dio ECu [Cu part ECu]



kat. br. [cat. no]	presjek vodiča	promjer vodiča	dimenzije [dimensions]					broj uprešaka			masa [mass] (kg/100)
	[conductor cross-section] (mm²)	[conductor diameter] (mm)	d ₂	d ₁	D	A	B	[number of compressions] meh.[mech.]	hidr.[hydr.]		
74.90.060.2A	16	5,1	M8	12	6,0	8,5	25	67,5	4	2	4,40
74.90.060.3A			M10			10,5					4,20
74.91.068.2A			M8			8,5					4,40
74.91.068.3A	25	6,3	M10	12	6,8	10,5	25	67,5	4	2	4,20
74.91.068.4A			M12			13					3,90
74.92.080.2A			M8			8,5					4,40
74.92.080.3A	35	7,5	M10	14	8	10,5	25	76,5	5	2	4,20
74.92.080.4A			M12			13					3,80
74.93.098.2A			M8			8,5					4,40
74.93.098.3A	50	9,0	M10	16	9,8	10,5	25	76,5	5	2	4,20
74.93.098.4A			M12			13					3,90
74.94.112.2A			M10			18					11,2
74.94.112.3A	M12	13	3,90								
74.95.132.2A	M12	10,5	7,40								
74.95.132.3A	95	12,5	M14	22	13,2	13	30	90,5	6	3	6,80
74.95.132.4A			M16			17					6,40
74.95.147.2A			M12			22					14,7
74.95.147.3A	M16	17	6,40								
74.96.163.2A	M12	13	30	104	6,80						
74.96.163.3A	150	15,7	M16	25	16,3	17	35	107,5	6	3	6,40
74.96.163.4A			M20			21					10,10
74.97.183.2A			M10			10,5					10,30
74.97.183.3A	185	17,5	M12	28	18,3	13	30	107,5	6	3	10,10
74.97.183.4A			M16			17					9,30
74.97.183.5A			M20			21					35
74.98.210.2A	240	20,2	M10	32	21	10,5	35	118,5	8	3	12,10
74.98.210.3A			M12			13					11,80
74.98.210.4A			M16			17					11,00
74.98.210.5A			M20			21					10,10

Al - Cu kompresijske stopice (kovane) - nastavak

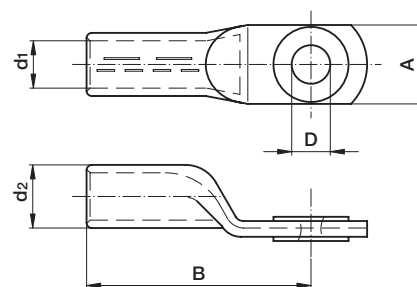
Al - Cu compression lugs (forged) - continue

kat. br. [cat. no]	presjek vodiča	promjer vodiča	dimenzije [dimensions]					broj uprešaka		masa [mass] (kg/100)	
	[conductor cross-section] (mm²)	[conductor diameter] (mm)	d ₂	d ₁	D	A	B	meh.[mech.]	hidr.[hydr.]		
74.99.233.2A			M12			13				17,70	
74.99.233.3A	300	22,5	M16	34	23,3	17	40	123,5	8	3	16,90
74.99.233.4A			M20			21					16,00
74.99.280.2A			M12			13					20,10
74.99.280.3A	400	26,00	M16	42	28	17	45	125	8	3	19,20
74.99.280.4A			M20			21					19,00

Al - Cu kompresijske stopice (iz cijevi)

Al - Cu compression lugs (from tubes)

materijal [material]: Al dio EAI 99,5 [Al part EAI 99,5]
Cu dio ECU [Cu part ECU]



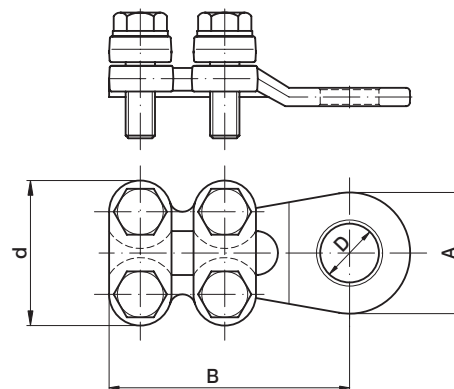
kat. br. [cat. no]	presjek vodiča	promjer vodiča	dimenzije [dimensions]					broj uprešaka		masa [mass] (kg/100)
	[conductor cross-section] (mm²)	[conductor diameter] (mm)	d ₂	d ₁	D	A	B	[number of compressions] meh.[mech.]	hidr.[hydr.]	
74.90.045.20	10	4,10	10	4,50	6,5	18	52	3	1	1,15
74.90.045.30					8,5 23					1,25
74.90.056.20	16	5,10	12	5,60	8,5	23	52	3	1	1,90
74.90.056.30					10,5					2,05
74.91.068.20					8,5					1,90
74.91.068.30	25	6,30	12	6,80	10,5	23	58	4	2	2,05
74.92.080.20					10,5	26				3,20
74.92.080.30	35	7,50	14	8,00	13	29	72	5	2	3,00
74.93.100.20					10,5	27				3,50
74.93.100.30	50	9,00	16	10,00	13	30	74	5	2	3,30
74.94.115.20					10,5	29				5,50
74.94.115.30	70	10,50	18	11,50	13	32	85	6	3	5,20
74.95.135.20					10,5	32				10,50
74.95.135.30	95	12,50	22	13,50	13	35	88	6	3	10,00
74.95.135.40					17	38				9,50
74.96.150.20	120	14,00	22	15,00	13	35	100	6	3	11,00
74.96.150.30					17	38				10,00
74.97.165.20					13	35				13,00
74.97.165.30	150	15,70	25	16,50	17	41	106	6	3	12,50
74.97.165.40					21	43				12,00
74.98.185.20					13	40				15,50
74.98.185.30	185	17,50	28	18,50	17	42	110	6	3	15,00
74.98.185.40					21	45				16,50
74.99.215.20					13	45				22,50
74.99.215.30	240	20,20	32	21,50	17		120	8	3	22,00
74.99.215.40					21	48				24,50
74.99.245.20					17					25,00
74.99.245.30	300	22,50	34	24,50	21	48	120	8	3	24,50
74.99.260.30					17			-		37,40
74.99.245.30	400	26,00	38	26,00	21	58	165	-	4	37,90

vijčane kabliske stopice

serrated cable lugs

materijal [material]: ECu

kat. br. [cat. no]	presjek vodiča [conductor cross-section] (mm ²)	promjer vodiča [conductor diameter] (mm)	dimenzije [dimensions] (mm)			
			d	D	A	B
74.50.10.2A	10	3,5	18	6,5	16	25
74.50.20.2A				8,5		
74.50.10.2	16	5,1	21	6,5	18	28
74.50.20.2				8,5		
74.51.20.2	25	6,3	26	8,5	20	30
74.51.30.2				10,5		
74.52.20.2	35	7,5	27	8,5	20	36
74.52.30.2				10,5		
74.52.40.2				13		
74.53.30.2	50	9,0	28	10,5	22	44
74.53.40.2				13,0		
74.54.30.2	70	10,5	31	10,5	24	52
74.54.40.2				13,0		
74.55.30.2	95	12,5	34	10,5	24	55
74.55.40.2				13,0		
74.56.40.2	120	14,0	40	13,0	25	60
74.57.50.2	150	15,7	43	17,0	30	65



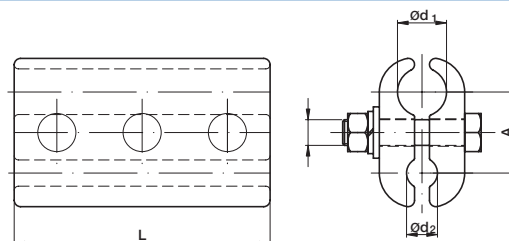
strujna stezaljka za ACSR, AAC i AAAC vodiče

parallel groove clamp for ACSR, AAC and AAC conductors

materijal [material]: tijelo Al legura DIN 1725 [body Al alloy DIN 1725]

vijci [bolts]: čelik DIN 17200, vruće pocinčano [steel DIN 17200, hot dip galvanized]

kat. br. [cat. no]	promjer vodiča [conductor diameter] Ød ₁ (mm) Ød ₂		dimenzije [dimensions] (mm)			moment pritezanja [tightening moment] (Nm)	masa [mass] (kg)
	Ød ₁	Ød ₂	M	A	L		
43.77.67	18	15	12	34	120	80	0,70
43.77.67.50	18	16	12	34	120	80	0,70
43.77.22	21	17	12	38	120	80	0,80
43.77.22.2	21,5	14,5	12	38	120	80	0,81
43.77.03	22	14	12	38	120	80	1,05
43.77.22.50	22	15,5	12	38	120	80	0,80
43.77.22.60.2	22	18	12	38	120	80	0,61
43.77.06	31	21	14	50	150	125	1,25



strujna stezaljka za ACSR, AAC i AAAC i bakrene vodiče

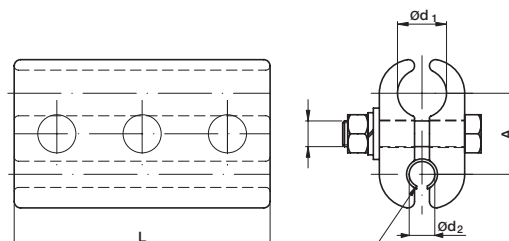
parallel groove clamp for ACSR, AAC and AAC and copper conductors

materijal [material]: tijelo Al legura DIN 1725 [body Al alloy DIN 1725]

vijci [bolts]: čelik DIN 17200, vruće pocinčano [steel DIN 17200, hot dip galvanized]

Al-cu uložak [cuppel sheet]

kat. br. [cat. no]	promjer vodiča [conductor diameter] Ød ₁ (mm) Ød ₂		dimenzije [dimensions] (mm)			moment pritezanja [tightening moment] (Nm)	masa [mass] (kg)
	Ød ₁	Ød ₂	M	A	L		
43.77.22.80	22	12,5	12	38	120	80	0,64
43.77.22.70	22	14	12	38	120	80	0,63
43.77.22.60	22	16	12	38	120	80	0,61
43.77.94	33	18,5	14	50	150	125	1,75



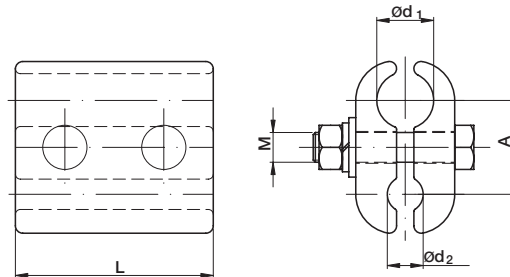
strujna stezaljka za ACSR, AAC i AAAC vodiče**parallel groove clamp for ACSR, AAC and AAC conductors**

materijal [material]:

tijelo [body]: Al legura DIN 1725 [Al alloy DIN 1725]

vijci [bolts]: čelik DIN 17200, vruće pocinčano [steel DIN 17200, hot dip galvanized]

kat. br. [cat. no]	promjer vodiča [conductor diameter]		dimenzije [dimensions] (mm)			moment pritezanja [tightening moment] (Nm)	masa [mass] (kg)
	$\varnothing d_1$ (mm)	$\varnothing d_2$	M	A	L		
43.77.67.2	16	10	12	30	80	80	0,40
43.77.68	22	10	12	38	80	80	0,45

**strujna stezaljka za ACSR, AAC i AAAC i bakrene vodiče****parallel groove clamp for ACSR, AAC and AAC and copper conductors**

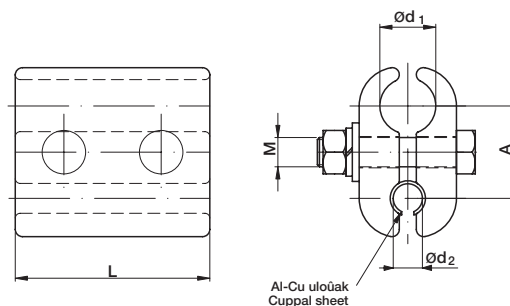
materijal [material]:

tijelo [body]: Al legura DIN 1725 [Al alloy DIN 1725]

vijci [bolts]: čelik DIN 17200, vruće pocinčano [steel DIN 17200, hot dip galvanized]

Al-cu uložak [cuppul sheet]

kat. br. [cat. no]	promjer vodiča [conductor diameter]		dimenzije [dimensions] (mm)			moment pritezanja [tightening moment] (Nm)	masa [mass] (kg)
	$\varnothing d_1$ (mm)	$\varnothing d_2$	M	A	L		
43.77.69.20	16	10,5	12	30	80	80	0,55
77.36.12.20	18	10,5	12	34	80	80	0,55
77.38.12.20	22	12,5	12	38	80	80	0,41
77.38.12.30	22	16,0	12	38	80	80	0,40

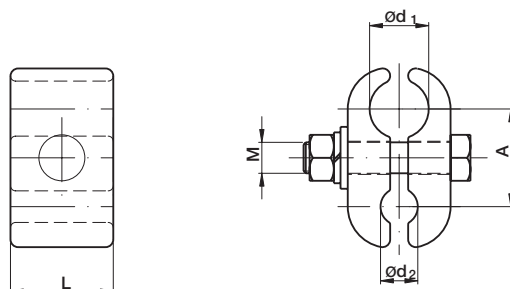
**strujna stezaljka za ACSR, AAC i AAAC vodiče****parallel groove clamp for ACSR, AAC and AAC conductors**

materijal [material]:

tijelo [body]: Al legura DIN 1725 [Al alloy DIN 1725]

vijci [material]: čelik DIN 17200, vruće pocinčano [hot dip galvanized]

kat. br. [cat. no]	promjer vodiča [conductor diameter]		dimenzije [dimensions] (mm)			moment pritezanja [tightening moment] (Nm)	masa [mass] (kg)
	$\varnothing d_1$ (mm)	$\varnothing d_2$	M	A	L		
43.77.85	16,5	12	10	30	40	46	0,38

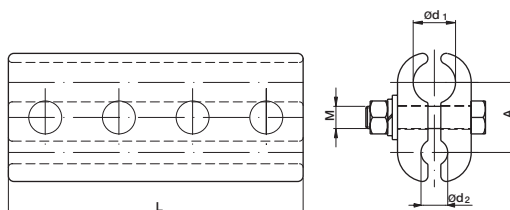
**strujna stezaljka za ACSR, AAC i AAAC vodiče****parallel groove clamp for ACSR, AAC and AAC conductors**

materijal [material]:

tijelo [body]: Al legura DIN 1725 [Al alloy DIN 1725]

vijci [bolts]: čelik DIN 17200, vruće pocinčano [steel DIN 17200, hot dip galvanized]

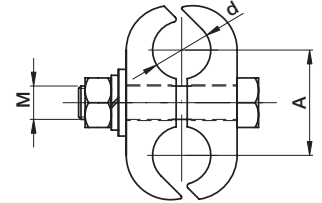
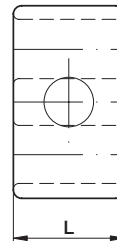
kat. br. [cat. no]	promjer vodiča [conductor diameter]		dimenzije [dimensions] (mm)			moment pritezanja [tightening moment] (Nm)	masa [mass] (kg)
	$\varnothing d_1$ (mm)	$\varnothing d_2$	M	A	L		
43.77.117	25,0	18,0	14	45	175	125	1,75
43.77.122	26,0	16,0	14	45	175	125	1,70
43.77.98	27,0	18,0	14	45	175	125	1,85
43.77.97	27,0	23,0	14	45	175	125	1,80
43.77.99	30,0	26,0	14	48	175	125	2,30
43.77.118	32,0	18,0	14	50	200	125	2,40
43.77.101	32,0	30,0	14	48	200	125	2,17
43.77.34.50	32,6	20,5	14	53	200	125	2,30



strujna stezaljka za ACSR, AAC i AAAC vodiče**parallel groove clamp for ACSR, AAC and AAC conductors****materijal [material]:**

tijelo [body]: Al legura DIN 1725 [Al alloy DIN 1725]

vijci [bolts]: čelik DIN 17200, vruće pocinčano [steel DIN 17200, hot dip galvanized]

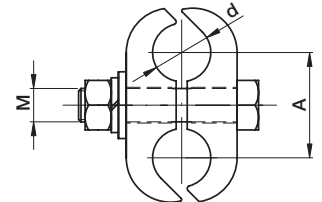
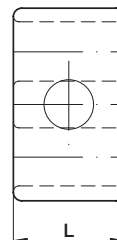


kat. br. [cat. no]	promjer vodiča [conductor diameter] Ød (mm)	dimenzije [dimensions] (mm)			moment pritezanja [tightening moment] (Nm)	masa [mass] (kg)
		M	A	L		
77.30.11	do-3,5	6	10	20	9,6	0,03
77.31.11	3,5-5,0	6	14	25	9,6	0,04
77.32.11	5,0-7,0	8	18	30	23	0,05
77.33.11	7,0-9,0	10	21	35	46	0,09
77.34.11	9,0-12,0	10	27	40	46	0,14
77.35.11	12,0-15,0	12	30	40	80	0,19
77.36.11	15,0-18,0	12	34	40	80	0,24
77.37.11	18,0-21,0	12	38	40	80	0,27
77.38.11	21,0-24,0	12	42	40	80	0,325

strujna stezaljka za bakrene vodiče**parallel groove clamp for copper conductors****materijal [material]:**

tijelo [body]: Cu legura DIN 1705 [Cu alloy DIN 1705]

vijci [bolts]: čelik DIN 17200, vruće pocinčano [steel DIN 17200, hot dip galvanized]

