



ovjesna i spojna oprema
suspension & jointing equipment



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DALEKOVOD ACTIVITIES

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

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

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 elektroenergetskih kabela

Design:

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

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 i cijevnih stupova za rasvjetu prometnica, sportskih objekata, željezničkih stanica i dr.,
- čeličnih konstrukcija raznih namjena,
- čeličnih zaštitnih ograda za cestovne prometnice,
- svih vrsta odljevaka od obojenih metala

Production:

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

Izgradnja:

- niskonaponskih mreža,
- sredjenaponskih 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 vatrodaju na prometnicama kao i opreme za sustav daljinskog upravljanja.

Erection:

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

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 garanciju kvalitete, pouzdanosti i funkcionalnosti opreme u pogonu.

Our half century long experience in development, design and production of suspension and jointing equipment, testing results and experience from building and service of transmission lines are a guarantee of the quality, reliability and functionality of this equipment.

DALEKOVOD d.d. je jedna od vodećih svjetskih tvrtki za proizvodnju ovjesne i spojne opreme, potpuno izvezno orijentirana, tako da danas oko 80 % svojih proizvoda prodaje na međunarodnom tržištu.

DALEKOVOD d.d. is today one of the leading worldwide companies in production of suspension and jointing equipment, mainly oriented for export, so that today is assigned for international market about 80 % of all products.

Proizvodni program ovjesne i spojne opreme temelji se na vlastitom istraživanju, razvoju i unapređenju, tj. **DALEKOVOD** d.d. nema nikakvih licencnih obaveza.

Production program of suspension and jointing equipment has establish on own research, development and improvement, i.e. **DALEKOVOD** d.d. has not any licence obligations.

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

DALEKOVOD 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** što uključuje angažiranost svih učesnika procesa rada te svih službi na postizanju kvalitete proizvoda.

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

Ovaj katalog predstavlja samo dio tipskih rješenja izolatorskih lanaca i zavješena zaštitnih užadi koja se najčešće koriste u praksi gradnje dalekovoda.

Budući da je naš proizvodni program vrlo širok, u mogućnosti smo ponuditi i druga rješenja izolatorskih lanaca i zavješena zaštitnih užadi te opreme za vodiče.

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

Products from our production program have been manufacturing in own production workshops by means of technologies for forging, casting, machining, welding, sand blasting, hot dip galvanizing, plastification, mounting and other.

DALEKOVOD d.d. in own production has special tool workshop for production of all tools, devices and facilities which are necessary for quoted technologies.

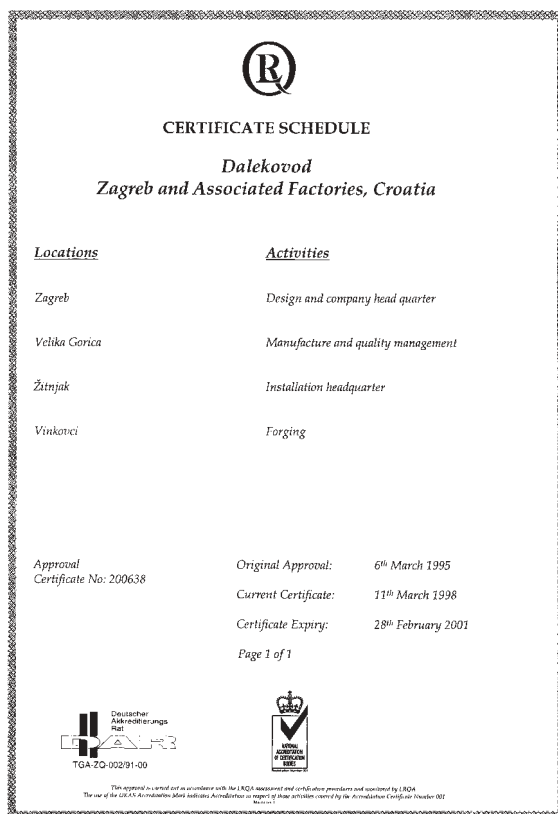
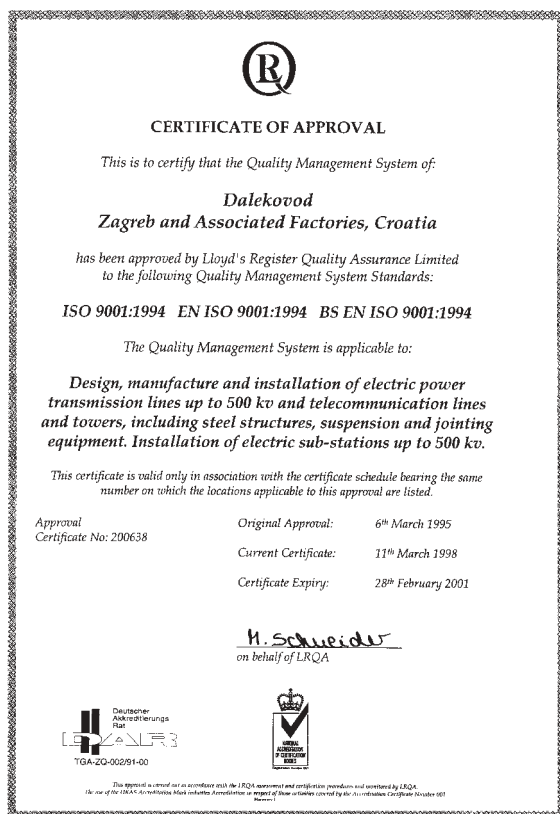
Quality assurance has been organized according to **ISO 9001** standard regulations and it includes engagement of all participants in the work process and all departments to achieve quality assurance.

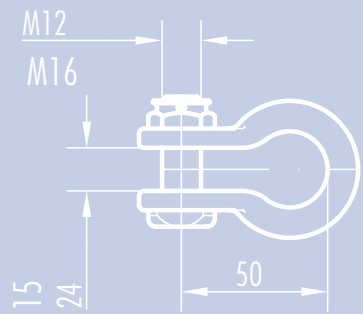
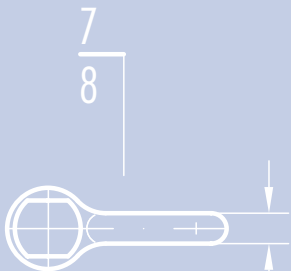
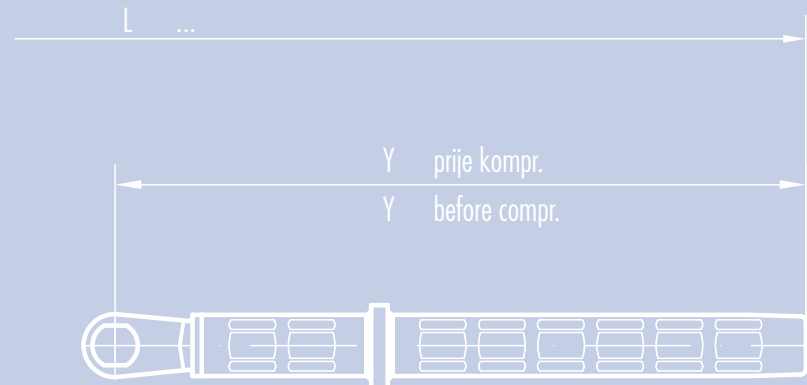
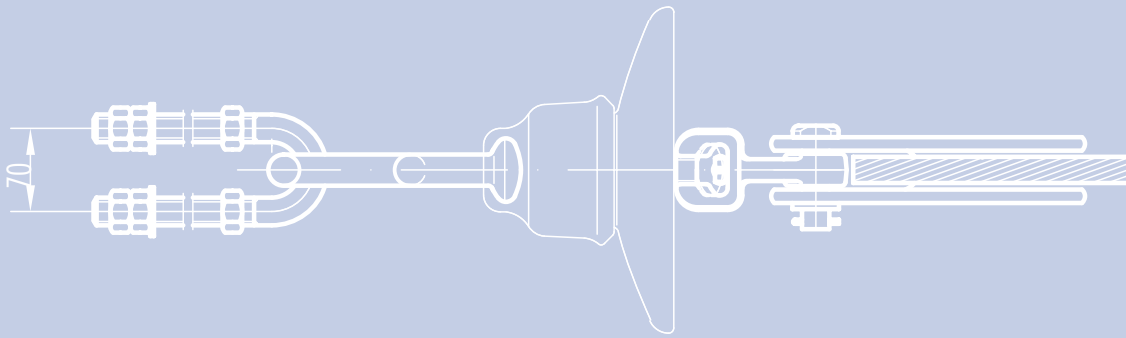
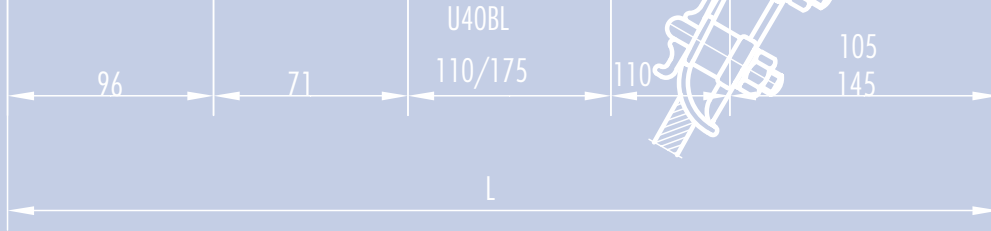
All necessary testing, developing, type, routine and testing at technical acceptance are carrying out in electro-mechanical and chemical laboratories and testing fields.

This catalogue contains only a part of typical solutions of insulator strings and earth wire attachments which are the most frequently used in the building of transmission lines.

Since our production program is very wide, we can offer and other solutions of insulator strings and earth wire attachments and accessories for conductors.

For suspension and jointing equipment which are not stated in this catalogue it is necessary to send a inquiry with relevant technical documentation as the base for preparation of drawings and complete offer.





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OPĆI TEHNIČKI PODACI I UPUTSTVA

GENERAL DATA AND RECOMMENDATIONS

GENERAL DATA AND RECOMMENDATIONS

KARAKTERISTIKE VODIČA ZA NADZEMNE VISOKONAPONSKE VODOVE
CHARACTERISTICS OF OVERHEAD HIGH VOLTAGE LINE CONDUCTORS

ALUČELIČNI VODIČI, Al-Fe / ALUMINIUM CONDUCTORS STEEL REINFORCED - ACSR

prema / acc. to DIN 48204, CSA C49, ASTM B 232, BS 215, NF C-34-120

Naziv vodiča Code name	Promjer vodiča Overall diameter mm	Promjer jezgre Core diameter mm	Konstrukcija vodiča / Conductor stranding				Presjek / Section			Izračunata prekidna sila Calculated breaking strength daN	Masa Mass kg/km
			Aluminij / Aluminium		Čelik / Steel		Aluminij Aluminium mm ²	Čelik Steel mm ²	Presjek vodiča Overall section mm ²		
			Broj žica Wire number	Promjer žice Wire diameter mm	Broj žica Wire number	Promjer žice Wire diameter mm					
WREN	3,99	1,33	6	1,33	1	1,33	8,37	1,39	9,76	340	34
MOLE	4,49	1,498	6	1,498	1	1,498	10,56	1,76	12,32	415	43
WARBLER	4,48	1,496	6	1,496	1	1,496	10,50	1,75	12,25	420	42
	4,80	1,60	6	1,60	1	1,60	12,06	2,10	14,07	435	49
TURKEY	5,04	1,68	6	1,68	1	1,68	13,30	2,22	15,52	530	54
BANTAM	5,04		3	1,68	4	1,68	6,651		15,52	1190	88
	5,10	1,70	6	1,70	1	1,70	13,62	2,27	15,89	491	55
16/2,5	5,40	1,80	6	1,80	1	1,80	15,24	2,54	17,78	606	61
COLIBRI	5,52	1,84	6	1,84	1	1,84	15,95	2,66	18,61	630	64
THRUSH	5,67	1,89	6	1,89	1	1,89	16,77	2,81	19,58	660	68
	5,70	1,90	6	1,90	1	1,90	16,98	2,83	19,81	605	69
19	6,00	2,00	6	2,00	1	2,00	18,84	3,14	21,98	698	76
SQUIRREL	6,30	2,10	6	2,10	1	2,10	20,97	3,50	24,47	739	85
	6,33	2,11	6	2,11	1	2,11	21,06	3,51	24,56	780	85
MAGPIE	6,36		3	2,12	4	2,12	10,59		24,71	1890	140
SWAN	6,36	2,12	6	2,12	1	2,12	22,15	3,53	24,68	830	85
	6,75	2,25	6	2,25	1	2,25	23,88	3,98	27,86	848	96
SWANATE	6,53	2,61	7	1,96	1	2,61	21,12	5,35	26,47	1050	101
25/4	6,8	2,25	6	2,25	1	2,25	23,8	4,00	27,8	940	96
RONDINE	6,96	2,32	6	2,32	1	2,32	25,36	4,23	25,59	965	102
	7,05	2,35	6	2,35	1	2,35	26,04	4,34	30,38	926	105
GOPHER	7,08	2,36	6	2,36	1	2,36	26,32	4,37	30,69	980	106
SWALLOW	7,14	2,38	6	2,38	1	2,38	26,67	4,44	31,11	1015	108
	7,50	2,50	6	2,50	1	2,50	29,46	4,91	34,37	1048	119
WEASEL	7,77	2,59	6	2,59	1	2,59	31,61	5,27	36,88	1154	127
SHRIKE	8,01		3	2,67	4	2,67	16,8		39,20	2900	222
SPARROW	8,01	2,67	6	2,67	1	2,67	33,63	5,60	39,23	1260	136
35/6	8,10	2,70	6	2,70	1	2,70	34,26	5,71	39,97	1290	138
SPARATE	8,24	3,30	7	2,47	1	3,30	33,54	8,55	42,09	1620	160
FOX	8,38	2,79	6	2,79	1	2,79	36,77	6,11	42,88	1343	148
	8,40	2,80	6	2,80	1	2,80	36,96	6,16	43,12	1314	149
FRINGUELLO	8,70	2,90	6	2,90	1	2,90	39,63	6,61	46,23	1470	160
FERRET	8,99	2,997	6	2,997	1	2,997	42,30	7,05	49,35	1575	170
ROBIN	9,00	3,002	6	3,002	1	3,002	42,42	7,07	49,49	1575	171
GROUSE	9,32	4,24	8	2,54	1	4,24	40,54	14,12	54,66	2315	224
	9,45	3,15	6	3,15	1	3,15	46,80	7,80	54,60	1600	189
50/8	9,60	3,20	6	3,20	1	3,20	48,60	8,05	56,65	1740	196
	10,0	6,00	12	2,00	7	2,00	37,70	21,99	59,69	3250	278
RABBIT	10,05	3,35	6	3,35	1	3,35	52,97	8,81	61,78	1862	214
	10,08	3,36	6	3,36	1	3,36	53,22	8,87	62,09	1890	215
SNIPE	10,11		3	3,37	4	3,37	26,76		62,44	4470	354
RAVEN	10,11	3,37	6	3,37	1	3,37	53,48	8,92	62,40	1925	216
CORVO	10,32	3,44	6	3,44	1	3,44	55,76	9,29	65,05	2005	225
GUFO	10,44	3,84	26	1,65	7	1,28	55,60	9,03	64,72	2114	226
58	10,50	3,50	6	3,50	1	3,50	57,73		67,35	1980	233

KARAKTERISTIKE VODIČA ZA NADZEMNE VISOKONAPONSKE VODOVE CHARACTERISTICS OF OVERHEAD HIGH VOLTAGE LINE CONDUCTORS

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Naziv vodiča Code name	Promjer vodiča Overall diameter mm	Promjer jezgre Core diameter mm	Konstrukcija vodiča / Conductor stranding				Presjek / Section			Izračunata prekidna sila Calculated breaking strength daN	Masa Mass kg/km
			Aluminij / Aluminium		Čelik / Steel		Aluminij Aluminium mm ²	Čelik Steel mm ²	Presjek vodiča Overall section mm ²		
			Broj žica Wire number	Promjer žice Wire diameter mm	Broj žica Wire number	Promjer žice Wire diameter mm					
SAVO	10,50	4,50	30	1,50	7	1,50	53,01	12,37	65,38	2416	245
	10,60	6,36	12	2,12	7	2,12	42,36	24,71	67,07	3770	311
	10,65	3,55	6	3,55	1	3,55	59,40	9,90	69,30	2040	240
	10,75	6,75	13	2,00	7	2,25	40,84	27,83	68,67	3700	335
MERLO	10,78	4,62	30	1,54	7	1,54	55,74	13,01	68,75	2608	258
	10,95	3,65	6	3,65	1	3,65	62,82	10,47	73,29	2216	254
MINK 44/32	10,98	3,66	6	3,66	1	3,66	63,03	10,52	73,55	2216	255
	11,20	7,2	14	2,00	7	2,40	44,00	31,70	75,70	4590	374
QUAIL	11,20	4,80	30	1,60	7	1,60	60,32	14,07	74,39	2619	278
	11,34	3,78	6	3,78	1	3,78	67,43	11,22	78,65	2400	272
LOON	11,34		3	3,78	4	3,78	33,66	44,89	78,54	5320	445
	11,40	4,20	26	1,80	7	1,40	66,16	10,78	76,94	2456	269
	11,50	6,90	12	2,30	7	2,30	49,86	29,09	78,95	4290	367
	11,55	4,35	26	1,80	7	1,45	66,16	11,56	77,72	2578	277
PETREL	11,70	5,40	8	3,15	7	1,80	62,30	17,80	80,10	2880	314
	11,70	7,02	12	2,34	7	2,34	51,61	30,10	81,71	4472	380
50/30	11,70	6,99	12	2,33	7	2,33	51,2	29,80	81,00	4465	379
	11,70	4,32	26	1,85	7	1,44	69,9	11,4	81,30	2732	284
70/12	11,80	7,08	12	2,36	7	2,36	52,49	30,61	83,10	4750	386
	11,90	7,14	12	2,38	7	2,38	53,38	31,14	84,52	4535	392
BEAVER	11,90	5,10	30	1,70	7	1,70	68,09	15,89	83,98	3104	314
	11,97	3,99	6	3,99	1	3,99	74,97	12,50	87,47	2601	303
	12,00	4,00	6	4,00	1	4,00	75,30	12,55	87,85	2530	304
	12,00	7,50	13	2,25	7	2,50	51,70	34,40	86,10	4550	419
MINORCA	12,20	7,32	12	2,44	7	2,44	56,14	32,76	88,90	4867	413
RACCOON	12,27	4,09	6	4,09	1	4,09	78,77	13,14	91,91	2737	318
QUAGLIA	12,33	4,11	6	4,11	1	4,11	79,60	13,27	92,86	2820	321
FAGIANO	12,33	4,11	6	4,11	7	1,37	79,59	10,29	89,88	2503	300
COLOMBO	12,47	4,59	26	1,97	7	1,53	79,17	12,87	92,04	2971	323
	12,60	6,30	9	3,15	7	2,10	70,10	24,20	94,30	3680	386
	12,60	5,40	30	1,80	7	1,80	76,34	17,81	94,15	3315	353
	12,60	7,56	12	2,52	7	2,52	59,85	34,91	94,76	5320	440
	12,60	8,40	15	2,10	19	1,68	51,90	42,10	94,00	5300	480
	12,65	7,59	12	2,53	7	2,53	60,32	35,19	95,51	6100	444
OTTER	12,66	4,22	6	4,22	1	4,22	83,81	13,99	97,80	2910	339
	12,68	4,68	26	2,00	7	1,56	81,68	13,38	95,06	2879	333
	12,75	4,24	6	4,24	1	4,24	85,00	14,16	99,16	3000	343
	12,75	4,25	6	4,25	1	4,25	85,03	14,19	99,22	3000	343
PIGEON	12,81	5,49	30	1,83	7	1,83	78,91	18,41	97,32	3505	364
CINCIA	12,88	5,52	30	1,84	7	1,84	79,74	18,61	98,35	3694	368
SKUNK	12,95	7,77	12	2,59	7	2,59	63,12	36,82	99,94	5280	460
	13,00	7,80	12	2,60	7	2,60	63,71	37,16	100,87	5510	468
	13,30	5,70	30	1,90	7	1,90	85,06	19,85	104,91	3836	393
	13,32	4,92	26	2,10	7	1,64	90,05	14,79	104,84	3314	368
LEGHORN	13,45	8,07	12	2,69	7	2,69	68,20	39,80	108,00	5860	501
	13,50	9,00	15	2,25	19	1,80	59,60	48,30	107,90	6050	539
CAT	13,50	4,50	6	4,50	1	4,50	95,40	15,90	111,30	3275	385
	95/15	13,60	5,01	26	2,15	7	1,67	94,39	15,33	109,72	3640
HORSE	13,95	8,37	12	2,79	7	2,79	73,29	42,90	116,20	6100	539

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ALUČELIČNI VODIČI, Al-Fe / ALUMINIUM CONDUCTORS STEEL REINFORCED - ACSR

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Naziv vodiča Code name	Promjer vodiča Overall diameter mm	Promjer jezgre Core diameter mm	Konstrukcija vodiča / Conductor stranding				Presjek / Section			Izračunata prekidna sila Calculated breaking strength daN	Masa Mass kg/km
			Aluminij / Aluminium		Čelik / Steel		Aluminij Aluminium mm ²	Čelik Steel mm ²	Presjek vodiča Overall section mm ²		
			Broj žica Wire number	Promjer žice Wire diameter mm	Broj žica Wire number	Promjer žice Wire diameter mm					
DOG	14,00	10,00	18	2,00	19	2,00	56,50	59,70	116,20	7300	634
	14,00	6,00	30	2,00	7	2,00	94,25	21,99	116,24	4046	435
	14,15	4,71	6	4,71	7	1,57	105,20	13,57	118,77	3311	392
	14,16	4,72	6	4,72	1	4,72	105,20	17,50	122,70	3815	424
PENGUIN	14,21	6,09	30	2,03	7	2,03	97,10	22,66	119,76	4265	448
	14,31	4,77	6	4,77	1	4,77	107,20	17,87	125,10	3760	433
	14,50	8,70	12	2,90	7	2,90	79,29	46,24	125,50	6820	482
HYENA	14,50	5,34	26	2,29	7	1,78	107,06	17,41	124,47	4250	435
	14,57	5,79	7	4,39	7	1,93	106,20	20,51	126,71	4152	452
	14,58	4,86	6	4,86	7	1,62	111,25	14,45	125,70	3504	418
CANARINO	14,58	4,86	6	4,86	1	4,86	111,30	18,55	125,85	3550	448
	14,60	8,76	12	2,92	7	2,92	80,56	46,98	127,54	6894	592
GUINEA	14,60	5,40	26	2,30	7	1,80	107,90	17,78	125,68	3600	441
	14,70	6,30	30	2,10	7	2,10	103,90	24,25	128,15	4589	480
	14,85	6,75	8	4,05	7	2,25	102,86	27,78	130,64	5035	508
AUK	15,00	9,00	12	3,00	7	3,00	84,82	49,48	134,30	7090	624
	15,19	6,51	30	2,17	7	2,17	110,90	25,88	136,78	4890	512
CIVETTA	15,25	3,05	18	3,05	1	3,05	130,30	7,24	137,50	2980	420
COUGAR	15,40	9,24	12	3,08	7	3,08	89,80	52,13	141,93	7457	658
DOTTEREL	15,46	3,09	18	3,09	1	3,09	135,20	7,44	142,64	3220	431
WAXWING	15,50	5,70	26	2,44	7	1,90	121,6	18,80	141,40	4653	493
120/20	15,65	5,85	26	2,45	7	1,95	122,60	20,90	143,50	4716	508
	15,75	11,25	18	2,25	19	2,25	71,60	75,54	147,10	9100	802
	15,75	6,75	30	2,25	7	2,25	119,20	27,82	147,02	5445	552
	15,81	5,25	6	5,28	7	1,75	131,60	16,83	148,43	4144	494
LEOPARD	15,85	5,85	26	2,50	7	1,95	127,60	20,91	148,51	4630	520
	15,87	5,71	26	2,54	7	1,90	131,74	20,00	151,73	4835	522
COYOTE	15,89	6,81	30	2,27	7	2,27	121,41	28,33	149,74	5335	560
120/30	16,00	9,60	12	3,20	7	3,20	96,68	56,41	153,90	8090	715
95/55 DORKING	16,08	5,36	6	5,36	7	1,79	135,20	17,50	152,70	4374	509
OWL	16,10	6,90	30	2,30	7	2,30	124,60	29,10	153,70	5161	576
	16,10	6,99	30	2,33	7	2,33	127,90	29,80	157,70	5872	591
125/30	16,10	11,50	18	2,30	19	2,30	74,78	78,94	153,72	10432	838
PARTRIDGE	16,28	6,00	26	2,57	7	2,00	135,20	22,00	157,20	5100	549
	16,40	6,00	26	2,60	7	2,00	138,00	21,99	159,99	4810	558
	16,40	3,28	18	3,28	1	3,28	152,09	8,45	160,54	3650	484
PHOEBE	16,45	7,05	30	2,35	7	2,35	130,11	30,36	160,47	5747	600
	16,52	7,08	30	2,36	7	2,36	131,42	30,64	162,06	5761	607
TIGER	16,66	7,14	30	2,38	7	2,38	133,44	31,13	164,57	5920	616
	16,68	6,12	26	2,64	7	2,04	142,20	22,82	165,02	5140	577
	16,73	4,89	22	2,96	7	1,63	151,38	14,60	165,88	4270	555
	16,75	3,61	18	3,61	1	3,61	158,70	8,80	167,50	3570	507
	16,80	7,20	30	2,40	7	2,40	135,70	31,66	167,36	5600	627
JUNCO	16,75	3,35	18	3,35	1	3,35	158,7		167,5	3640	506
	16,80	12,00	18	2,40	19	2,40	81,43	85,95	167,38	12360	913
	16,85	10,11	12	3,37	7	3,37	107,06	62,48	169,54	8908	787
150/25	17,10	6,30	26	2,70	7	2,10	148,90	24,20	173,10	5700	605
	17,24	6,36	26	2,72	7	2,12	151,14	24,74	175,88	5348	615
	17,25	6,45	26	2,70	7	2,15	148,90	25,41	174,30	5580	617
STRUZZO											

KARAKTERISTIKE VODIČA ZA NADZEMNE VISOKONAPONSKE VODOVE CHARACTERISTICS OF OVERHEAD HIGH VOLTAGE LINE CONDUCTORS

ALUČELIČNI VODIČI, Al-Fe / ALUMINIUM CONDUCTORS STEEL REINFORCED - ACSR

prema / acc. to DIN 48204, CSA C49, ASTM B 232, BS 215, NF C-34-120

Naziv vodiča Code name	Promjer vodiča Overall diameter mm	Promjer jezgre Core diameter mm	Konstrukcija vodiča / Conductor stranding				Presjek / Section			Izračunata prekidna sila Calculated breaking strength daN	Masa Mass kg/km
			Aluminij / Aluminium		Čelik / Steel		Aluminij Aluminium mm ²	Čelik Steel mm ²	Presjek vodiča Overall section mm ²		
			Broj žica Wire number	Promjer žice Wire diameter mm	Broj žica Wire number	Promjer žice Wire diameter mm					
OSTRICH	17,28	6,36	26	2,73	7	2,12	152,00	24,77	176,77	5737	619
MERLIN	17,37	3,47	18	3,47	1	3,47	170,50	9,43	179,93	4060	544
	17,50	7,50	30	2,50	7	2,50	147,25	34,35	181,60	5960	680
	17,50	7,50	30	2,50	7	2,50	174,25	35,35	181,60	9680	680
105/75	17,50	10,50	12	3,50	7	3,50	115,50	67,35	182,85	5990	849
	17,50	11,25	14	3,10	19	2,25	105,70	75,50	181,50	11055	909
	17,54	12,00	16	2,77	19	2,40	96,50	86,30	182,80	12500	945
	17,60	6,60	26	2,75	7	2,20	154,42	26,60	181,03	5900	642
	17,60	10,56	12	3,52	7	3,52	116,77	68,12	184,89	8600	859
GRU	17,64	7,56	30	2,52	7	2,52	149,63	34,91	184,54	6575	690
	17,71	7,59	30	2,53	7	2,53	150,77	35,18	185,95	6563	697
	17,74	6,54	26	2,80	7	2,18	160,10	26,13	186,23	5633	651
120/70	18,00	10,80	12	3,60	7	3,60	122,00	71,30	193,30	10200	911
PIPER	17,78	7,62	30	2,54	7	2,54	152,00	35,50	187,50	6895	702
CARACAL	18,05	3,61	18	3,61	1	3,61	184,30	10,24	194,50	4110	589
BRAHMA	18,12	12,40	16	2,86	19	2,48	102,96	91,87	194,83	12475	1008
WOLF	18,13	7,77	30	2,59	7	2,59	158,13	36,90	195,03	6880	730
160	18,20	7,80	30	2,60	7	2,60	159,28	37,16	196,44	6838	735
	18,27	13,05	18	2,61	19	2,61	96,30	101,65	197,95	15800	1080
LINNET	18,31	6,75	26	2,89	7	2,25	170,45	27,74	198,19	6373	695
	18,35	6,75	26	2,90	7	2,25	171,74	27,83	199,57	6020	697
	18,80	7,20	26	2,90	7	2,40	171,74	31,70	203,44	6500	732
ORIOLE	18,83	8,07	30	2,69	7	2,69	170,50	39,80	210,30	7729	788
CHICKADEE	18,85	3,77	18	3,77	1	3,77	200,93	11,16	212,09	6200	643
	170/40	18,90	8,10	30	2,70	7	2,70	171,80	40,10	211,90	7824
185/30	18,90	6,30	54	2,10	7	2,10	187,00	24,25	211,25	5842	708
	18,99	14,77	24	2,11	37	2,11	83,90	129,30	213,20	16000	1270
	19,00	6,99	26	3,00	7	2,33	183,80	30,10	213,90	6760	748
	19,20	7,20	26	3,00	7	2,40	183,80	31,70	215,50	6926	762
	19,20	11,50	12	3,85	19	2,30	139,69	78,94	218,63	11300	1015
JAGUAR	19,24	10,35	10	4,44	7	3,45	154,83	65,44	220,27	10050	950
	19,30	3,86	18	3,86	1	3,86	210,6	11,69	222,3	4750	672
	19,35	10,75	42	2,15	19	2,15	152,46	68,97	221,43	11400	970
ZIGOLO	19,38	7,14	26	3,06	7	2,38	191,23	31,16	222,39	6677	777
LYNX	19,56	8,38	30	2,79	7	2,79	183,93	42,90	226,84	7951	850
	19,60	8,40	30	2,80	7	2,80	184,70	43,10	227,80	7360	854
BRANT	19,60	8,40	30	2,80	7	2,80	184,70	43,10	227,80	12170	854
	19,62	6,54	24	3,27	7	2,18	201,56	26,13	227,69	6510	766
	19,74	15,00	22	2,37	19	3,00	101,17	134,29	235,46	20500	1350
IBIS	19,88	7,32	26	3,14	7	2,44	201,40	32,80	234,20	7343	738
	GHIANDAIA	19,95	8,55	30	2,85	7	2,85	191,42	44,66	236,08	8255
20,02		8,58	30	2,86	7	2,86	192,72	44,97	237,69	7690	891
210/35	20,09	8,61	30	2,87	7	2,87	194,08	45,28	239,36	8530	896
	20,09	8,61	30	2,87	7	2,87	194,08	45,28	239,36	11415	896
	20,25	6,75	54	2,25	7	2,25	214,71	27,83	242,54	6757	813
	20,27	7,47	26	3,20	7	2,49	209,10	34,09	243,19	7635	852
	20,30	7,50	26	3,20	7	2,50	209,10	34,36	243,46	7240	855
200	20,30	8,70	30	2,90	7	2,90	198,20	46,24	244,44	8620	916

GENERAL DATA AND RECOMMENDATIONS

KARAKTERISTIKE VODIČA ZA NADZEMNE VISOKONAPONSKE VODOVE
CHARACTERISTICS OF OVERHEAD HIGH VOLTAGE LINE CONDUCTORS

ALUČELIČNI VODIČI, Al-Fe / ALUMINIUM CONDUCTORS STEEL REINFORCED - ACSR

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			Aluminij / Aluminium		Čelik / Steel		Aluminij Aluminium mm ²	Čelik Steel mm ²	Presjek vodiča Overall section mm ²		
			Broj žica Wire number	Promjer žice Wire diameter mm	Broj žica Wire number	Promjer žice Wire diameter mm					
LARK	20,44	8,76	30	2,92	7	2,92	201,40	47,00	248,40	9063	928
	20,45	7,65	26	3,20	7	2,55	209,10	35,70	244,85	7845	865
	20,55	8,19	28	3,09	7	2,73	211,30	41,60	252,90	7200	895
	20,70	6,90	54	2,30	7	2,30	224,40	29,08	253,50	7008	850
PELICAN	20,70	4,14	18	4,14	1	4,14	242,31	13,46	255,77	5230	773
PANTHER 230/30	20,90	10,60	36	2,56	12	2,56	185,40	61,80	247,20	9520	1015
	21,00	9,00	30	3,00	7	3,00	211,74	49,42	261,16	9165	980
	21,00	6,99	24	3,50	7	2,33	230,9	29,80	260,70	7450	881
TOUCAN FLICKER	21,00	15,00	18	3,00	19	3,00	127,20	134,20	261,40	17500	1425
	21,20	6,24	22	3,74	7	2,08	241,69	23,79	265,47	6850	856
	21,48	7,16	24	3,58	7	2,38	241,68	31,03	272,71	7801	915
RIGOGOLO	21,52	7,92	26	3,40	7	2,64	236,06	38,32	274,38	8051	960
	21,60	16,80	24	2,40	37	2,40	108,57	167,38	275,95	26000	1645
	21,66	7,98	26	3,42	7	2,66	238,70	38,88	277,58	8474	970
	21,70	8,10	26	3,40	7	2,70	236,06	40,08	276,14	8822	975
HAWK	21,80	8,04	26	3,44	7	2,68	241,68	39,35	281,03	8813	985
GRONINGEN 240/40	21,80	6,12	48	2,62	7	2,04	258,76	22,87	281,65	7330	900
	21,90	8,04	26	3,45	7	2,68	243,00	39,50	282,50	8810	985
LION	22,05	9,45	30	3,15	7	3,15	233,80	54,55	288,35	9220	1078
	22,10	8,10	26	3,50	7	2,70	250,10	40,08	290,18	8590	1010
	22,20	11,30	36	2,72	12	2,72	209,20	69,70	278,90	10800	1194
	22,22	9,52	30	3,17	7	3,17	237,42	55,93	293,35	10215	1095
	22,26	9,54	30	3,18	7	3,18	238,26	55,59	293,85	10206	1100
FANELLO	22,35	4,47	18	4,47	1	4,47	282,47	15,69	298,17	6100	901
OSPREY	22,40	9,60	30	3,20	7	3,20	241,68	56,38	298,06	10570	1112
HEN 240/55 265/35	22,40	7,47	24	3,74	7	2,49	236,7	34,10	297,80	8470	999
	22,45	11,25	36	2,80	19	2,25	222,00	75,00	297,00	13600	1211
	22,50	12,50	42	2,50	19	2,50	205,80	93,10	298,90	18200	1310
	22,50	7,50	54	2,50	7	2,50	265,07	34,36	299,43	8430	1005
	22,50	7,50	54	2,50	7	2,50	265,07	34,36	299,43	12195	1005
SAPSUCKER HERON	22,54	9,66	30	3,22	7	3,22	244,30	57,00	301,30	10625	1130
	22,70	11,50	36	2,80	19	2,30	221,67	78,94	300,61	14000	1225
	22,80	8,40	26	3,60	7	2,80	264,60	43,10	307,70	9148	1075
	22,88	6,72	22	4,04	7	2,24	282,01	27,59	309,60	8050	997
	22,96	9,84	30	3,28	7	3,28	253,30	59,10	312,40	11045	1172
	23,10	9,90	30	3,30	7	3,30	256,60	59,90	316,50	10000	1187
PARAKEET	23,21	7,73	24	3,87	7	2,58	285,00	36,58	318,58	9003	1068
	23,40	7,80	54	2,60	7	2,60	286,70	37,17	323,87	8826	1085
BEAR	23,45	10,06	30	3,35	7	3,35	264,77	61,80	326,58	11326	1220
	23,54	10,10	30	3,36	19	2,02	266,01	60,89	326,90	11200	1230
DOVE	23,55	8,67	26	3,72	7	2,89	282,00	45,90	327,90	10160	1150
SWIFT	23,63	3,376	36	3,376	1	3,376	322,3		331,2	6240	958
PICCHIO	23,67	7,89	54	2,63	7	2,63	292,99	37,98	330,97	9267	1138
	23,70	12,03	36	2,90	12	2,90	237,66	79,22	316,88	12200	1297
	23,80	10,20	30	3,40	19	2,04	272,38	62,09	334,47	11265	1260
	23,86	7,02	22	4,21	7	2,34	306,25	30,10	336,35	8660	1084
RAWANG	23,91	5,19	42	3,12	7	1,73	321,10	16,45	337,55	7340	1100
ALLODOLA	24,08	8,88	26	3,80	7	2,96	294,89	48,14	343,03	10170	1200
KINGBIRD	23,90	4,78	18	4,78	1	4,78	323,01	17,95	340,96	6960	1030
	24,13	6,75	48	2,90	7	2,25	315,97	27,92	343,89	8932	1100

KARAKTERISTIKE VODIČA ZA NADZEMNE VISOKONAPONSKE VODOVE CHARACTERISTICS OF OVERHEAD HIGH VOLTAGE LINE CONDUCTORS

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prema / acc. to DIN 48204, CSA C49, ASTM B 232, BS 215, NF C-34-120

Naziv vodiča Code name	Promjer vodiča Overall diameter mm	Promjer jezgre Core diameter mm	Konstrukcija vodiča / Conductor stranding				Presjek / Section			Izračunata prekidna sila Calculated breaking strength daN	Masa Mass kg/km	
			Aluminij / Aluminium		Čelik / Steel		Aluminij Aluminium mm ²	Čelik Steel mm ²	Presjek vodiča Overall section mm ²			
			Broj žica Wire number	Promjer žice Wire diameter mm	Broj žica Wire number	Promjer žice Wire diameter mm						
BATANG	24,14	5,03	18	4,77	7	1,67	321,66	15,33	336,99	6986	1100	
PEACOCK	24,20	8,07	24	4,03	7	2,69	306,58	39,74	346,32	9752	1161	
	24,20	9,00	26	3,80	7	3,00	294,90	49,48	344,38	10950	1213	
DUCK	24,21	8,07	54	2,69	7	2,69	306,58	39,74	346,32	10160	1160	
	24,21	13,45	42	2,69	19	2,69	238,46	107,86	346,32	18000	1520	
EAGLE	24,22	10,38	30	3,46	7	3,46	282,00	65,80	347,80	12338	1305	
	24,30	8,10	54	2,70	7	2,70	309,18	40,08	349,26	9731	1170	
	24,40	9,00	26	3,85	19	1,80	302,68	48,35	351,03	10088	1220	
GOLDFINCH	24,48	7,20	22	4,32	7	2,40	322,46	31,67	354,13	9110	1140	
	24,50	10,50	30	3,50	7	3,50	288,60	67,35	355,95	12170	1332	
SQUAB	24,53	9,04	26	3,87	7	3,01	305,81	49,80	355,61	10931	1248	
	24,54	5,34	42	3,20	7	1,78	337,78	17,42	355,2	8000	1071	
USIGNOLO	24,71	10,59	30	3,53	7	3,53	293,61	68,51	362,12	12501	1358	
ROOK	24,80	8,27	24	4,13	7	2,75	322,25	41,81	364,06	10251	1221	
GOOSE	24,84	8,28	54	2,76	7	2,76	322,23	41,81	364,00	10615	1219	
340/30	24,85	10,65	30	3,55	7	3,55	296,94	69,28	366,22	11700	1370	
	25,00	6,99	48	3,00	7	2,33	339,3	29,80	369,1	9470	1175	
GROSBEAK	25,04	9,24	26	3,95	7	3,08	318,60	52,15	370,75	10830	1297	
	25,11	13,95	42	2,79	19	2,79	256,77	116,15	382,92	18600	1680	
	25,15	9,27	26	3,97	7	3,09	322,30	52,40	374,70	11340	1310	
	25,20	10,80	30	3,60	19	2,16	305,36	69,62	374,98	12630	1377	
	25,20	8,40	54	2,80	7	2,80	332,50	43,11	375,61	10290	1258	
TEAL	25,24	10,82	30	3,60	19	2,16	305,34	69,61	374,95	13607	1377	
WOODDUCK	25,27	10,83	30	3,61	7	3,61	307,06	71,65	378,71	13200	1421	
330	25,30	9,30	26	4,00	7	3,10	326,80	52,84	379,64	10930	1326	
GULL	25,38	5,52	42	3,31	7	1,84	361,41	18,61	380,02	8450	1151	
	25,38	8,46	54	2,82	7	2,82	337,74	43,80	381,54	11110	1278	
FLAMINGO	25,40	8,46	24	4,23	7	2,82	337,74	43,80	381,54	10750	1280	
	25,40	14,10	42	2,82	19	2,82	264,70	118,80	381,50	18500	1675	
SCOOTER	25,40	15,40	24	2,20	37	2,20	245,16	140,64	385,80	27000	1800	
	25,80	11,00	30	3,70	19	2,20	322,60	72,20	394,80	12750	1449	
	25,90	11,10	30	3,70	7	3,70	322,56	75,26	397,82	13500	1490	
	EGRET	25,90	11,10	30	3,70	19	2,22	322,30	73,30	395,60	14288	1455
	GOAT	25,97	11,12	30	3,71	7	3,71	323,99	75,61	399,61	13780	1500
GANNET	25,76	9,48	26	4,07	7	3,16	338,26	54,90	393,16	11770	1475	
CROW	26,01	5,61	42	3,40	7	1,87	380,94	19,18	400,12	8200	1308	
	26,10	8,70	54	2,90	7	2,90	356,68	46,24	402,92	10981	1350	
	26,10	8,70	54	2,90	7	2,90	356,68	46,24	402,92	16410	1350	
	26,20	14,55	42	2,91	19	2,91	279,30	126,35	405,65	20350	1780	
	26,28	8,76	54	2,92	7	2,92	362,50	47,00	409,50	11929	1371	
STILT	26,32	8,76	24	4,39	7	2,92	363,27	46,88	410,15	11375	1379	
COOT	26,40	12,00	32	3,60	19	2,40	325,72	85,95	411,67	15500	1585	
	26,40	12,00	32	3,60	19	2,40	325,72	85,95	411,67	24300	1585	
	26,42	3,774	36	3,774	1	3,774	402,8		414,00	7610	1197	
	26,58	13,20	78	2,23	18	2,57	305,00	100,07	405,20	15789	1668	
360/57	26,60	9,80	26	4,20	19	1,96	360,21	57,33	417,54	12750	1450	
STARLING	26,68	9,84	26	4,21	7	3,28	362,50	59,10	421,60	12745	1472	
385/35	26,70	7,47	48	3,20	7	2,49	386,00	34,10	420,10	10680	1345	
ANTELOPE	26,74	8,91	54	2,97	7	2,97	374,84	48,45	423,29	12192	1418	

GENERAL DATA AND RECOMMENDATIONS

KARAKTERISTIKE VODIČA ZA NADZEMNE VISOKONAPONSKE VODOVE
CHARACTERISTICS OF OVERHEAD HIGH VOLTAGE LINE CONDUCTORS

ALUČELIČNI VODIČI, Al-Fe / ALUMINIUM CONDUCTORS STEEL REINFORCED - ACSR

prema / acc. to DIN 48204, CSA C49, ASTM B 232, BS 215, NF C-34-120

Naziv vodiča Code name	Promjer vodiča Overall diameter mm	Promjer jezgre Core diameter mm	Konstrukcija vodiča / Conductor stranding				Presjek / Section			Izračunata prekidna sila Calculated breaking strength daN	Masa Mass kg/km
			Aluminij / Aluminium		Čelik / Steel		Aluminij Aluminium mm ²	Čelik Steel mm ²	Presjek vodiča Overall section mm ²		
			Broj žica Wire number	Promjer žice Wire diameter mm	Broj žica Wire number	Promjer žice Wire diameter mm					
MACAW	26,79	5,82	42	3,49	7	1,94	401,50	20,65	422,10	9548	1380
350/80	26,90	11,50	30	3,85	19	2,30	349,25	78,94	428,19	14632	1575
BISON	26,97	8,99	54	3,00	7	3,00	381,09	49,42	430,51	11800	1441
380/50	27,00	9,00	54	3,00	7	3,00	382,00	49,50	431,50	12550	1449
TERN	27,00	6,75	45	3,37	7	2,25	401,35	27,83	429,18	10387	1335
GAZZA	27,00	9,00	54	3,00	7	3,00	381,48	49,45	430,93	11916	1442
FALCONE	27,36	10,08	26	4,32	7	3,36	381,11	62,10	443,21	13109	1550
REDWING	27,43	11,75	30	3,92	19	2,35	362,50	82,41	445,10	15694	1638
CONDOR	27,72	9,24	54	3,08	7	3,08	402,80	52,30	455,10	12925	1490
CUCKOO	27,72	9,24	24	4,62	7	3,08	402,33	52,15	454,48	12456	1532
	27,82	11,90	30	3,98	19	2,38	373,20	84,36	457,56	16000	1680
	27,90	9,30	54	3,10	7	3,10	407,60	52,84	460,44	12270	1541
SHEEP	27,91	11,96	30	3,99	7	3,99	374,84	87,48	462,32	15690	1730
	27,94	7,82	48	3,35	7	2,60	422,88	37,16	460,04	11810	1470
	28,00	12,00	30	4,00	19	2,40	377,00	83,60	463,30	15000	1704
	28,06	13,90	78	2,36	1	3,10	341,20	110,60	451,80	17582	1862
					18	2,70					
DRAKE	28,11	10,35	26	4,44	7	3,45	402,80	65,60	468,40	14152	1638
AIRONE	28,13	12,05	30	4,02	19	2,41	380,90	86,67	467,57	15907	1720
	28,14	6,24	42	3,67	7	2,04	444,29	22,88	467,17	10340	1405
410	28,50	10,50	26	4,50	7	3,50	413,40	67,35	480,75	13890	1680
	28,50	10,50	26	4,50	19	2,10	413,50	65,81	479,31	13919	1668
	28,53	6,21	42	3,72	7	2,07	456,48	23,56	480,04	10650	1445
450/40	28,70	8,04	48	3,45	7	2,68	448,70	39,50	488,20	12310	1554
ZEBRA	28,62	9,54	54	3,18	7	3,18	427,48	55,42	482,90	13267	1617
RUDY	28,74	7,20	45	3,59	7	2,40	455,50	31,67	487,17	10890	1514
435/55	28,80	9,60	54	3,20	7	3,20	434,30	56,30	490,60	13910	1642
CATBIRD	28,95	4,135	36	4,135	1	4,135	483,40	496,90	496,90	8980	1438
MALLARD	28,96	12,40	30	4,14	19	2,48	402,80	91,90	494,70	17418	1820
	28,98	8,10	48	3,48	7	2,70	456,55	40,07	496,62	12675	1590
CRANE	29,07	9,69	54	3,23	7	3,23	443,10	57,50	500,60	14242	1678
	29,30	12,50	30	4,20	19	2,50	415,60	93,26	508,87	17137	1870
	29,40	12,30	66	2,85	19	2,46	421,04	90,30	511,34	17480	1872
CANARY	29,52	9,84	54	3,28	7	3,28	456,00	59,10	515,10	14651	1727
RAIL	29,58	7,40	45	3,70	7	2,47	483,41	33,42	516,84	12201	1605
PHOENIX	29,87	6,39	42	3,83	7	2,13	483,88	24,94	508,82	11120	1532
DEER	29,89	12,81	30	4,27	7	4,27	429,09	100,13	529,22	18193	1980
495/35	29,90	7,47	45	3,74	7	2,49	494,10	34,10	528,20	12420	1639
STORNO	30,15	10,05	54	3,35	7	3,35	475,96	61,63	537,59	14724	1800
CAMEL	30,17	10,05	54	3,35	7	3,35	476,58	61,80	538,38	14764	1805
	30,20	10,00	54	3,37	19	2,00	431,70	59,70	491,40	15400	1645
CARDINAL	30,42	10,14	54	3,38	7	3,38	483,41	62,60	546,01	15512	1828
	30,50	13,85	72	2,77	19	2,77	434,00	114,50	548,50	20000	2120
SNOWBIRD	30,57	6,63	42	3,99	7	2,21	525,15	26,85	552,00	12060	1661
TANAGER	30,12	4,303	36	4,303	1	4,303	523,70	537,90	537,90	9710	1556
490/65	30,60	10,20	54	3,40	7	3,40	490,30	63,60	553,90	15610	1857
510/45	30,70	8,61	48	3,68	7	2,87	510,20	45,3	555,5	13930	1771
ORTOLAN	30,80	7,70	45	3,85	7	2,57	523,67	36,19	559,86	13108	1738
ELK	31,47	13,48	30	4,49	7	4,49	476,32	111,16	587,48	20193	2195
	31,50	13,50	30	4,50	19	2,70	477,13	108,80	585,93	20160	2153
520	31,50	10,50	54	3,50	7	3,50	519,53	67,32	586,85	15600	1965
	31,50	10,50	54	3,50	19	2,10	519,53	65,81	585,34	16570	1960

KARAKTERISTIKE VODIČA ZA NADZEMNE VISOKONAPONSKE VODOVE CHARACTERISTICS OF OVERHEAD HIGH VOLTAGE LINE CONDUCTORS

ALUČELIČNI VODIČI, Al-Fe / ALUMINIUM CONDUCTORS STEEL REINFORCED - ACSR

prema / acc. to DIN 48204, CSA C49, ASTM B 232, BS 215, NF C-34-120

Naziv vodiča Code name	Promjer vodiča Overall diameter mm	Promjer jezgre Core diameter mm	Konstrukcija vodiča / Conductor stranding				Presjek / Section			Izračunata prekidna sila Calculated breaking strength daN	Masa Mass kg/km
			Aluminij / Aluminium		Čelik / Steel		Aluminij Aluminium mm ²	Čelik Steel mm ²	Presjek vodiča Overall section mm ²		
			Broj žica Wire number	Promjer žice Wire diameter mm	Broj žica Wire number	Promjer žice Wire diameter mm					
	31,50	10,50	54	3,50	19	2,10	519,53	65,81	585,34	20090	1960
	31,50	17,50	42	3,50	19	2,10	404,04	181,18	585,22	31250	2565
	31,54	13,44	42	2,70	37	1,92	480,82	106,93	587,75	24600	2186
CURLEW	31,68	10,56	54	3,52	7	3,52	523,67	67,87	591,54	16828	1980
490/110	31,70	13,70	30	4,55	19	2,73	487,80	111,20	599,00	21200	2220
	31,70	13,30	42	2,70	37	1,92	489,72	104,90	594,62	22000	2185
	31,70	13,30	50	2,10	37	1,90	487,33	104,90	592,23	22000	2170
MOOSE	31,77	10,59	54	3,53	7	3,53	528,38	68,45	596,83	16465	2000
BEAUMONT	31,80	6,96	42	4,14	7	2,32	565,37	29,59	594,96	12400	1945
BLUEJAY	31,96	7,99	45	3,99	7	2,66	563,93	39,03	602,96	14016	1878
	32,10	13,30	64	2,50	37	1,90	487,33	104,90	592,23	22700	2170
	32,13	17,85	42	3,57	37	2,55	420,41	188,96	609,37	29200	2670
560/50	32,20	9,00	48	3,86	7	3,00	561,70	49,50	611,20	15185	1945
	32,20	12,10	60	3,35	19	2,42	528,84	87,38	616,22	20000	2155
	32,29	13,25	42	2,65	19	2,65	511,02	104,69	615,71	22590	2245
	32,29	13,25	20	4,22							
550/40	32,20	8,04	45	4,02	7	2,68	571,20	39,50	610,70	13884	1893
550/70	32,40	10,80	54	3,60	7	3,60	550,00	71,30	621,30	17400	2086
	32,82	7,14	42	4,28	7	2,38	604,26	31,14	635,40	13800	1916
FINCH	32,85	10,95	54	3,65	19	2,19	563,93	71,48	635,41	18234	2130
BUNTING	33,07	8,27	45	4,13	7	2,75	604,25	41,55	645,80	15029	2010
SAYLARK	33,43	4,775	36	4,775	1	4,775	644,50		662,70	12000	1916
SCISSORTAIL	33,90	7,37	42	4,42	7	2,46	644,44	33,26	677,70	14750	2215
GRACKLE	33,96	3,77	54	3,77	19	2,26	604,25	76,51	680,76	19549	2280
BITTERN	34,16	8,55	45	4,27	7	2,85	644,51	44,51	689,02	16057	2147
650/45	34,00	8,61	45	4,30	7	2,87	653,50	45,30	698,80	15851	2168
610	34,20	11,40	54	3,80	7	3,80	612,40	79,38	691,78	18150	2315
	34,60	11,50	54	3,85	19	2,30	628,64	78,94	707,58	18492	2370
BECCACCIA	34,82	11,60	54	3,87	19	2,32	634,76	80,29	715,05	19241	2400
	34,95	7,59	42	4,56	7	2,53	685,91	35,19	721,10	15650	2171
PHEASANT	35,10	11,70	54	3,90	19	2,34	644,51	81,68	726,19	20320	2435
DIPPER	35,20	8,78	45	4,40	7	2,93	685,15	47,10	732,25	17055	2280
	35,56	9,96	48	4,27	7	3,32	686,40	60,50	746,90	18414	2370
	35,97	7,83	42	4,69	7	2,61	725,58	37,45	763,03	16555	2299
680/85	36,00	12,00	54	4,00	19	2,40	678,80	85,96	764,76	21025	2565
MARTIN	36,17	12,05	54	4,02	19	2,41	684,83	86,71	771,54	21591	2583
	36,18	12,06	54	4,02	7	4,02	684,83	89,39	774,22	21100	2593
BOBOLINK	36,23	9,06	45	4,53	7	3,02	725,16	50,32	775,48	18053	2413
	36,93	8,01	42	4,82	7	2,67	766,36	39,19	805,55	17451	2425
PLOVER	37,21	12,40	54	4,14	19	2,48	725,16	91,80	816,96	22861	2735
NUTHATCH	37,23	9,30	45	4,65	7	3,10	765,16	52,90	818,06	18869	2550
	37,72	7,56	72	3,77	7	2,52	803,72	34,91	838,63	17950	2503
	37,72	7,56	72	3,77	7	2,52	803,72	34,91	838,63	17950	2503
LAPWING	38,16	9,55	45	4,77	7	3,18	804,15	55,59	859,74	19867	2673
810	38,4	9,60	45	4,80	7	3,20	814,50		870,80	18480	1969
PARROT	38,25	12,75	54	4,25	19	2,55	765,16	97,16	862,32	24131	2887

GENERAL DATA AND RECOMMENDATIONS

KARAKTERISTIKE VODIČA ZA NADZEMNE VISOKONAPONSKE VODOVE
CHARACTERISTICS OF OVERHEAD HIGH VOLTAGE LINE CONDUCTORS

ALUČELIČNI VODIČI, Al-Fe / ALUMINIUM CONDUCTORS STEEL REINFORCED - ACSR

prema / acc. to DIN 48204, CSA C49, ASTM B 232, BS 215, NF C-34-120

Naziv vodiča Code name	Promjer vodiča Overall diameter mm	Promjer jezgre Core diameter mm	Konstrukcija vodiča / Conductor stranding				Presjek / Section			Izračunata prekidna sila Calculated breaking strength daN	Masa Mass kg/km
			Aluminij / Aluminium		Čelik / Steel		Aluminij Aluminium mm ²	Čelik Steel mm ²	Presjek vodiča Overall section mm ²		
			Broj žica Wire number	Promjer žice Wire diameter mm	Broj žica Wire number	Promjer žice Wire diameter mm					
AQUILA	38,58	10,80	48	4,63	7	3,60	808,15	71,25	879,40	21600	2789
	38,98	13,00	54	4,33	19	2,60	795,37	101,00	896,37	24090	3005
FACCON	39,26	13,10	54	4,36	19	2,62	805,70	102,10	907,80	25401	3045
	40,50	13,50	54	4,50	19	2,70	858,60	108,80	967,40	25710	3240
CHUKAR	40,70	11,10	84	3,70	19	2,22	902,00	73,54	975,54	24312	3095
	40,70	11,10	50	3,94	19	2,22	646,06	73,54	719,59	19055	2410
950	41,80	11,40	84	3,80	7	3,80	952,60		1032,00	23100	3271
	41,90	11,10	66	3,22	19	2,22	519,07	73,54	592,61	19323	2015
	40,64	8,13	72	4,06	7	2,71	933,97	40,39	974,26	20443	2903
1045/45	43,00	8,61	72	4,30	7	2,87	1045,60	45,30	1090,90	22182	3256
KIWI	44,17	8,83	72	4,40	7	2,94	1098,06	47,74	1145,80	24064	3415
BLUEBIRD	44,76	12,20	84	4,07	19	2,44	1092,45	92,61	1186,06	29291	3758
1160	46,20	12,60	84	4,20	7	4,20	1163,00		1260,00	27830	3996
1520	52,80	14,40	84	4,80	7	4,80	1520,00		1647,00	36390	5222
THRASHER	45,78	10,34	76	4,43	19	2,068	1172,00		1235,00	25700	37600