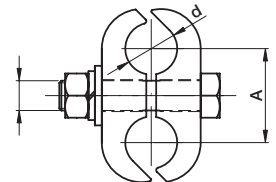
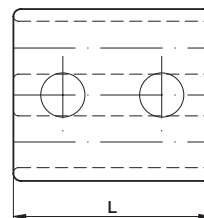


kat. br. [cat. no]	promjer vodiča [conductor diameter] Ød (mm)	dimenzije [dimensions] (mm)			moment pritezanja [tightening moment] (Nm)	masa [mass] (kg)
		M	A	L		
77.30.21	do-3,5	6	10	20	9,6	0,07
77.31.21	3,5-5,0	6	14	25	9,6	0,09
77.32.21	5,0-7,0	8	18	30	23	0,11
77.33.21	7,0-9,0	10	21	35	46	0,17
77.34.21	9,0-12,0	10	27	40	46	0,30
77.35.21	12,0-15,0	12	30	40	80	0,42
77.36.21	15,0-18,0	12	34	40	80	0,58
77.37.21	18,0-21,0	12	38	40	80	0,65

strujna stezaljka za ACSR, AAC i AAAC vodiče**parallel groove clamp for ACSR, AAC and AAC conductors****materijal [material]:**

tijelo [body]: Al legura DIN 1725 [Al alloy DIN 1725]

vijci [bolts]: čelik DIN 17200, vruće pocinčano [steel DIN 17200, hot dip galvanized]



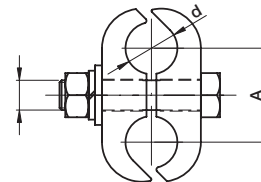
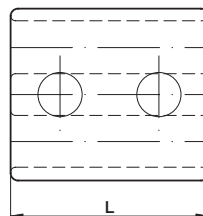
kat. br. [cat. no]	promjer vodiča [conductor diameter] Ød (mm)	dimenzije [dimensions] (mm)			moment pritezanja [tightening moment] (Nm)	masa [mass] (kg)
		M	A	L		
77.32.12	5,0-7,0	8	18	60	23	0,10
77.33.12	7,0-9,0	10	21	70	46	0,17
77.34.12	9,0-12,0	10	27	80	46	0,26
77.35.12	12,0-15,0	12	30	80	80	0,37
77.36.12	15,0-18,0	12	34	80	80	0,45
77.37.12	18,0-21,0	12	38	80	80	0,54
77.38.12	21,0-24,0	12	42	80	80	0,65
77.39.12	24,0-27,0	14	45	85	125	0,85
77.40.12	27,0-30,0	14	48	100	125	1,01
77.41.12	30,0-33,0	16	55	110	125	1,40

strujna stezaljka za bakrene vodiče**parallel groove clamp for copper conductors**

materijal [material]:

tijelo [body]: Cu legura DIN 1705 [Cu alloy DIN 1705]

vijci [bolts]: čelik DIN 17200, vruće pocinčano [steel DIN 17200, hot dip galvanized]



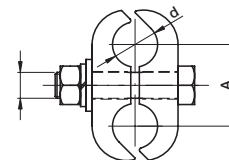
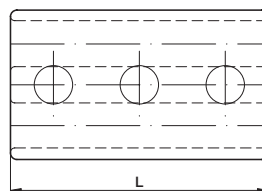
kat. br. [cat. no]	promjer vodiča [conductor diameter] Ød (mm)	dimenzije [dimensions] (mm)			moment pritezanja [tightening moment] (Nm)	masa [mass] (kg)
		M	A	L		
77.32.22	5,0-7,0	8	18	60	23	0,22
77.33.22	7,0-9,0	10	21	70	46	0,34
77.34.22	9,0-12,0	10	27	80	46	0,59
77.35.22	12,0-15,0	12	30	80	80	0,84
77.36.22	15,0-18,0	12	34	80	80	1,16
77.37.22	18,0-21,0	12	38	80	80	1,26
77.38.22	21,0-24,0	12	42	80	80	1,68
77.39.22	24,0-27,0	14	45	85	125	2,12
77.40.22	27,0-30,0	14	48	100	125	2,58

strujna stezaljka za ACSR, AAC i AAAC vodiče**parallel groove clamp for ACSR, AAC and AAAC conductors**

materijal [material]:

tijelo [body]: Al legura DIN 1725 [Al alloy DIN 1725]

vijci [bolts]: čelik DIN 17200, vruće pocinčano [steel DIN 17200, hot dip galvanized]



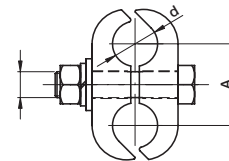
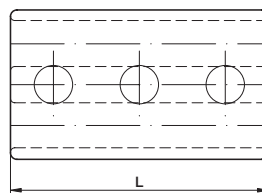
kat. br. [cat. no]	promjer vodiča [conductor diameter] Ød (mm)	dimenzije [dimensions] (mm)			moment pritezanja [tightening moment] (Nm)	masa [mass] (kg)
		M	A	L		
77.34.13	9,0-12,0	10	27	120	46	0,39
77.35.13	12,0-15,0	12	30	120	80	0,57
77.36.13	15,0-18,0	12	34	120	80	0,72
77.37.13	18,0-21,0	12	38	120	80	0,81
77.38.13	21,0-24,0	12	42	120	80	0,98
77.39.13	24,0-27,0	14	45	130	125	1,29
77.40.13	27,0-30,0	14	48	150	125	1,52
77.41.13	30,0-33,0	14	55	150	125	1,80

strujna stezaljka za bakrene vodiče**parallel groove clamp for copper conductors**

materijal [material]:

tijelo [body]: Cu legura DIN 1705 [Cu alloy DIN 1705]

vijci [bolts]: čelik DIN 17200, vruće pocinčano [steel DIN 17200, hot dip galvanized]



kat. br. [cat. no]	promjer vodiča [conductor diameter] Ød (mm)	dimenzije [dimensions] (mm)			moment pritezanja [tightening moment] (Nm)	masa [mass] (kg)
		M	A	L		
77.35.23	12,0-15,0	12	30	120	80	1,26
77.36.23	15,0-18,0	12	34	120	80	1,74
77.37.23	18,0-21,0	12	38	120	80	1,95
77.38.23	21,0-24,0	12	42	120	80	2,52
77.39.23	24,0-27,0	14	45	130	125	3,18
77.40.23	27,0-30,0	14	48	150	125	3,87

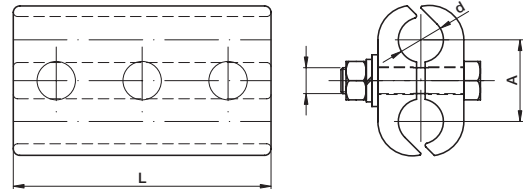
strujna stezaljka za bakrene vodiče

parallel groove clamp for copper conductors

materijal [material]:

tijelo [body]: Cu legura DIN 1705 [Cu alloy DIN 1705]

vijci [bolts]: čelik DIN 17200, vruće pocinčano [steel DIN 17200, hot dip galvanized]



kat. br. [cat. no]	promjer vodiča [conductor diameter] Ød (mm)	dimenzije [dimensions] (mm)			moment pritezanja [tightening moment] (Nm)	masa [mass] (kg)
		M	A	L		
77.35.23	12,0-15,0	12	30	120	80	1,26
77.36.23	15,0-18,0	12	34	120	80	1,74
77.37.23	18,0-21,0	12	38	120	80	1,95
77.38.23	21,0-24,0	12	42	120	80	2,52
77.39.23	24,0-27,0	14	45	130	125	3,18
77.40.23	27,0-30,0	14	48	150	125	3,87

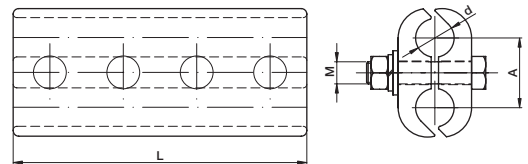
strujna stezaljka za ACSR, AAC i AAAC vodiče

parallel groove clamp for ACSR, AAC and AAAC conductors

materijal [material]:

tijelo [body]: Al legura DIN 1725 [Al alloy DIN 1725]

vijci [bolts]: čelik DIN 17200, vruće pocinčano [steel DIN 17200, hot dip galvanized]



kat. br. [cat. no]	promjer vodiča [conductor diameter] Ød (mm)	dimenzije [dimensions] (mm)			moment pritezanja [tightening moment] (Nm)	masa [mass] (kg)
		M	A	L		
77.36.13	15,0-18,0	12	34	160	80	0,96
77.37.13	18,0-21,0	12	38	160	80	1,08
77.38.13	21,0-24,0	12	42	160	80	1,32
77.39.13	24,0-27,0	14	45	175	125	1,72
77.40.13	27,0-30,0	14	48	200	125	2,02
77.41.13	30,0-33,0	14	55	200	125	2,40

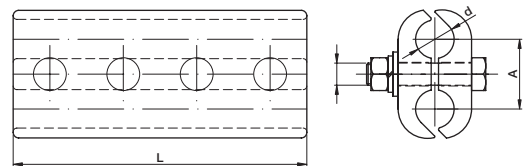
strujna stezaljka za bakrene vodiče

parallel groove clamp for copper conductors

materijal [material]:

tijelo [body]: Cu legura DIN 1705 [Cu alloy DIN 1705]

vijci [bolts]: čelik DIN 17200, vruće pocinčano [steel DIN 17200, hot dip galvanized]



kat. br. [cat. no]	promjer vodiča [conductor diameter] Ød (mm)	dimenzije [dimensions] (mm)			moment pritezanja [tightening moment] (Nm)	masa [mass] (kg)
		M	A	L		
77.36.24	15,0-18,0	12	34	160	80	2,32
77.37.24	18,0-21,0	12	38	160	80	2,60
77.38.24	21,0-24,0	12	42	160	80	3,36
77.39.24	24,0-27,0	14	45	175	125	4,24
77.40.24	27,0-30,0	14	48	200	125	5,16

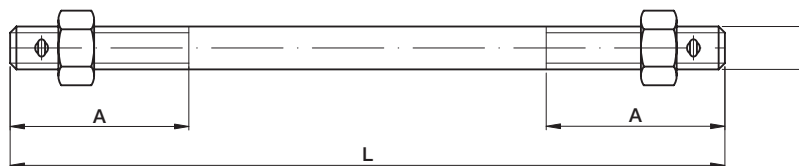
dvostrani vijak s maticama

bolt with nuts

materijal [material]:

čelik DIN 17100, vruće pocinčan [steel DIN 17100, hot dip galvanized]

rascjepka [split pin]: nehrđajući čelik DIN 48063 [stainless steel]



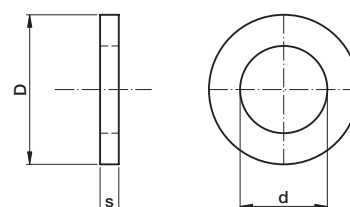
kat. br. [cat. no]	dimenzije [dimensions] (mm)			masa [mass] (kg)
	M	L	A	
43.31.01A	M12	200	50	0,19
43.31.02A	M12	250	50	0,23
43.31.03A	M12	300	70	0,27
43.31.04A	M12	350	70	0,31
43.31.10A	M16	200	50	0,34
43.31.11A	M16	250	50	0,41
43.31.12A	M16	300	70	0,48
43.31.13A	M16	350	70	0,56
43.31.14A	M16	400	70	0,65
43.31.15A	M16	450	70	0,70
43.31.16A	M16	500	70	0,81
43.31.17A	M16	600	90	0,96
43.31.18A	M16	700	90	1,11
43.31.19A	M16	800	90	1,25
43.31.30A	M20	200	50	0,56
43.31.31A	M20	250	50	0,68
43.31.32A	M20	300	70	0,79
43.31.33A	M20	350	70	0,93
43.31.34A	M20	400	70	1,10

kat. br. [cat. no]	dimenzije [dimensions] (mm)			masa [mass] (kg)
	M	L	A	
43.31.35A	M20	450	70	1,18
43.31.36A	M20	500	70	1,25
43.31.37A	M20	550	90	1,38
43.31.38A	M20	600	90	1,54
43.31.39A	M20	650	90	1,60
43.31.40A	M20	700	90	1,72
43.31.41A	M20	750	90	1,92
43.31.42A	M20	800	90	1,95
43.31.50A	M24	350	70	1,39
43.31.51A	M24	400	70	1,56
43.31.52A	M24	450	70	1,74
43.31.53A	M24	500	70	1,90
43.31.54A	M24	550	90	2,07
43.31.55A	M24	600	90	2,24
43.31.56A	M24	650	90	2,41
43.31.57A	M24	700	90	2,60
43.31.58A	M24	750	90	2,77
43.31.59A	M24	800	90	2,92
43.31.60A	M24	1000	90	3,60

ravna podložna pločica

flat washer

kat. br. [cat. no]	za vijak [for bolt] M (mm)	dimenzije [dimensions] (mm)			masa [mass] (kg)
		D	d	s	
39.06.10	M6	12	7	1,5	0,0009
39.08.10	M8	17	9,5	2	0,0025
39.10.10	M10	21	11,5	2,5	0,0049
39.12.10	M12	24	14	3	0,0072
39.16.10	M16	30	18	3	0,0109
39.20.10	M20	36	23	4	0,0193
39.22.10	M22	40	25	4	0,0245
39.24.10	M24	44	27	4	0,0304
39.27.10	M27	50	30	5	0,0503
39.30.10	M30	56	33	5	0,0644
39.33.10	M33	60	36	5	0,0724
39.36.10	M36	68	39	6	0,1171
39.42.10	M42	78	45	7	0,1787
39.48.10	M48	92	52	8	0,2898

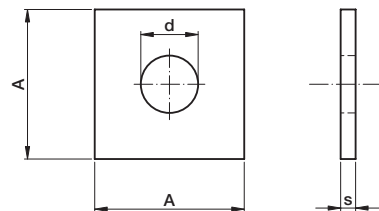
materijal [material]: čelik DIN 17100, vruće pocinčan
[steel DIN 17100, hot dip galvanized]

ravna podložna pločica

flat washer

kat. br. [cat. no]	za vijak [for bolt] M (mm)	dimenzije [dimensions] (mm)			masa [mass] (kg)
		A	d	s	
39.10.60	M10	30	11,5	3	0,021
39.12.60	M12	40	14	4	0,050
39.14.60	M14	45	16	4	0,063
39.16.60	M16	50	18	5	0,097
39.18.60	M18	60	20	5	0,140
39.20.60	M20	70	23	5	0,191
39.22.60	M22	80	25	6	0,300
39.22.60.1	M22	100	22	8	0,633
39.24.60	M24	90	27	6	0,380
39.27.60	M27	95	30	6	0,423

materijal [material]: čelik DIN 17100, vruće pocinčan
[steel DIN 17100, hot dip galvanized]

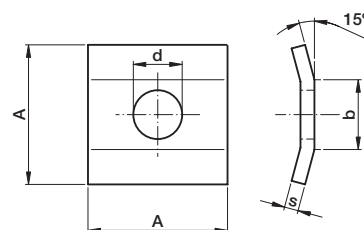


savijena podložna pločica

bending washer

kat. br. [cat. no]	za vijak [for bolt] M (mm)	dimenzije [dimensions] (mm)				masa [mass] (kg)
		A	b	d	s	
39.10.65	M10	40	20	12	3	0,036
39.12.65	M12	40	20	14	3	0,037
39.14.65	M14	50	23	16	3	0,060
39.16.65	M16	60	25	18	5	0,130
39.18.65	M18	60	28	20	5	0,128
39.20.65	M20	60	30	22	5	0,126
39.24.65	M24	60	30	26	5	0,126

materijal [material]: čelik DIN 17100, vruće pocinčan
[steel DIN 17100, hot dip galvanized]

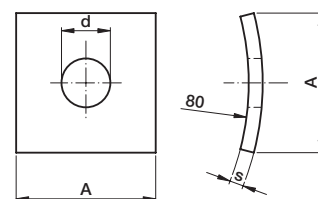


savijena podložna pločica

bending washer

kat. br. [cat. no]	za vijak [for bolt] M (mm)	dimenzije [dimensions] (mm)			masa [mass] (kg)
		A	d	s	
43.98.09D	M12	40	14	4	0,050
43.98.09A	M16	50	18	4	0,077
43.98.09B	M20	60	22	5	0,139
43.98.09C	M24	80	27	6	0,299

materijal [material]: čelik DIN 17100, vruće pocinčan
[steel DIN 17100, hot dip galvanized]



1

1a

2

2a

3

3a

4

5

5a

6

6a

6b

7

8

9

10

11

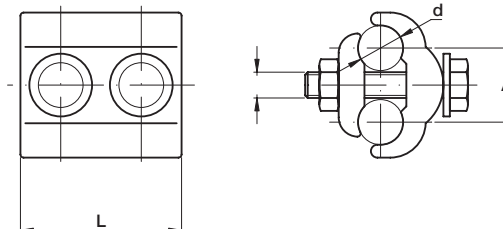
12

Al - odcjepna vijčana stezaljka za čelične vodiče**Al - connector for steel conductors**

materijal [material]:

tijelo i poklopac [body and cover]: čelik, vruće pocinčano [steel, hot dip galvanized]

potisna ploča [press plate]: vijak čelik, vruće pocinčan [bolt steel, hot dip galvanized]



kat. br. [cat. no]	promjer vodiča [conductor diameter] Ød (mm)	dimenzije [dimensions] (mm)			moment pritezanja [tightening moment] (Nm)	masa [mass] (kg)
		M	A	L		
77.05.14	6,35-14,29	8	23	50	23	0,35

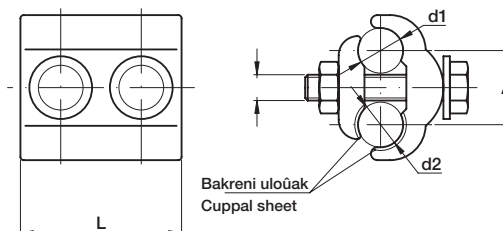
Al - odcjepna vijčana stezaljka za aluminijske i bakrene vodiče**Al - connector for aluminium and copper conductors**

materijal [material]:

tijelo i poklopac [body and cover]: Al legura, DIN 1725 [Al alloy, DIN 1725]

potisna ploča, vijak [press plate, bolt]: Al legura, DIN 1725 [Al alloy, DIN 1725]

bakreni uložak [cuppal sheet]



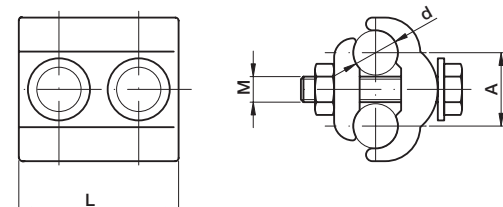
kat. br. [cat. no]	promjer Al vodiča [Al conductor diam.] Ød1 (mm)	promjer Cu vodiča [Cu conductor diam.] Ød2 (mm)	dimenzije [dimensions] (mm)			moment pritezanja [tightening moment] (Nm)	masa [mass] (kg)
			M	A	L		
77.06.11	5,1-10,5	4,1-8,5	8	22	40	23	0,12
77.06.14	5,1-14,0	4,1-12,5	8	23	50	23	0,15