ALUMOWELD ČELIČNA UŽETA
ALUMOWELD EARTH WIRES - AW

prema / acc. to ASTM B 416

Oznaka veličina No./AWG Size	Promjer AW Overall diameter mm	Konstrukcija AW Conductor stranding broj žica wire number promjer žice wire diameter mm	Presjek Section mm ²	Izračunata prekidna sila Calculated breaking strength daN	Masa Mass kg/km		
						Konstrukcija AW	
						broj žica wire number	promjer žice wire diameter mm
No. 3/10 Awg	5,588	3	2,588	15,78	2055	104,8	
No. 3/9 Awg	6,274	3	2,907	19,90	2592	132,2	
No. 3/8 Awg	7,036	3	3,264	25,10	3268	166,7	
No. 3/7 Awg	7,899	3	3,665	31,64	3910	210,7	
No. 3/6 Awg	8,864	3	4,115	39,90	4662	265,0	
No. 3/5 Awg	9,957	3	4,620	50,32	5547	334,1	
No. 3/12 Awg	6,147	7	2,052	23,16	2858	154,2	
No. 7/11 Awg	6,909	7	2,304	29,18	3603	194,4	
No. 7/10 Awg	7,772	7	2,590	36,82	4544	245,1	
No. 7/9 Awg	8,712	7	2,906	46,44	5728	308,9	
No. 7/8 Awg	9,779	7	3,263	58,56	7225	389,6	
No. 7/7 Awg	11,000	7	3,665	73,87	8645	491,1	
No. 7/6 Awg	12,34	7	4,115	93,09	10310	619,5	
No. 7/5 Awg	13,87	7	4,620	117,40	12260	781,2	
No. 19/10 Awg	12,93	19	2,588	99,93	12330	667,8	
No. 19/9 Awg	14,53	19	2,906	126,10	15550	842,0	
No. 19/8 Awg	16,31	19	3,264	159,00	19610	1062,0	
No. 19/7 Awg	18,31	19	3,665	200,40	23460	1339,0	
No. 19/6 Awg	20,57	19	4,114	252,70	27980	1688,0	
No. 19/5 Awg	23,11	19	4,620	318,70	33270	2128,0	
No. 37/10 Awg	18,11	37	2,588	194,60	24010	1308,0	
No. 37/9 Awg	20,35	37	2,906	245,5	30250	1649,0	
No. 37/8 Awg	22,83	37	3,264	309,50	38190	2080,0	
No. 37/7 Awg	25,65	37	3,665	390,30	45670	2622,0	
No. 37/6 Awg	28,70	37	4,115	492,2	54520	3307,0	
No. 37/5 Awg	32,36	37	4,620	620,60	64770	4170,0	

KARAKTERISTIKE VODIČA ZA VISOKONAPONSKE VODOVE
CHARACTERISTICS OF OVERHEAD HIGH VOLTAGE LINE CONDUCTORS**ALUMINIJSKI VODIČI / ALUMINIUM CONDUCTORS - AAC**

prema / acc. to DIN 48201, CSA C49, ASTM B 231, BS 215

Naziv vodiča	Promjer vodiča	Konstrukcija vodiča		Presjek	Izračunato prekidna sila	Masa	Naziv vodiča	Promjer vodiča	Konstrukcija vodiča		Presjek	Izračunato prekidna sila	Masa
Code name	Overall diameter	Conductor stranding	Promjer žice	Section	Calculated breaking strength	Mass	Code name	Overall diameter	Conductor stranding	Promjer žice	Section	Calculated breaking strength	Mass
	mm	Broj žica Wire number	Wire diameter mm	mm ²	daN	kg/km		mm	Broj žica Wire number	Wire diameter mm	mm ²	daN	kg/km
16	5,10	7	1,70	15,90	287	44	95	12,50	19	2,50	93,20	1577	256
	5,37	3	2,50	14,72	250	40		12,51	7	4,17	95,39	1520	262
	5,40	7	1,80	17,81	308	49		12,60	37	1,80	94,15	1525	260
	5,60	3	2,60	15,93	268	44		13,00	19	2,60	100,87	1642	275
	5,70	7	1,90	19,85	339	55		13,18	7	4,39	106,20	1680	292
ROSE	5,88	7	1,96	21,15	410	58	13,26	7	4,42	107,20	1764	295	
	6,00	7	2,00	21,99	369	50	13,30	37	1,90	104,90	1697	290	
	6,00	19	1,20	21,48	364	59	13,32	7	4,44	103,36	1830	285	
	6,02	3	2,80	18,47	314	51	13,50	19	2,70	108,78	1790	300	
	6,17	7	2,06	23,22	428	64	14,00	19	2,80	117,00	1995	322	
MIDGE	6,25	3	2,90	19,82	333	55	14,00	37	2,00	116,24	1831	320	
	6,30	7	2,10	24,25	415	67	14,50	19	2,90	125,50	2042	346	
	6,45	3	3,00	21,16	362	58	14,70	7	4,90	132,10	2060	364	
CONOPS	6,45	3	3,00	21,16	362	58	14,70	37	2,10	128,15	2018	353	
LILY	6,60	7	2,20	26,67	503	73	14,88	7	4,96	135,20	2195	372	
GNAT	6,63	7	2,21	26,83	485	74	15,00	19	3,00	134,30	2120	370	
	6,75	7	2,25	27,82	467	77	15,75	37	2,25	147,11	2317	405	
	6,75	19	1,35	27,19	460	75	15,75	19	3,15	148,10	2270	408	
	6,90	3	2,20	24,13	394	66	15,95	19	3,19	157,00	2658	433	
	7,05	7	2,35	30,36	510	83	16,00	19	3,20	152,81	2442	428	
APHIS	7,20	7	2,40	31,67	542	87	16,08	7	5,36	157,90	2450	434	
	7,21	3	3,35	26,48	444	73	16,25	19	3,25	157,74	2576	434	
	7,44	7	2,48	33,63	621	93	16,45	37	2,35	160,50	2600	442	
35	7,50	7	2,50	34,40	576	95	16,90	19	3,38	170,50	2948	470	
	7,77	7	2,59	36,90	648	102	17,50	19	3,50	182,80	2800	502	
	7,89	3	3,66	31,52	520	87	17,50	37	2,50	181,60	3071	500	
	8,00	19	1,60	38,20	646	105	17,65	19	3,53	186,00	2985	512	
	8,10	7	2,70	40,08	666	113	18,20	37	2,60	196,40	3094	541	
PANSY	8,34	7	2,78	42,41	760	117	18,40	19	3,68	201,40	3425	555	
LABYBIRD	8,38	7	2,79	42,92	740	118	18,90	19	3,78	213,70	3890	586	
50	9,00	7	3,00	49,48	799	136	18,90	37	2,70	211,84	3337	583	
50	9,00	19	1,80	48,35	874	133	18,90	61	2,10	211,28	3328	581	
ANT	9,30	7	3,10	52,79	890	146	19,60	37	2,80	227,83	3588	626	
POPPY	9,36	7	3,12	53,48	939	147	19,95	19	3,99	237,30	3730	652	
	9,45	7	3,15	54,60	863	150	20,15	19	4,03	241,70	4023	665	
	9,60	7	3,20	56,41	919	153	20,25	61	2,25	242,54	3820	670	
	10,00	19	2,00	56,69	982	153	20,30	37	2,90	244,40	3849	672	
FLY	10,21	7	3,40	63,68	1050	175	20,60	19	4,12	253,30	4218	698	
70	10,50	19	2,10	65,82	1102	181	21,00	37	3,00	261,53	4000	720	
	10,53	7	3,51	67,73	1157	187	21,10	19	4,22	265,30	4135	732	
	10,65	7	3,55	69,30	1100	191	21,15	61	2,35	264,58	4167	730	
BLUEBOTTLE	10,97	7	3,66	73,55	1200	203	21,75	19	4,35	282,00	4649	775	
	11,20	37	1,60	74,39	1205	206	22,05	37	3,15	288,00	4310	795	
	11,25	19	2,25	75,54	1243	208	22,40	37	3,20	297,57	4553	821	
EARWIG	11,35	7	3,78	78,74	1275	217	22,50	61	2,50	299,43	5063	825	
	11,50	19	2,30	78,94	1321	218	23,25	19	4,65	322,40	4945	887	
GRASSHOPPER	11,73	7	3,91	84,12	1355	232	23,31	37	3,33	322,30	5579	887	
	11,75	19	2,35	82,41	1366	226	23,40	61	2,60	323,90	5101	893	
PHLOX	11,79	7	3,93	85,03	1429	234							

GENERAL DATA AND RECOMMENDATIONS

KARAKTERISTIKE VODIČA ZA VISOKONAPONSKE VODOVE
CHARACTERISTICS OF OVERHEAD HIGH VOLTAGE LINE CONDUCTORS

ALUMINIJSKI VODIČI / ALUMINIUM CONDUCTORS - AAC

prema / acc. to DIN 48201, CSA C49, ASTM B231, BS 215

Naziv vodiča	Promjer vodiča	Konstrukcija vodiča		Presjek	Izračunata prekidna sila	Masa
Code name	Overall diameter	Broj žica Wire number	Promjer žice Wire diameter	Section	Calculated breaking strength	Mass
	mm		mm	mm ²	daN	kg/km
VIOLET	24,30	61	2,70	349,26	5501	963
	24,71	37	3,53	362,50	6192	1000
	24,85	37	3,55	366,00	5470	1010
	25,00	19	5,00	373,60	5700	1030
PETUNIA ARBUTUS	25,34	37	3,62	380,00	6464	1050
	26,04	37	3,72	402,80	6826	1110
400	26,00	61	2,80	400,14	6086	1104
	26,80	19	5,36	428,60	6515	1180
ANEMONE	27,00	61	3,00	431,16	6791	1190
	27,37	37	3,91	443,10	7439	1220
	28,35	61	3,15	475,00	6860	1310
MAGNOLIA MAYBUG	28,56	37	4,08	483,40	8051	1335
	28,63	37	4,09	485,90	7290	1340
500	29,10	61	3,23	499,83	7506	1379
	29,75	37	4,25	523,70	8686	1442
BLUEBELL SCORPION	29,89	37	4,27	529,10	7870	1460
	30,87	61	3,43	564,00	9707	1527
MARIGOLD HAWTHORN	31,95	61	3,55	604,20	10319	1670
	32,55	37	4,65	627,80	9215	1730
625	32,60	91	2,96	626,20	95250	1732
	33,03	61	3,67	644,50	10954	1780
NARCISUS COLUMBINE	34,02	61	3,78	684,80	11544	1890
	34,60	91	3,15	709,00	10245	1955
CARNATION GLADIOLUS	35,01	61	3,89	725,10	12179	2000
	36,00	61	4,00	765,40	12791	2110
800	36,61	37	5,23	795,60	11575	2190
	36,80	91	3,35	802,09	118390	2218
COREOPSIS 1000	36,90	61	4,10	805,70	13426	2220
	41,10	91	3,74	999,71	145760	2767

VODIČI IZ ALUMINIJSKE LEGURE / ALUMINIUM ALLOY CONDUCTORS - AAAC

prema / acc. to DIN 48201, BS 3242

Naziv vodiča	Promjer vodiča	Konstrukcija vodiča		Presjek	Izračunata prekidna sila	Masa
Code name	Overall diameter	Broj žica Wire number	Promjer žice Wire diameter	Section	Calculated breaking strength	Mass
	mm		mm	mm ²	daN	kg/km
16	5,10	7	1,70	15,89	505	44
	5,37	3	2,50	14,73	442	40
	5,40	7	1,80	17,81	534	49
	5,60	3	2,60	15,93	489	44
	5,70	7	1,90	19,85	603	55
LILAC	6,00	7	2,00	21,99	660	60
	6,00	19	1,20	21,49	645	59
	6,02	3	2,80	18,47	554	51
	6,07	3	2,82	18,77	548	52
ACACIA 25	6,25	3	2,90	19,82	609	55
	6,25	7	2,08	23,87	694	66
	6,30	7	2,10	24,25	737	67
ALMOND	6,45	3	3,00	21,21	636	58
	6,75	7	2,25	27,83	835	77
	6,75	19	1,35	27,20	816	75
CEDAR	6,90	3	3,20	24,13	741	66
	7,01	7	2,34	30,00	870	82
35	7,20	7	2,40	31,67	963	87
	7,50	7	2,50	34,36	1031	95
CHESTNUT	7,62	7	2,54	35,48	1029	98
	7,72	3	3,58	30,19	884	83
DEODAR BIRCH	8,00	19	1,60	38,20	1146	105
	8,10	7	2,70	40,08	1218	110
50	8,22	7	2,74	41,35	1202	113
	8,38	3	3,88	35,61	1043	98
50	8,40	7	2,80	43,10	1293	118
	8,84	7	2,95	47,74	1383	131
70	9,00	7	3,00	49,48	1504	136
	9,00	19	1,80	48,35	1450	133
PINE	9,60	7	3,20	56,30	1689	155
	9,75	3	4,52	48,19	1411	132
HAZEL	9,90	7	3,30	59,93	1741	165
	10,00	19	2,00	56,69	1791	156
	10,50	19	2,10	65,82	1959	181
HOLLY	10,82	7	3,61	71,61	2077	197
	11,20	37	1,60	74,39	2232	205
	11,25	19	2,25	75,55	2266	208
	11,50	19	2,30	78,94	2349	217
	11,73	7	3,91	83,87	2440	230
WILLOW	11,75	19	2,35	82,41	2472	227
	12,11	7	4,04	89,67	2603	247
95	12,50	19	2,50	93,27	2798	257
	12,57	7	4,19	96,77	2803	266
JACARANDA	12,60	37	1,80	94,15	2825	259
	13,00	19	2,60	100,90	3002	275
	13,30	37	1,90	104,91	3232	288
LABURNUM	13,33	7	4,44	108,38	3152	298
	13,50	19	2,70	108,78	3264	299
OAK	13,94	7	4,65	118,71	3447	327

KARAKTERISTIKE VODIČA ZA VISOKONAPONSKE VODOVE CHARACTERISTICS OF OVERHEAD HIGH VOLTAGE LINE CONDUCTORS

VODIČI IZ ALUMINIJSKE LEGURE / ALUMINIUM ALLOY CONDUCTORS - AAAC prema / acc. to DIN 48201, BS 3242

Naziv vodiča	Promjer vodiča	Konstrukcija vodiča		Presjek	Izračunata prekidna sila	Masa	
Code name	Overall diameter	Conductor stranding	Promjer žice	Section	Calculated breaking strength	Mass	
	mm	Broj žica Wire number	Promjer žice Wire diameter	mm ²	daN	kg/km	
120	14,00	19	2,80	116,99	32580	322	
MAPLE	14,10	19	2,82	118,71	3370	327	
	14,50	19	2,90	125,50	3735	345	
	14,70	37	2,10	128,15	3845	352	
150	15,75	37	2,25	147,11	4413	404	
	MULBERRY	15,87	19	3,17	150,32	4272	414
16,00		19	3,20	152,81	4584	420	
16,45		37	2,35	160,50	4622	442	
ASH	17,40	19	3,48	180,64	5125	497	
	185	17,50	37	2,50	181,62	5449	500
18,20		37	2,60	196,40	5658	540	
ELM	18,80	19	3,76	210,96	5987	580	
	PALM	18,84	37	2,69	210,96	5715	580
18,90		37	2,70	211,85	6355	583	
18,90		61	2,10	211,28	6022	580	
19,60		37	2,80	227,83	6835	625	
POPLAR		20,09	37	2,87	239,35	6531	658
	240	20,25	61	2,25	242,51	6912	667
		20,30	37	2,90	244,40	7038	673
ROWAN	21,15	61	2,35	264,58	7541	728	
	21,34	37	3,05	269,67	7348	742	
	21,80	19	4,36	283,67	8260	780	
300	22,40	37	3,20	297,57	8927	818	
	SYCAMORE	22,50	61	2,50	299,43	8534	825
		22,58	37	3,22	302,58	8210	832
	23,40	61	2,60	323,90	9327	890	
	UPAS	24,30	61	2,70	349,26	9954	960
24,71		37	3,53	361,93	9842	995	
24,85		37	3,55	366,22	10600	1005	
400	26,10	61	2,90	402,90	11604	1110	
	WALNUT	26,67	37	3,81	421,93	11475	1160
27,00		61	3,00	431,18	12889	1185	
27,36		61	3,04	442,73	12700	1218	
28,14		37	4,02	469,61	13000	1290	
YEW		28,44	37	4,06	480,00	13063	1320
	28,80	61	3,20	490,60	14128	1349	
	500	29,07	61	3,23	499,83	13966	1379
30,47		91	2,77	548,40	15630	1510	
31,05		61	3,45	570,24	16930	1570	
32,31		61	3,59	617,30	17500	1700	
625		32,56	91	2,96	626,20	17500	1733
	33,00	91	3,00	643,20	18330	1770	
		35,73	61	3,97	763,00	22300	2100
800	36,85	91	3,35	802,09	22400	2219	
	39,24	61	4,36	912,00	27000	2508	
	1000	41,14	91	3,74	999,71	27922	2766

BAKRENI VODIČI / COPPER CONDUCTORS prema / acc. to DIN 48201

Naziv vodiča	Promjer vodiča	Konstrukcija vodiča		Presjek	Izračunata prekidna sila	Masa
Code name	Overall diameter	Conductor stranding	Promjer žice	Section	Calculated breaking strength	Mass
	mm	Broj žica Wire number	Promjer žice Wire diameter	mm ²	daN	kg/km
10	4,05	7	1,35	10,02	362	91
	4,5	7	1,50	12,37	447	103
16	4,65	7	1,55	13,30	558	121
	5,00	19	1,00	14,90	470	135
	5,10	7	1,70	15,89	574	145
25	5,25	7	1,75	16,77	699	153
	5,37	3	2,50	14,73	477	135
	5,50	19	1,10	18,05	580	164
	5,70	7	1,90	19,85	716	181
	35	5,88	7	1,96	21,15	880
6,00		19	1,20	21,50	690	197
6,30		7	2,10	24,25	875	221
50	6,50	19	1,30	25,21	820	230
	6,60	7	2,20	26,67	1104	244
	7,00	19	1,40	29,24	945	267
	7,20	7	2,40	31,67	1143	290
	7,41	7	2,47	33,63	1381	307
70	7,50	19	1,50	33,57	1085	306
	7,50	7	2,50	34,40	1372	314
	7,70	37	1,10	35,15	1140	321
	7,80	7	2,60	37,16	1205	339
	8,00	19	1,60	38,20	1240	349
95	8,10	7	2,70	40,08	1447	365
	8,34	7	2,78	42,41	1726	387
	8,40	37	1,20	41,81	1355	382
	8,40	7	2,80	43,10	1395	393
	8,50	19	1,70	43,13	1395	395
100	8,70	7	2,90	41,23	1335	376
	9,00	19	1,80	48,35	1709	441
	9,00	7	3,00	49,48	1786	451
	9,10	37	1,30	49,10	1590	448
	9,36	7	3,12	53,48	2155	488
125	9,50	19	1,90	53,86	1745	491
	9,80	37	1,40	56,94	1845	520
	10,00	19	2,00	59,69	1930	545
	10,20	7	3,40	63,55	2294	580
	10,50	37	1,50	65,38	2610	597
150	10,50	7	3,50	67,43	2688	615
	10,50	19	2,10	65,81	2326	601
	10,50	37	1,50	65,38	2105	597
	11,00	19	2,20	72,20	2340	658
	11,20	37	1,60	74,39	2405	678
200	11,50	19	2,30	78,94	2790	720
	11,79	7	3,93	85,03	3341	775
	11,90	37	1,70	83,99	2710	767
250	12,00	19	2,40	85,94	2785	784
	12,50	19	2,50	93,20	3724	850

GENERAL DATA AND RECOMMENDATIONS

KARAKTERISTIKE VODIČA ZA VISOKONAPONSKE VODOVE
CHARACTERISTICS OF OVERHEAD HIGH VOLTAGE LINE CONDUCTORS

BAKRENI VODIČI / COPPER CONDUCTORS

prema / acc. to DIN 48201

Naziv vodiča	Promjer vodiča	Konstrukcija vodiča		Presjek	Izračunato prekidna sila	Masa
Code name	Overall diameter	Conductor stranding		Section	Calculated breaking strength	Mass
	mm	Broj žica Wire number	Promjer žice Wire diameter	mm ²	daN	kg/km
	12,60	37	1,80	94,15	3025	860
	13,00	19	2,60	100,90	3565	913
	13,26	7	4,42	107,22	4150	978
	13,30	37	1,90	104,91	3400	960
	13,50	19	2,70	108,78	3515	995
120	14,00	19	2,80	117,00	4135	1068
	14,00	37	2,00	116,24	3780	1060
	14,50	19	2,90	125,50	4050	1145
	14,55	19	2,91	126,70	5103	1155
	14,70	37	2,10	128,20	4383	1170
	14,75	19	2,95	129,77	5170	1185
	15,00	19	3,00	134,31	4335	1225
	15,24	12	3,66	126,70	5048	1155
150	15,40	37	2,20	140,60	4555	1282
	15,75	37	2,25	147,10	5031	1340
	15,95	19	3,19	152,00	6123	1385
	16,00	19	3,20	152,76	5000	1392
	16,10	37	2,30	153,70	4975	1402
	16,45	37	2,35	160,50	5488	1463
	16,50	19	3,30	162,45	8500	1485
	16,68	12	4,01	151,99	5974	1388
	16,80	37	2,40	167,35	5430	1525
185	17,25	19	3,45	177,30	7076	1618
	17,50	37	2,50	181,60	6212	1655
	18,03	12	4,33	177,35	6867	1620
	18,20	37	2,60	196,40	6718	1790
	18,45	19	3,69	202,70	7960	1845
	18,90	37	2,70	211,85	6860	1930
	19,55	19	3,91	227,99	8959	2080
	19,60	37	2,80	228,00	9276	2080
240	20,25	61	2,25	243,00	6696	2219
	20,30	37	2,90	244,40	8358	2225
	20,60	19	4,12	253,35	9956	2310
	20,65	37	2,95	253,40	10206	2310
	20,70	49	2,30	203,59	6600	1860
	21,00	37	3,00	261,52	8460	2385
	21,60	49	2,40	221,67	7190	2020
	21,70	37	3,10	278,70	11249	2540
	22,40	37	3,20	297,60	10177	2710
300	22,50	61	2,50	299,00	11956	2725
	22,61	37	3,23	304,00	12247	2775
	22,68	61	2,52	303,99	12487	2775
	23,58	61	2,62	329,40	13517	3000
	24,46	37	3,50	354,70	14138	3235
	24,48	61	2,72	354,70	14424	3235

BAKRENI VODIČI / COPPER CONDUCTORS

prema / acc. to DIN 48201

Naziv vodiča	Promjer vodiča	Konstrukcija vodiča		Presjek	Izračunato prekidna sila	Masa
Code name	Overall diameter	Conductor stranding		Section	Calculated breaking strength	Mass
	mm	Broj žica Wire number	Promjer žice Wire diameter	mm ²	daN	kg/km
	25,20	61	2,80	375,60	15000	3420
	25,32	37	3,62	379,99	15150	3470
	25,38	61	2,82	380,00	15467	3470
	25,65	61	2,85	389,14	15550	3550
400	26,00	61	2,89	400,14	16042	3640
	26,13	37	3,73	405,35	15930	3700
	26,19	61	2,91	405,40	16329	3700
	27,00	61	3,00	430,70	17372	3930
	27,73	37	3,96	456,06	17921	4160
	27,81	61	3,09	456,00	18370	4160
	28,53	61	3,17	481,40	19414	4395
500	29,10	61	3,23	499,83	20038	4545
	29,23	37	4,17	506,70	19880	4620
	29,25	61	3,25	506,70	20412	4620
	32,71	61	3,63	633,35	25251	5775
	32,74	91	2,98	633,35	25528	5775
	35,83	61	3,98	759,99	29864	6940
	35,86	91	3,26	759,99	30635	6940
	38,76	91	3,52	886,44	35348	8090
	38,76	127	2,98	886,44	35743	8090
	41,40	91	3,76	1013,54	39820	9250
	41,45	127	3,19	1013,54	40845	9250

KARAKTERISTIKE VODIČA ZA VISOKONAPONSKE VODOVE CHARACTERISTICS OF OVERHEAD HIGH VOLTAGE LINE CONDUCTORS

ČELIČNA UŽETA / STEEL CONDUCTORS

prema / acc. to DIN 48201

Naziv vodiča	Promjer vodiča	Konstrukcija vodiča		Presjek	Izračunato prekidna sila	Masa
Code name	Overall diameter	Conductor stranding		Section	Calculated breaking strength	Mass
	mm	Broj žica Wire number	Promjer žice Wire diameter	mm ²	daN	kg/km
10	4,19	1	4,19	13,78	1920	108
	4,50	3	2,10	10,40		
	4,87	7	1,62	14,42	1980	115
16	5,10	7	1,70	15,88	2280	127
	5,40	7	1,80	17,78	2490	142
	5,58	3	2,60	15,92	2220	127
25	6,00	7	2,00	22,00	3065	176
	6,09	7	2,03	22,61	3150	181
	6,30	7	2,10	24,22	3378	194
	6,36	7	2,12	24,70	3310	197
	6,50	7	2,17	25,83	3600	206
	7,00	7	2,33	29,82	4150	249
35	7,08	7	2,36	30,62	4260	245
	7,50	7	2,50	34,35	4791	275
	7,77	7	2,59	36,87	5120	295
	7,80	7	2,60	37,20	5185	299
	7,92	7	2,64	38,29	5341	306
	8,00	19	1,60	38,20	5272	305
	8,04	7	2,68	39,50	5290	316
	8,07	7	2,69	39,76	5546	318
50	8,40	7	2,80	43,10	6013	344
	8,76	7	2,92	46,87	6650	375
	8,84	7	2,95	47,84	6800	383
	9,00	19	1,80	48,30	6672	387
	9,00	7	3,00	49,48	6902	395
	9,15	7	3,05	51,14	7100	409
	9,24	7	3,08	52,20	6990	417
	9,30	7	3,10	52,83	7150	422
	9,51	7	3,17	55,23	7704	442
	9,54	7	3,18	55,58	7753	445
70	9,60	7	3,20	56,28	7851	450
	9,69	7	3,23	57,35	8000	459
	9,75	7	3,25	58,07	8100	465
	10,00	19	2,00	59,70	8237	477
	10,50	19	2,10	65,14	9072	521
	10,56	7	3,52	68,10	9130	544
	10,80	7	3,60	71,19	10310	570
	10,97	7	3,66	73,64	9850	589
	11,00	19	2,20	72,20	9967	577
	11,04	7	3,68	74,41	10380	595
	11,50	19	2,30	78,94	10893	631
	120	11,68	19	2,34	81,70	11300
11,81		19	2,36	83,11	11450	665
12,00		19	2,40	85,88	11862	686
12,18		7	4,06	90,62	12650	725
12,34		7	4,13	93,77	12700	750

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Code name	Overall diameter	Conductor stranding		Section	Calculated breaking strength	Mass
	mm	Broj žica Wire number	Promjer žice Wire diameter	mm ²	daN	kg/km
95	12,50	19	2,50	93,27	12871	745
	12,57	7	4,19	96,46	13320	771
	12,7	19	2,54	96,27	13300	770
120	13,00	19	2,60	100,00	14730	800
	13,20	19	2,64	104,00	14350	832
	13,40	19	2,68	107,00	14360	856
	13,53	27	2,20	102,60	14158	820
	14,00	19	2,80	116,85	15400	934
	14,25	19	2,85	120,00	17670	960
150	14,36	19	2,87	122,91	18080	984
	14,40	37	2,05	122,10	17920	978
	14,75	19	2,95	130,00	19140	1039
	15,00	19	3,00	134,29	18532	1073
	15,57	7	5,19	148,08	20700	1185
	15,75	19	3,15	148,10	21810	1185
	16,30	19	3,26	158,59	22200	1270
	16,80	19	3,36	168,80	23500	1350
	18,32	19	3,66	199,89	28000	1600
	19,05	19	3,81	216,61	30200	1732
	20,57	19	4,11	250,07	35000	2003

GENERAL DATA AND RECOMMENDATIONS

S namjerom da se odabir izolatorskih lanaca učini na jednostavan način, izvršili smo tipizaciju izolatorskih lanaca koji zadovoljavaju tehničke zahtjeve kupaca i zahtjeve međunarodnih tendera.

Tipizacija izolatorskih lanaca izvršena je prema nazivnom naponu dalekovoda, tipu i karakteristikama izolatora i vodiča.

Tipizirani izolatorski lanci imaju slijedeće opće karakteristike:

- izolatorski lanci obuhvaćaju sve tipove i veličine vodiča koji su navedeni u općem dijelu kataloga,
- određeni su tipovi ovješena na stupu, a krajnji element izolatorskog lanca određen je prema tipu ovješena na stupu,
- tip nosne i zatezne stezaljke određen je prema tipu i veličini vodiča,
- zaštitne armature određene su prema nazivnom naponu dalekovoda i tipu izolatora u izolatorskom lancu,
- broj i dimenzije izolatorskih članaka dati su za napone 10, 20, 35, 110, 220 i 400 kV, te za uvjete nezagađene atmosfere, a za ostale napone i uvjete zagađene atmosfere potrebno ih je posebno odrediti.

Sastavni dijelovi ovjesne i spojne opreme prikazani su s glavnim montažnim i priključnim dimenzijama. Na temelju datih dijelova ovjesne i spojne opreme mogu se sastaviti i druga rješenja izolatorskih lanaca koja nisu obuhvaćena ovim katalogom. Tamo gdje je to moguće treba koristiti navedena tipska rješenja izolatorskih lanaca, jer su električki i mehanički ispitana i u praksi potvrđena. U slučaju specijalnih zahtjeva koji su sadržani u tenderskoj dokumentaciji mogu se na temelju dostavljene tenderske dokumentacije razraditi rješenja izolatorskih lanaca koja će odgovarati postavljenim zahtjevima, te dostaviti odgovarajuću ponudu.

Nacrti izolatorskih lanaca, zavješena zaštitnih užadi i opreme za vodiče daju se uz ponudu i mogu se koristiti kao dio projekta i kao dokumentacija pri tehničkom preuzimanju i otpremi isporuka i kod montaže na terenu.

Prilikom odabira, naručivanja i tehničkog preuzimanja ovjesne i spojne opreme treba voditi računa o slijedećem :

- za izolatorske lance s antifog izolatorima, izolatorski lanci se izporučuju s posebnim produženim zdjelicama,
- prema tipu ovješena na stupu treba provjeriti način ovješena i priključne dimenzije u odnosu na izolatorski lanac,
- kod primjene preformiranih pruteva isporučuje se samo veća nosna stezaljka,
- kod primjene utega isporučuje se nosna stezaljka s opremom za ovješene utega,
- kod izolatorskih lanaca s komresionim zateznim stezaljkama obavezno se mora dati tip vodiča, promjer i konstrukcija kako bi se mogla odrediti odgovarajuća zatezna komresiona stezaljka,
- u katalogu je sadržana i oprema za vodiče i zaštitna užeta, tj. prigušivači vibracija tipa "Stockbridge", rastojnici, rastojnici-prigušivači, zatezne i nastavne komresione spojnice, komresione spojnice za popravak, strujne stezaljke i kugle za označavanje dalekovoda.

In order to simplify insulator string selection we have carried out insulator strings typification which satisfied purchaser technical requirements and requirements of international tenders. Typification of insulator strings is carried out in accordance to nominal voltage of transmission line, to type and characteristics of insulator unit and to type of conductor.

Typified insulator strings are having the following characteristics:

- insulator strings include all types and sizes of the conductors which are quoted in the general part of the catalogue,
- types of insulator strings attachments to the tower are determined, and the terminal part of insulator string is determined in accordance to type of attachment to the tower,
- type of suspension and tension clamp is determined in accordance of type and size of the conductor,
- protection arcing horns, rackets and rings are determined in accordance to nominal voltage of transmission line and to type of insulator unit in insulator string,
- number and dimensions of insulator units are given for the voltages 10, 20, 35, 110, 220 and 400 kV and for clear atmosphere conditions, and for other voltages and polluted atmosphere conditions is necessary to determine them.

The component parts of suspension and jointing equipment are shown with main assembling and connecting dimensions. On the base of given component parts can be determined and other solutions of insulator strings which are not included in this catalogue.

The recommendation is to use quoted typified insulator strings where it is possible, because they are electrical and mechanical tested and confirmed in the practice.

In the case of special requirements which are included in tender documentation can be, on the base of tender documentation, prepared drawings of insulator strings according to requirements, and it is possible to send the offer.

Drawings of insulator strings, earthwire attachments and conductor accessories are the part of the quotation and can be used as a part of design and tender documentation. They can also be used at technical acceptance and at despatch of deliveries and also at assembly and mounting of equipment on transmission lines.

At the selection, ordering and technical acceptance of suspension and jointing equipment must be kept in mind following:

- for insulator string with antifog insulator units, insulator strings will be supplied with special long sockets,
- check up the type of attachment on the tower and connecting dimensions of insulator string,
- at the application of performed rods will be supplied larger suspension clamp,
- at the application of counterweights will be supplied suspension clamp with equipment for their attachment,
- at the insulator strings with compression dead end clamps, please indicate size, diameter and conductor stranding, because it is the base for selection of relevant dead end clamp,

Ovjesna i spojna oprema namjenjena je za izolatorske lance s kapastim i štapnim izolatorima. Projektirana je tako da su izbjegnuti oštri bridovi i izbočine, te su gubitci od korone i nivo radiosmetnji na izolatorskim lancima niski i zadovoljavaju i najstrože zahtjeve standarda.

Priključne veze metalnih dijelova izvedene su pomoću vilice i očke s vijkom ili svornikom što smanjuje mogućnost habanja i oštećenja od struje kratkog spoja.

Ovjesna i spojna oprema odgovara slijedećim standardima:

- *zglobna veza batić-zdjelica izvodi se u skladu sa standardom IEC 120, a zatič za osiguranje zglobne veze je u skladu sa standardom IEC 372-1 i 372-2,*
- *električne i mehaničke karakteristike odgovaraju standardima IEC, HRN, BS, DIN i drugim u svijetu priznatim standardima.*

Zaštita protiv korozije na ovjesnoj i spojnoj opremi izvodi se postupkom vrućeg cinčanja, a kvaliteta zadovoljava svim zahtjevima standarda HRN, BS, ASTM, DIN i drugim u svijetu priznatim standardima.

Kod tehničkih preuzimanja isporuka ovjesne i spojne opreme vrše se mehanička i električna ispitivanja te kemijska ispitivanja koja su predviđena standardima i zahtjevima kupaca. Ova ispitivanja izvode se u našem elektro-mehaničkom laboratoriju i kemijskom laboratoriju.

- *in this catalogue is included and accessories for conductors and earthwires, i.e. vibration dampers, type "Stockbridge", spacers, spacer-dampers, compression midspan joints, compression repair sleeves, parallel groove clamps and aircraft warning spheres.*

Suspension and jointing equipment is intended for insulator strings with cap and pin insulator units and also for rod insulator units. It is designed so to avoid sharp edges in order to minimize the corona losses and the level of RIV at insulator strings.

The connection between metal parts is carried out by means of clevis-tonque with bolt or rivet in order to minimize possibility of any mechanical damages and electrical damages at short circuit current.

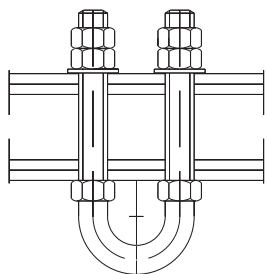
Suspension and jointing equipment is in accordance with following standards:

- *ball and socket coupling is in accordance to IEC 120, and locking device is in accordance to IEC 372-1 and 372-2,*
- *electrical and mechanical characteristics are in accordance, with relevant IEC, HRN, BS, DIN and other world recognized standards,*
- *protection against corrosion at suspension and jointing equipment is carrying out by hot dip galvanizing, and in accordance to all requirements of HRN, BS, DIN ,ASTM and other world recognized standars.*

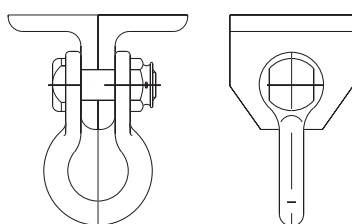
At technical acceptance of delivery of suspension and jointing equipment will be carried out electrical, mechanical and chemical testing in accordance to all requirements of standards which are quoted in the orders. These testings will be carried out in our electro-mechanical and chemical laboratories.

Ovješnja nosnih izolatorskih lanaca

Ovješnje s "U" stremenom
Attachment with "U" bolt

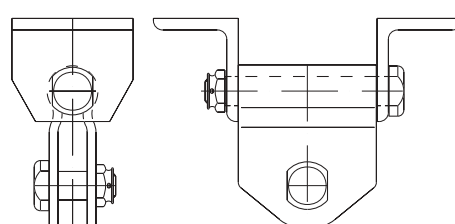
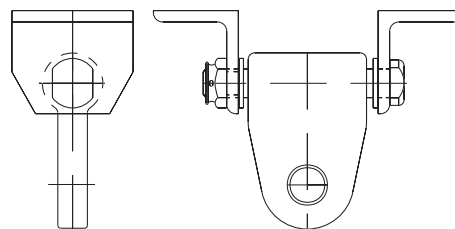


Ovješnje sa škopcem
Attachment with shackle



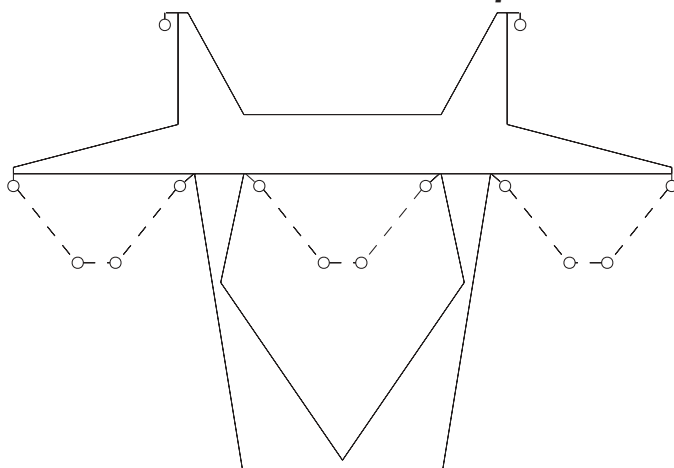
Suspension string attachments

Ovješnje sa zastavicom
Attachment with hinge



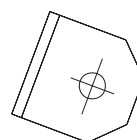
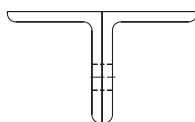
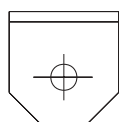
Ovješnje "V" lanca

"V" Suspension string attachment



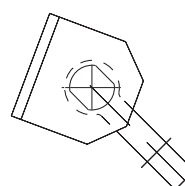
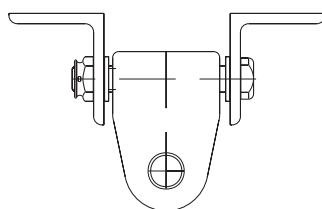
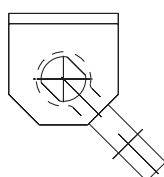
Ovješnje na čelične profile

Attachment to steel profiles

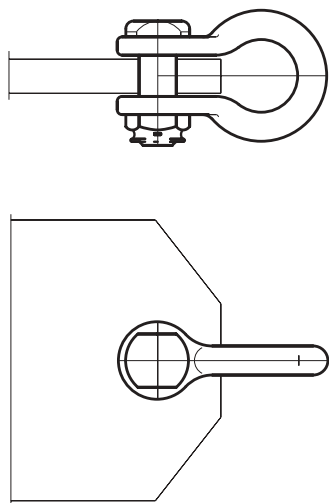
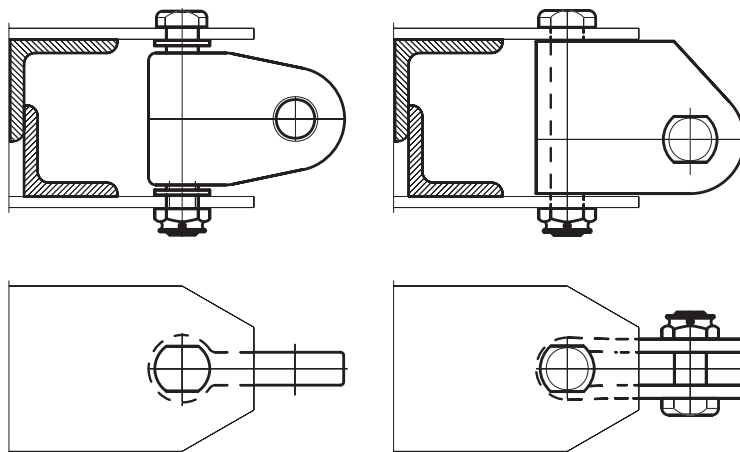
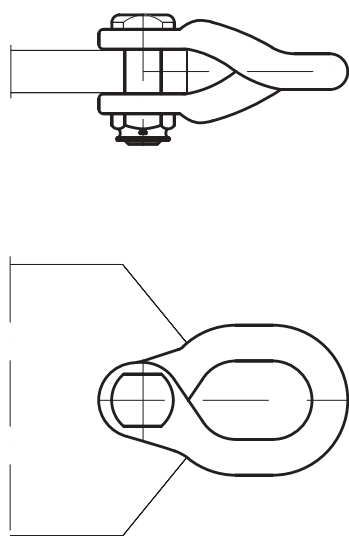
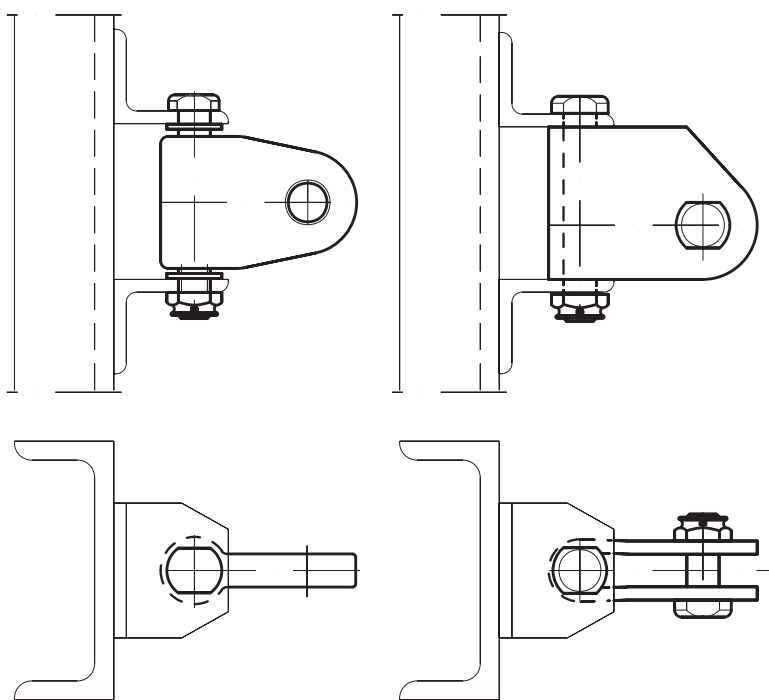


Ovješnje sa zastavicom

Attachment with hinge

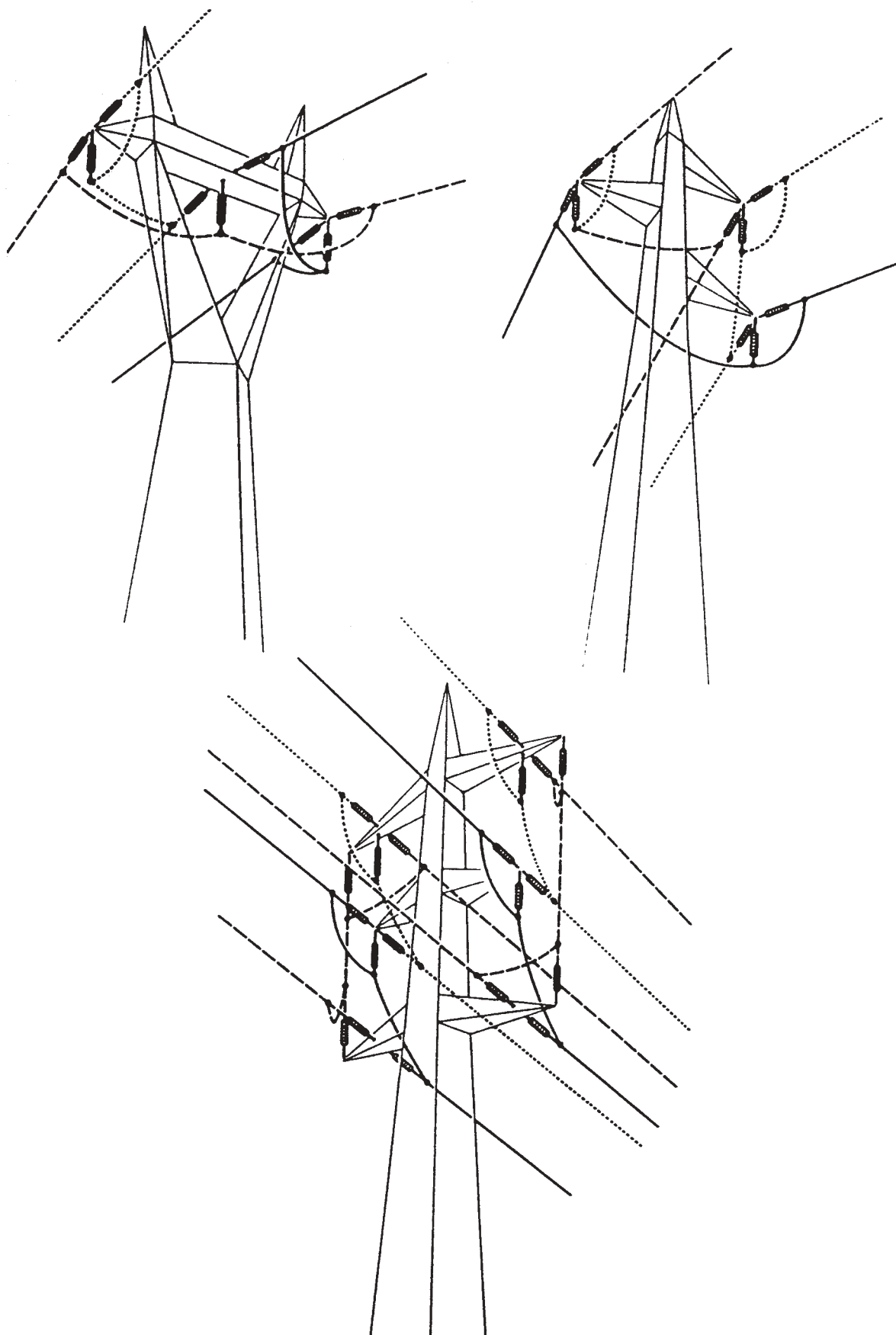


Zavješanje zateznih izolatorskih lanaca *Tension string attachment*

 Zavješanje sa ravnim škopcem
Attachment with shackle

 Zavješanje sa zastavicom
Attachment with hinge

 Zavješanje sa škopcem 90°
Attachment with shackle 90°

 Zavješanje sa zastavicom
Attachment with hinge


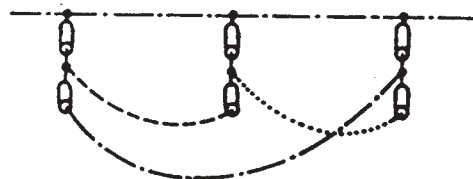
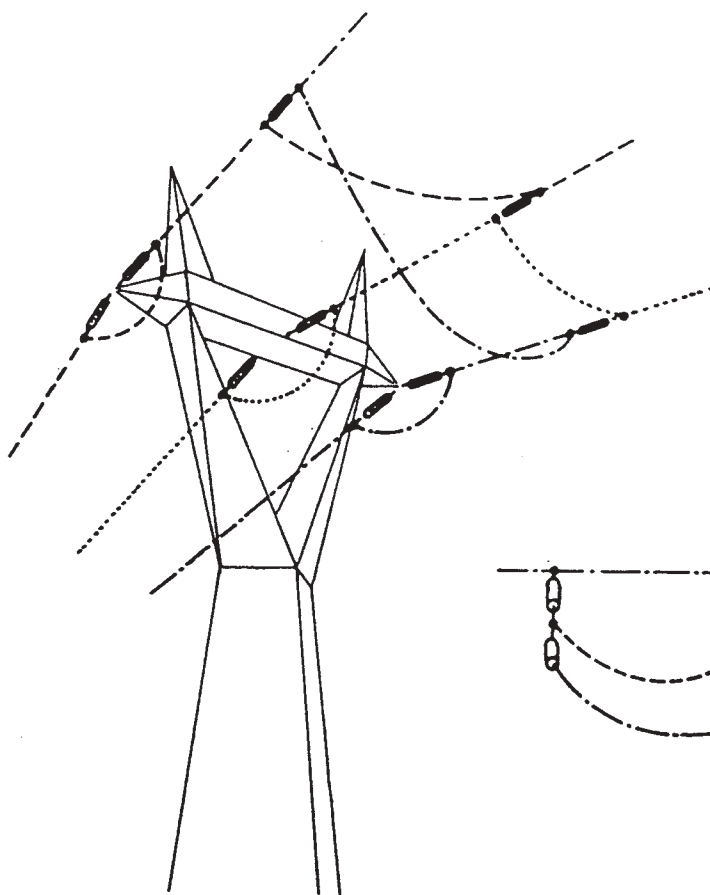
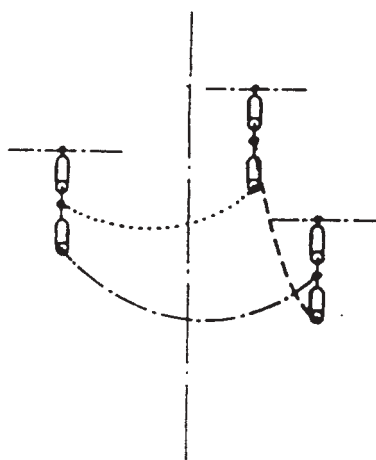
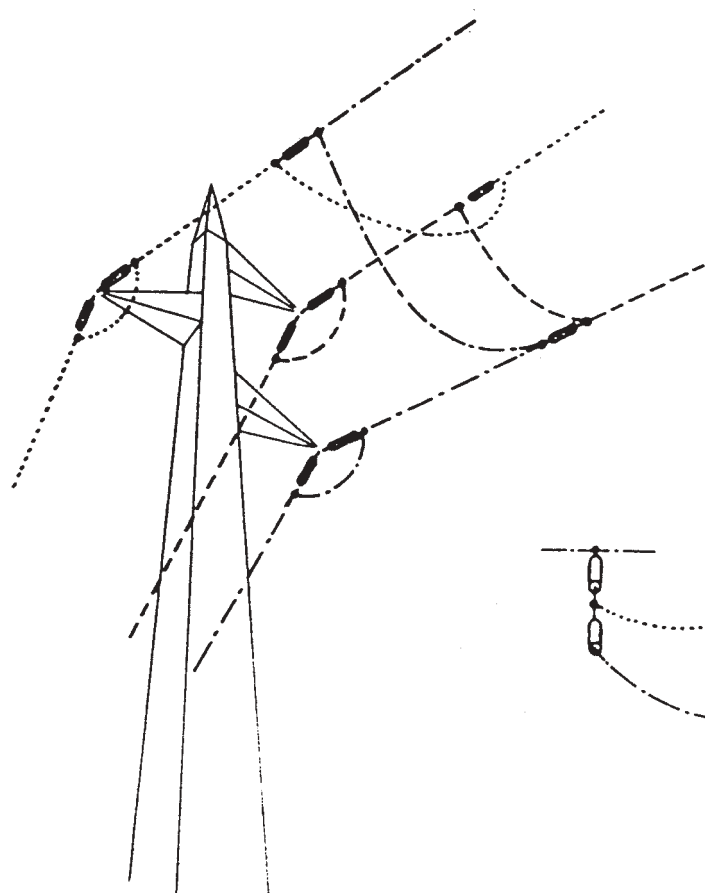
SHEME PREPLETA

TRANSPOSITION SCHEMES



HEME PREPLETA

TRANSPOSITION SCHEMES



GENERAL DATA AND RECOMMENDATIONS

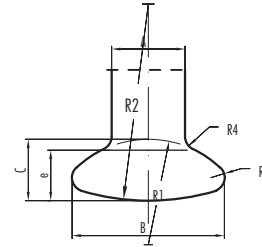
ZGLOBNA VEZA "BATIĆ I ZDJELICA"

BALL AND SOCKET COUPLING

Dimenzije batića prema IEC 120

Veličina batića Ball size mm	Dimenzije Dimensions [mm]								
	A	B	C	R1	R2	R3	R4	e	
11	11,9 ^{-1.1}	22,8 ^{-1.3}	9,1 ^{-1.2}	35	35	3,5	3,5	8,4 ^{-1.2}	
16	17,0 ^{-1.2}	33,3 ^{-1.5}	13,4 ^{-1.3}	23	50	3,0	3,0	11,0 ^{-1.3}	
20	21,0 ^{-1.3}	41,0 ^{-1.6}	19,5 ^{-1.4}	27	60	5,7	3,5	16,5 ^{-1.4}	
24	25,0 ^{-1.4}	49,0 ^{-1.8}	21,0 ^{-1.7}	40	70	6,6	4,0	22,5 ^{-1.5}	

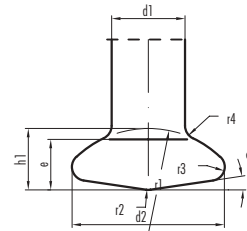
Ball dimensions acc. to IEC 120



Dimenzije batića prema ANSI C29.2

Veličina batića Ball size mm	Dimenzije Dimensions [mm]									
	d1	d2	e	h1	a	r1	r2	r3	r4	
ANSI 52-3	16 ^{+0.7} _{-0.3}	33 ^{-1.2}	12,5	13,8 ^{-1.2}	11 ^{-30°}	23,4	6,3	3	3	
ANSI 52-5	18 ^{+0.6} _{-0.6}	33 ^{-1.2}	12	13,8 ^{-1.2}	11 ^{-30°}	23,4	6,3	3	3	
ANSI 52-8	22 ^{+1.0} _{-0.4}	42,8 ^{-1.8}	16,5	18,3 ^{-1.5}	9 ^{-30°}	32	4	5	3,8	

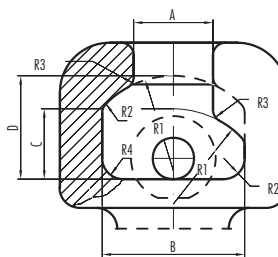
Ball dimensions acc. to ANSI C29.2



Dimenzije zdjelice prema IEC 120

Veličina zdjelice Socket size mm	Dimenzije Dimensions [mm]									Zatič "R" pin mm
	A	B	C	D	R1	R2	R3	R4		
11	12,5 ^{+1.3}	24,5	10,5 ^{+1.3}	15,5	35	4	1,5	4	4,8	
16A	19,2 ^{+1.6}	34,5	14,5 ^{+1.6}	20,5	23	3	3,0	3	5,5	
16B	19,2 ^{+1.6}	34,5	17 ^{+1.6}	25,0	23	3	3,0	5	7,9	
20	23,0 ^{+2.1}	42,5	20,5 ^{+2.1}	28,5	27	6	3,5	7	7,0	
24	27,5 ^{+2.5}	51	23,5 ^{+2.5}	32,5	40	5	4,0	10	8,7	

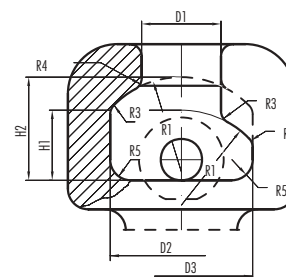
Socket dimensions acc. to IEC 120

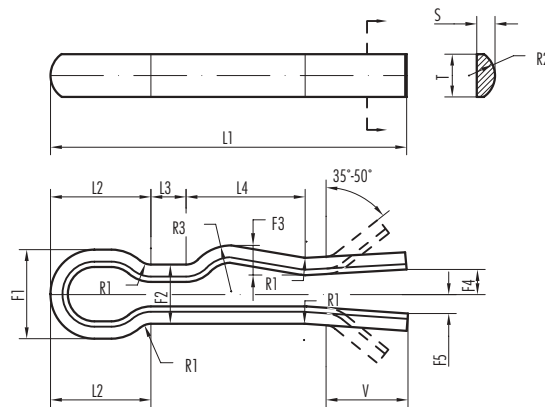


Dimenzije zdjelice prema ANSI C29.2

Veličina zdjelice Socket size mm	Dimenzije Dimensions [mm]									
	D1	D2 Min.	D3 Min.	H1	H2 Min.	R1	R3	R4	R5	
ANSI 52-3 ANSI 52-5	19,2 ^{+1.7} ₋₀	34,5 ^{+1.2} ₋₀	34,5 ^{+1.2} ₋₀	14,3 ^{+1.5} ₋₀	21,5 ^{+0.5} ₋₀	23,5	5	3	5	
ANSI 52-8 ANSI 52-11	24,7 ^{+2.2} ₋₀	44,0 ^{+1.7} _{-0.8}	44,0 ^{+2.6} _{-0.8}	18,7 ⁺² ₋₀	28,5 ⁺⁰ ₋₁	32	5	4	5	

Socket dimensions acc. to ANSI C29.2



"R" ZATIĆ**COTTER PIN "R"**

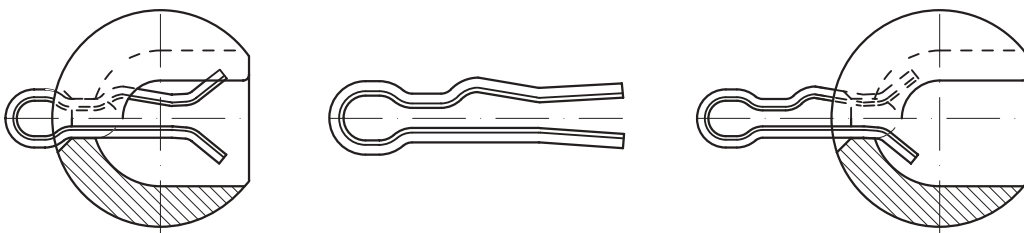
"R" Zatić prema IEC 372

Cotter pin "R" acc. to IEC 372

Kataloški broj Catalogue number	Zglobna veza Standard coupling	Dimenzije Dimensions [mm]															
		F1	F2	F3	F4	F5	L1	L2	L3	L4	R1	R2	R3	S	T	V	
34.03.11	11	11,9 ^{+0.5}	8,4 ^{+0.2}	4,5 ^{+0.2}	3,5	2,5	50 ^{+1.5}	16,0	4,6 ^{+0.5}	16	2	3,3	6,0	2,2 ^{+0.1}	4,8 ^{+0.2} ₀	8	
34.04.16	16A	14,5 ^{+0.5}	10,5 ^{+0.2}	5,5 ^{+0.2}	4,5	3,0	65 ^{+1.5}	19,0	5,2 ^{+0.5}	18	3	3,8	6,5	3,2 ^{+0.1}	5,5 ^{+0.2} ₀	12	
34.03.16	16B	16,4 ^{+0.5}	10,9 ^{+0.2}	5,5 ^{+0.2}	4,5	3,5	65 ^{+1.5}	18,5	6,5 ^{+0.5}	22	3	4,8	8,5	3,2 ^{+0.1}	7,9 ^{+0.2} ₀	12	
34.04.20	20	16,4 ^{+0.5}	10,9 ^{+0.2}	6,0 ^{+0.2}	4,5	3,5	80 ^{+1.5}	22,5	6,5 ^{+0.5}	22	3	4,8	8,5	3,2 ^{+0.1}	7,0 ^{+0.2} ₀	12	
34.04.24	24	20,0 ^{+0.5}	13,0 ^{+0.2}	7,0 ^{+0.2}	7	4,0	100 ^{+1.5}	29,5	7,7 ^{+0.5}	28	4	5,7	10,0	4,0 ^{+0.1}	8,7 ^{+0.2} ₀	12	
34.04.28	28	22,5 ^{+0.5}	14,0 ^{+0.2}	7,4 ^{+0.2}	7,5	4,5	115 ^{+1.5}	32,5	8,7 ^{+0.5}	31	5	6,2	12,0	4,5 ^{+0.1}	10,0 ^{+0.3} ₀	15	
34.04.32	32	26,0 ^{+0.5}	16,0 ^{+0.2}	8,4 ^{+0.2}	8,5	5,0	130 ^{+1.5}	37,0	10,0 ^{+0.5}	36	6	7,2	14,0	5,2 ^{+0.1}	11,5 ^{+0.3} ₀	15	

Zatvaranje zglobne veze batić - zdjelicu vrši se sa zatićem tipa "R" podesnim za rad pod naponom.