Al - odcjepna vijčana stezaljka za aluminijske i vodiče iz Al legure**Al - connector for aluminium and Al alloy conductors**

materijal [material]:

tijelo i poklopac [body and cover]: Al legura, DIN 1725 [Al alloy, DIN 1725]

potisna ploča, vijak [press plate, bolt]: Al legura, DIN 1725 [Al alloy, DIN 1725]



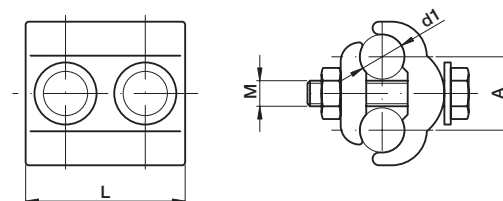
kat. br. [cat. no]	promjer vodiča [conductor diameter] Ød (mm)	dimenzije [dimensions] (mm)			moment pritezanja [tightening moment] (Nm)	masa [mass] (kg)
		M	A	L		
77.07.11	5,1-10,5	8	22	40	23	0,10
77.07.14	5,1-14,0	8	23	50	23	0,15

Al - Cu odcjepna vijčana stezaljka za aluminijske i bakrene vodiče**Al - Cu connector for aluminium and copper conductors**

materijal [material]:

tijelo i poklopac [body and cover]: Al legura, DIN 1725 [Al alloy, DIN 1725]

potisna ploča, vijak [press plate, bolt]: Al legura, DIN 1725 [Al alloy, DIN 1725]



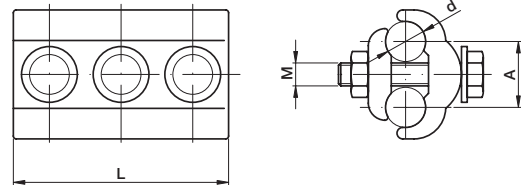
kat. br. [cat. no]	promjer Al vodiča [Al conductor diameter] Ød1 (mm)	dimenzije [dimensions] (mm)			moment pritezanja [tightening moment] (Nm)	masa [mass] (kg)
		M	A	L		
77.08.11	5,1-10,5	8	22	40	23	0,10
77.08.14	5,1-14,0	8	23	50	23	0,15

Al - odcjepna vijčana stezaljka za aluminijske i vodiče iz Al legure**Al - connector for aluminium and Al alloy conductors**

materijal [material]:

tijelo i poklopac [body and cover]: Al legura, DIN 1725 [Al alloy, DIN 1725]

potisna ploča, vijak [press plate, bolt]: Al legura, DIN 1725 [Al alloy, DIN 1725]



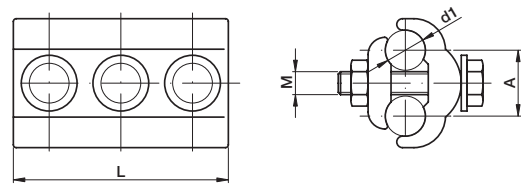
kat. br. [cat. no]	promjer vodiča [conductor diameter] Ød (mm)	dimenzije [dimensions] (mm)			moment pritezanja [tightening moment] (Nm)	masa [mass] (kg)
		M	A	L		
77.07.17.50	6,3-17,5	8	30	90	23	0,54
77.07.19.50	14,0-19,6	8	33	90	23	0,56

Al - Cu odcjepna vijčana stezaljka za aluminijske i bakrene vodiče**Al - Cu connector for aluminium and copper conductors**

materijal [material]:

tijelo i poklopac [body and cover]: Al legura, DIN 1725 [Al alloy, DIN 1725]

potisna ploča, vijak [press plate, bolt]: Al legura, DIN 1725 [Al alloy, DIN 1725]



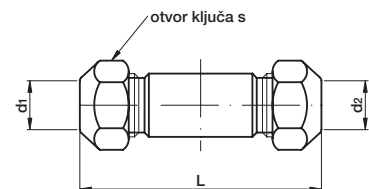
kat. br. [cat. no]	promjer Al vodiča [Al conductor diameter] Ød1 (mm)	dimenzije [dimensions] (mm)			moment pritezanja [tightening moment] (Nm)	masa [mass] (kg)
		M	A	L		
77.08.17.50	10,5-17,5	8	30	90	23	0,54
77.08.19.50	14,0-19,6	8	33	90	23	0,56

koncentrične spojnice**connecting sleeves**

materijal [material]:

tijelo i poklopac [body and cover]: Al legura, DIN 1725 [Al alloy, DIN 1725]

potisna ploča, vijak [press plate, bolt]: Al legura, DIN 1725 [Al alloy, DIN 1725]

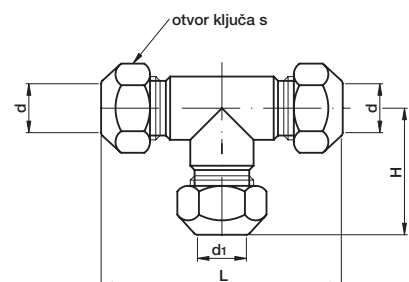


kat. br. [cat. no]	promjer vodiča [conductor diameter] d1 (mm) d2		dimenzije [dimensions] (mm)		masa [mass] (kg)
	d1	d2	L	S	
67.02.11	6	6	40	19	0,050
67.02.12	8	8	40	19	0,048
67.02.13	10	10	43	22	0,056

koncentrične "T" spojnice**T connecting sleeves**

kat. br. [cat. no]	promjer Al vodiča [Al conductor diameter] Ød (mm) Ød1		dimenzije [dimensions] (mm)			masa [mass] (kg)
	Ød	Ød1	L	H	s	
67.04.11	6	6	50	25	17	0,08
67.04.12	8	8	50	25	17	0,08
67.04.13	10	10	55	28	19	0,09

materijal [material]: Cu legura, DIN 1705 [Cu alloy, DIN 1705]

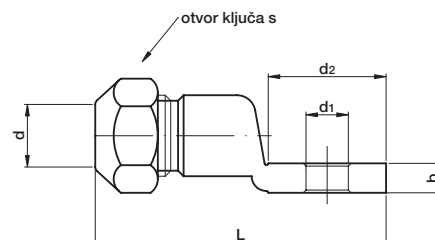


koncentrične kabliske stopice

flat copper connectors

kat. br. [cat. no]	promjer vodiča [conductor diameter] d (mm)	dimenzije [dimensions] (mm)					masa [mass] (kg)
		d ₁	d ₂	b	L	s	
67.01.11	6	8,5	22	6	39	17	0,05
67.01.12	8	10,5	22	6	39	17	0,05
67.01.13	10	10,5	22	6	42	19	0,06
67.01.14	12	13	30	8	56	22	0,11
67.01.15	14	13	35	9	60	26	0,22
67.01.16	16	17	35	9	70	29	0,22
67.01.17	20	17	40	10	75	36	0,33
67.01.18	30	21	50	13	80	50	0,84

materijal [material]: Cu legura, DIN 1705 [Cu alloy, DIN 1705]

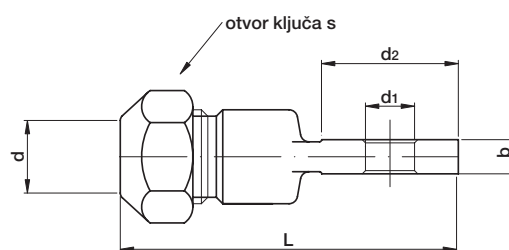


koncentrična kabliska stopica

flat copper connectors

kat. br. [cat. no]	promjer vodiča [conductor diameter] d (mm)	dimenzije [dimensions] (mm)					masa [mass] (kg)
		d ₁	d ₂	b	L	s	
67.01.01	6	8,5	22	6	39	17	0,05
67.01.02	8	10,5	22	6	39	17	0,05
67.01.03	10	10,5	22	6	42	19	0,06
67.01.04	12	13	30	8	56	22	0,11
67.01.05	14	13	35	9	60	26	0,22
67.01.06	16	17	35	9	70	29	0,22
67.01.07	20	17	40	10	75	36	0,33
67.01.08	30	21	50	13	80	50	0,84

materijal [material]: Cu legura, DIN 1705 [Cu alloy, DIN 1705]



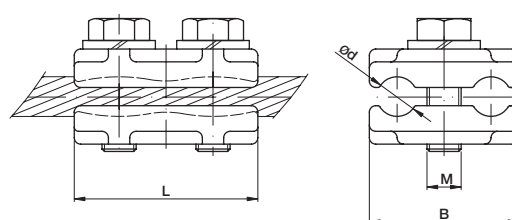
krajnja stezaljka za Cu vodiče

dead end clamp for Cu conductors

materijal [material]:

tijelo [body]: Cu legura, DIN 1705 [Cu alloy, DIN 1705]

vijci [bolts]: čelik, DIN 17200 [steel, DIN 17200]



kat. br. [cat. no]	promjer vodiča [conductor diameter] d (mm)	dimenzije [dimensions] (mm)			masa [mass] (kg)
		L	M	b	
43.77.26	4,05-7,5	35	8	29	0,15
43.77.27	6,30-9,5	43	8	35	0,20
43.77.49	8,50-12,5	48	10	42	0,31
43.77.55	12,0-15,0	55	10	48	0,50
43.77.56	15,0-18,0	65	12	60	0,75

paralelna stezaljka s u vijkom za Al i ACSR vodiče

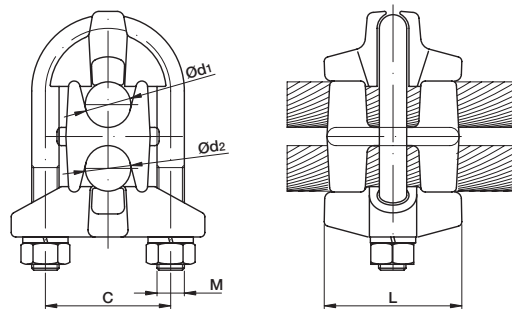
parallel clamp with u bolt for Al and ACSR conductors

materijal [material]:

tijelo [body]: Al legura, DIN 1725 [Al alloy, DIN 1725]

U vijak [U bolt]: čelik, DIN 17200 [steel, DIN 17200]

kat. br. [cat. no]	promjer vodiča [conductor diameter]		dimenzije [dimensions] (mm)			masa [mass] (kg)
	d ₁ (mm)	d ₂	M	C	L	
77.51.10	4,5-10,5	4,5-10,5	8	25	35	0,12
77.51.11	9-13,5	9-13,5	10	32	40	0,20
77.51.12	10,5-17	10,5-17	12	37	45	0,25
77.51.13	11,5-20	11,5-20	12	42	50	0,30
77.51.14	16,5-26	16,5-26	12	48	55	0,32
77.51.15	20-32	20-32	12	55	60	0,35



paralelna stezaljka s u vijkom za Cu vodiče

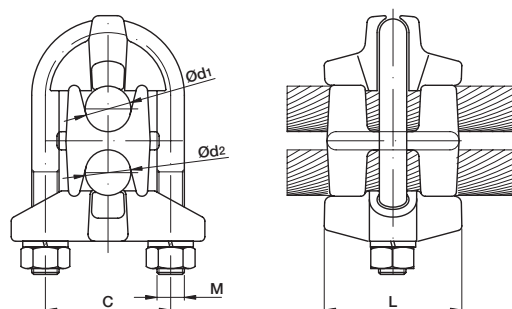
parallel clamp with u bolt for Cu conductors

materijal [material]:

tijelo [body]: Cu legura [Cu alloy, DIN 1705]

U vijak [U bolt]: nehrđajući čelik A2 80 [stainless steel, A2 80]

kat. br. [cat. no]	promjer vodiča [conductor diameter]		dimenzije [dimensions] (mm)			masa [mass] (kg)
	d ₁ (mm)	d ₂	M	C	L	
77.50.20	4,5-10,5	4,5-10,5	8	25	35	0,23
77.50.21	9-13,5	9-13,5	10	32	40	0,30
77.50.22	10,5-17	10,5-17	12	37	45	0,46
77.50.23	11,5-20	11,5-20	12	42	50	0,52
77.50.24	16,5-26	16,5-26	12	48	55	0,64
77.50.25	20-32	20-32	12	55	60	0,86



vijčana kabelska stopica za ACSR, AAC i AAAC vodiče i Cu priključak

bimetallic cable lug for ACSR, AAC and AAAC conductors and Cu connecting

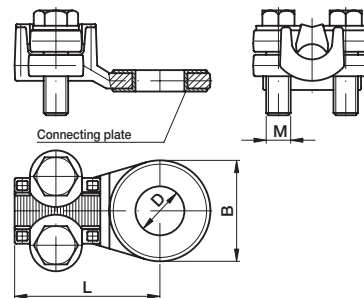
materijal [material]:

tijelo [body]: Al legura, DIN 1725 [Al alloy, DIN 1725]

vijci [bolts]: čelik, DIN 17200, vruće pocinčano [steel, DIN 17200, hot dip galvanized]

priključna ploča [connecting plate]: Cu uložak [Cu sheet]

kat. br. [cat. no]	presjek vodiča [crossection]	promjer vodiča [conductor dia.]	dimenzije [dimensions] (mm)				masa [mass] (kg)
	Ød (mm²)	Ød (mm)	L	D	M	B	
74.65.09	10-95	3,5-12,5	48	9	8	32	0,15
74.65.10	10-95	3,5-12,5	48	11	8	32	0,10
74.65.20	10-95	3,5-12,5	48	13	8	32	0,10
74.65.30	10-95	3,5-12,5	48	15	8	32	0,10
74.67.10	35-150	7,5-15,7	55	11	8	40	0,15
74.67.20	35-150	7,5-15,7	55	13	8	40	0,15
74.67.30	35-150	7,5-15,7	55	15	8	40	0,15
74.69.40	150-240	15,7-20,2	62	17	10	42	0,22



vijčana kabelska stopica za ACSR, AAC i AAAC vodiče i Cu priključak

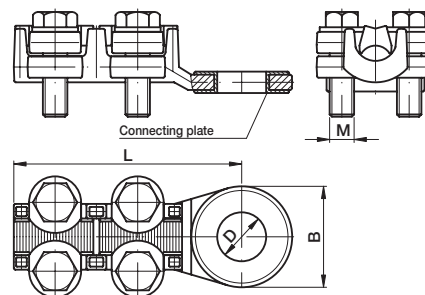
bimetallic cable lug for ACSR, AAC and AAC conductors and Cu connecting

materijal [material]:

tijelo [body]: Al legura, DIN 1725 [Al alloy, DIN 1725]

vijci [bolts]: čelik, DIN 17200, vruće pocinčano [steel, DIN 17200, hot dip galvanized]

priključna ploča [connecting plate]: Cu uložak [Cu sheet]



kat. br. [cat. no]	presjek vodiča [crosssection] Ød (mm²)	promjer vodiča [conductor dia.] Ød (mm)	dimenzije [dimensions] (mm)				masa [mass] (kg)
			L	D	M	B	
74.65.10.2	10-95	3,5-12,5	76	11	8	32	0,15
74.65.20.2	10-95	3,5-12,5	76	13	8	32	0,15
74.65.30.2	10-95	3,5-12,5	76	15	8	32	0,15
74.67.10.2	35-150	7,5-15,7	90	11	8	40	0,20
74.67.20.2	35-150	7,5-15,7	90	13	8	40	0,20
74.67.30.2	35-150	7,5-15,7	90	15	8	40	0,20
74.69.40.2	150-240	15,7-20,2	100	17	10	42	0,27
74.69.40.4	249-450	20,2-28,0	120	17	12	46	1,57

vijčana kabelska stopica za ACSR, AAC i AAAC vodiče

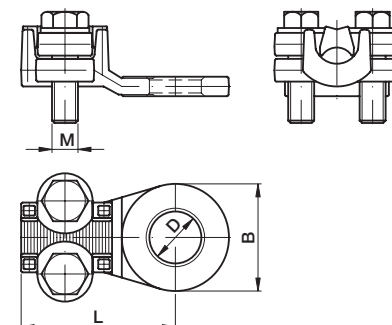
bimetallic cable lug for ACSR, AAC and AAC conductors

materijal [material]:

tijelo [body]: Al legura, DIN 1725 [Al alloy, DIN 1725]

vijci [bolts]: čelik, DIN 17200, vruće pocinčano [steel, DIN 17200, hot dip galvanized]

kat. br. [cat. no]	presjek vodiča [crosssection] Ød (mm²)	promjer vodiča [conductor dia.] Ød (mm)	dimenzije [dimensions] (mm)				masa [mass] (kg)
			L	D	M	B	
74.05.09	10-95	3,5-12,5	48	9	8	32	0,08
74.05.10	10-95	3,5-12,5	48	11	8	32	0,08
74.05.20	10-95	3,5-12,5	48	13	8	32	0,08
74.05.30	10-95	3,5-12,5	48	15	8	32	0,08
74.07.10	35-150	7,5-15,7	55	11	8	40	0,10
74.07.20	35-150	7,5-15,7	55	13	8	40	0,10
74.07.30	35-150	7,5-15,7	55	15	8	40	0,10
74.09.40	150-240	15,7-20,2	62	17	10	42	0,18



vijčana kabelska stopica za ACSR, AAC i AAAC vodiče

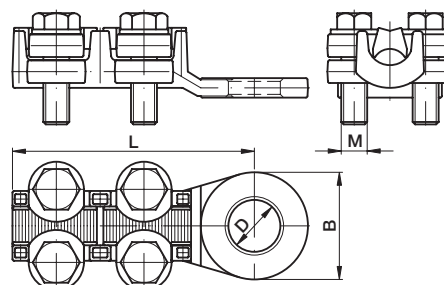
bimetallic cable lug for ACSR, AAC and AAC conductors

materijal [material]:

tijelo [body]: Al legura, DIN 1725 [Al alloy, DIN 1725]

vijci [bolts]: čelik, DIN 17200, vruće pocinčano [steel, DIN 17200, hot dip galvanized]