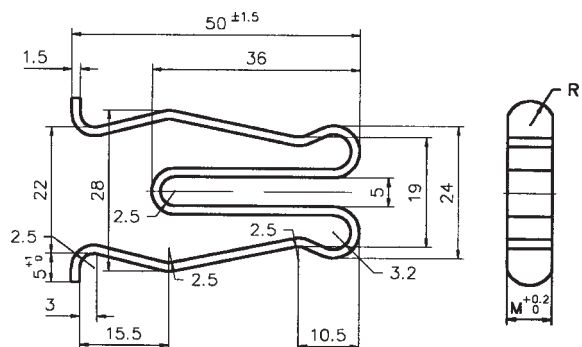
Ball and socket coupling is secured with "R"- cotter pins suitable for hot line maintenance.



"M" Zatić prema IEC 372

Cotter pin "M" acc. to IEC 372

Kataloški broj Catalogue number	prema Standard coupling	Dimenzije Dimensions [mm]	
		M	R
34.13.16	16A	5,5	3
34.14.16	16B	7,9	4,5



GENERAL DATA AND RECOMMENDATIONS

Pretvorba englesko-američkih tehničkih mjera u metričke mjere i obratno

Conversion of English-American technical measures into Metric measures and vice versa

Dužinske mjere - Linear measures

1 mil	=	0.0254	mm	1 mm	=	39	mils
1 inch (Zoll)	=	25.4	mm	1 mm	=	0.039	inches (Zoll)
1 foot	=	0.3048	m	1 m	=	3.281	feet
1 yard	=	0.914	m	1 m	=	1.084	yards
1 mile	=	1.609	km	1 km	=	0.621	miles

Površinske mjere - Square measures

1 sq. in.	=	645.1	mm ²	1 mm ²	=	0.00155	sq. in.
1 sq. ft.	=	0.093	m ²	1 m ²	=	10.765	sq. ft.
1 sq. yd.	=	0.836	m ²	1 m ²	=	1.196	sq. yd.

Zapreminske mjere - Cubic measures

1 cu. in.	=	16.386	cm ³	1 cm ³	=	0.061	cu. in.
1 cu. ft.	=	0.028	m ³	1 m ³	=	35.315	cu. ft.
1 cu. yd.	=	0.764	m ³	1 m ³	=	1.308	cu. yd.

Mjere volumena - Measures of capacity

1 pint	=	0.568	l	1 l	=	1.761	pints
1 quart	=	1.136	l	1 l	=	0.880	quarts
1 Engl. gallon	=	4.544	l	1 l	=	0.220	E. gallons
1 Americ.gallon	=	3.785	l	1 l	=	0.264	A. gallons
1 quarter	=	290.79	l	1 l	=	0.0034	quarters
1 bushel	=	36.35	l	1 l	=	0.027	bushels

Mjere za masu - Measures of mass

1 grain	=	0.059	g	1 g	=	16.96	grains
1 ounce	=	28.349	g	1 g	=	0.0353	ounces
1 pound (lb)	=	0.454	kg	1 kg	=	2.205	pounds (lbs.)
1 Engl. ton	=	1.016	t	1 t	=	0.984	E. tons
1 Americ. ton	=	0.907	t	1 t	=	1.102	A. tons

Mjere za silu - Measures of strength

1 pound (lb)	=	0.454	kg	1 kg	=	2.205	pounds
1 pound (lb)	=	0.1383	N	1 N	=	7.231	pounds

1 kp	=	9.81	N	1 N	=	0.102	kp
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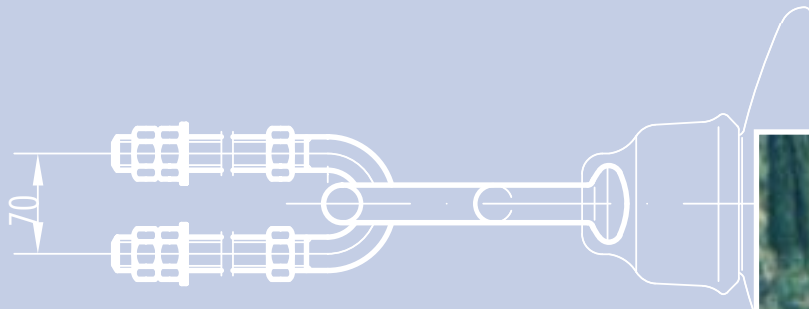
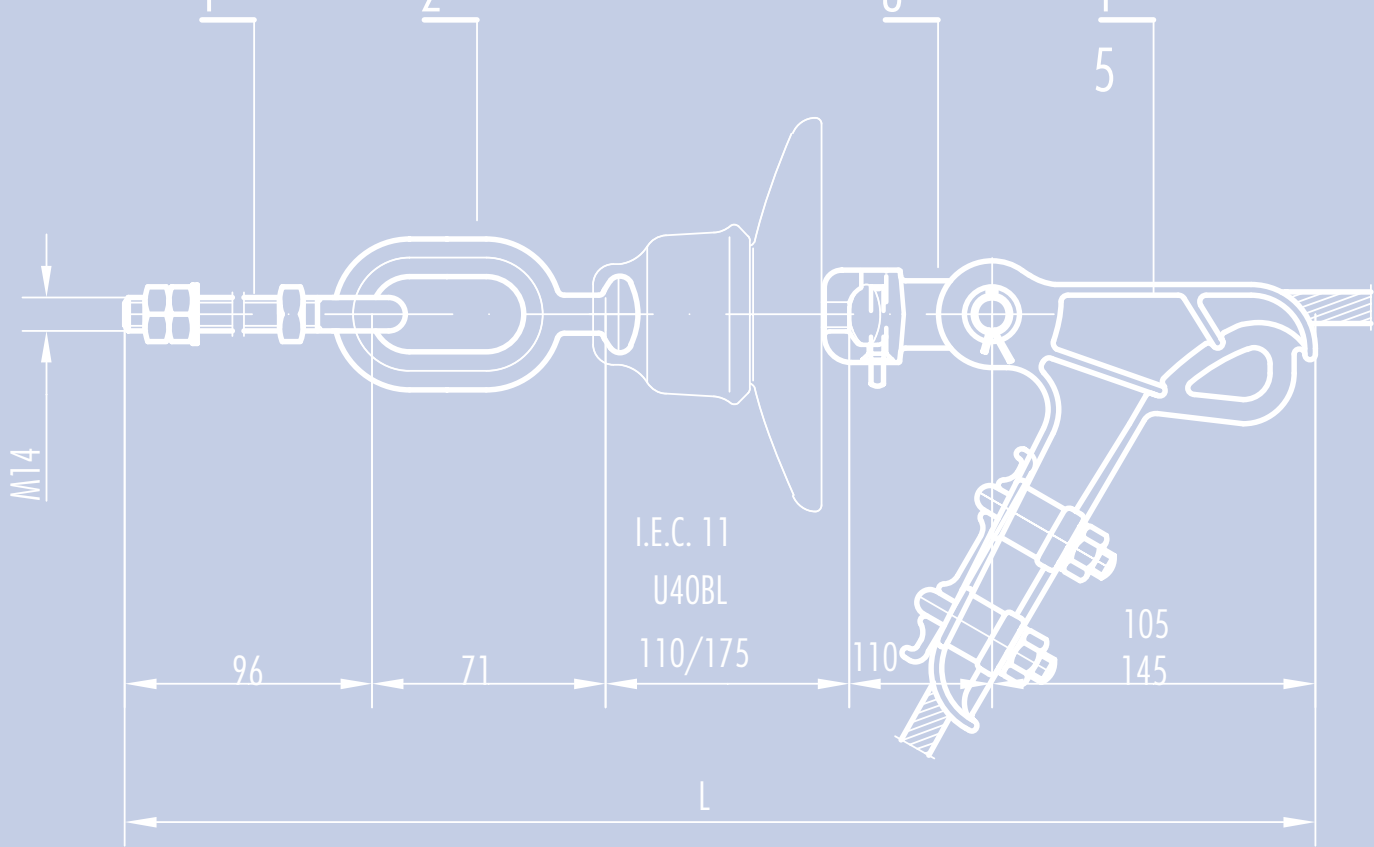
Temperatura - Temperature

$$^{\circ}\text{F} = \frac{9^{\circ}\text{C}}{5} + 32$$

$$^{\circ}\text{C} = \frac{5 (^{\circ}\text{F}-32)}{9}$$

MOMENTI PRITEZANJA VIJAKA (Nm) BOLT TIGHTENING TORQUES (Nm)

Vijci od čelika, vruće pocinčani Bolts of steel, h.d.g. prema / acc. to <u>DIN EN ISO 2320</u>		Vijci od nehrđajućeg čelika Bolts of stainless steel prema / acc. to <u>DIN EN ISO 3506</u>		
Oznaka čvrstoće 5.6 i 5.8 Strength - Class 5.6 and 5.8	Oznaka čvrstoće 8.8 Strength - Class 8.8	Oznaka čvrstoće 70 Strength - Class 70	Oznaka čvrstoće 80 Strength - Class 80	
Dopušteno vlačno naprezanje 300 N/mm ² Ultimate tensile strength 300 N/mm ²	Dopušteno vlačno naprezanje 640 N/mm ² Ultimate tensile strength 640 N/mm ²	Dopušteno vlačno naprezanje 450 N/mm ² Ultimate tensile strength 450 N/mm ²	Dopušteno vlačno naprezanje 600 N/mm ² Ultimate tensile strength 600 N/mm ²	
M6	5 Nm	9,6 Nm	6,6 Nm	9 Nm
M8	10 Nm	23 Nm	16 Nm	22 Nm
M10	20 Nm	46 Nm	32 Nm	43 Nm
M12	38 Nm	80 Nm	56 Nm	75 Nm
M14	60 Nm	125 Nm	90 Nm	120 Nm
M16	90 Nm	195 Nm	135 Nm	180 Nm
M18	130 Nm	280 Nm	190 Nm	260 Nm
M20	180 Nm	390 Nm	280 Nm	370 Nm



prije kompr.
before compr.

2

IZOLATORSKI LANCI ZA 10 kV

INSULATOR STRINGS FOR 10 kV

**JEDNOSTRUKI NOSNI LANAC
sa kapastim izolatorom**

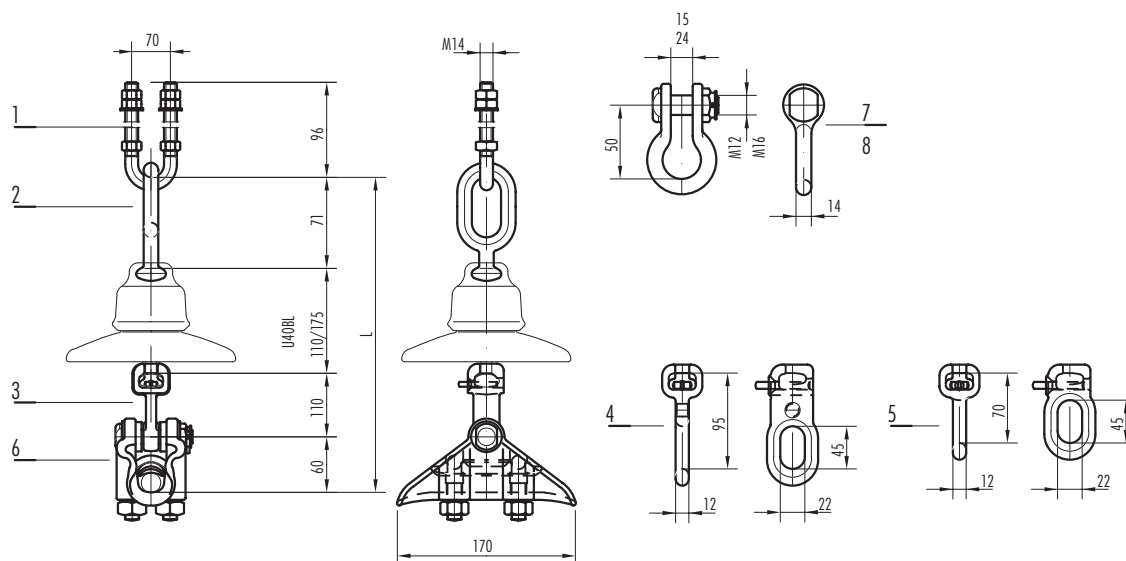
Za Al, Al - legura i Al-Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

40 kN, zglobna veza 11, IEC 120
**SINGLE SUSPENSION STRING
with cap and pin insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

40 kN, standard coupling 11, IEC 120

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.14.70	1	0.45
2.	21.04.10	1	0.18
3.	24.31.10	1	0.70
4.	24.78.10	1	0.38
5.	24.75.10	1	0.30
6.	10.15.90	1	0.87
7.	27.01.10A	1	0.35
8.	27.06.10	1	0.40

INSULATOR STRINGS FOR 10 kV

**DVOSTRUKI NOSNI LANAC
sa kapastim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

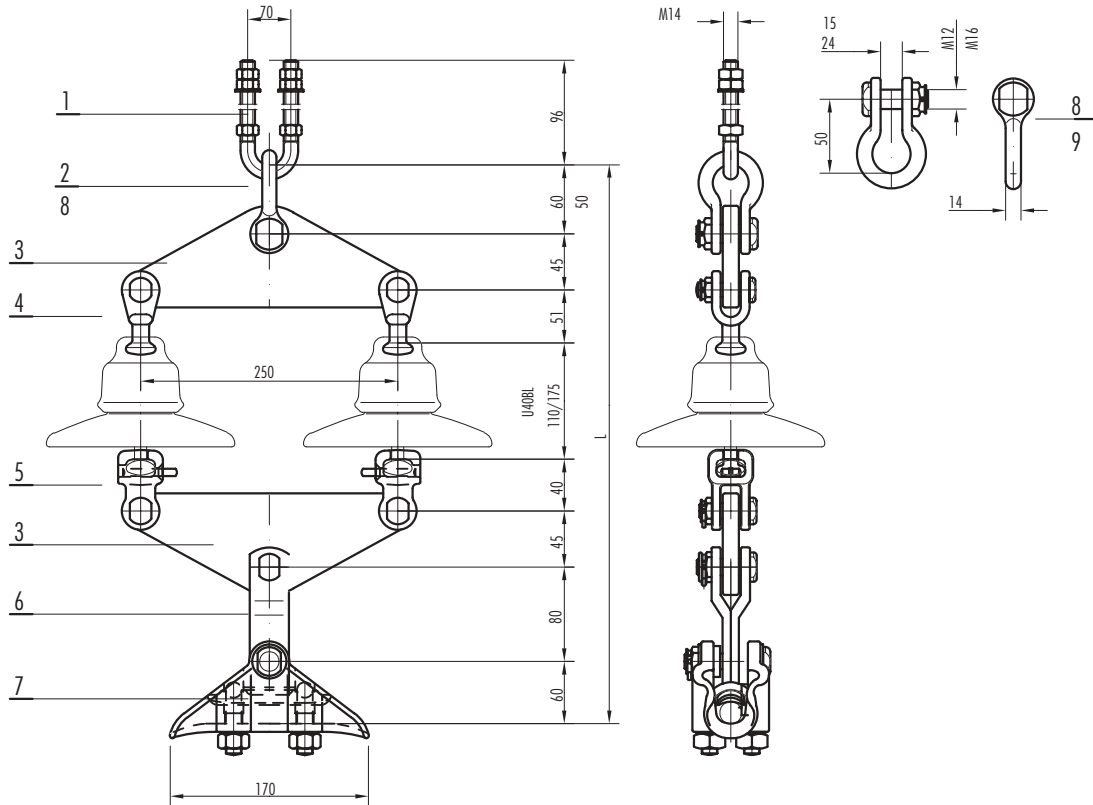
80 kN, zglobna veza 11, IEC 120

**DOUBLE SUSPENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

80 kN, standard coupling 11, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.14.70	1	0.45
2.	27.01.90A	1	0.39
3.	29.54.10A	2	1.50
4.	23.31.10	2	0.28
5.	24.20.10	2	0.55
6.	43.26.05.30	1	0.70
7.	10.15.90	1	0.87
8.	27.01.10A	1	0.35
9.	27.06.10	1	0.40

**JEDNOSTRUKI ZATEZNI LANAC
sa kapastim izolatorom**

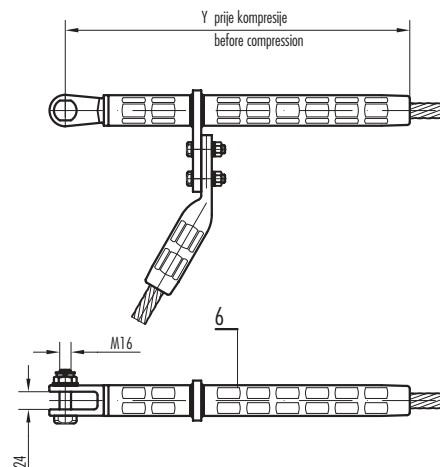
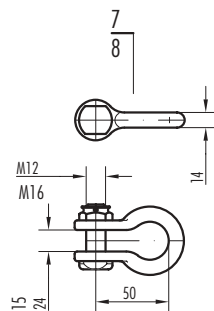
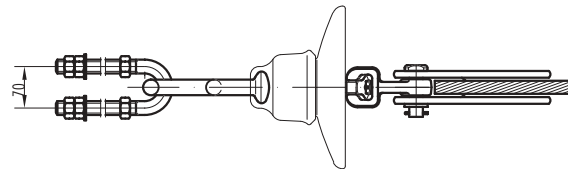
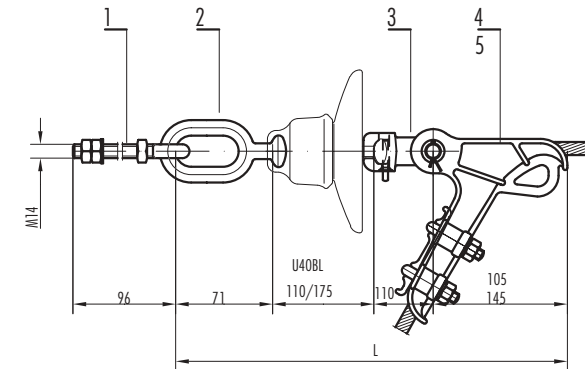
Za Al, Al - legura i Al-Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

40 kN, zglobna veza 11, IEC 120
**SINGLE TENSION STRING
with cap and pin insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

40 kN, standard coupling 11, IEC 120

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.14.70	1	0.45
2.	21.04.10	1	0.18
3.	24.31.10	1	0.70
4.	16.12.10	1	0.75
5.	16.15.10	1	1.60
6.	50.00.000	1	
7.	27.01.10A	1	0.35
8.	27.06.10	1	0.40

INSULATOR STRINGS FOR 10 kV

**DVOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima**

Za Al, Al - legura i Al-Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

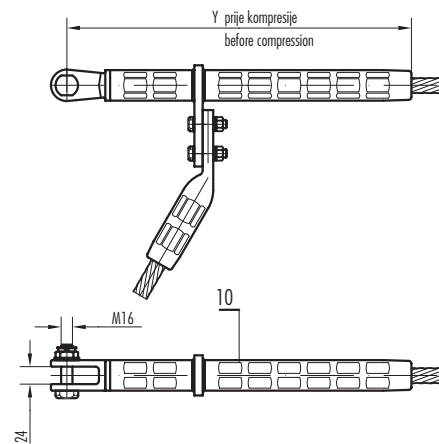
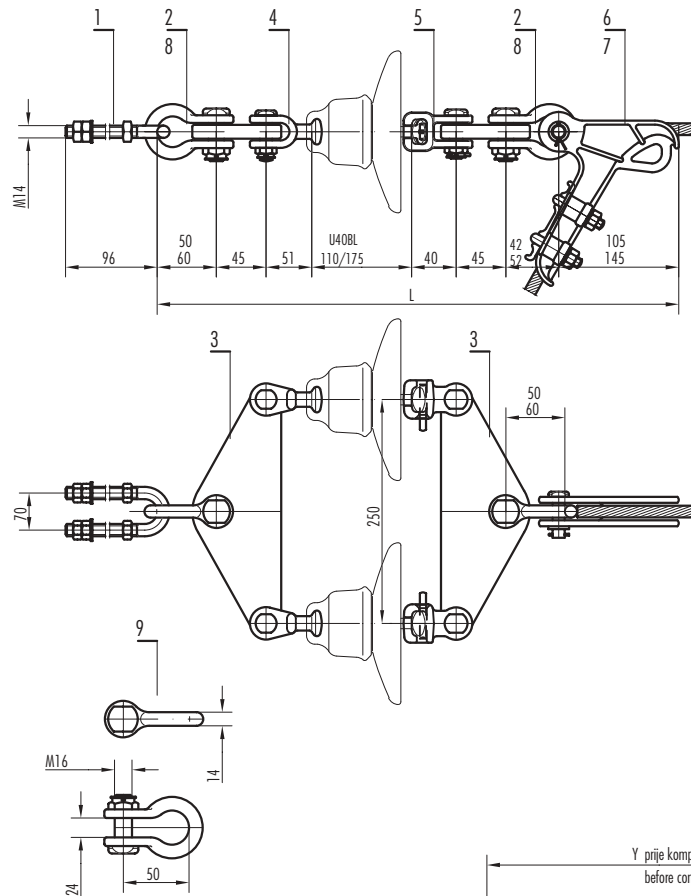
80 kN, zglobna veza 11, IEC 120

**DOUBLE TENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

80 kN, standard coupling 11, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.14.70	1	0.45
2.	27.01.10A	2	0.35
3.	29.54.10A	2	1.50
4.	23.31.10	2	0.28
5.	24.20.10	2	0.55
6.	16.12.10	1	0.75
7.	16.15.10	1	1.60
8.	27.01.90A	2	0.39
9.	27.06.10	1	0.40
10.	50.00.000	1	.

**JEDNOSTRUKI NOSNI LANAC
sa kapastim izolatorom**

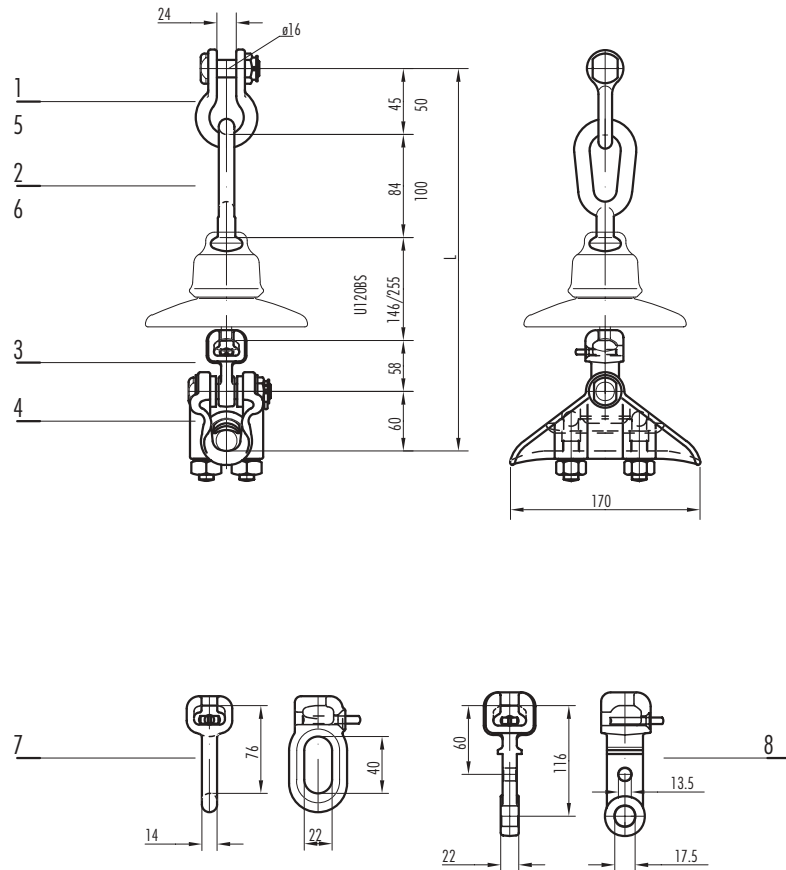
Za Al, Al - legura i Al-Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

80 kN, zglobna veza 16, IEC 120
**SINGLE SUSPENSION STRING
with cap and pin insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

80 kN, standard coupling 16, IEC 120

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	27.04.10	1	0.39
2.	21.24.10	1	0.36
3.	24.03.10	1	0.50
4.	10.15.90	1	0.87
5.	27.06.10	1	0.40
6.	21.25.10	1	0.45
7.	24.71.10	1	0.75
8.	24.42.20	1	1.05

INSULATOR STRINGS FOR 10 kV

**DVOSTRUKI NOSNI LANAC
sa kapastim izolatorima**

Za Al, Al - legura i Al-Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

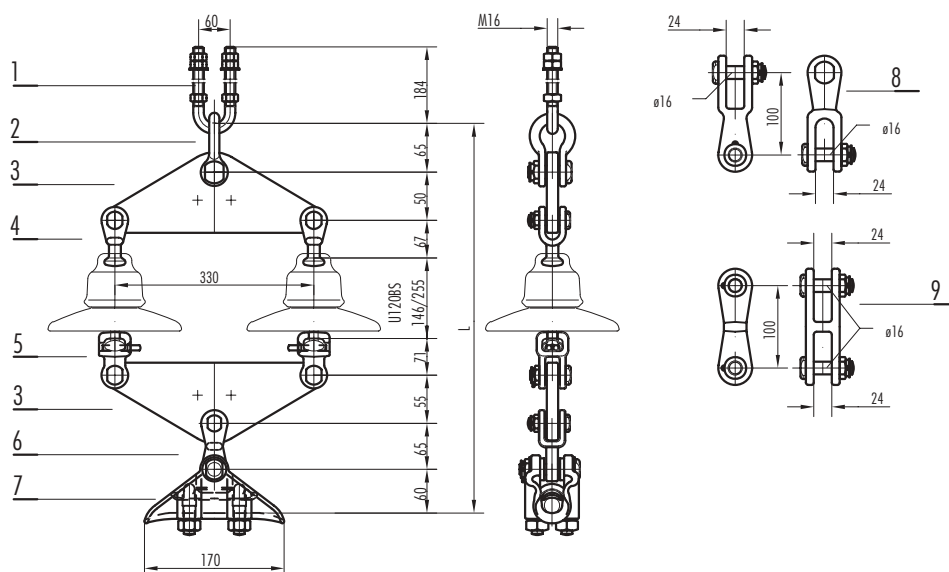
120 kN, zglobna veza 16, IEC 120

**DOUBLE SUSPENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.16.55	1	0.95
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	2	0.65
5.	24.60.10	2	1.00
6.	22.09.10	1	0.59
7.	10.15.10	1	0.95
8.	22.99.40	1	1.50
9.	22.84.40	1	1.45

**JEDNOSTRUKI ZATEZNI LANAC
sa kapastim izolatorom**

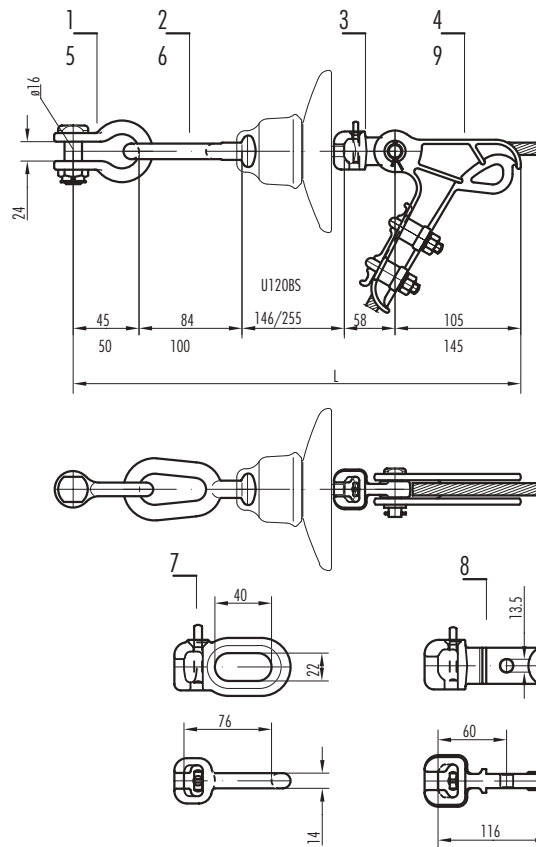
Za Al, Al - legura i Al-Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

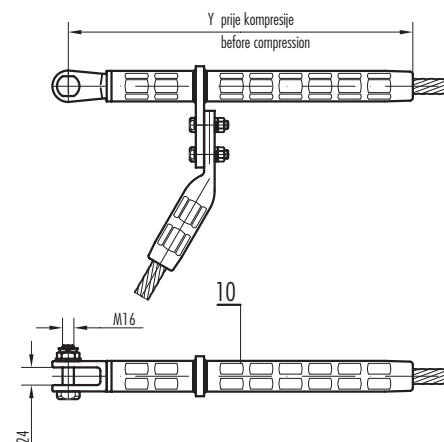
80 kN, zglobna veza 16, IEC 120
**SINGLE TENSION STRING
with cap and pin insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

80 kN, standard coupling 16, IEC 120

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	27.04.10	1	0.39
2.	21.24.10	1	0.36
3.	24.03.10	1	0.50
4.	16.12.10	1	0.75
5.	27.06.10	1	0.40
6.	21.25.10	1	0.45
7.	24.71.10	1	0.75
8.	24.42.20	1	1.05
9.	16.15.10	1	1.60
10.	50.00.000	1	.



INSULATOR STRINGS FOR 10 kV

**DVOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima**

Za Al, Al - legura i Al - Fe vodice

Minimalna prekidna sila (bez zatezne stezaljke)

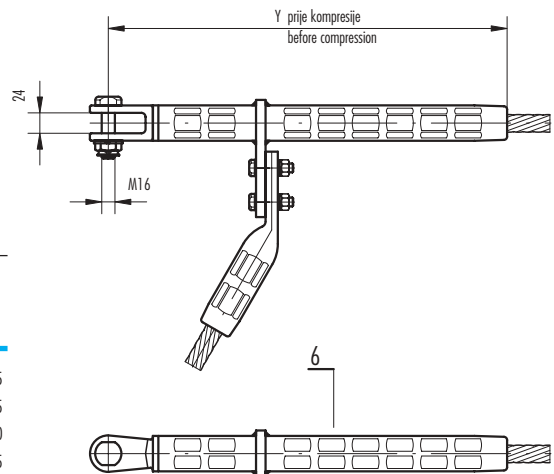
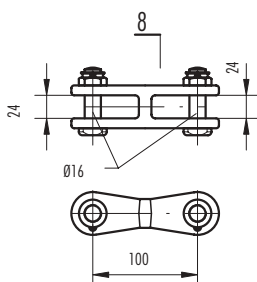
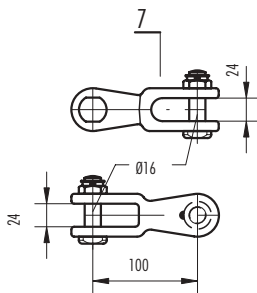
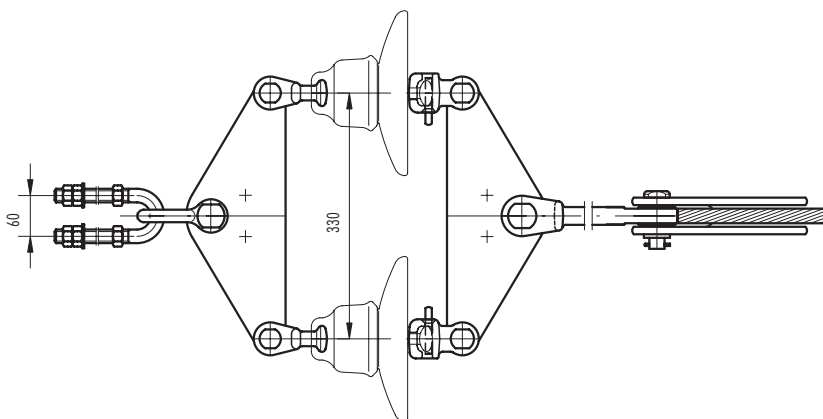
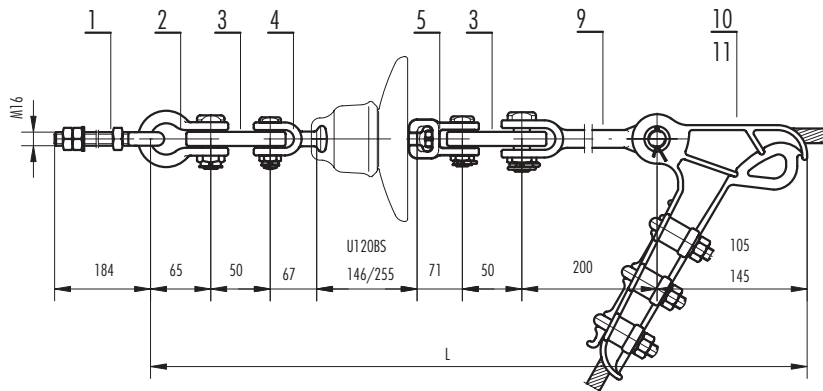
120 kN, zglobna veza 16, IEC 120

**DOUBLE TENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.16.55	1	0.95
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	2	0.65
5.	24.60.10	2	1.00
6.	50.00.000	1	.
7.	22.99.40	1	1.50
8.	22.84.40	1	1.45
9.	26.36.30	1	0.90
10.	16.12.10	1	0.75
11.	16.15.10	1	1.60

**JEDNOSTRUKI NOSNI LANAC
sa štapnim izolatorom**

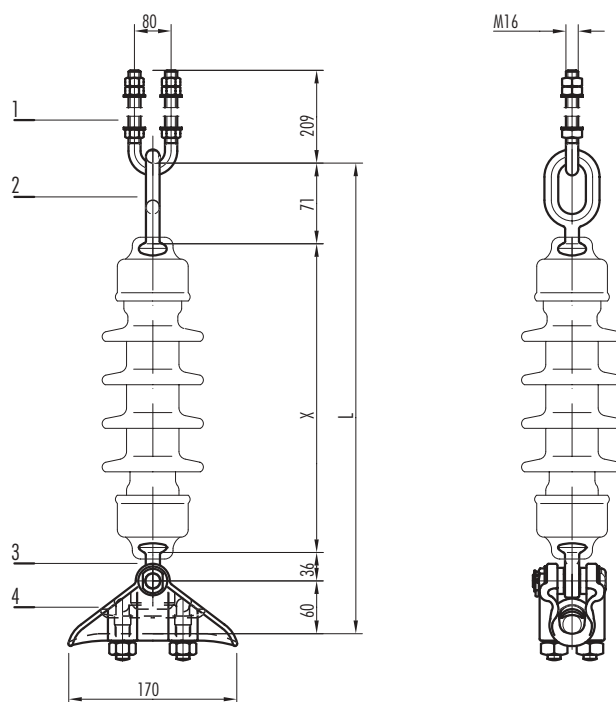
Za Al, Al - legura i Al-Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

45 kN, zglobna veza 11, IEC 120
**SINGLE SUSPENSION STRING
with rod insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

45 kN, standard coupling 11, IEC 120

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.16.75	1	1.00
2.	21.04.10	1	0.18
3.	23.08.30	1	0.10
4.	10.15.10A	1	1.00

INSULATOR STRINGS FOR 10 kV

**DVOSTRUKI NOSNI LANAC
sa štapnim izolatorima**

Za Al, Al - legura i Al-Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

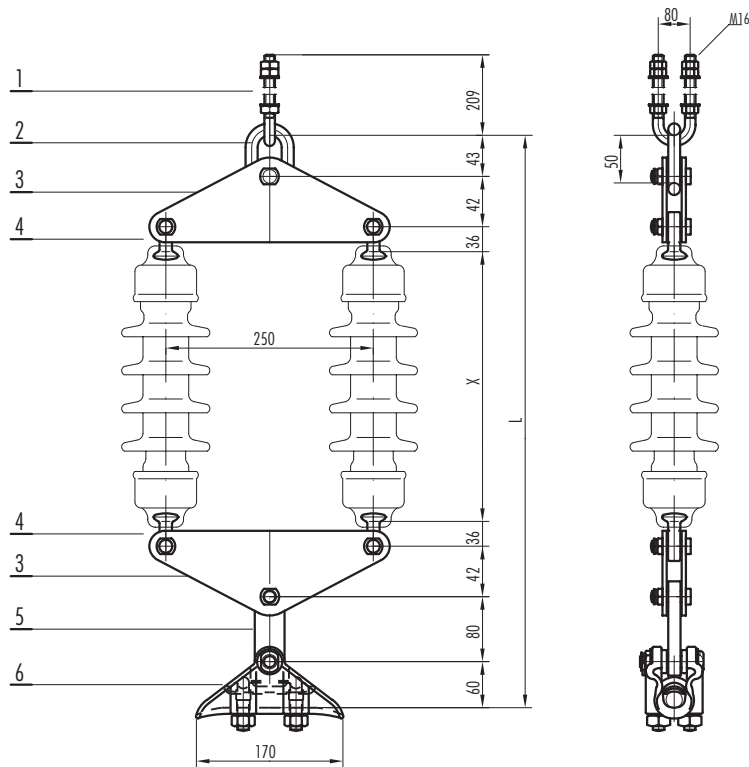
80 kN, zglobna veza 11, IEC 120

**DOUBLE SUSPENSION STRING
with rod insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspensions clamp)

80 kN, standard coupling 11, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.16.75	1	1.00
2.	21.06.10	1	0.14
3.	29.52.20	2	1.85
4.	23.08.20	4	0.10
5.	26.61.30	1	0.36
6.	10.15.10A	1	1.00

**JEDNOSTRUKI ZATEZNI LANAC
sa stapnim izolatorom**

Za Al, Al - legura i Al-Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

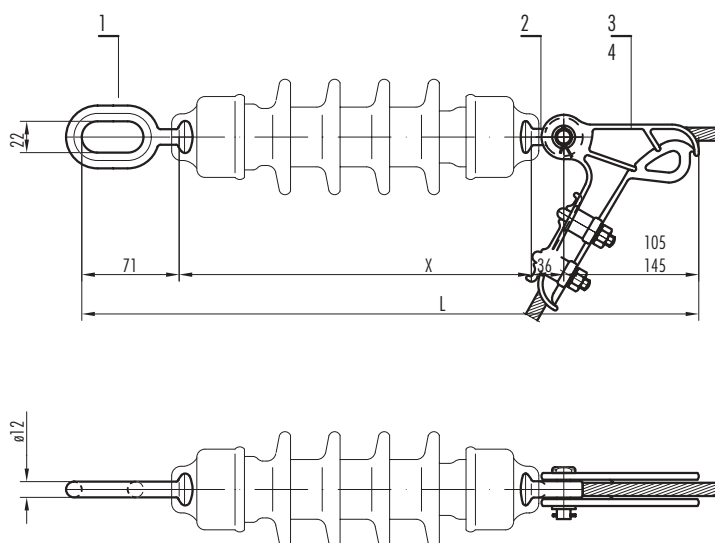
40 kN, zglobna veza 11, IEC 120

**SINGLE TENSION STRING
with rod insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

40 kN, standard coupling 11, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.04.10	1	0.18
2.	23.08.30	1	0.10
3.	16.12.10A	1	0.75
4.	16.15.10A	1	1.60

INSULATOR STRINGS FOR 10 kV

**JEDNOSTRUKI ZATEZNI LANAC
sa štapnim izolatorom**

Za Al, Al - legura i Al-Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

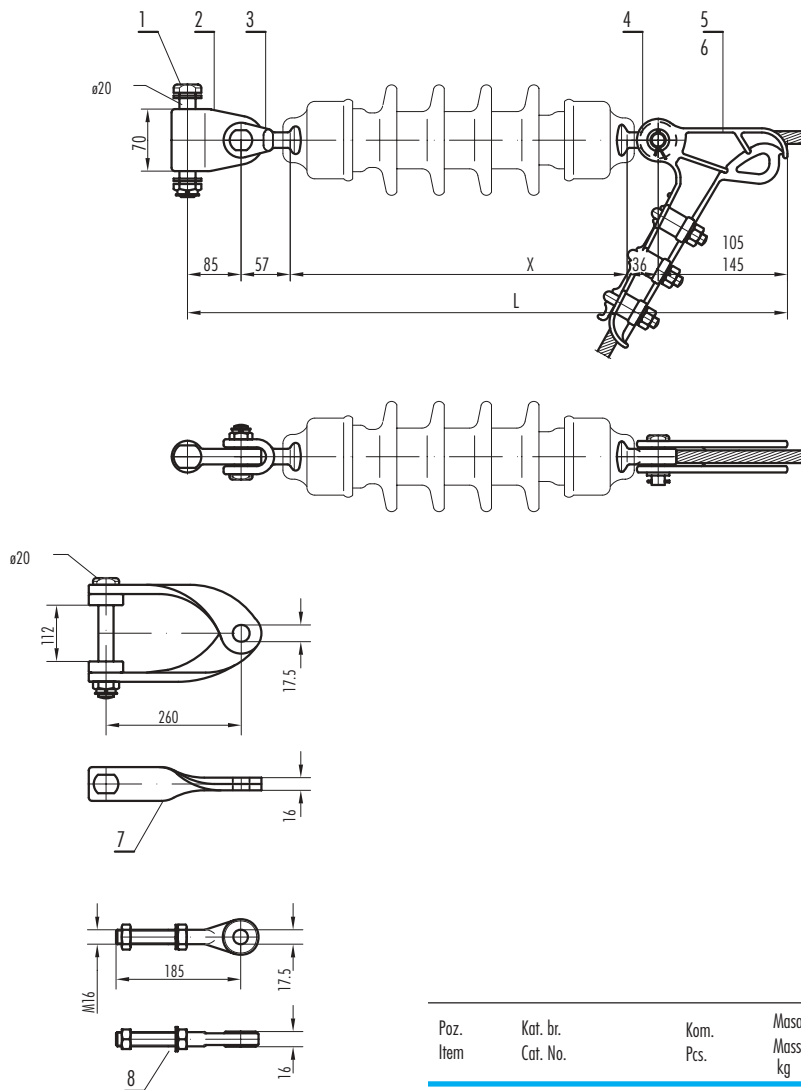
45 kN, zglobna veza 11, IEC 120

**SINGLE TENSION STRING
with rod insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

45 kN, standard coupling 11, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	33.20.120.50	1	0.55
2.	69.70.85.21	1	0.75
3.	23.31.30	1	0.35
4.	23.08.30	1	0.10
5.	16.12.10A	1	0.75
6.	16.15.10A	1	1.60
7.	43.27.59	1	2.25
8.	43.25.09.2	1	0.50

**DVOSTRUKI ZATEZNI LANAC
sa stapnim izolatorima**

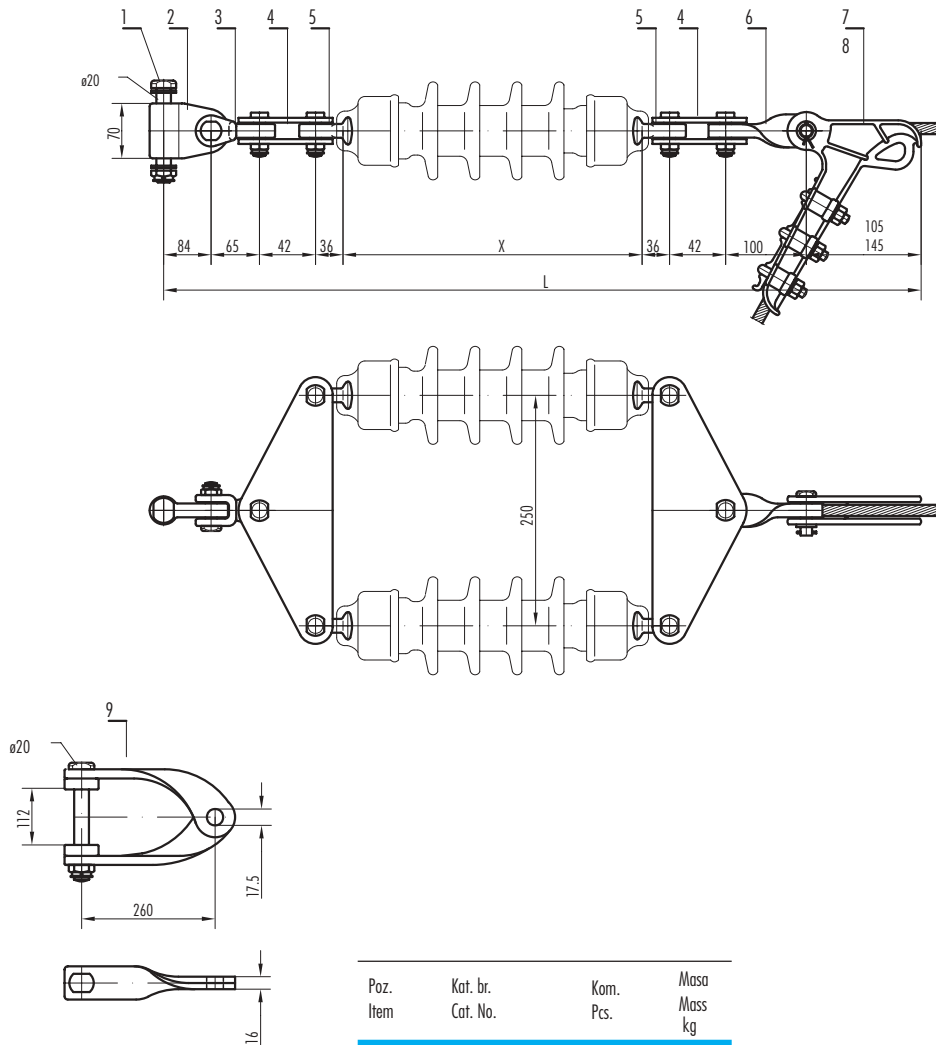
Za Al, Al - legura i Al-Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

80 kN, zglobna veza 11, IEC 120
**DOUBLE TENSION STRING
with rod insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

80 kN, standard coupling 11, IEC 120


Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	33.20.120.50	1	0.55
2.	69.70.85.21	1	0.75
3.	22.08.20	1	0.57
4.	29.52.20	2	1.85
5.	23.08.20	4	0.10
6.	26.71.30	1	0.45
7.	16.12.10A	1	0.75
8.	16.15.10A	1	1.60
9.	43.27.59	1	2.25

INSULATOR STRINGS FOR 10 kV

**JEDNOSTRUKI NOSNI LANAC
sa kompozitnim izolatorom**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

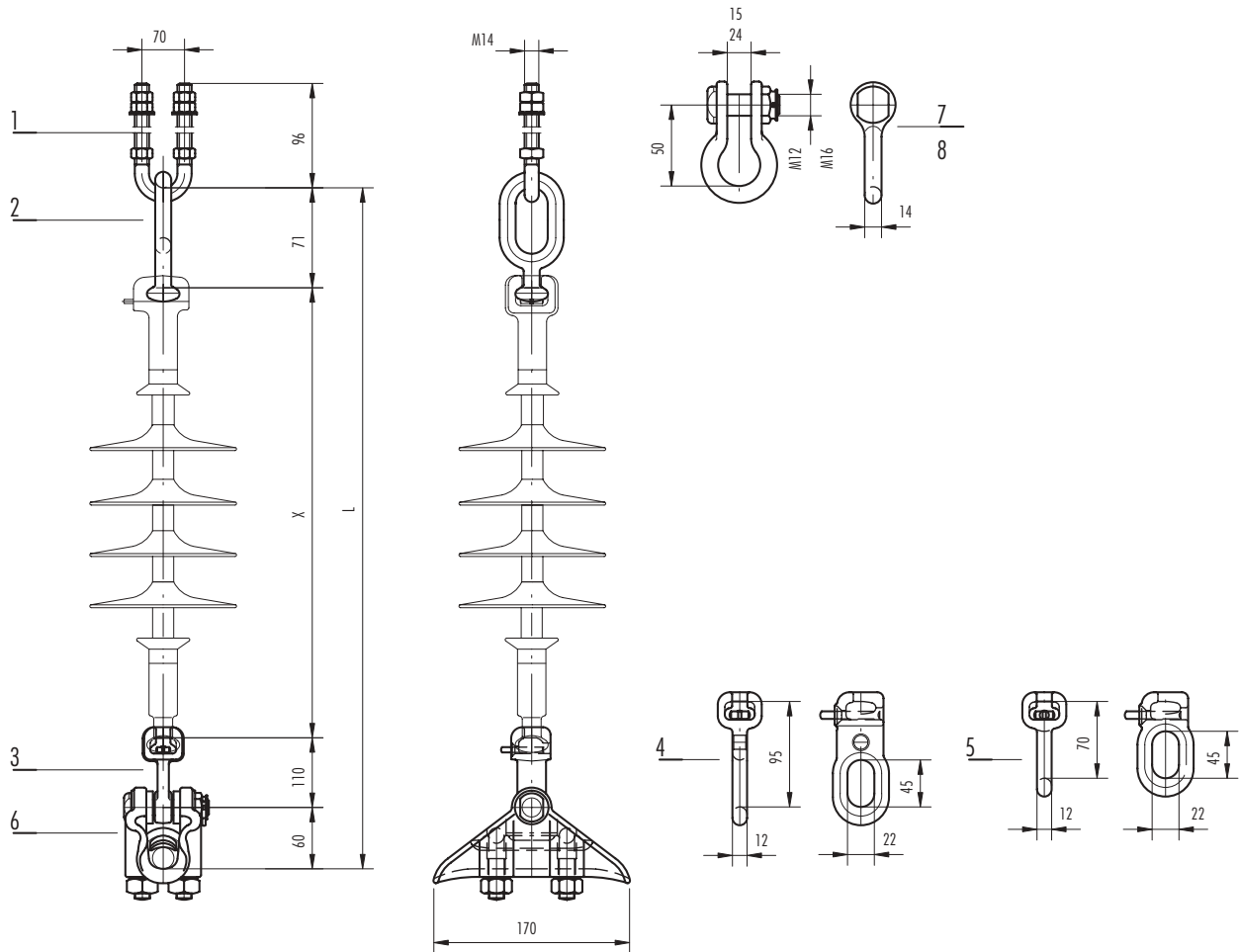
40 kN, zglobna veza 11, IEC 120

**SINGLE SUSPENSION STRING
with composite insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

40 kN, standard coupling 11, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.14.70	1	0.45
2.	21.04.10	1	0.18
3.	24.31.10	1	0.70
4.	24.78.10	1	0.38
5.	24.75.10	1	0.30
6.	10.15.90	1	0.87
7.	27.01.10A	1	0.35
8.	27.06.10	1	0.40

**DVOSTRUKI NOSNI LANAC
sa kompozitnim izolatorima**

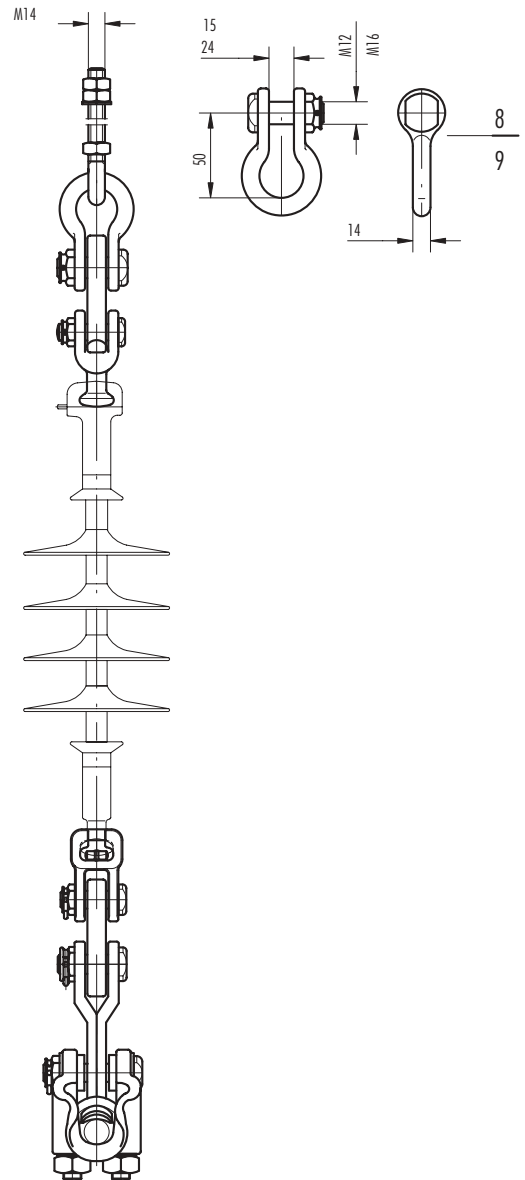
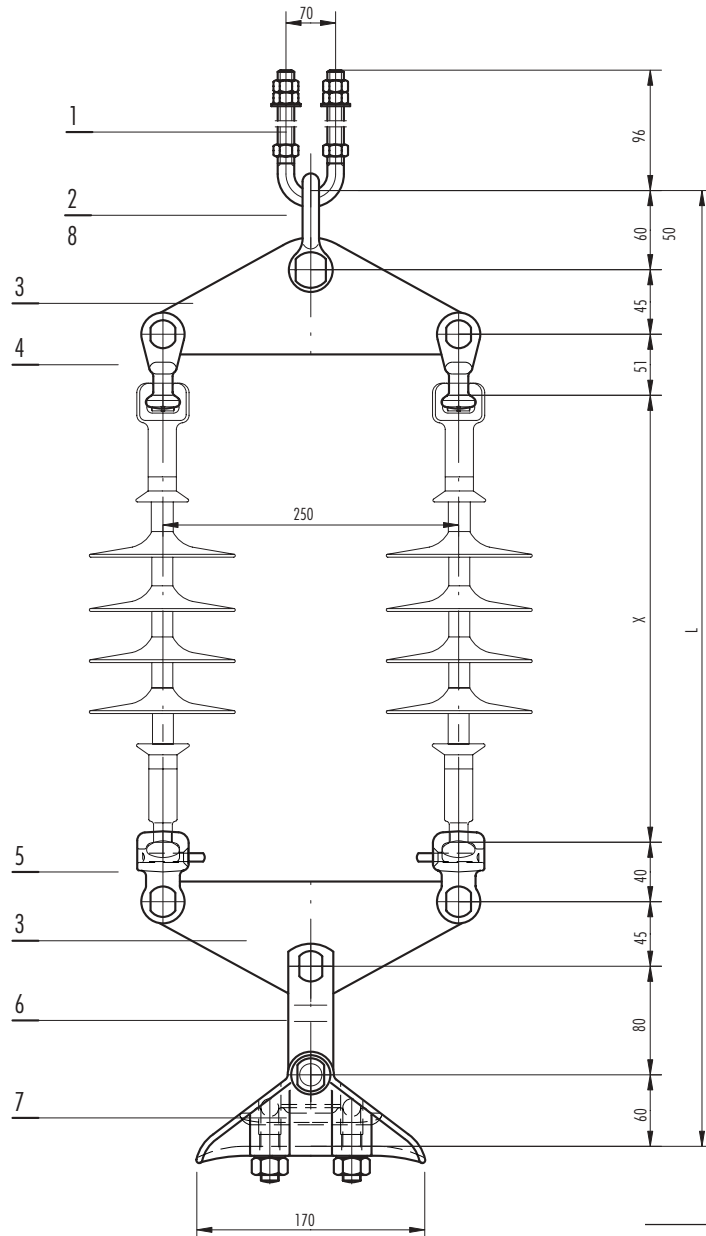
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