kat. br. [cat. no]	presjek vodiča [crosssection] Ød (mm²)	promjer vodiča [conductor dia.] Ød (mm)	dimenzije [dimensions] (mm)				masa [mass] (kg)
			L	D	M	B	
74.05.10.2	10-95	3,5-12,5	76	11	8	32	0,13
74.05.20.2	10-95	3,5-12,5	76	13	8	32	0,13
74.05.30.2	10-95	3,5-12,5	76	15	8	32	0,13
74.07.10.2	35-150	7,5-15,7	90	11	8	40	0,18
74.07.20.2	35-150	7,5-15,7	90	13	8	40	0,18
74.07.30.2	35-150	7,5-15,7	90	15	8	40	0,18
74.09.40.2	150-240	15,7-20,2	100	17	10	42	0,25
74.09.40.4	249-450	20,2-28,0	120	17	12	46	1,55



vijčana kabelska stopica za ACSR, AAC i AAAC vodiče i Cu priključak

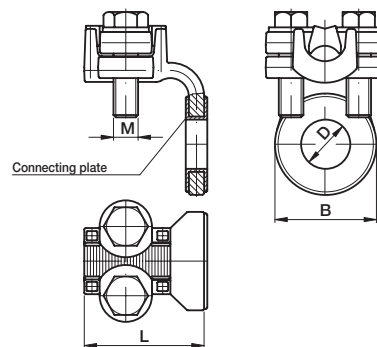
bimetallic cable lug for ACSR, AAC and AAC conductors and Cu connecting

materijal [material]:

tijelo [body]: Al legura, DIN 1725 [Al alloy, DIN 1725]

vijci [bolts]: čelik, DIN 17200, vruće pocinčano [steel, DIN 17200, hot dip galvanized]

priključna ploča [connecting plate]: Cu uložak [Cu sheet]



kat. br. [cat. no]	presjek vodiča [crossection] Ød (mm²)	promjer vodiča [conductor dia.] Ød (mm)	dimenzije [dimensions] (mm)				masa [mass] (kg)
			L	D	M	B	
74.85.10	10-95	3,5-12,5	39	11	8	32	0,10
74.85.20	10-95	3,5-12,5	39	13	8	32	0,10
74.85.30	10-95	3,5-12,5	39	15	8	32	0,10
74.87.10	35-150	7,5-15,7	45	11	8	40	0,15
74.87.20	35-150	7,5-15,7	45	13	8	40	0,15
74.87.30	35-150	7,5-15,7	45	15	8	40	0,15
74.89.40	150-240	15,7-20,2	60	17	10	42	0,22

vijčana kabelska stopica za ACSR, AAC i AAAC vodiče i Cu priključak

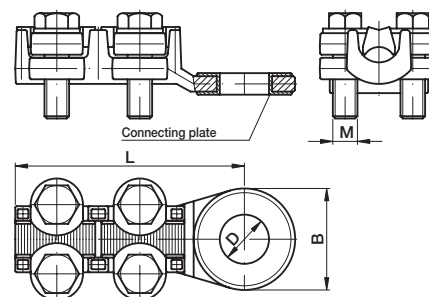
bimetallic cable lug for ACSR, AAC and AAC conductors and Cu connecting

materijal [material]:

tijelo [body]: Al legura, DIN 1725 [Al alloy, DIN 1725]

vijci [bolts]: čelik, DIN 17200, vruće pocinčano [steel, DIN 17200, hot dip galvanized]

priključna ploča [connecting plate]: Cu uložak [Cu sheet]



kat. br. [cat. no]	presjek vodiča [crossection] Ød (mm²)	promjer vodiča [conductor dia.] Ød (mm)	dimenzije [dimensions] (mm)				masa [mass] (kg)
			L	D	M	B	
74.85.10.2	10-95	3,5-12,5	65	11	8	32	0,15
74.85.20.2	10-95	3,5-12,5	65	13	8	32	0,15
74.85.30.2	10-95	3,5-12,5	65	15	8	32	0,15
74.87.10.2	35-150	7,5-15,7	80	11	8	40	0,20
74.87.20.2	35-150	7,5-15,7	80	13	8	40	0,20
74.87.30.2	35-150	7,5-15,7	80	15	8	40	0,20
74.89.40.2	150-240	15,7-20,2	95	17	10	42	0,27
74.89.40.4	249-450	20,2-28,0	110	17	12	46	1,55

vijčana kabelska stopica za ACSR, AAC i AAAC vodiče

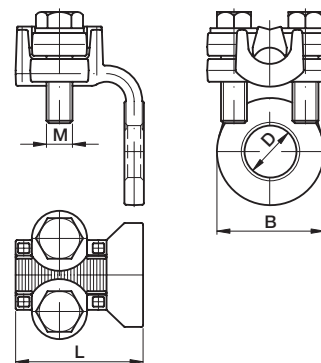
bimetallic cable lug for ACSR, AAC and AAC conductors

materijal [material]:

tijelo [body]: Al legura, DIN 1725 [Al alloy, DIN 1725]

vijci [bolts]: čelik, DIN 17200, vruće pocinčano [steel, DIN 17200, hot dip galvanized]

kat. br. [cat. no]	presjek vodiča [crossection] Ød (mm²)	promjer vodiča [conductor dia.] Ød (mm)	dimenzije [dimensions] (mm)				masa [mass] (kg)
			L	D	M	B	
43.74.05.10	10-95	3,5-12,5	39	11	8	32	0,08
43.74.05.20	10-95	3,5-12,5	39	13	8	32	0,08
43.74.05.30	10-95	3,5-12,5	39	15	8	32	0,08
43.74.07.10	35-150	7,5-15,7	45	11	8	40	0,10
43.74.07.20	35-150	7,5-15,7	45	13	8	40	0,10
43.74.07.30	35-150	7,5-15,7	45	15	8	40	0,10
43.74.09.40	150-240	15,7-20,2	60	17	10	42	0,18



vijčana kabelska stopica za ACSR, AAC i AAAC vodiče

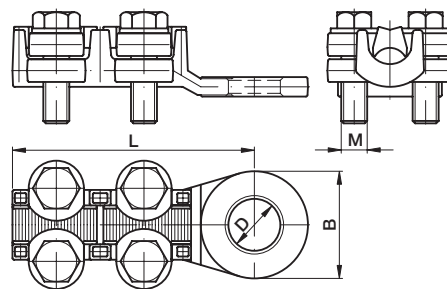
bimetallic cable lug for ACSR, AAC and AAC conductors

materijal [material]:

tijelo [body]: Al legura, DIN 1725 [Al alloy, DIN 1725]

vijci [bolts]: čelik, DIN 17200, vruće pocinčano [steel, DIN 17200, hot dip galvanized]

kat. br. [cat. no]	presjek vodiča [crosssection] Ød (mm²)	promjer vodiča [conductor dia.] Ød (mm)	dimenzije [dimensions] (mm)				masa [mass] (kg)
			L	D	M	B	
43.74.05.10.2	10-95	3,5-12,5	65	11	8	32	0,13
43.74.05.20.2	10-95	3,5-12,5	65	13	8	32	0,13
43.74.05.30.2	10-95	3,5-12,5	65	15	8	32	0,13
43.74.07.10.2	35-150	7,5-15,7	80	11	8	40	0,18
43.74.07.20.2	35-150	7,5-15,7	80	13	8	40	0,18
43.74.07.30.2	35-150	7,5-15,7	80	15	8	40	0,18
43.74.07.40.2	150-240	15,7-20,2	95	17	8	42	0,25
43.74.09.40.4	240-450	20,2-28,0	110	17	8	46	1,55



vijčana kabelska stopica za Cu vodiče

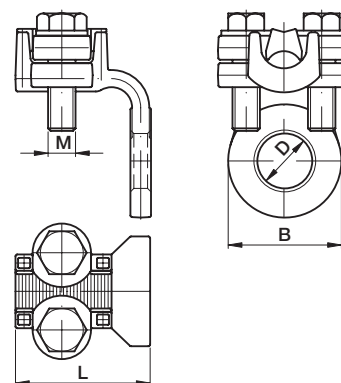
bimetallic cable lug for Cu conductors

materijal [material]:

tijelo [body]: Cu legura, DIN 1705 [Cu alloy, DIN 1705]

vijci [bolts]: čelik DIN 17200, vruće pocinčano [steel DIN 17200, hot dip galvanized]

kat. br. [cat. no]	presjek vodiča [crosssection] Ød (mm²)	promjer vodiča [conductor dia.] Ød (mm)	dimenzije [dimensions] (mm)				masa [mass] (kg)
			L	D	M	B	
74.75.10	10-95	3,5-12,5	39	11	8	32	0,150
74.75.20	10-95	3,5-12,5	39	13	8	32	0,145
74.75.30	10-95	3,5-12,5	39	15	8	32	0,140
74.77.10	35-150	7,5-15,7	45	11	8	40	0,230
74.77.20	35-150	7,5-15,7	45	13	8	40	0,225
74.77.30	35-150	7,5-15,7	45	15	8	40	0,220
74.79.40	150-240	15,7-20,2	60	17	10	42	0,360



vijčana kabelska stopica za Cu vodiče

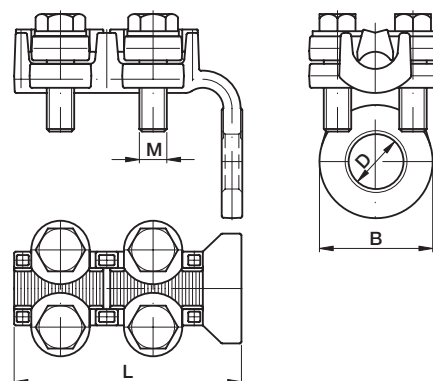
bimetallic cable lug for Cu conductors

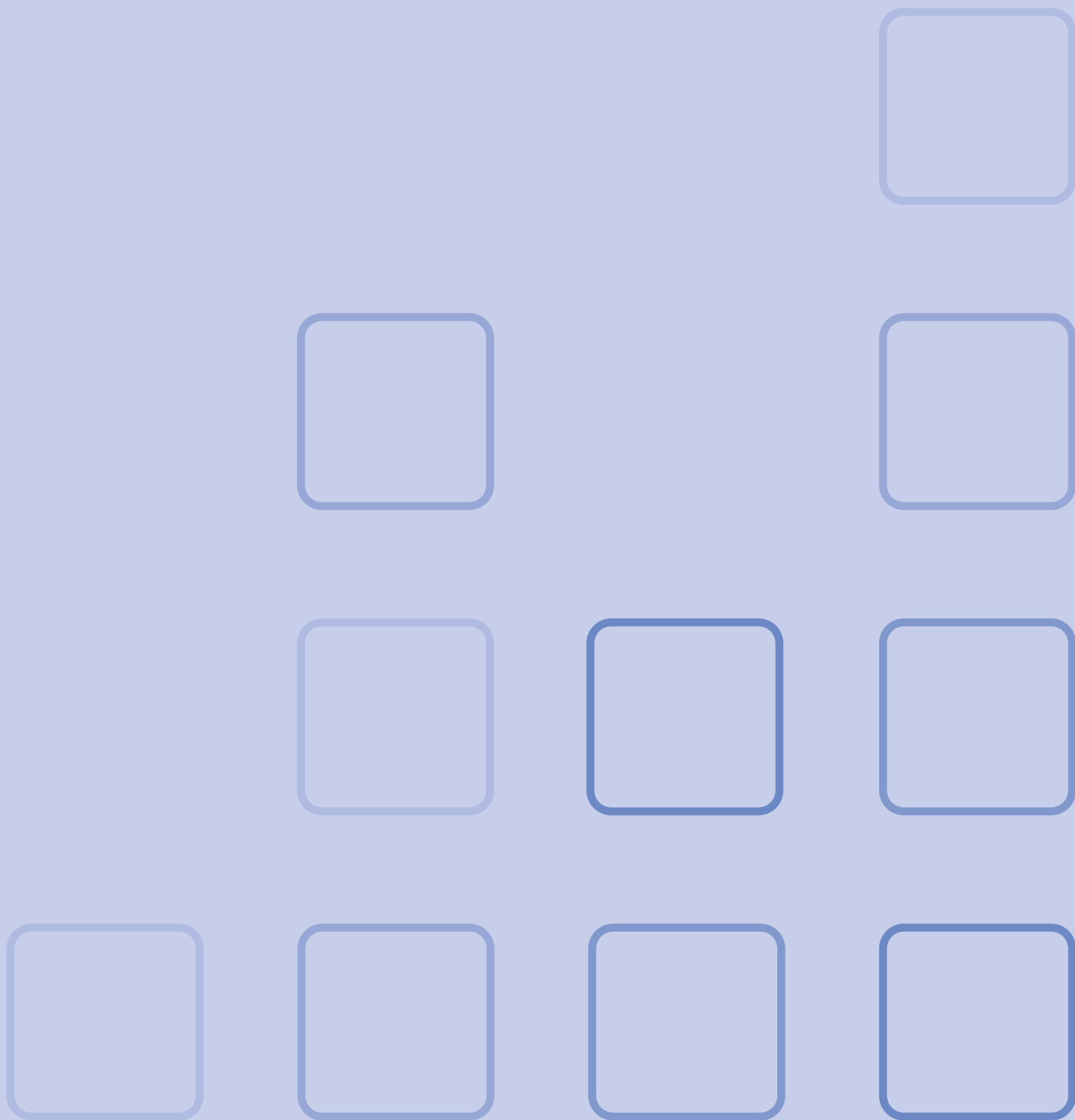
materijal [material]:

tijelo [body]: Cu legura, DIN 1705 [Cu alloy, DIN 1705]

vijci [bolts]: čelik DIN 17200, vruće pocinčano [steel DIN 17200, hot dip galvanized]

kat. br. [cat. no]	presjek vodiča [crosssection] Ød (mm²)	promjer vodiča [conductor dia.] Ød (mm)	dimenzije [dimensions] (mm)				masa [mass] (kg)
			L	D	M	B	
74.75.10.2	10-95	3,5-12,5	65	11	8	32	0,30
74.75.20.2	10-95	3,5-12,5	65	13	8	32	0,295
74.75.30.2	10-95	3,5-12,5	65	15	8	32	0,29
74.77.10.2	35-150	7,5-15,7	80	11	8	40	0,42
74.77.20.2	35-150	7,5-15,7	80	13	8	40	0,41
74.77.30.2	35-150	7,5-15,7	80	15	8	40	0,40
74.79.40.2	150-240	15,7-20,2	95	17	8	42	0,60
74.79.40.4	249-450	20,2-28,0	110	17	8	46	1,25





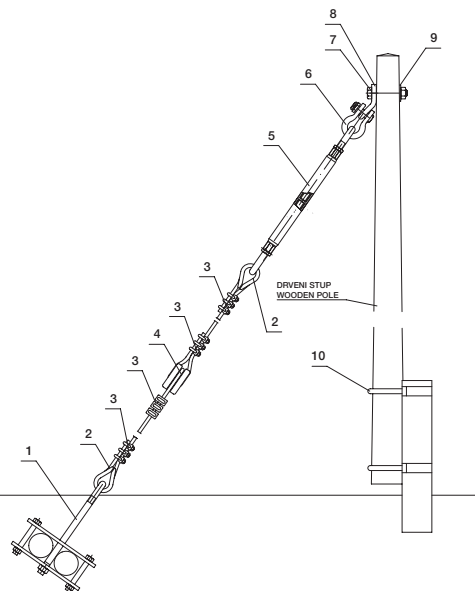
oprema za sidrenje stupova
[accessories for anchoring poles]



oprema za zatezanje ili sidrenje drvenih stupova izvedba zavješenja s vijčanim stezaljkama

equipment for pulling or anchoring wooden poles
performance attachments with bolted clamps

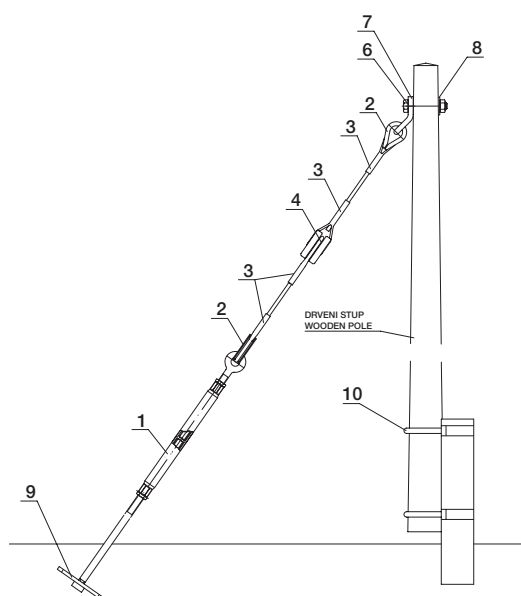
poz.[item]	kom [pcs.]	opis [description]	strana [page]
1	1	sidro za stup [stay rod]	183
2	2	uška [thimble]	144
3	12	vijčana stezaljka [bolted clamp]	144
4	1	izolator [insulator]	
5	1	zatezač [thurnbuckle]	
6	1	škopac [schackle]	134
7	1	vijak M20x300 (komplet) [bolt M20x300 (complete)]	169
8	1	držač zatege [dead end eye]	184
9	1	podložna pločica za drveni stup [curved washer for wooden pole]	184
10	2	obujmica [pole band]	182



oprema za zatezanje ili sidrenje drvenih stupova izvedba zavješenja s preformiranim prutevima

equipment for pulling or anchoring wooden poles
performance attachments with dead end preformed rods

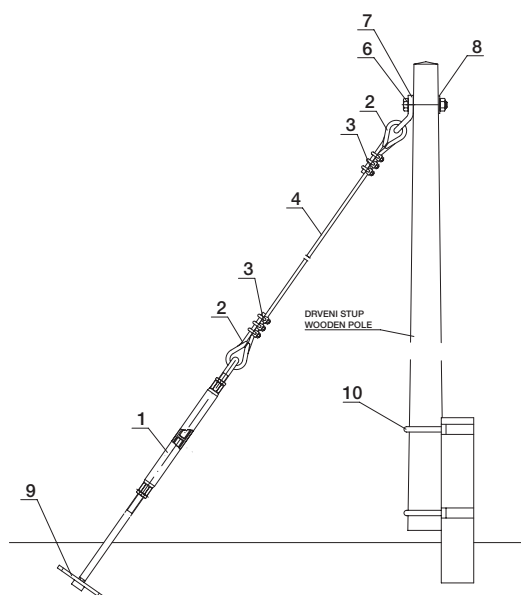
poz.[item]	kom [pcs.]	opis [description]	strana [page]
1	1	sidro za stup [stay rod]	183
2	2	uška [thimble]	144
3	4	završni preformirani prut [dead end preformed rod]	
4	1	izolator [insulator]	
5	1	čelično užje [steel wire]	
6	1	vijak M20x300 (komplet) [bolt M20x300 (complete)]	169
7	1	držač zatege [dead end eye]	184
8	1	podložna pločica za drveni stup [curved washer for wooden pole]	184
9	1	ploča [plate]	183
10	2	obujmica [pole band]	182



oprema za zatezanje ili sidrenje drvenih stupova izvedba zavješenja s vijčanim stezaljkama

equipment for pulling or anchoring wooden poles
performance attachments with bolted clamps