80 kN, zglobna veza 11, IEC 120
**DOUBLE SUSPENSION STRING
with composite insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

80 kN, standard coupling 11, IEC 120


Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.14.70	1	0.45
2.	27.01.90A	1	0.39
3.	29.54.10A	2	1.50
4.	23.31.10	2	0.28
5.	24.20.10	2	0.55
6.	43.26.05.30	1	0.70
7.	10.15.90	1	0.87
8.	27.01.10A	1	0.35
9.	27.06.10	1	0.40

INSULATOR STRINGS FOR 10 kV

JEDNOSTRUKI ZATEZNI LANAC sa kompozitnim izolatorom

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

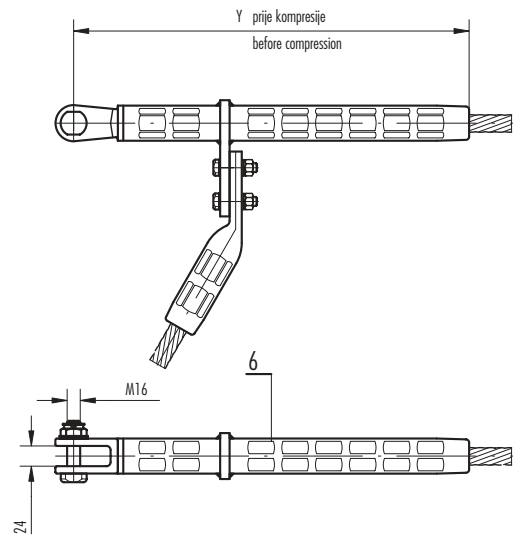
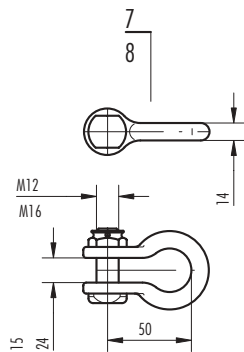
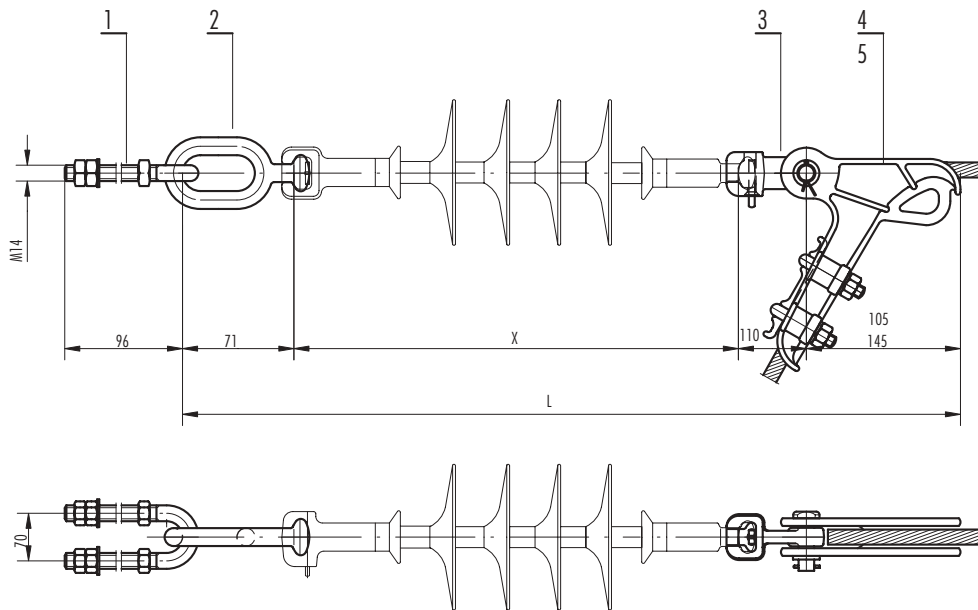
40 kN, zglobna veza 11, IEC 120

SINGLE TENSION STRING with composite insulator

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

40 kN, standard coupling 11, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.14.70	1	0.45
2.	21.04.10	1	0.18
3.	24.31.10	1	0.70
4.	16.12.10	1	0.75
5.	16.15.10	1	1.60
6.	50.00.000	1	.
7.	27.01.10A	1	0.35
8.	27.06.10	1	0.40

**DVOSTRUKI ZATEZNI LANAC
sa kompozitnim izolatorima**

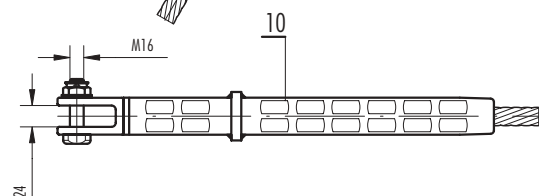
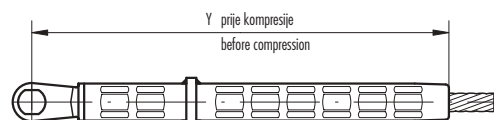
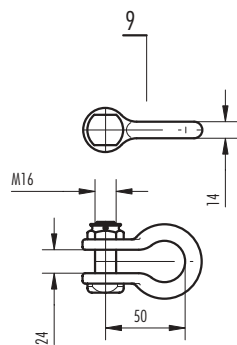
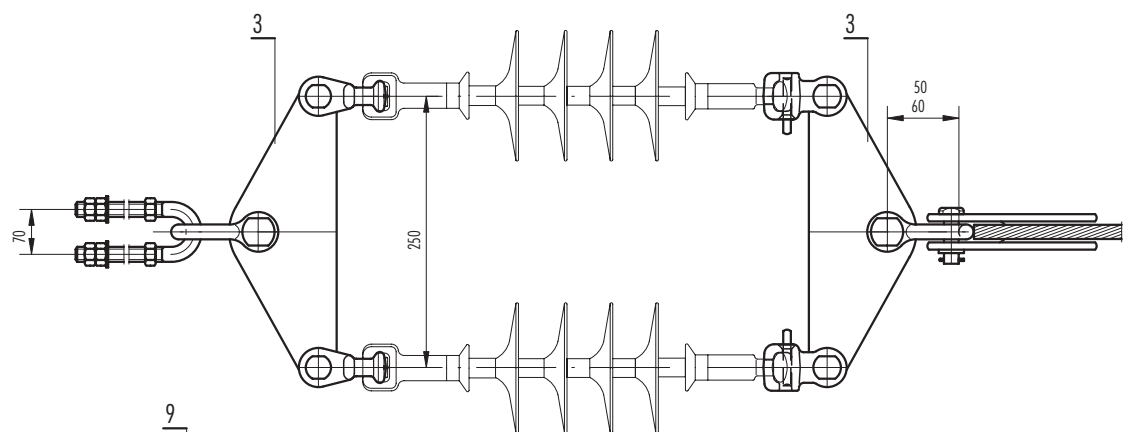
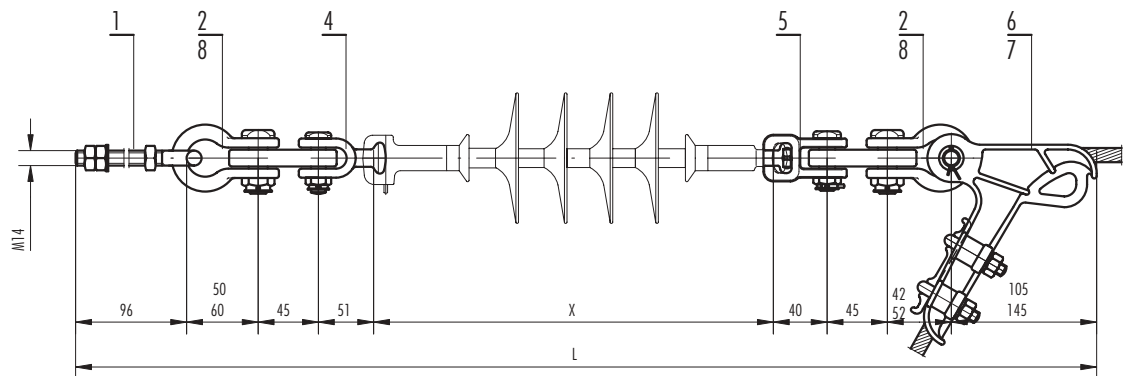
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

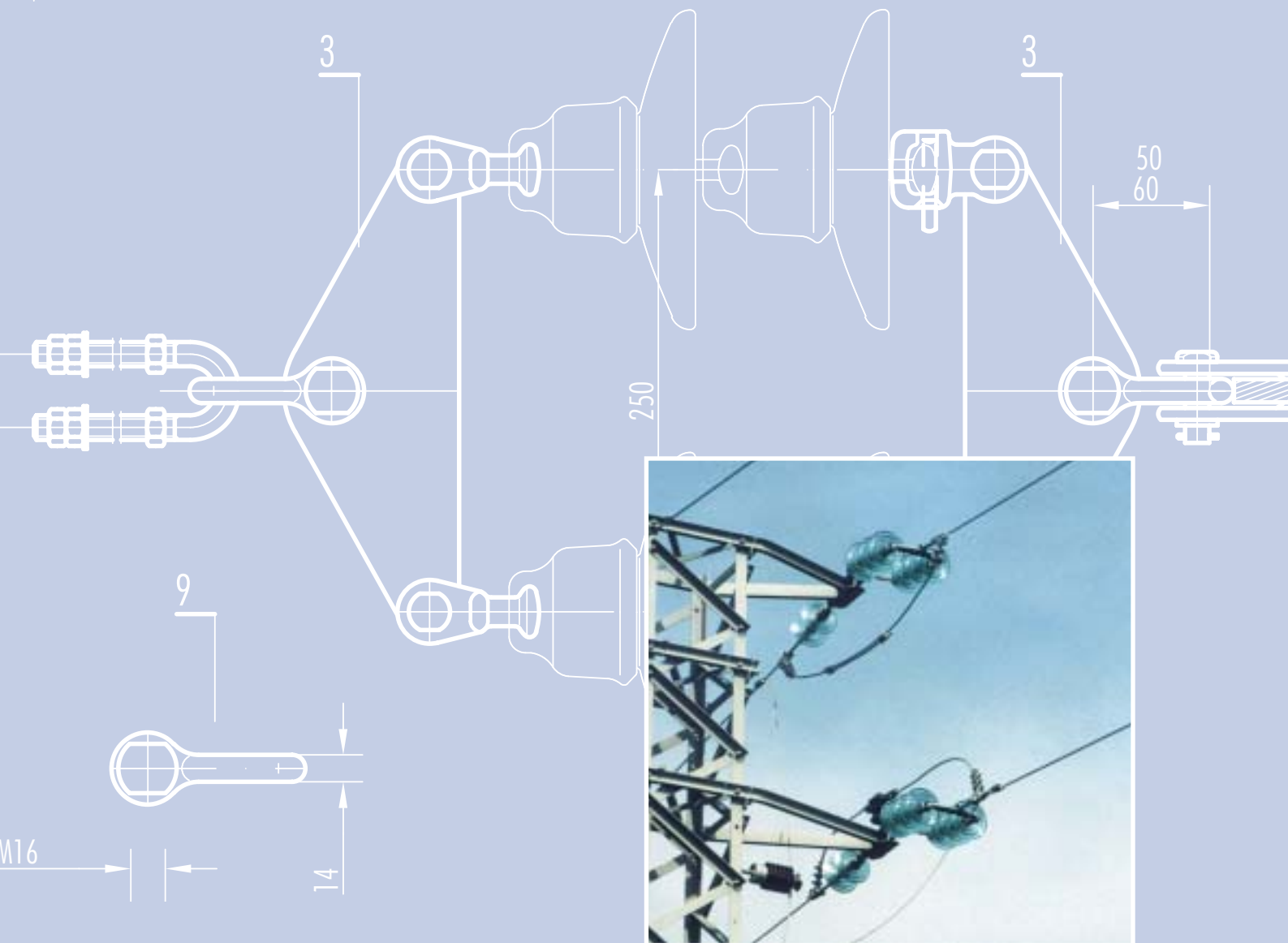
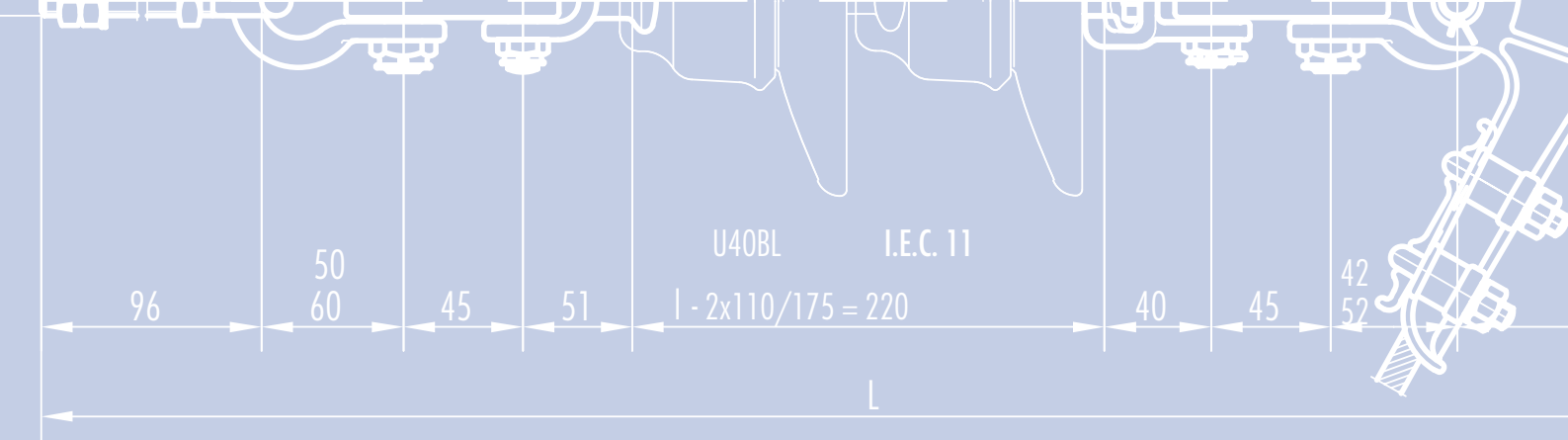
80 kN, zglobna veza 11, IEC 120
**DOUBLE TENSION STRING
with composite insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

80 kN, standard coupling 11, IEC 120


Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.14.70	1	0.45
2.	27.01.10A	2	0.35
3.	29.54.10A	2	1.50
4.	23.31.10	2	0.28
5.	24.20.10	2	0.55
6.	16.12.10	1	0.75
7.	16.15.10	1	1.60
8.	27.01.90A	2	0.39
9.	27.06.10	1	0.40
10.	50.00.000	1	.



3

IZOLATORSKI LANCI ZA 20 kV

INSULATOR STRINGS FOR 20 kV

**JEDNOSTRUKI NOSNI LANAC
sa kapastim izolatorima**

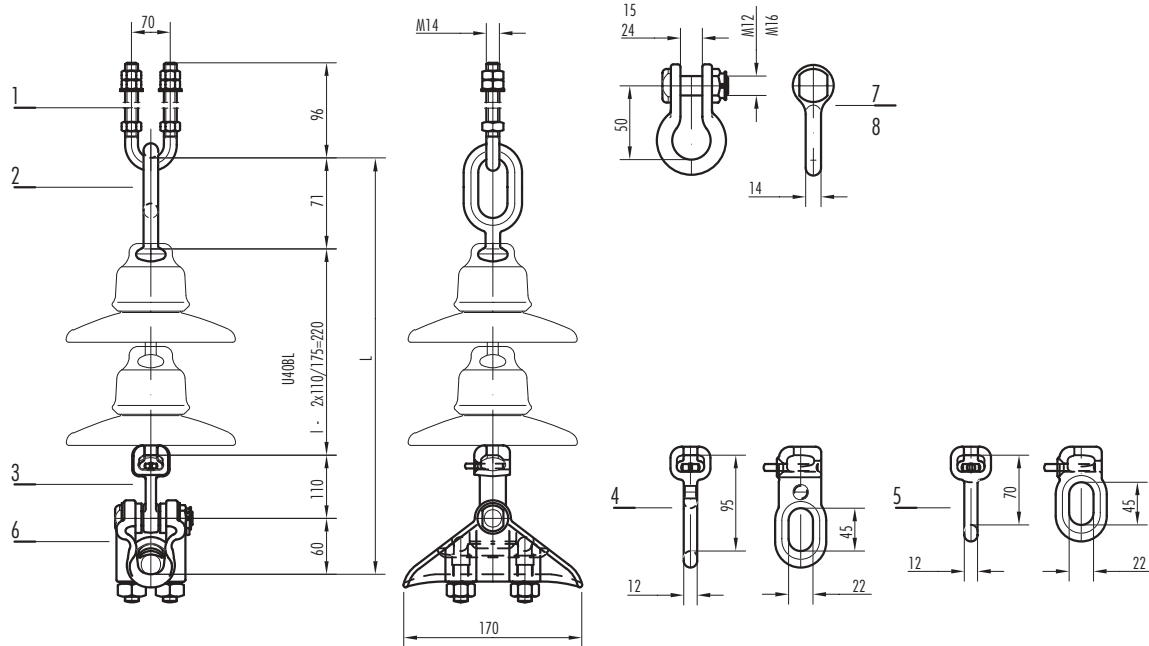
Za Al, Al - legura i Al-Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

40 kN, zglobna veza 11, IEC 120
**SINGLE SUSPENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

40 kN, standard coupling 11, IEC 120


Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.14.70	1	0.45
2.	21.04.10	1	0.18
3.	24.31.10	1	0.70
4.	24.78.10	1	0.38
5.	24.75.10	1	0.30
6.	10.15.90	1	0.87
7.	27.01.10A	1	0.35
8.	27.06.10	1	0.40

INSULATOR STRINGS FOR 20 kV

**DVOSTRUKI NOSNI LANAC
sa kapastim izolatorima**

Za Al, Al - legura i Al-Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

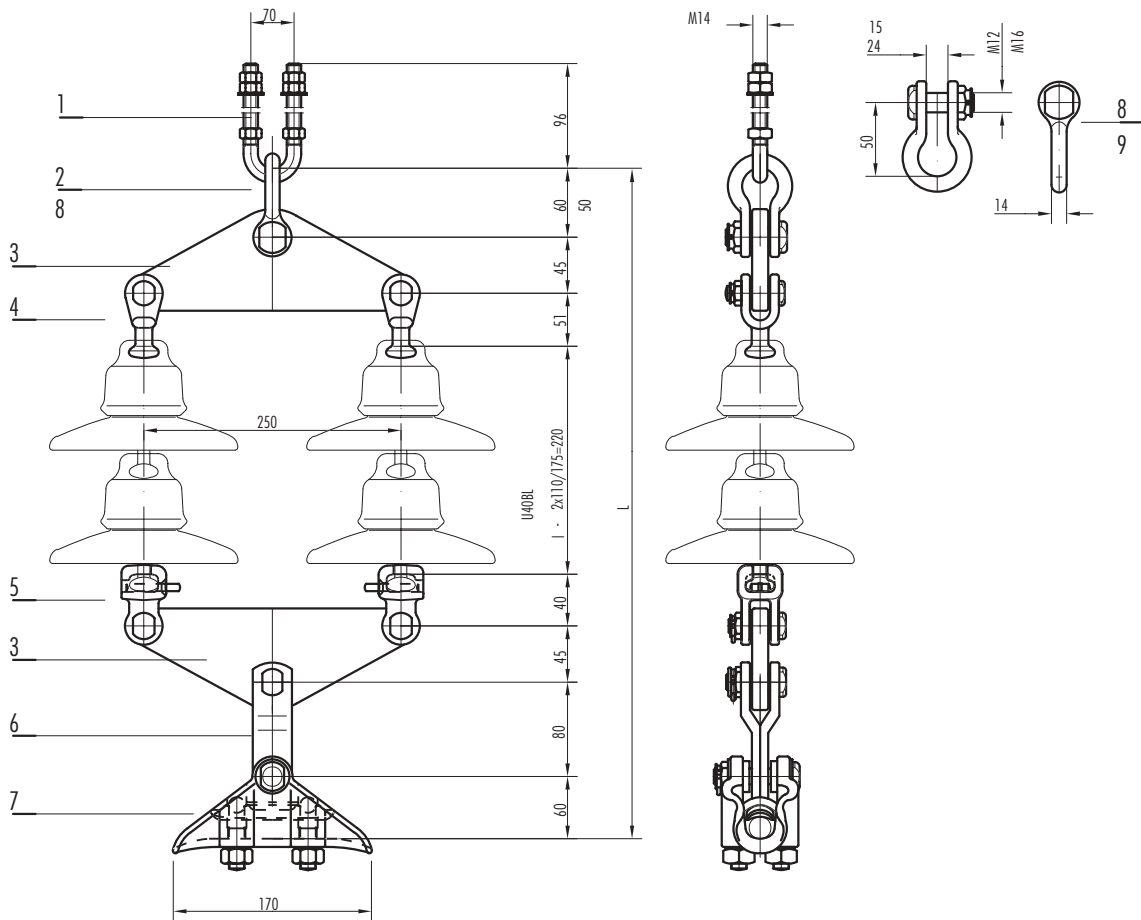
80 kN, zglobna veza 11, IEC 120

**DOUBLE SUSPENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

80 kN, standard coupling 11, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.14.70	1	0.45
2.	27.01.90A	1	0.39
3.	29.54.10A	2	1.50
4.	23.31.10	2	0.28
5.	24.20.10	2	0.55
6.	43.26.05.30	1	0.70
7.	10.15.90	1	0.87
8.	27.01.10A	1	0.35
9.	27.06.10	1	0.40

JEDNOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima

Za Al, Al - legura i Al-Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

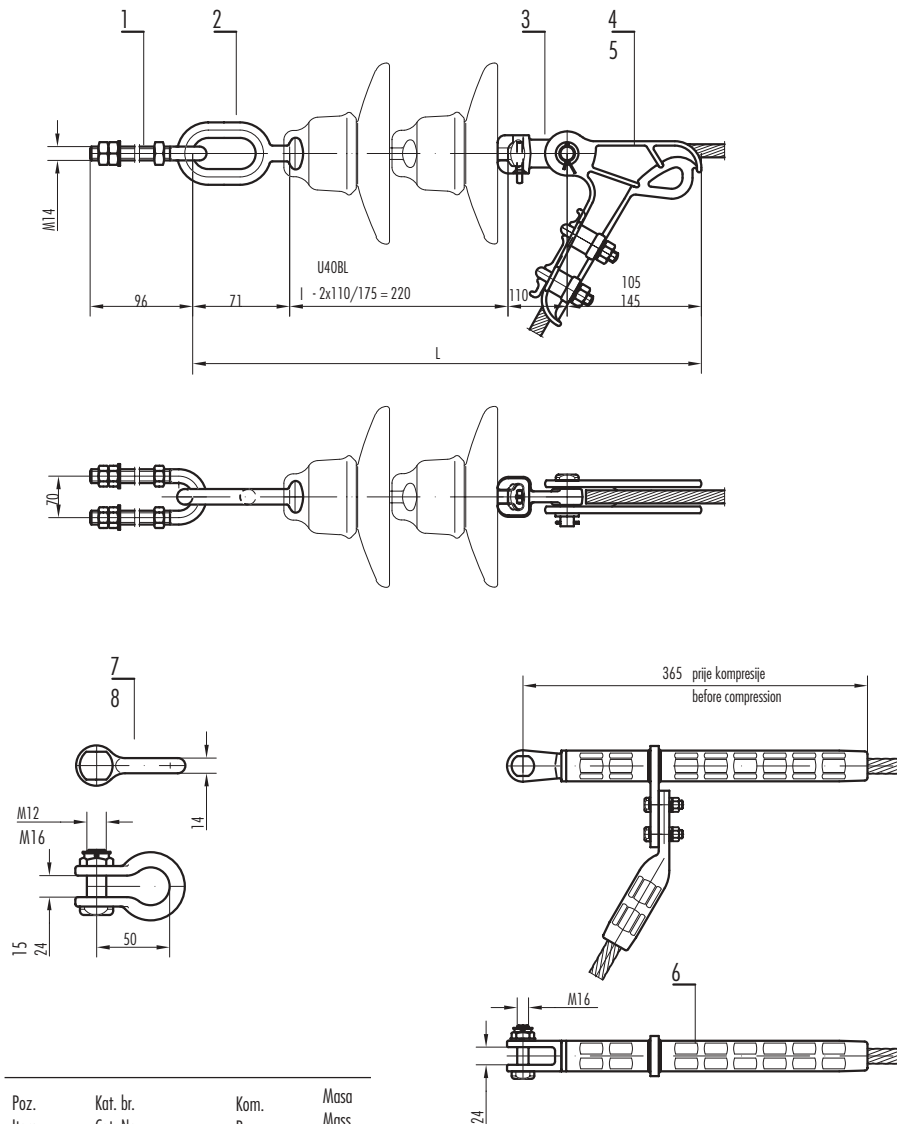
40 kN, zglobna veza 11, IEC 120

SINGLE TENSION STRING
with cap and pin insulators

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

40 kN, standard coupling 11, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.14.70	1	0.45
2.	21.04.10	1	0.18
3.	24.31.10	1	0.70
4.	16.12.10	1	0.75
5.	16.15.10	1	1.60
6.	50.00.000	1	.
7.	27.01.10A	1	0.35
8.	27.06.10	1	0.40

INSULATOR STRINGS FOR 20 kV

DVOSTRUKI ZATEZNI LANAC sa kapastim izolatorima

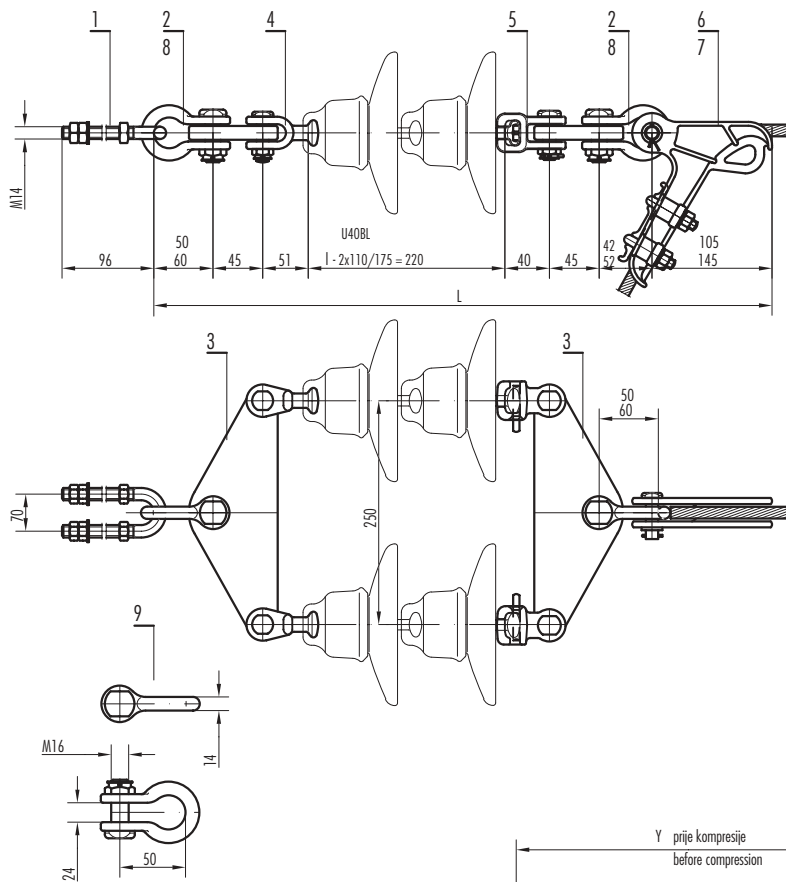
Za Al, Al - legura i Al-Fe vodiča
Minimalna prekidna sila (bez zatezne stezaljke)

80 kN, zglobna veza 11, IEC 120

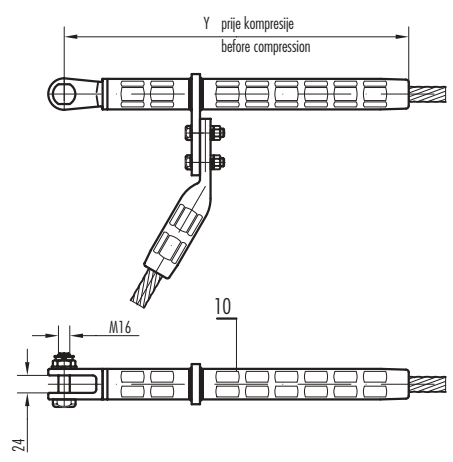
DOUBLE TENSION STRING with cap and pin insulators

For AAC, AAAC and ACSR
Minimum breaking strength (without tension clamp)

80 kN, standard coupling 11, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.14.70	1	0.45
2.	27.01.10A	2	0.35
3.	29.54.10A	2	1.50
4.	23.31.10	2	0.28
5.	24.20.10	2	0.55
6.	16.12.10	1	0.75
7.	16.15.10	1	1.60
8.	27.01.90A	2	0.39
9.	27.06.10	1	0.40
10.	50.00.000	1	.