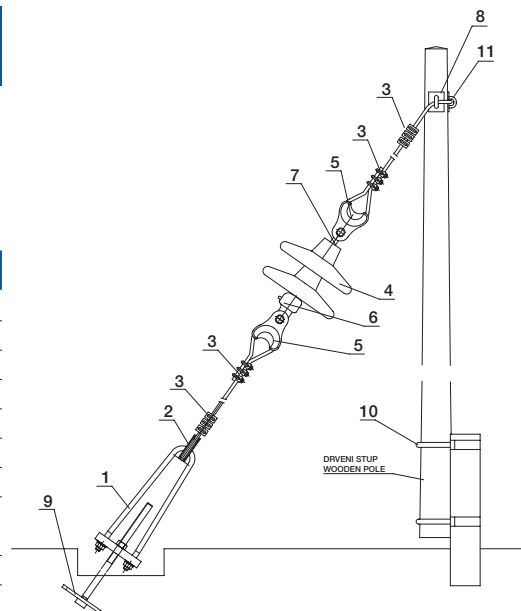
poz.[item]	kom [pcs.]	opis [description]	strana [page]
1	1	sidro za stup [stay rod]	183
2	2	uška [thimble]	144
3	12	vijčana stezaljka [bolted clamp]	144
4	1	čelično užje [steel wire]	
5	1	vijak M20x300 (komplet) [bolt M20x300 (complete)]	169
6	1	držač zatege [dead end eye]	184
7	1	podložna pločica za drveni stup [curved washer for wooden pole]	184
8	1	ploča [plate]	183
9	2	obujmica [pole band]	182



oprema za zatezanje ili sidrenje drvenih stupova izvedba zavješenja s vijčanim stezaljkama

equipment for pulling or anchoring wooden poles
performance attachments with bolted clamps

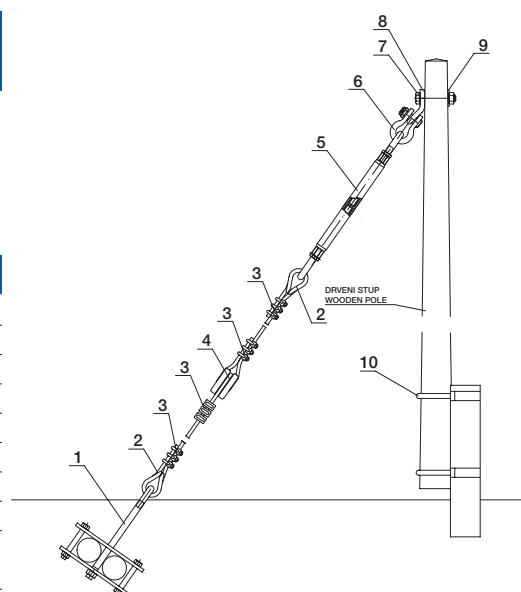
poz.[item]	kom [pcs.]	opis [description]	strana [page]
1	1	sidro za stup [stay rod]	183
2	2	uška [thimble]	144
3	4	vijčana stezaljka [bolted clamp]	144
4	1	izolator [insulator]	
5	1	kaušen vilica [clevis thimble type 1 or 2]	184
6	1	zdjelica s očkom [socket tongue]	139
7	1	batić s očkom [ball tongue]	136
8	1	podložna pločica za drveni stup [curved washer for wooden pole]	184
9	1	ploča [plate]	163
10	2	obujmica [pole band]	182
11	3	U-pričvršnik [U-fastener]	185



oprema za zatezanje ili sidrenje drvenih stupova izvedba zavješenja s vijčanim stezaljkama

equipment for pulling or anchoring wooden poles
performance attachments with bolted clamps

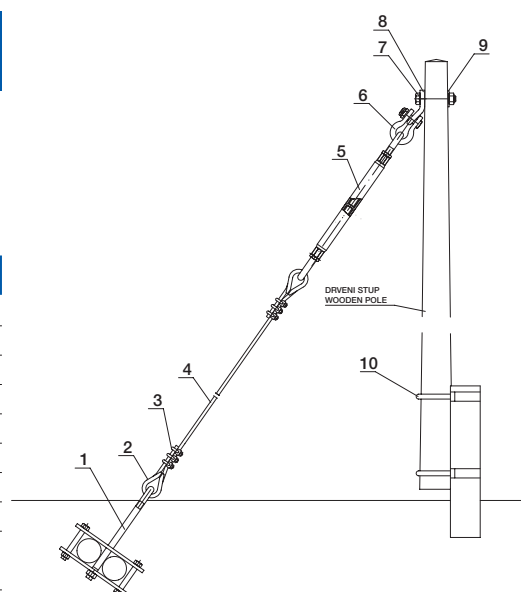
poz.[item]	kom [pcs.]	opis [description]	strana [page]
1	1	sidro za stup [stay rod]	183
2	2	uška [thimble]	144
3	12	vijčana stezaljka [bolted clamp]	144
4	1	izolator [insulator]	
5	1	zatezač [thurnbuckle]	
6	1	škopac [schackle]	
7	1	vijak M20x300 (komplet) [bolt M20x300 (complete)]	169
8	1	držač zatege [dead end eye]	185
9	1	podložna pločica za drveni stup [curved washer for wooden pole]	184
10	2	obujmica [pole band]	182



oprema za zatezanje ili sidrenje drvenih stupova izvedba zavješenja s vijčanim stezaljkama

equipment for pulling or anchoring wooden poles
performance attachments with bolted clamps

poz.[item]	kom [pcs.]	opis [description]	strana [page]
1	1	sidro za stup [stay rod]	183
2	2	uška [thimble]	144
3	6	vijčana stezaljka [bolted clamp]	144
4	1	čelično uže [steel wire]	
5	1	zatezač [thurnbuckle]	
6	1	škopac [schackle]	134
7	1	vijak M20x300 (komplet) [bolt M20x300 (complete)]	169
8	1	držač zatege [dead end eye]	185
9	1	podložna pločica za drveni stup [curved washer for wooden pole]	184
10	2	obujmica [pole band]	182

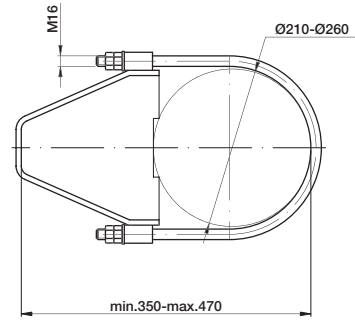


obujmice za drvene stupove

pole bands for wooden poles

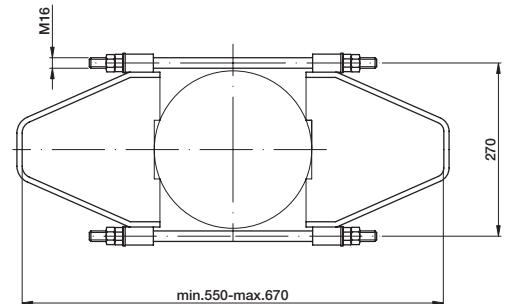
obujmica [pole band]

kataloški broj [cat no]:	43.19.260a
materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	4,10 kg



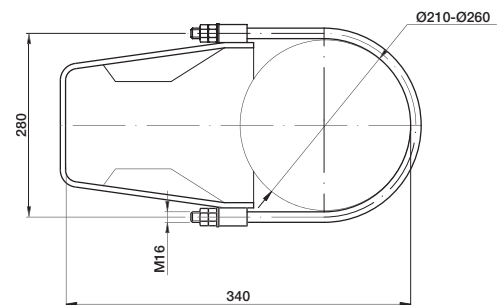
dvostruka obujmica [double pole band]

kataloški broj [cat no]:	43.19.270a
materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	6,20 kg



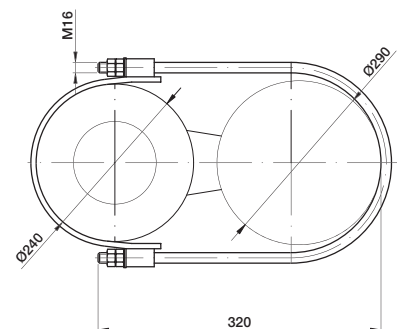
obujmica [pole band]

kataloški broj [cat no]:	43.19.280a
materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	4,20 kg



obujmica [pole band]

kataloški broj [cat no]:	43.19.290a
materijal [material]:	čelik, vruće pocinčano [steel, hot dip galvanized]
masa [mass]:	3,60 kg



1

1a

2

2a

3

3a

4

5

5a

6

6a

6b

7

8

9

10

11

12

sidro za stup

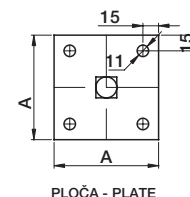
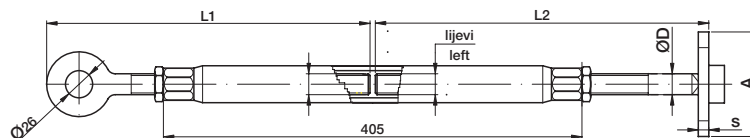
stay rod

materijal [material]:

vijak s očkom, sidrena motka, kovani čelik, vruće pocinčano

[bolt with eye, body of stay rod, drop forged steel, hot dip galvanized]

matice i ploča, čelik, vruće pocinčano [nuts and plate, steel, hot dip galvanized]



kat. br. [cat. no]	dimenzije [dimensions] (mm)					s	prekidna sila [min. breaking strength] (kN)	masa [mass] (kg) sidro+ploča [stay rod+plate]
	A	ØD	L ₁	L ₂	M			
43.85.02	460	20	305	2440	20	10	100	8.20+16.9=25.10
43.85.02A	-	22	305	3000	22	-	130	11.20+ - =11.20
43.85.02.2	100	20	305	2440	20	6	100	8.20+0.48=8.68
43.85.02.3	460	24	305	2440	24	10	174,6	11.60+16.9=28.50
43.85.02.5	100	24	305	2440	24	10	174,6	11.60+0.8=12.40
43.85.02.6	100	22	305	2440	22	10	174,6	11.30+0.8=11.90
43.85.04	100	18	305	3000	18	6	70	7.92+0.42=8.40
43.85.04.3	100	18	305	1830	18	10	70	6.80+0.80=6.60
43.85.11.9	450	22	305	2425	22	12	70	11.00+19.00=30.00
43.85.26	100	18	305	2440	18	6	60	6.82+0.48=7.30
43.85.39.2	100	20	305	1830	20	6	70	5.72+0.8=6.20

sidro za stup

stay rod - assembly

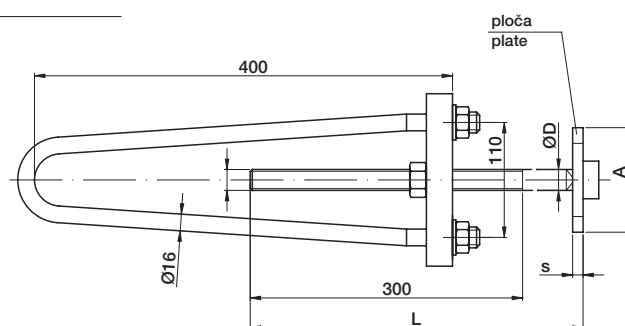
materijal [material]:

sidrena motka [body of stay rod]: kovani čelik, vruće pocinčano

[drop forged steel, hot dip galvanized]

nosači, matice i ploča [straps, nuts and plate]: čelik, vruće pocinčano

[steel, hot dip galvanized]



kat. br. [cat. no]	dimenzije [dimensions] (mm)					s	prekidna sila [min. breaking strength] (kN)	masa [mass] (kg) sidro+ploča [stay rod+plate]
	A	ØD	L	M				
43.85.51.3	150	20	2500	20	6	100	100	0.90+1.40=11.00
43.85.51.3A	100	22	2500	22	10	120	120	11.00+0.80=11.80
43.85.51.3B	100	18	2500	18	6	70	70	8.57+0.48=9.00

kaušen vilica

thimble clevis

materijal [material]:

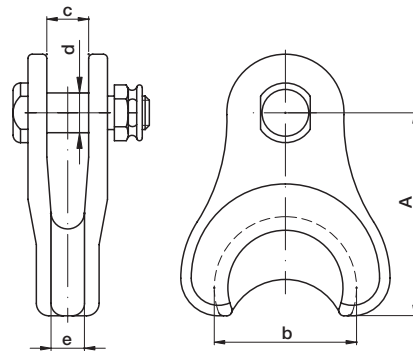
tijelo [body]: temper lijev, vruće pocinčano
[malleable iron, hot dip galvanized]

vijak 8.8 [bolt 8.8]: kovani čelik, vruće pocinčano
[drop forged steel, hot dip galvanized]

matica 8 [nut 8]: čelik, vruće pocinčano [steel, hot dip galvanized]

rascjepka [split pin]: nehrđajući čelik [stainless steel]

kat. br. [cat. no]	promjer žice [diameter of wire]	dimenzije [dimensions] (mm)					prekidna sila [min. breaking strenght] (kN)	masa [mass] (kg)
		a	b	c	d	e		
16.85.60A	6-12	77	60	14	13	14	60	0.40
16.85.60B	8-14	98	70	20	19	16	100	0.65
12.85.60C	14-30	110	70	22	22	32	230	1.25
12.85.60D	14-30	110	70	22	19	32	230	1.20



kaušen vilica

thimble clevis

materijal [material]:

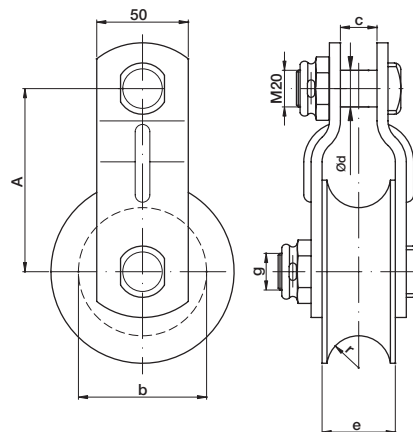
tijelo [body]: temper lijev, vruće pocinčano
[malleable iron, hot dip galvanized]

vijak 8.8 [bolts 8.8]: kovani čelik, vruće pocinčano
[drop forged steel, hot dip galvanized]

matica 8 [nuts 8]: čelik, vruće pocinčano [steel, hot dip galvanized]

rascjepka [split pin]: nehrđajući čelik [stainless steel]

kat. br. [cat. no]	dimenzije [dimensions] (mm)							prekidna sila [min. breaking strenght] (kN)	masa [mass] (kg)
	A	b	c	d	e	g	r		
16.85.50A	100	70	20	20	42	16	17.5	100	1.95
16.85.50B	100	70	20	16	42	16	17.5	120	1.95
12.85.50P	100	70	20	20	42	16	17.5	200	1.95



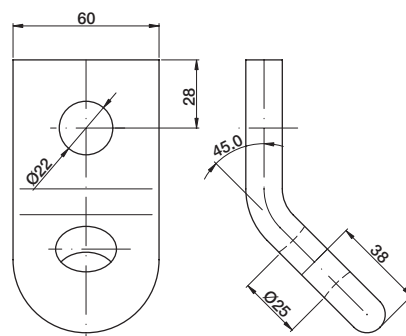
držač zatege

dead end eye

kataloški broj [cat. no]: 43.98.40.40

materijal [material]: kovani čelik, vruće pocinčano
[drop forged steel, hot dip galvanized]

masa [mass]: 0,78 kg



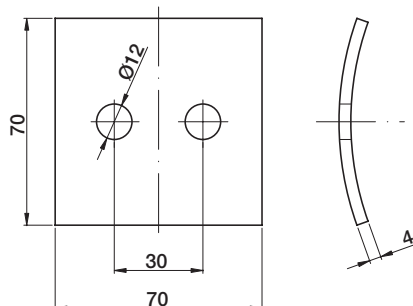
podložna ploča za drveni stup

curved washer for wooden pole

kataloški broj [cat. no]: 43.99.70

materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

masa [mass]: 0,15 kg



1

1a

2

2a

3

3a

4

5

5a

6

6a

6b

7

8

9

10

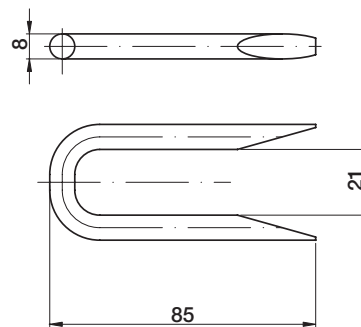
11

12

U - pričvršnik**U - fastener**

kataloški broj [cat. no]: 43.69.69

materijal [material]:	kovani čelik, vruće pocinčano [drop forged steel, hot dip galvanized]
masa [mass]:	0,07 kg



1

1a

2

2a

3

3a

4

5

5a

6

6a

6b

7

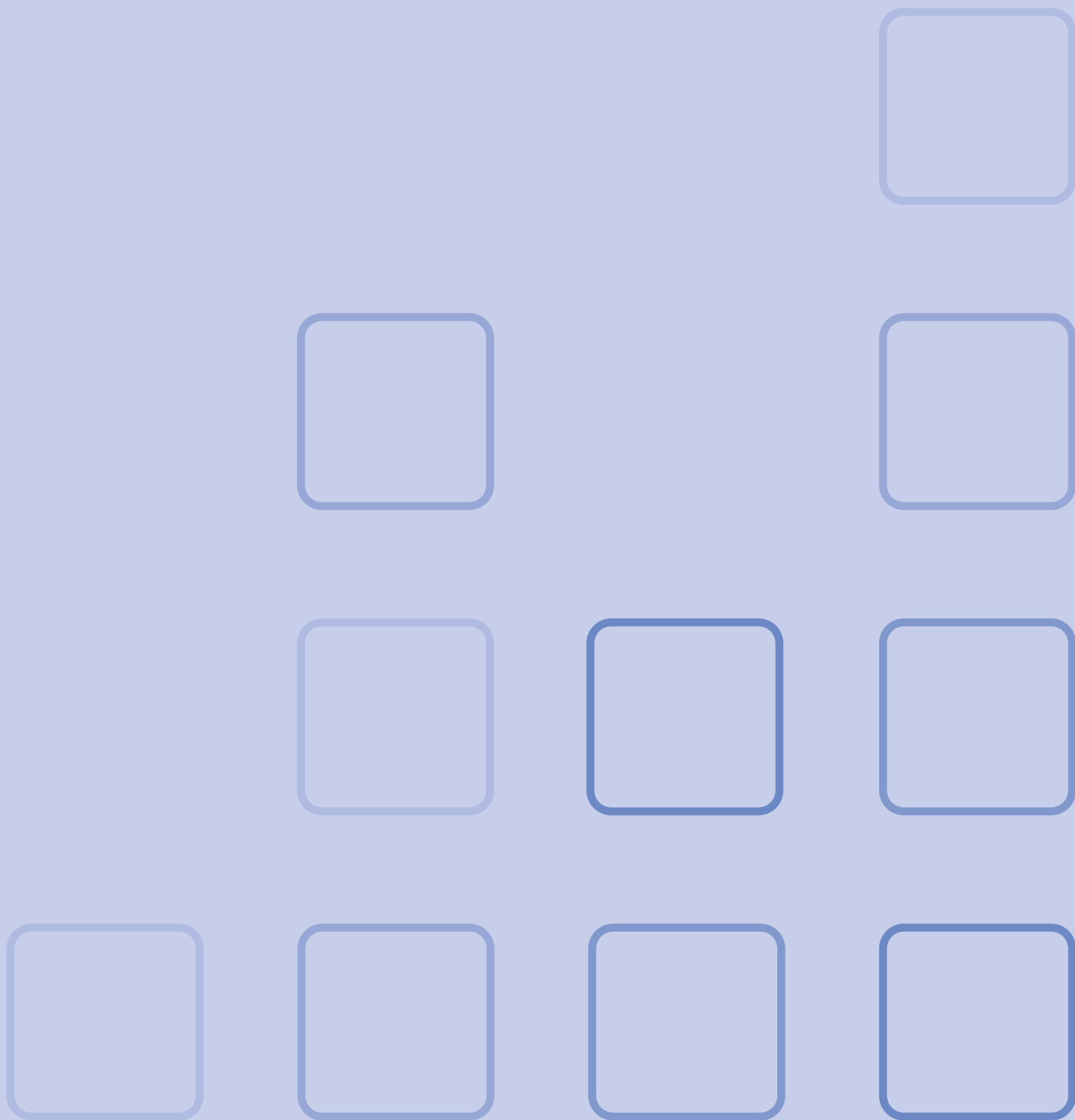
8

9

10

11

12

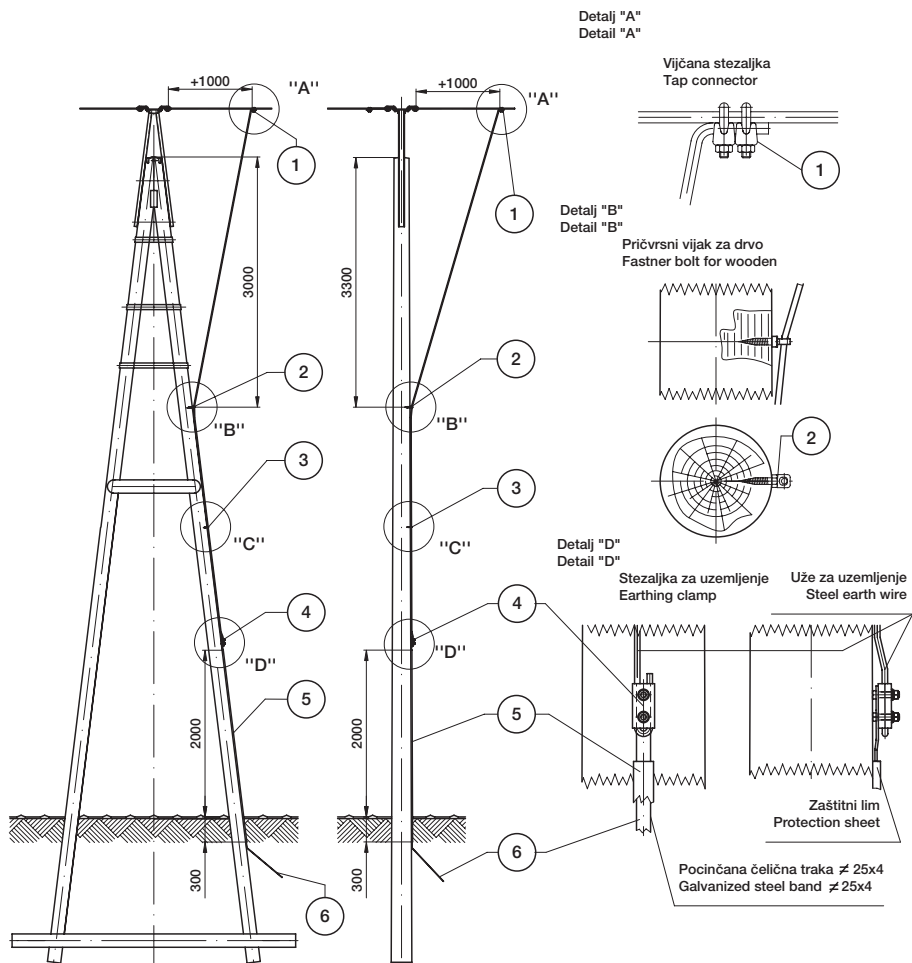


oprema za uzemljenje stupova
[accessories for earthing poles]

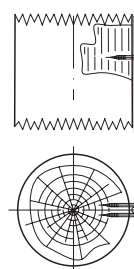
12

uzemljenje na drvenim stupovima sa čeličnim užetom

earthing for wooden poles with steel wire

izvedba uzemljenja na a stupu
earthing on the a wooden poleizvedba uzemljenja na nosnom stupu
earthing on the suspension pole

poz.[item]	kom [pcs.]	opis [description]	strana [page]
1	2	vijčana stezaljka [tap connector]	144
2	1	pričvrсни vijak za drvo [fastener bolt for wooden]	199
3	4	"U" pričvršnik za drvo ["U" fastener]	185
4	1	stezaljka za uzemljenje [earthing clamp]	199
5	1	zaštitni lim [protection sheet metal]	
6	1	pocinčana čelična traka [galvanized steel band]	

Detalj "C"
Detail "C""U" pričvršnik za drvo
"U" fastener bolt for wooden

1

1a

2

2a

3

3a

4

5

5a

6

6a

6b

7

8

9

10

11

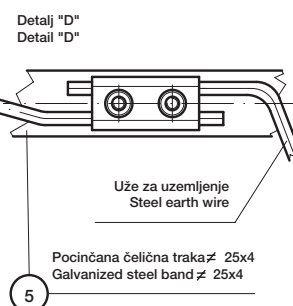
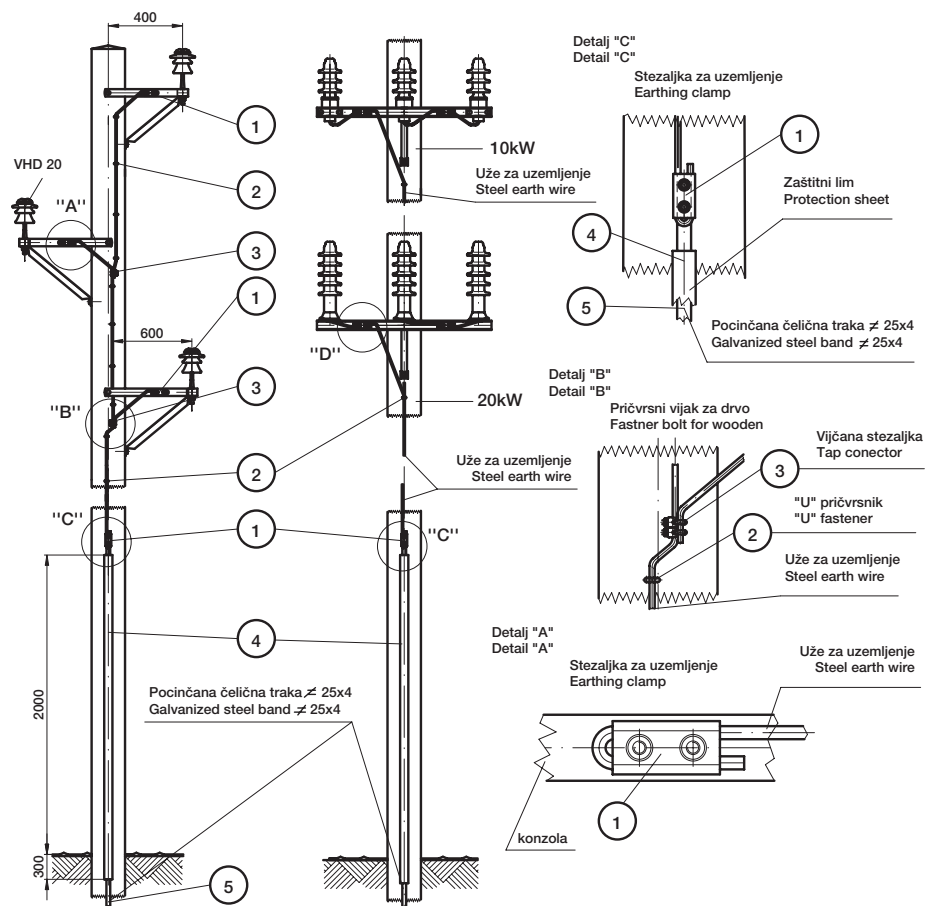
12

uzemljenje za drvene stupove sa čeličnim konzolama i čelične konzole odvodnika prednapona sa čeličnim užetom

earthing for wooden poles with steel armbraces and steel armbraces transformer bushing with steel wire

uzemljenje čeličnih konzola
earthing steel armbraces

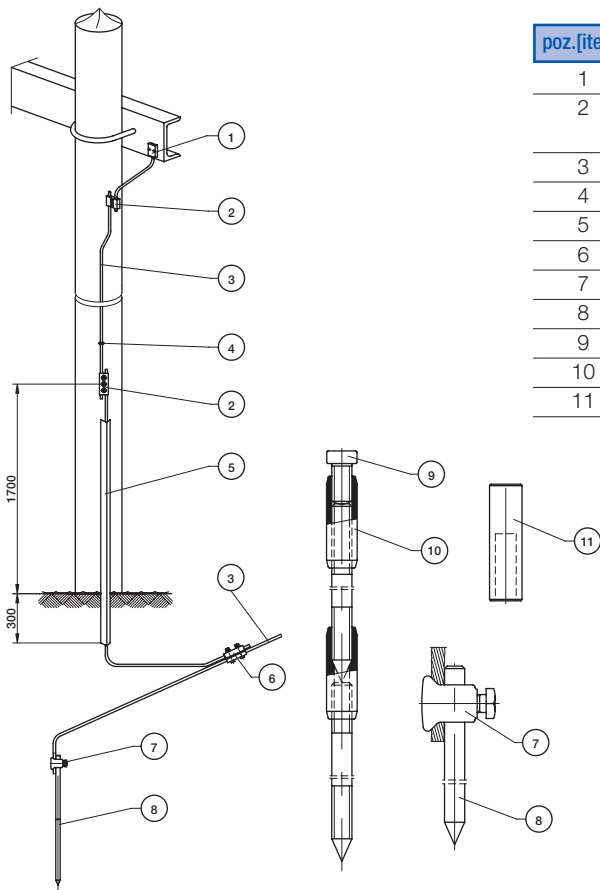
uzemljenje konzola odvodnika prednapona
earthing steel armbraces transformer



poz.[item]	kom [pcs.]	opis [description]	strana [page]
1	4	stezaljka za uzemljenje [earthing clamp]	199
2	12	"U" pričvrtnik za drvo ["U" fastener]	185
3	4	vijčana stezaljka [tap connector]	144
4	1	zaštitni lim [protection sheet metal]	
5	1	pocinčana čelična traka [galvanized steel band]	

uzemljenje za drvene stupove i čelične konzole s bakrenim užetom

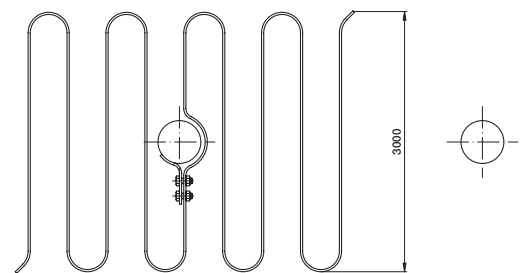
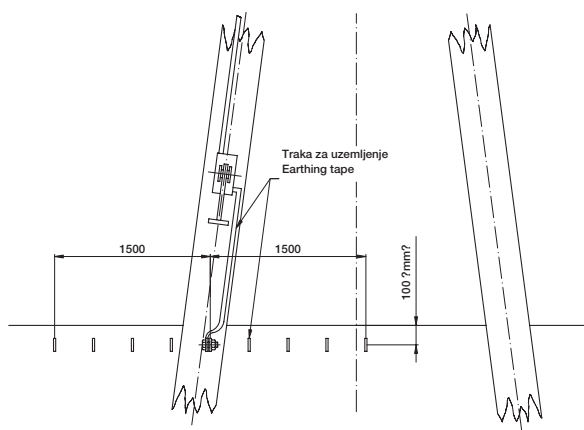
earthing for wooden poles and steel armbraces with cooper wire



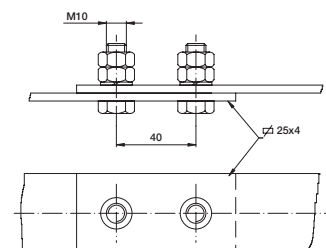
poz.[item]	kom [pcs.]	opis [description]	strana [page]
1	1	stezaljka za uzemljenje [earthing clamp]	166
2	2	stezaljka za uzemljenje za drvene stupove [earthing clamp for wooden pole]	199
3	1	bakreno uže za uzemljenje [cooper wire for earthing]	
4	10	"U" pričvrtnik za drvo ["U" fastener for wooden]	185
5	1	zaštitni lim [protection sheet metal]	
6	1	Cu-stezaljka za uzemljenje [Cu-earthing clamp]	197
7	1	stezaljka za sondu [grounding connector]	
8	1	sonda za uzemljenje [grounding rod]	193
9	1	vijak [driving bolt]	194
10	1	nastavna glava [muff coupling]	195
11	1	udarna glava [driving piece]	195

uzemljenje rasklopnog uređaja - rastavljača na drvenom stupu

earthing disconnector switch - disconnector on the wooden pole



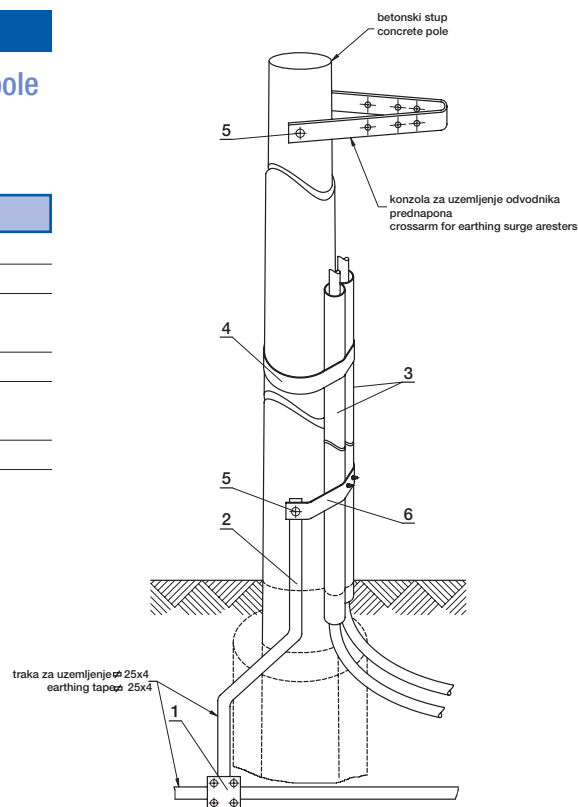
poz.[item]	kom [pcs.]	opis [description]	strana [page]
1	1	stezaljka za uzemljenje [earthing clamp]	166
2	2	stezaljka za uzemljenje za drvene stupove [earthing clamp for wooden pole]	199
3	1	bakreno uže za uzemljenje [cooper wire for earthing]	
4	10	"U" pričvrtnik za drvo ["U" fastener for wooden]	185
5	1	zaštitni lim [protection sheet metal]	
6	1	Cu-stezaljka za uzemljenje [Cu-earthing clamp]	197
7	1	stezaljka za sondu [grounding connector]	
8	1	sonda za uzemljenje [grounding rod]	193
9	1	vijak [driving bolt]	194
10	1	nastavna glava [muff coupling]	195
11	1	udarna glava [driving piece]	195

detalj vezanja traka za uzemljenje
detail connection tapes for earthing

uzemljenje i mehanička zaštita kabela na betonskom stupu

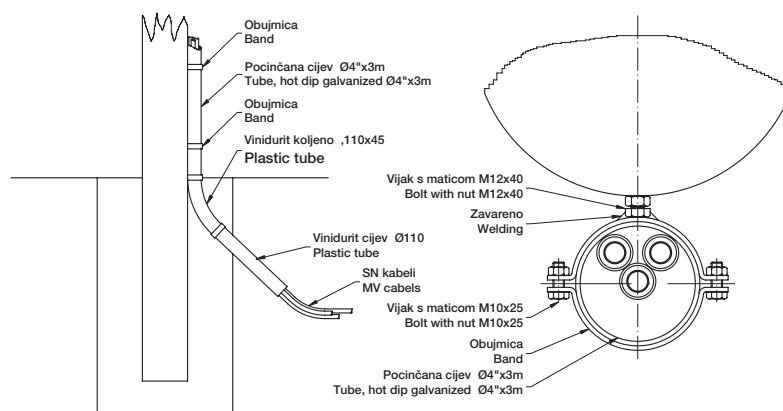
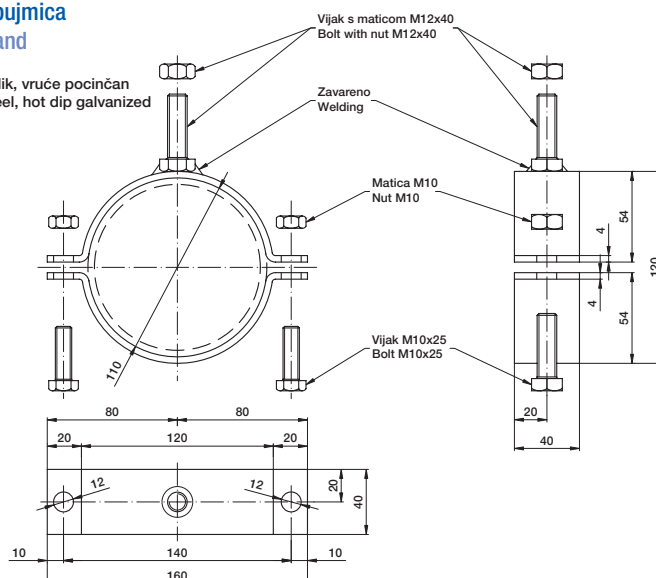
earthing and mechanical protection cable on the concrete pole

poz.[item]	kom [pcs.]	opis [description]
1	1	križna stezaljka za uzemljenje [cross earthing clamp]
2	2	traka za uzemljenje [earthing tape]
3	2	zaštitna čelična ili plastična cijev [protection steel or plastic tube]
4	-	obujmica za cijev i stup [pole and tubes band]
5	-	vijak za uzemljenje M12x40 [bolt for earthing M12x40]
6	-	držač cijevi [fastener for tubes]



obujmice i mehaničke zaštite kabela uz betonski stup

bands and mechanical protection at the concrete pole

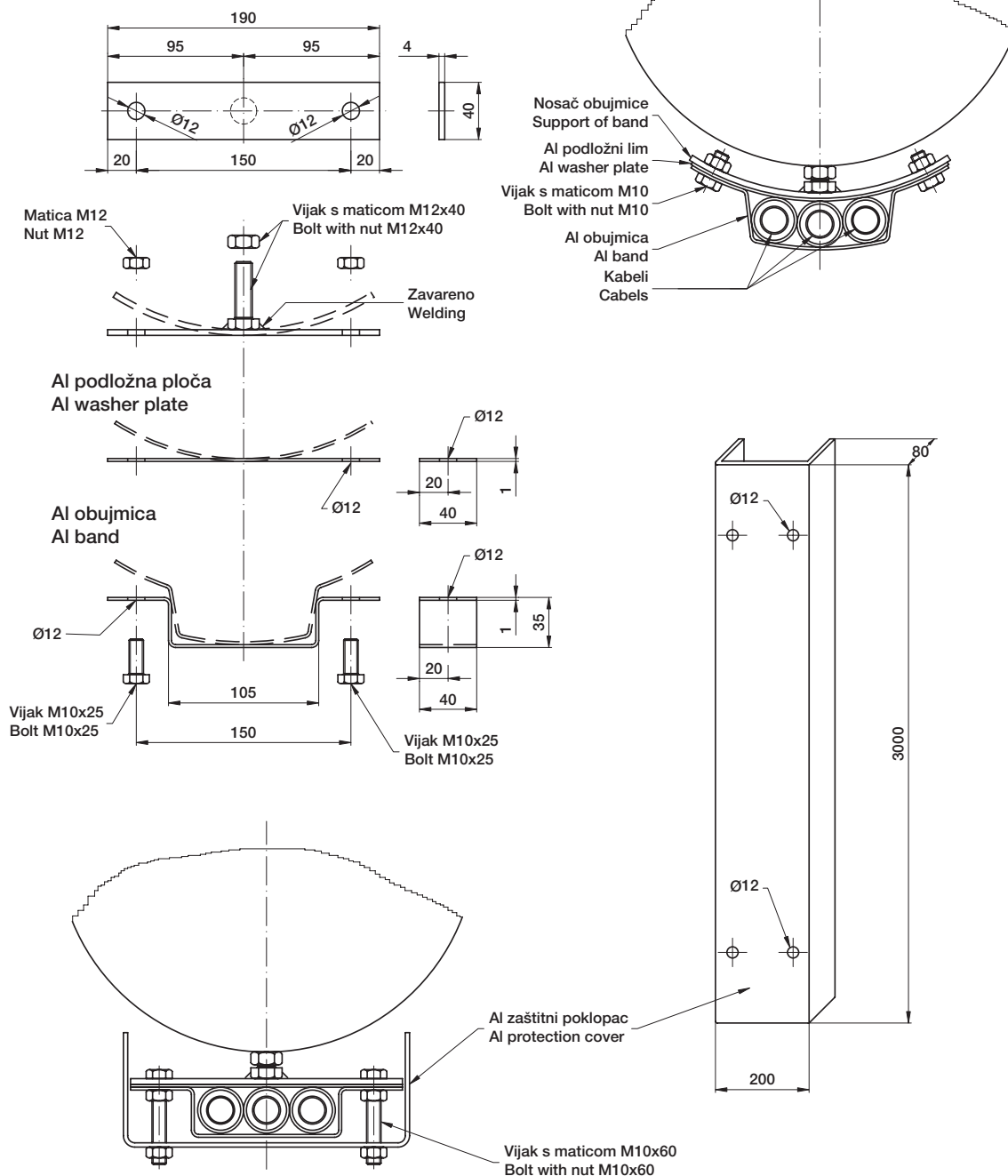
obujmica
bandčelik, vruće pocinčan
steel, hot dip galvanized

obujmice, nosači i mehanička zaštita srednje naponskih kabela uz betonski stup

bands, supports and mechanical protection for midle voltage single cables at the concrete pole

Nosač\Support

čelik, vruće pocinčan
steel, hot dip galvanized

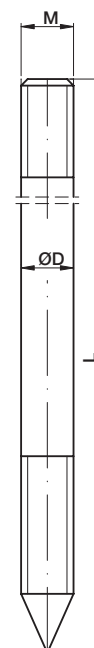


motka za uzemljenje

grouding rod

kat. br. [cat. no]	dimenzije [dimensions] (mm)			masa [mass] (kg)
	L	ØD	M	
43.08.62.10	1220	14	14	1,43
43.08.62.20	1525	14	14	1,79
43.08.62.30	1830	14	14	2,20
43.08.62.40	2135	14	14	2,55
43.08.62.50	2440	14	14	2,90
43.08.62.60	2745	14	14	3,25
43.08.62.70	3050	14	14	3,62
43.08.64.10	1220	16	16	1,90
43.08.64.20	1525	16	16	2,40
43.08.64.30	1830	16	16	2,87
43.08.64.40	2135	16	16	3,38
43.08.64.50	2440	16	16	3,90
43.08.64.60	2745	16	16	4,35
43.08.64.70	3050	16	16	4,85
43.08.66.20	1525	20	20	3,80
43.08.66.30	1830	20	20	4,55
43.08.66.40	2135	20	20	5,35
43.08.66.50	2440	20	20	6,10
43.08.66.60	2745	20	20	6,85
43.08.66.70	3050	20	20	7,65
43.08.68.50	2440	24	24	9,50
43.08.68.70	3050	24	24	11,85

materijal [material]: Cu, DIN 1705

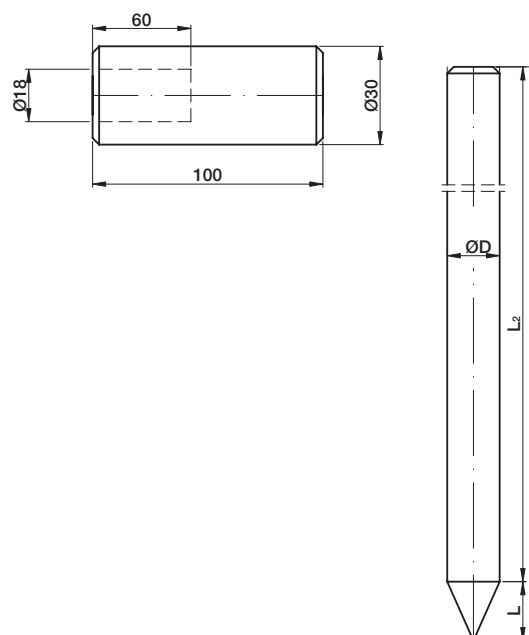


motka za uzemljenje

grouding rod

kat. br. [cat. no]	dimenzije [dimensions] (mm)				masa [mass] (kg)
	L	L ₂	L ₁	ØD	
43.08.08	2450	2420	30	16	4,75
43.08.20	2500	2470	30	16	4,90
43.08.26	1500	1470	30	16	3,10
43.08.29	3000	2970	30	16	5,35
43.08.38	1220	1190	30	16	2,75
43.08.41	3500	3470	30	16	6,70
43.08.29.70	3050	3010	37	16	4,85

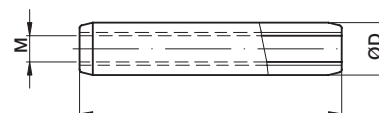
materijal [material]: Cu, DIN 1705

udarna glava [driving piece]: čelik 17200, vruće pocinčano
[steel DIN 17200, hot dip galvanized]

nastavna čahura

driving piece

kat. br. [cat. no]	dimenzije [dimensions] (mm)			masa [mass] (kg)
	L	ØD	d	
43.08.60.10	70	20	14	0,13
43.08.60.20	75	25	16	0,23
43.08.60.30	85	30	20	0,37
43.08.60.40	100	35	24	0,60



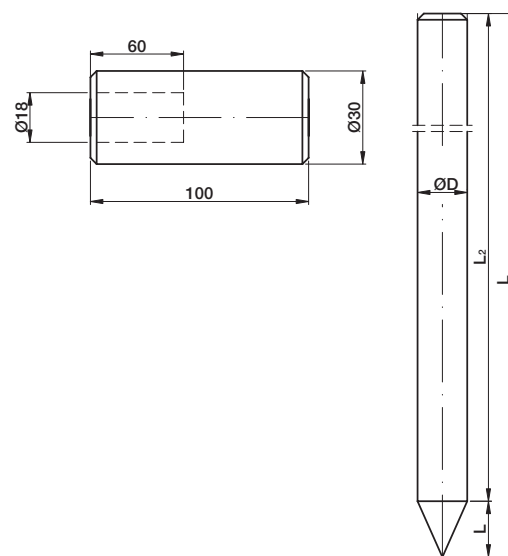
materijal [material]: Cu, DIN 1705

motka za uzemljenje

grounding rod

kat. br. [cat. no]	dimenzije [dimensions] (mm)				masa [mass] (kg)
	L	L ₂	L ₁	ØD	
43.08.65.50	2440	2440	37	20	6,15
43.08.65.70	2440	2440	37	20	7,70
43.08.68.70	3000	3000	37	24	12,50

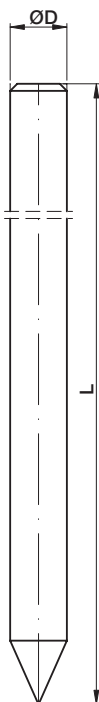
materijal [material]: Cu legura, DIN 1705 [copperweld, DIN 1705]
 udarna glava [driving piece]: čelik 17200, vruće pocinčano
 [steel DIN 17200, hot dip galvanized]



motka za uzemljenje

grounding rod

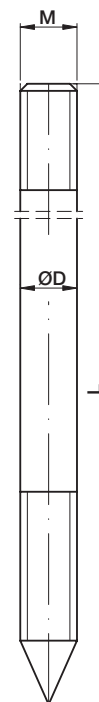
kat. br. [cat. no]	dimenzije [dimensions] (mm)		masa [mass] (kg)
	L	ØD	
43.08.51.10	1220	14	1,45
43.08.51.20	1525	14	1,80
43.08.51.30	1830	14	2,20
43.08.51.40	2135	14	2,55
43.08.51.50	2440	14	2,90
43.08.51.60	2745	14	3,25
43.08.51.70	3050	14	3,60
43.08.53.20	1220	16	1,90
43.08.53.30	1525	16	2,40
43.08.53.40	1830	16	2,85
43.08.53.50	2135	16	3,35
43.08.53.50	2440	16	3,85
43.08.53.60	2745	16	4,30
43.08.53.70	3050	16	4,80
43.08.55.20	1525	20	3,75
43.08.55.30	1830	20	4,50
43.08.55.40	2135	20	5,25
43.08.55.50	2440	20	6,00
43.08.55.60	2745	20	6,75
43.08.55.70	3050	20	7,50
43.08.57.50	2440	25	9,40
43.08.57.70	3050	25	11,75



motka za uzemljenje

grounding rod

kat. br. [cat. no]	dimenzije [dimensions] (mm)			masa [mass] (kg)
	L	ØD	ØD	
43.08.52.10	1220	14	14	1,40
43.08.52.20	1525	14	14	1,75
43.08.52.30	1830	14	14	2,15
43.08.52.40	2135	14	14	2,50
43.08.52.50	2440	14	14	2,85
43.08.52.60	2745	14	14	3,20
43.08.52.70	3050	14	14	3,55
43.08.54.20	1220	16	16	1,85
43.08.54.30	1525	16	16	2,35
43.08.54.40	1830	16	16	2,80
43.08.54.50	2135	16	16	3,30
43.08.54.50	2440	16	16	3,80
43.08.54.60	2745	16	16	4,25
43.08.54.70	3050	16	16	4,75
43.08.56.20	1525	20	20	3,70
43.08.56.30	1830	20	20	4,45
43.08.56.40	2135	20	20	5,20
43.08.56.50	2440	20	20	5,95
43.08.56.60	2745	20	20	6,70
43.08.56.70	3050	20	20	7,45
43.08.58.50	2440	24	24	9,30
43.08.58.70	3050	24	24	11,65

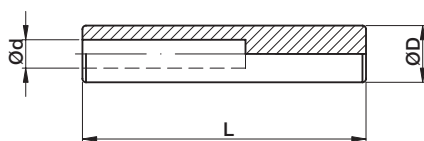


materijal [material]: čelik DIN 17200, vruće pocinčano
 [steel DIN 17200, hot dip galvanized]

materijal [material]: čelik DIN 17200, vruće pocinčano
 [steel DIN 17200, hot dip galvanized]

udarna glava

driving piece

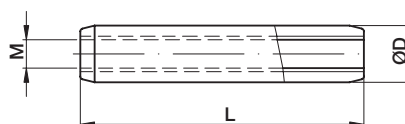


kat. br. [cat. no]	dimenzije [dimensions] (mm)			masa [mass] (kg)
	L	ØD	Ød	
43.08.59.14	100	30	16	0,48
43.08.59.16	100	30	18	0,45
43.08.59.20	100	34	22	0,55
43.08.59.25	100	40	27	0,70
43.08.59.70	100	38	26	0,62

materijal [material]: čelik DIN 17200, vruće pocinčano
[steel DIN 17200, hot dip galvanized]

nastavna glava

muff coupling



kat. br. [cat. no]	dimenzije [dimensions] (mm)			masa [mass] (kg)
	L	ØD	M	
43.08.50.10	70	20	14	0,11
43.08.50.20	75	25	16	0,20
43.08.50.30	85	30	20	0,32
43.08.50.40	100	35	24	0,50

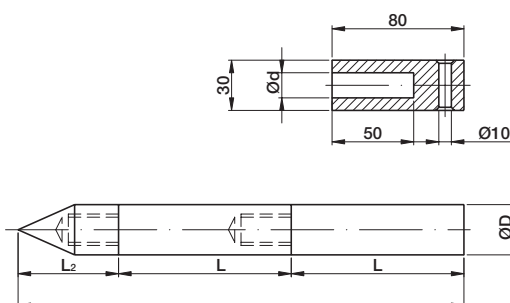
materijal [material]: čelik DIN 17200, vruće pocinčano
[steel DIN 17200, hot dip galvanized]

motka za uzemljenje

grouding rod

kat. br. [cat. no]	dimenzije [dimensions] (mm)					masa [mass] (kg)
	L	L ₁	L ₂	ØD	Ød	
43.08.35	2480	2480	40	16	18	4,70

materijal [material]: Cu, DIN 1705

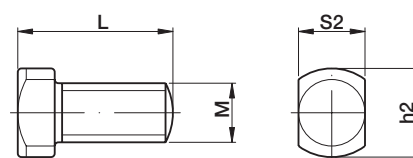


vijak

driving bolt

kat. br. [cat. no]	dimenzije [dimensions] (mm)				masa [mass] (kg)
	L	M	S2	h2	
43.08.50.50	50	14	17	20	0,07
43.08.50.60	55	16	19	25	0,12
43.08.50.70	65	20	24	30	0,22
43.08.50.80	75	24	30	35	0,35

materijal [material]: čelik DIN 17200, vruće pocinčano
[steel DIN 17200, hot dip galvanized]

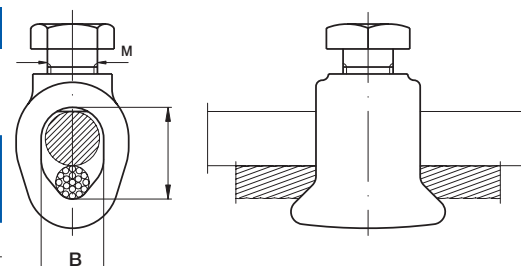


stezaljka za uzemljenje

ground connector

kat. br. [cat. no]	prut Ø rod dia. (mm)	vodič Ø conductor dia. (mm)	dimenzije [dimensions] (mm)			masa [mass] (kg)
			M	A	B	
43.09.50.10	14	2,6-8,1	12	22	15	0,12
43.09.50.20	16	3,3-9,3	12	29	18	0,20
43.09.50.30	20	3,3-10,0	12	32	22	0,25
43.09.50.40	25	6,5-12,5	12	40	27	0,35

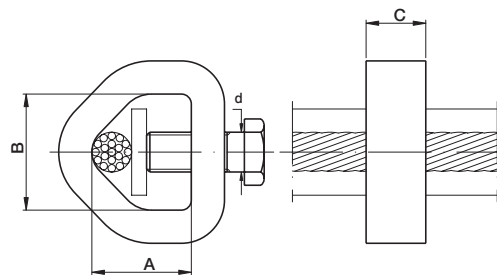
materijal [material]:
tijelo [body]: Cu legura, DIN 1705 [Cu alloy, DIN 1705]
vijak [bolt]: nehrđajući čelik [stainless steel]



stezaljka ze uzemljenje

ground connector

kat. br. [cat. no]	prut Ø rod dia. (mm)	vodič Ø conductor dia. (mm)	dimenzije [dimensions] (mm)				masa [mass] (kg)
			M	A	B	C	
43.09.21	16	30X4	12	30	35	25	0,35
43.09.21.20	20	30X4	12	35	35	30	0,40



materijal [material]:

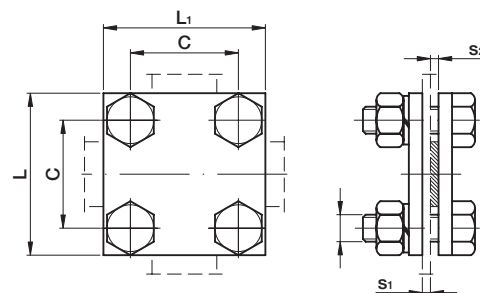
tijelo [body]: Cu legura, DIN 1705 [Cu alloy, DIN 1705]

vijak [bolt]: nehrđajući čelik [stainless steel]

križna stezaljka za uzemljenje - za dvije trake

cross grounding clamp - for two tape

kat. br. [cat. no]	traka [tape] (mm)	dimenzije [dimensions] (mm)						masa [mass] (kg)
		L	L ₁	C	s ₁	s ₂	M	
43.09.01	25X3	60	60	40	3	3	10	0,45



materijal [material]:

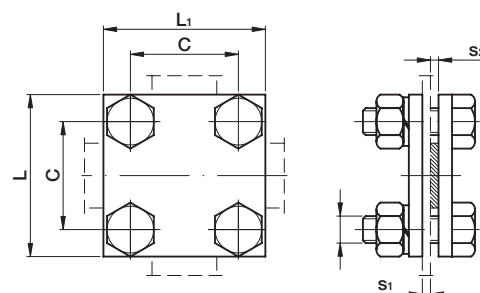
tijelo [body]: čelik DIN 17200 [steel DIN 17200]

vijci [bolts]: čelik DIN 17200, vruće pocinčano [steel DIN 17200, hot dip galvanized]

križna stezaljka za uzemljenje - za dvije trake

cross grounding clamp - for two tape

kat. br. [cat. no]	traka [tape] (mm)	dimenzije [dimensions] (mm)						masa [mass] (kg)
		L	L ₁	C	s ₁	s ₂	M	
43.09.30	40X5	80	80	52	5	5	10	0,62



materijal [material]:

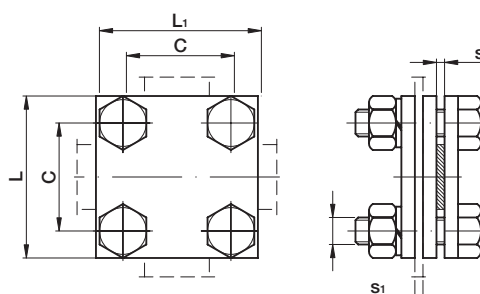
tijelo [body]: Cu, DIN 1705

vijci [bolts]: nehrđajući čelik [stainless steel]

križna stezaljka za uzemljenje - za dvije trake

cross grounding clamp - for two tape

kat. br. [cat. no]	traka [tape] (mm)	dimenzije [dimensions] (mm)						masa [mass] (kg)
		L	L ₁	C	s ₁	s ₂	M	
43.09.33	25X4	60	60	40	4	4	10	0,33
43.09.33A	40X4	60	60	40	4	4	10	0,33
43.09.30.80	40X4	80	80	60	5	5	8	0,52
43.09.33.30	25X4	60	60	40	4	4	8	0,35
43.09.90.30	40X4	90	90	60	5	5	8	0,55



materijal [material]:

tijelo [body]: čelik DIN 17100 [steel DIN 17100]

vijci [bolts]: čelik DIN 17100, vruće pocinčano [steel DIN 17100, hot dip galvanized]

stezaljka za uzemljenje - za jednu traku

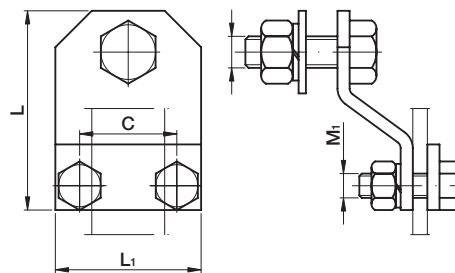
ground connector - for one tape

kat. br. [cat. no]	traka [tape] (mm)	dimenzije [dimensions] (mm)					masa [mass] (kg)
		L	L ₁	C	M ₁	M	
43.09.33	25x4	76	66	50	10	12	0,33

materijal [material]:

tijelo i poklopac [body and cover]: čelik DIN 17100 [steel DIN 17100]

vijci [bolts]: čelik DIN 17100, vruće pocinčano [steel DIN 17100, hot dip galvanized]

**stezaljka za uzemljenje - za čelično užje i čeličnu traku**

grounding clamp - for steel cable and steel tape

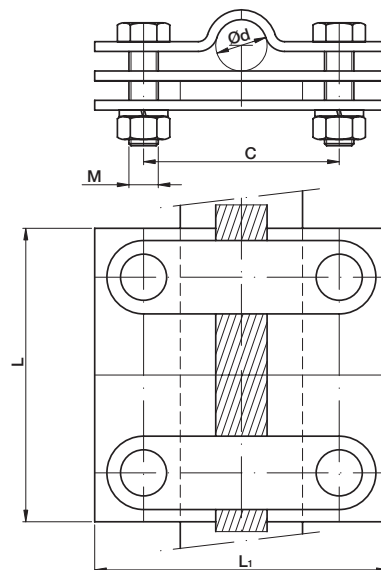
kat. br. [cat. no]	traka [tape] (mm)	uže Ød [cable Ød] (mm)	dimenzije [dimensions] (mm)					masa [mass] (kg)
			L	L ₁	C	s	M	
43.09.35	25X4	10,5	60	60	40	4	6X30	0,25

materijal [material]:

poklopac [cover]: čelik DIN 17100 [steel DIN 17100]

vijci [bolts]: čelik DIN 17100, vruće pocinčano DIN 50976

[steel DIN 17100, hot dip galvanized DIN 50976]

**stezaljka za uzemljenje - za Cu užje i Cu traku**

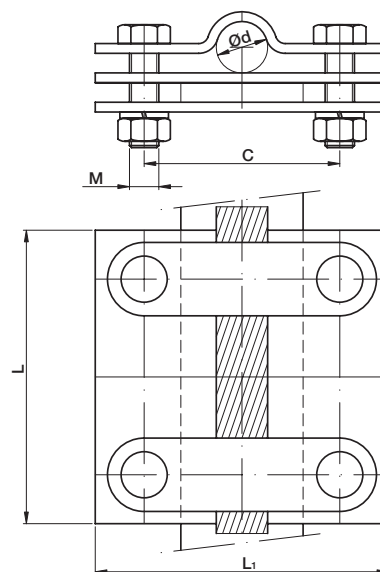
grounding clamp - for Cu cable and Cu tape

kat. br. [cat. no]	traka [tape] (mm)	uže Ød [cable Ød] (mm)	dimenzije [dimensions] (mm)					masa [mass] (kg)
			L	L ₁	C	s	M	
43.09.34	25X4	12,5	60	60	40	4	6X30	0,29

materijal [material]:

poklopac [cover]: Cu DIN 1705

vijci [bolts]: nehrđajući čelik A2 70 [stainless steel A2 70]



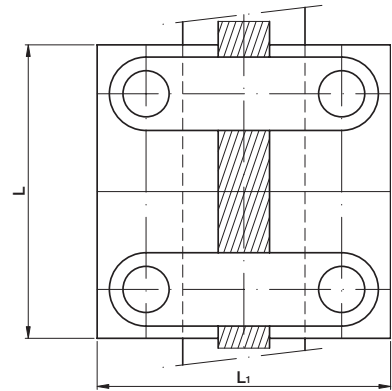
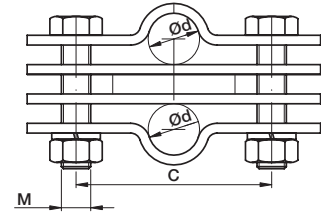
stezaljka za uzemljenje - za dvostruko čelično užje i čeličnu traku

grounding clamp - for double steel cable and steel tape

kat. br. [cat. no]	traka [tape] (mm)	uže Ød [cable Ød] (mm)	dimenzije [dimensions] (mm)					masa [mass] (kg)
			L	L ₁	C	s	M	
43.09.35.20	25X4	12,5	60	60	40	4	6X40	0,31

materijal [material]:

poklopac [cover]: čelik DIN 17100 [steel DIN 17100]

vijci [bolts]: čelik DIN 17100, vruće pocinčano DIN 50976
[steel DIN 17100, hot dip galvanized DIN 50976]**stezaljka za uzemljenje - za dvostruko Cu užje i Cu traku**

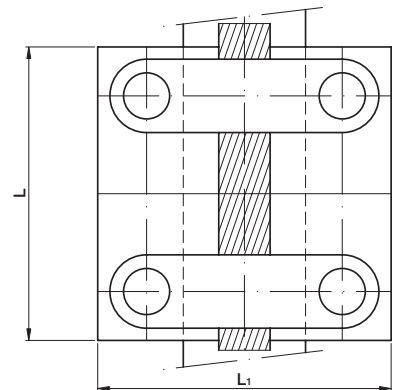
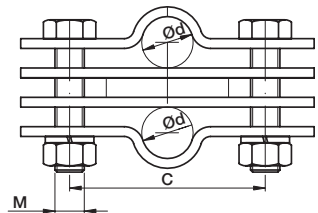
grounding clamp - for double Cu cable and Cu tape

kat. br. [cat. no]	traka [tape] (mm)	uže Ød [cable Ød] (mm)	dimenzije [dimensions] (mm)					masa [mass] (kg)
			L	L ₁	C	s	M	
43.09.34.20A	25X4	12,5	60	60	40	4	6X40	0,36

materijal [material]:

poklopac [cover]: Cu DIN 1705

vijci [bolts]: nehrđajući čelik A2 70 [stainless steel A2 70]

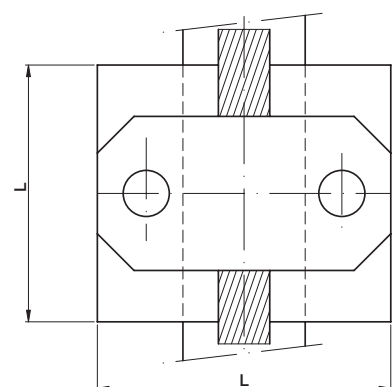
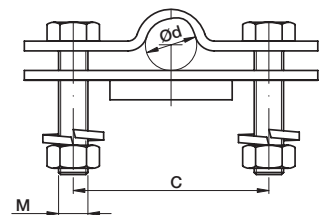
**stezaljka za uzemljenje - za čelično užje i čeličnu traku**

grounding clamp - for steel cable and steel tape

kat. br. [cat. no]	traka [tape] (mm)	uže Ød [cable Ød] (mm)	dimenzije [dimensions] (mm)				masa [mass] (kg)
			L	L ₁	C	M	
43.09.42	25X4	10,5	50	60	42	8X40	0,20

materijal [material]:

poklopac [cover]: čelik DIN 17100 [steel DIN 17100]

vijci [bolts]: čelik DIN 17100, vruće pocinčano DIN 50976
[steel DIN 17100, hot dip galvanized DIN 50976]

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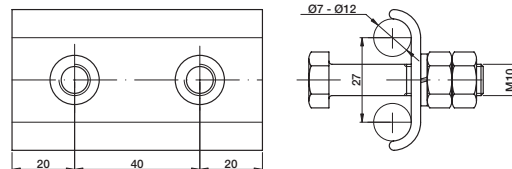
vezna stezaljka za uzemljenje

earthing clamp

materijal:

tijelo [body]: čelični lim [steel sheet]

vijci [bolts]: čelik, vruće pocinčano [steel, hot dip galvanized]



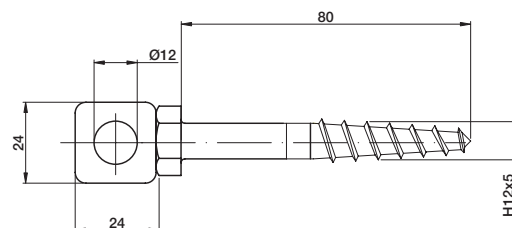
pričvrtni vijak za drveni stup

fastener bolt for wooden pole

materijal:

tijelo [body]: čelični lim [steel sheet]

vijci [bolts]: čelik, vruće pocinčano [steel, hot dip galvanized]

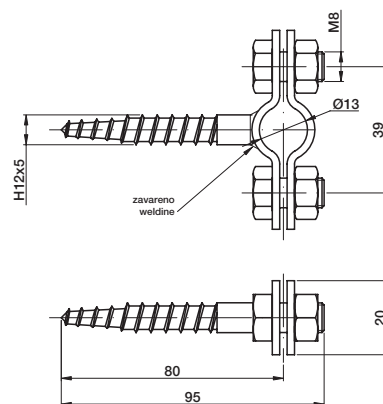


potporni vijak za drveni stup

fastener bolt for wooden pole

kat. br. [cat. no]: 43.19.53

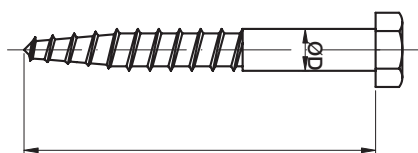
materijal [material]: čelik, vruće cinčano [steel, hot dip galvanized]



vijak za drvo

bolt for wooden pole

materijal [material]: čelik, vruće cinčano [steel, hot dip galvanized]



dimenzije [dimensions] (mm)	masa [mass] (kg)
6x70	1,60
8x65	2,40
10x50	3,40
10x70	4,50
12x80	7,00
12x100	9,20
12x140	12,00

bakrena stezaljka za uzemljenje za drvene stupove

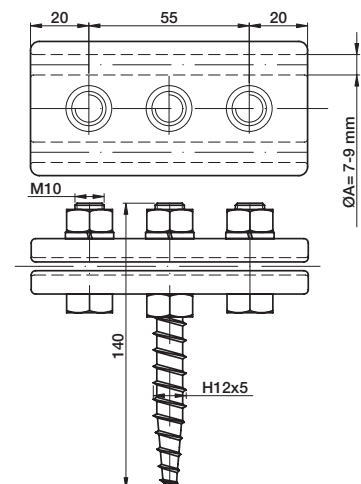
copper earthing clamp for wooden poles

kat. br. [cat. no] 43.73.74

masa [mass] 0,85 kg

materijal:

tijelo [body]: Cu legura, DIN 1705 [Cu alloy DIN 1705]

vijci, matice [bolts, nuts]: podložne pločice, čelik, vruće pocinčano
[washers steel, hot dip galvanized]

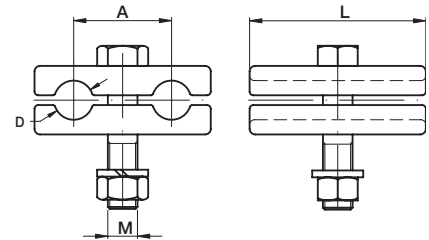
stezaljka za uzemljenje za cu, copperweld i čeličnu užad

ground connector for cu, copperweld and steel wires

materijal [material]:

tijelo i poklopac [body and cover]: bakar, el. pocinčano [Cu, el. galvanized]

vijak [bolt]: čelik, vruće pocinčano [steel, hot dip galvanized]



kat. br. [cat. no]	promjer vodiča [conductor diameter] Ø (mm)	dimenzije [dimensions] (mm)			masa [mass] (kg)
		M	A	L	
73.22.06	7,50	12	30	50	0,35
73.22.07	9,00	12	30	50	0,34
73.22.08	10,50	12	30	50	0,33
73.22.08.30	10,50	12	30	24	0,18
73.22.09	12,50	12	30	50	0,32
73.22.10	14,00	12	30	50	0,31
73.22.61	14,00-16,00	16	34	50	0,50

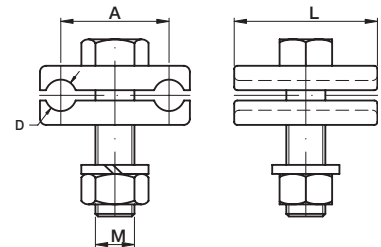
stezaljka za uzemljenje za čeličnu užad

ground connector for steel wires

materijal [material]:

tijelo i poklopac [body and cover]: bakar, el. pocinčano [Cu, el. galvanized]

vijak [bolt]: čelik, vruće pocinčano [steel, hot dip galvanized]



kat. br. [cat. no]	promjer vodiča [conductor diameter] Ø (mm)	dimenzije [dimensions] (mm)			masa [mass] (kg)
		M	A	L	
43.73.16	7,00-10,00	12	30	50	0,35
73.21.23	8,00-12,50	12	30	50	0,32
73.21.24	10,00-12,50	12	34	50	0,35

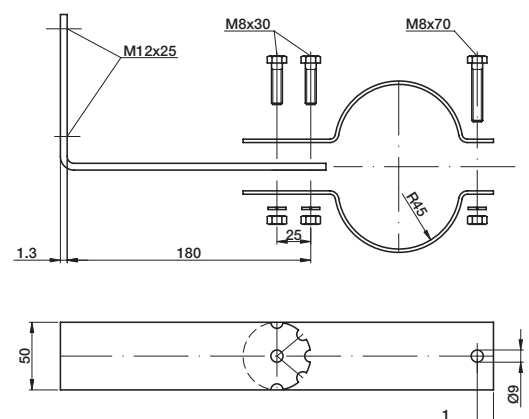
materijal [material]: čelik, vruće pocinčano [steel, hot dip galvanized]

nosač odvodnika prednapona

support of surge arrester

materijal [material]:

čelik, vruće cinčano [steel, hot dip galvanized]



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