**JEDNOSTRUKI NOSNI LANAC
sa kapastim izolatorima**

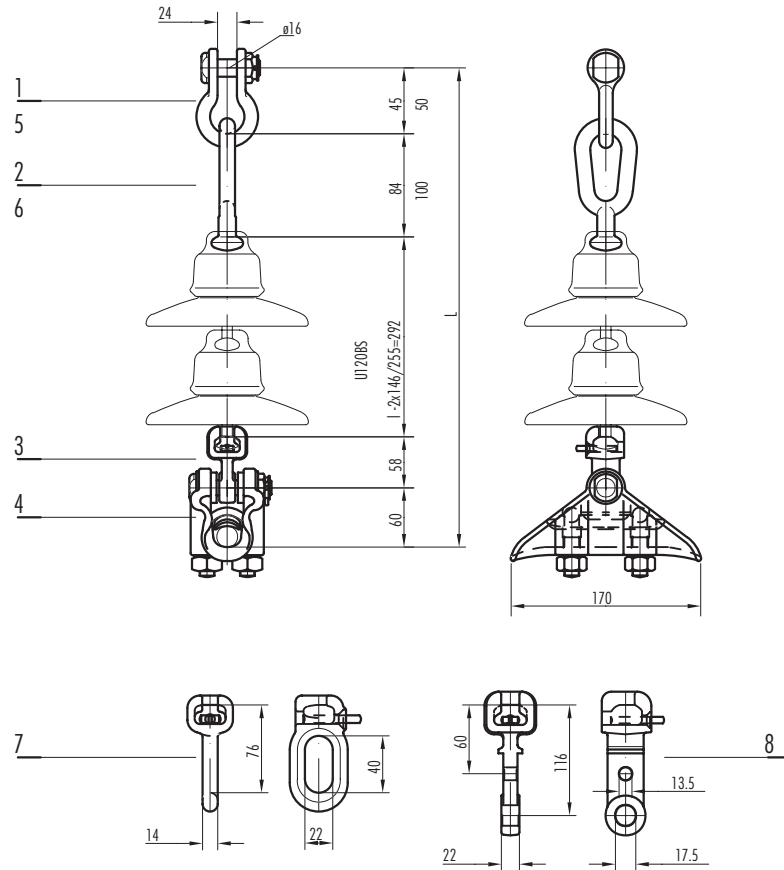
Za Al, Al - legura i Al-Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

80 kN, zglobna veza 16, IEC 120
**SINGLE SUSPENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

80 kN, standard coupling 16, IEC 120

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	27.04.10	1	0.39
2.	21.24.10	1	0.36
3.	24.03.10	1	0.50
4.	10.15.90	1	0.87
5.	27.06.10	1	0.40
6.	21.25.10	1	0.45
7.	24.71.10	1	0.75
8.	24.42.20	1	1.05

INSULATOR STRINGS FOR 20 kV

**DVOSTRUKI NOSNI LANAC
sa kapastim izolatorima**

Za Al, Al - legura i Al-Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

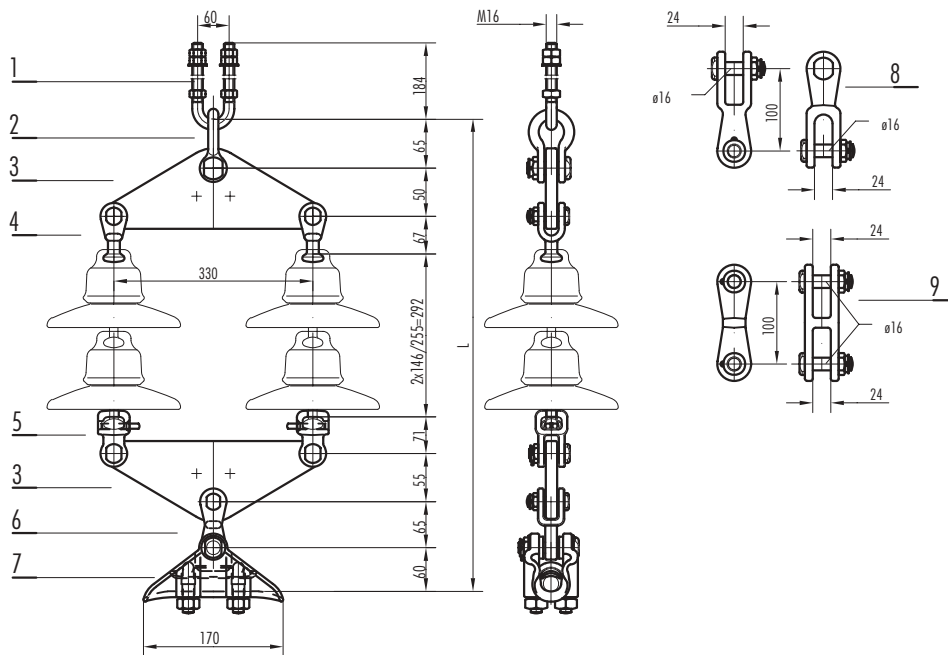
120 kN, zglobna veza 16, IEC 120

**DOUBLE SUSPENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.16.55	1	0.95
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	2	0.65
5.	24.60.10	2	1.00
6.	22.09.10	1	0.59
7.	10.15.10	1	0.95
8.	22.99.40	1	1.50
9.	22.84.40	1	1.45

JEDNOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima

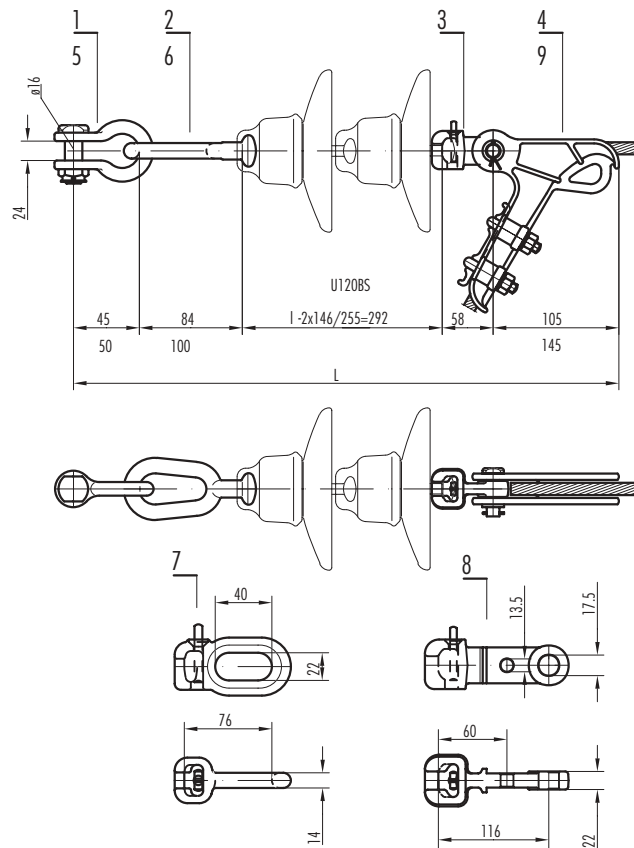
Za Al, Al - legura i Al-Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

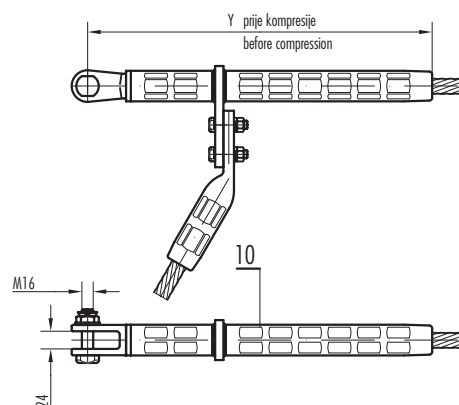
80 kN, zglobna veza 16, IEC 120
SINGLE TENSION STRING
with cap and pin insulators

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

80 kN, standard coupling 16, IEC 120

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	27.04.10	1	0.39
2.	21.24.10	1	0.36
3.	24.03.10	1	0.50
4.	16.12.10	1	0.75
5.	27.06.10	1	0.40
6.	21.25.10	1	0.45
7.	24.71.10	1	0.75
8.	24.42.20	1	1.05
9.	16.15.10	1	1.60
10.	50.00.000	1	.



INSULATOR STRINGS FOR 20 kV

**DVOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima**

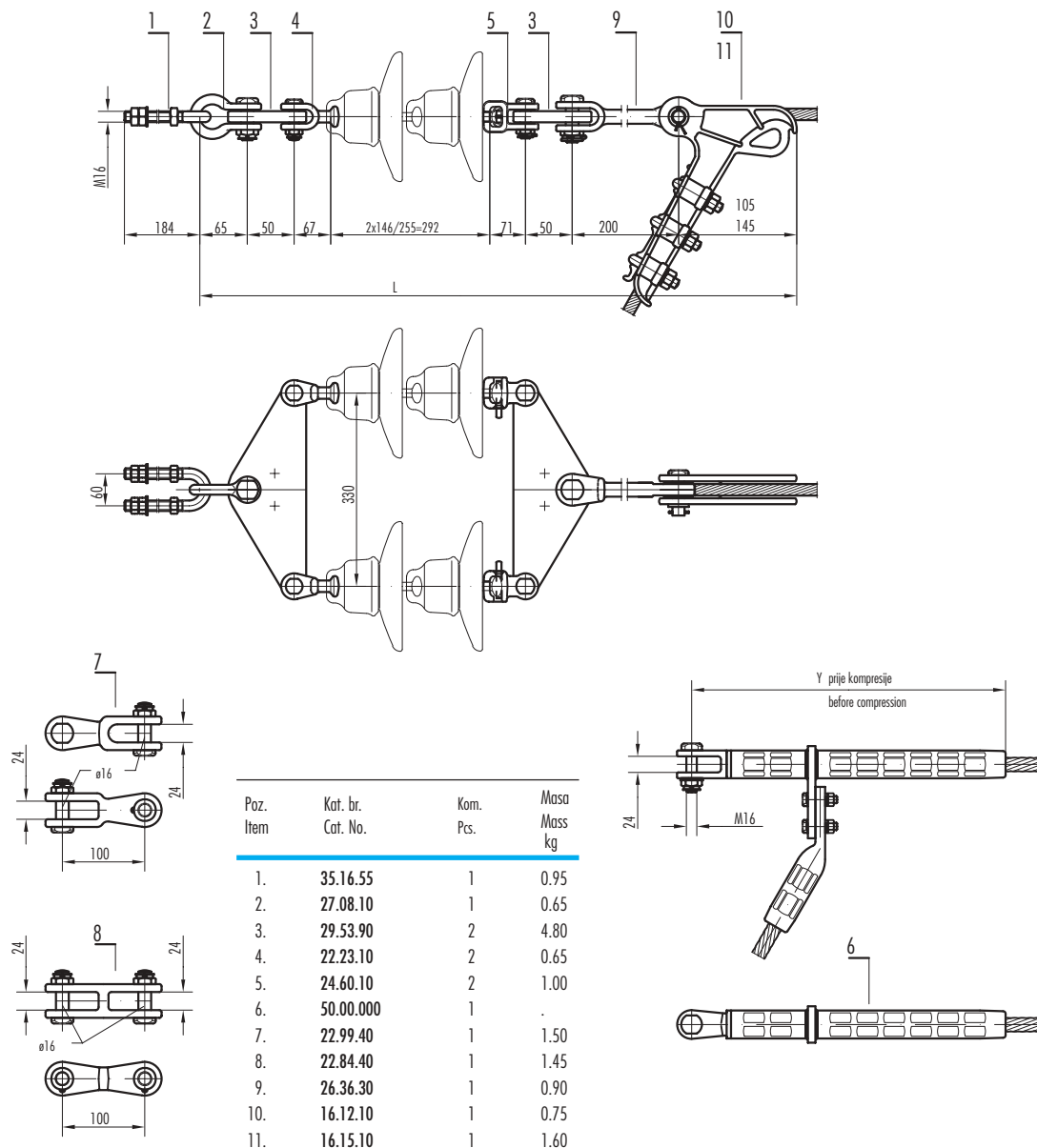
Za Al, Al - legura i Al-Fe vodiče
Minimalna prekidna sila (bez zatezne stezaljke)

120 kN, zglobna veza 16, IEC 120

**DOUBLE TENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR
Minimum breaking strength (without tension clamp)

120 kN, standard coupling 16, IEC 120

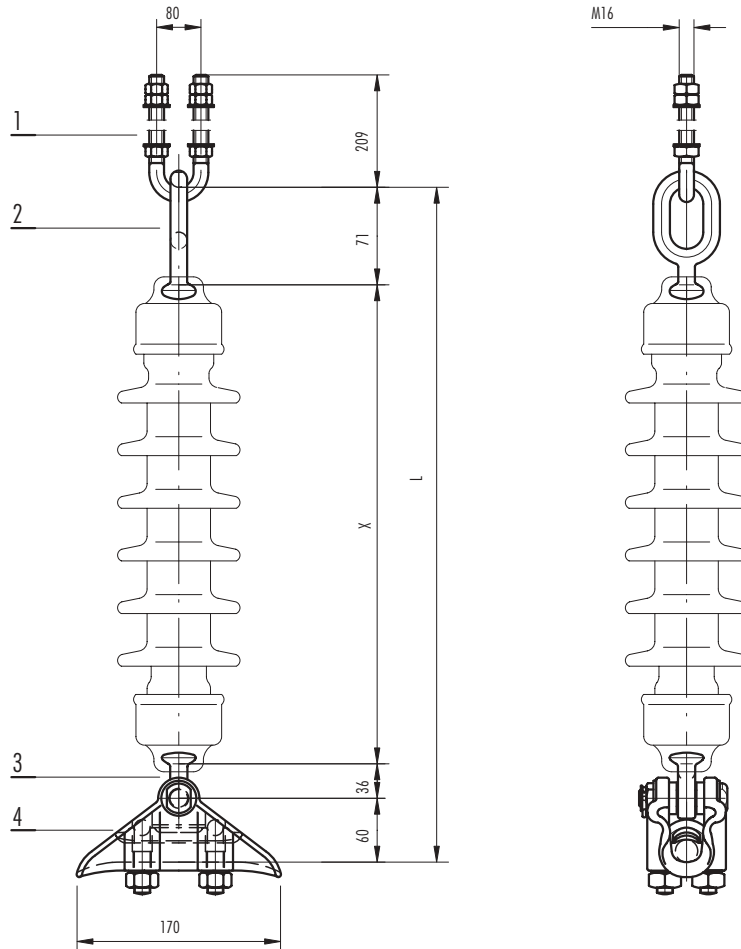


**JEDNOSTRUKI NOSNI LANAC
sa štapnim izolatorom**

Za Al, Al - legura i Al - Fe vodiče
Minimalna prekidna sila (bez nosne stezaljke)

45 kN, zglobna veza 11, IEC 120
**SINGLE SUSPENSION STRING
with rod insulator**

For AAC, AAAC and ACSR
Minimum breaking strength (without suspension clamp)

45 kN, standard coupling 11, IEC 120


Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.16.75	1	1.00
2.	21.04.10	1	0.18
3.	23.08.30	1	0.10
4.	10.15.10A	1	1.00

INSULATOR STRINGS FOR 20 kV

**DVOSTRUKI NOSNI LANAC
sa štapnim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

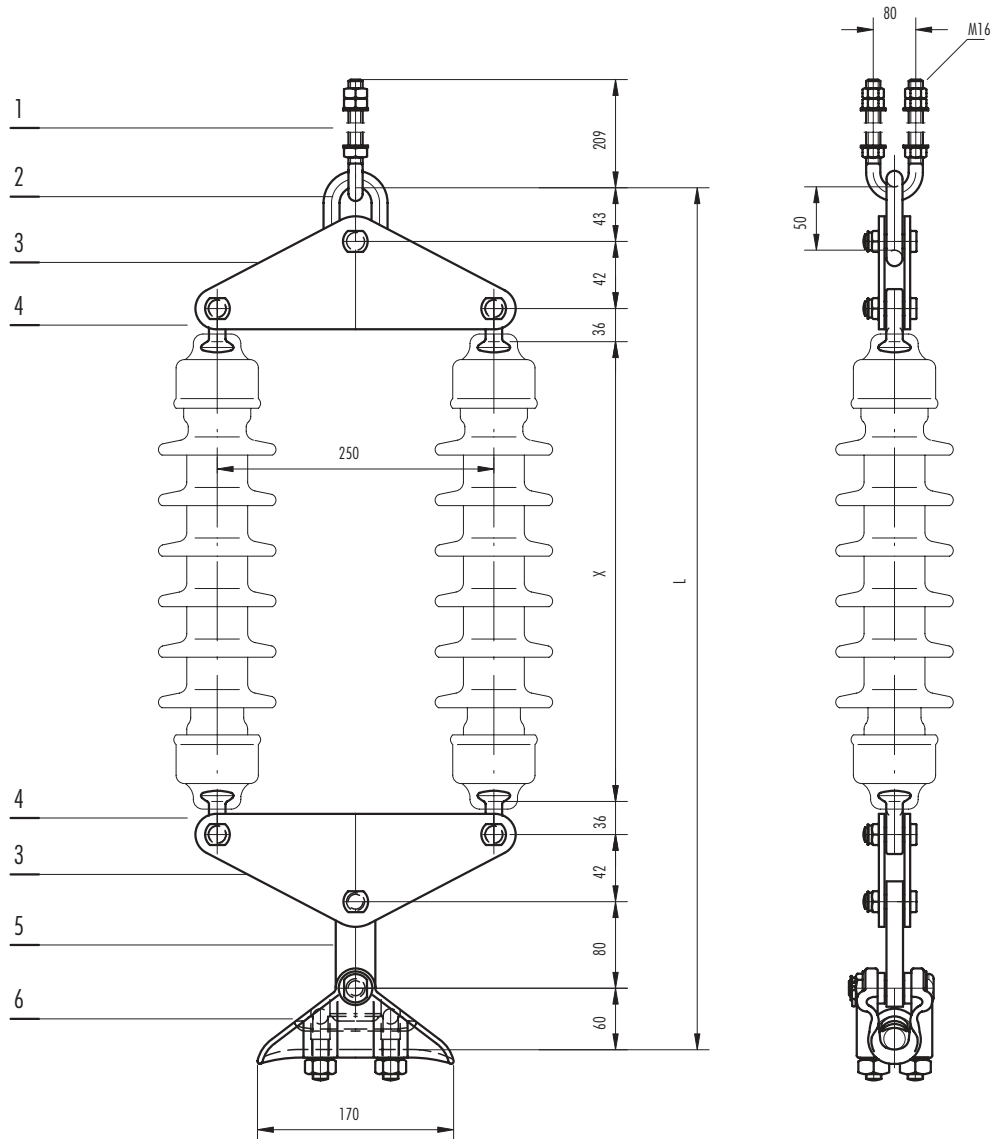
80kN, zglobna veza 11, IEC 120

**DOUBLE SUSPENSION STRING
with rod insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

80 kN, standard coupling 11, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.16.75	1	1.00
2.	21.06.10	1	0.14
3.	29.52.20	2	1.85
4.	23.08.20	4	0.10
5.	26.61.30	1	0.36
6.	10.15.10A	1	1.00

**JEDNOSTRUKI ZATEZNI LANAC
sa štapnim izolatorom**

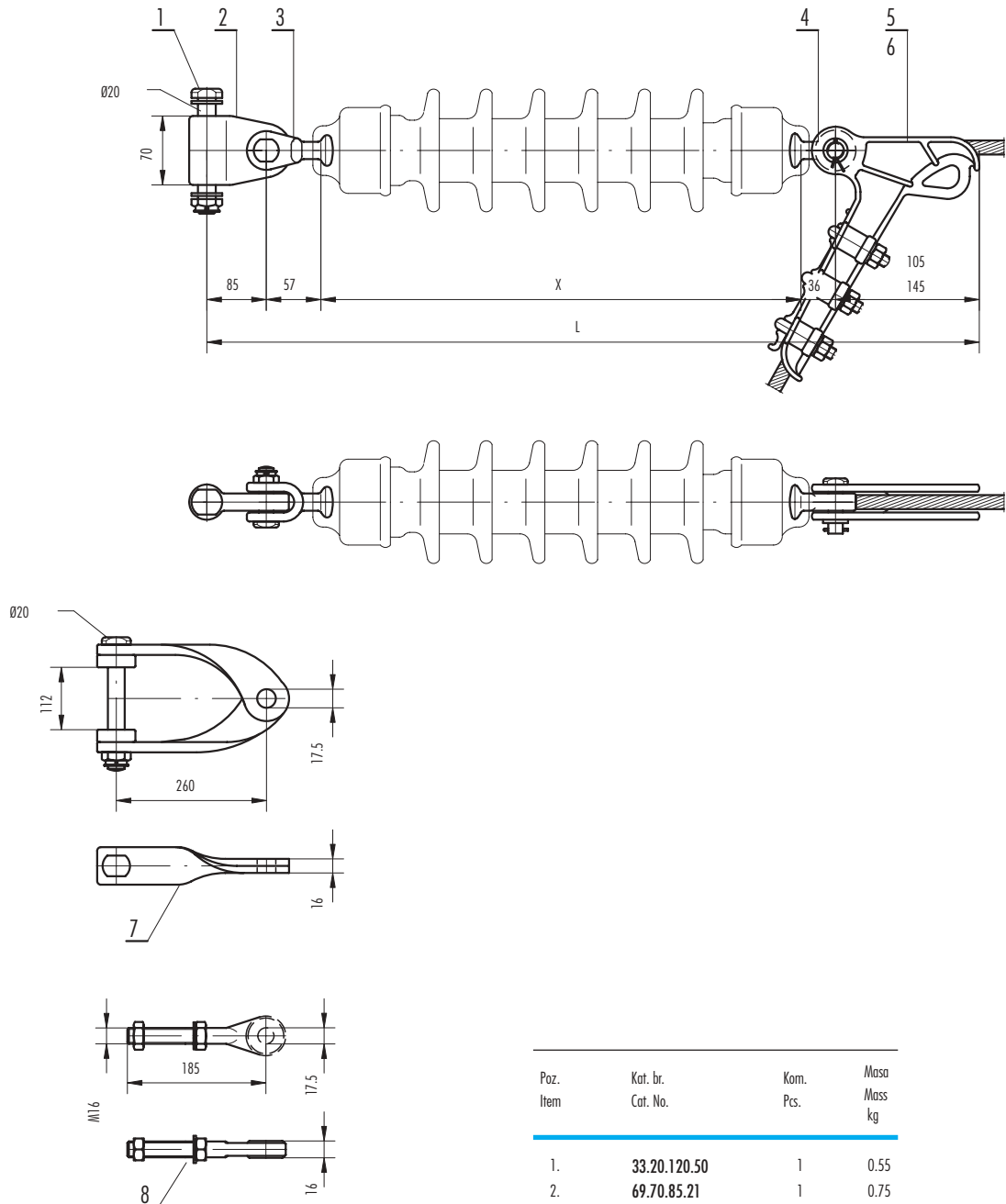
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

45 kN, zglobna veza 11, IEC 120
**SINGLE TENSION STRING
with rod insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

45 kN, standard coupling 11, IEC 120

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	33.20.120.50	1	0.55
2.	69.70.85.21	1	0.75
3.	23.31.30	1	0.35
4.	23.08.30	1	0.10
5.	16.12.10A	1	0.75
6.	16.15.10A	1	1.60
7.	43.27.59	1	2.25
8.	43.25.09.2	1	0.50

INSULATOR STRINGS FOR 20 kV

**DVOSTRUKI ZATEZNI LANAC
sa štapnim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

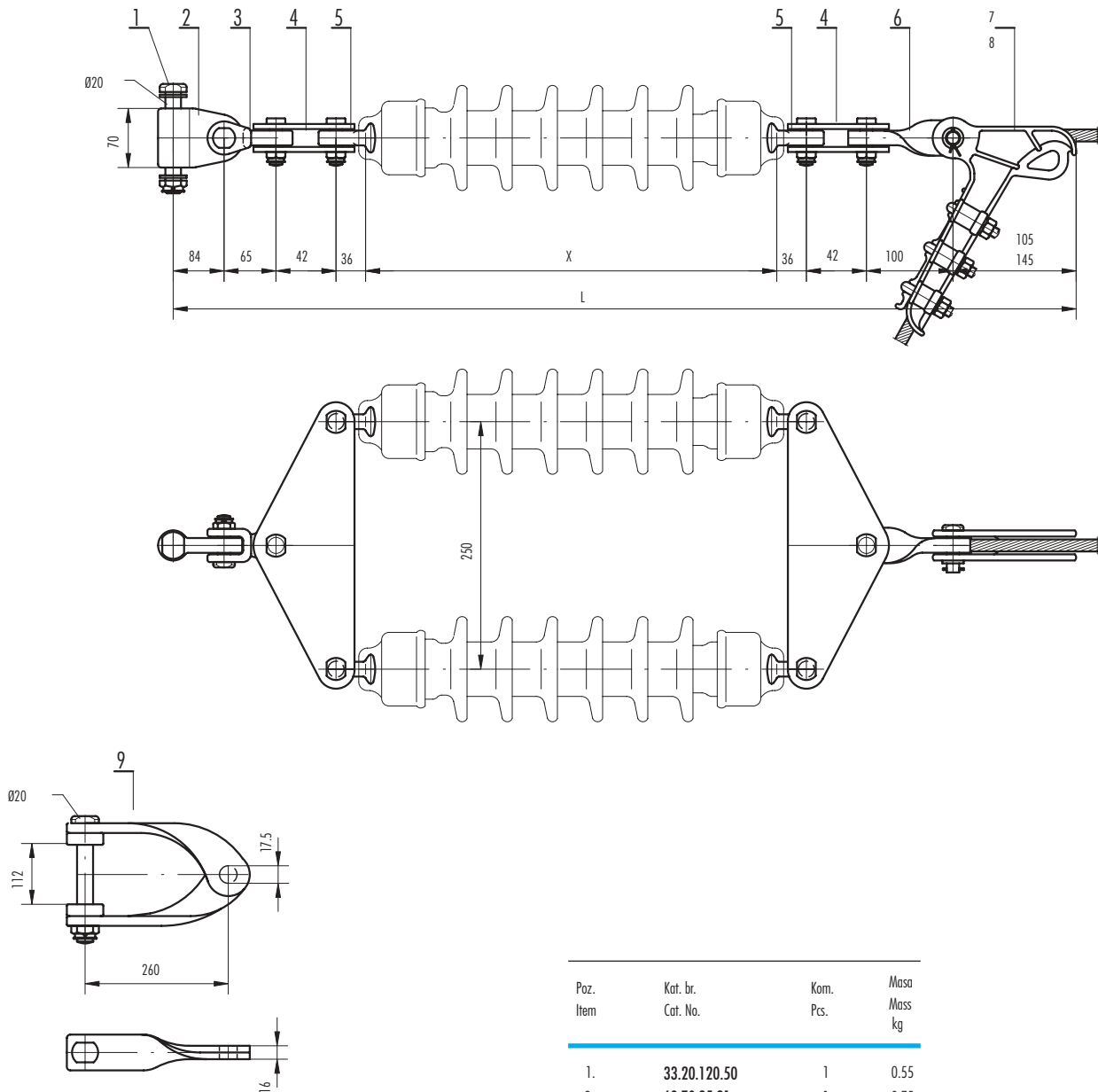
80 kN, zglobna veza 11, IEC 120

**DOUBLE TENSION STRING
with rod insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

80 kN, standard coupling 11, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	33.20.120.50	1	0.55
2.	69.70.85.21	1	0.75
3.	22.08.20	1	0.57
4.	29.52.20	2	1.85
5.	23.08.20	4	0.10
6.	26.71.30	1	0.45
7.	16.12.10A	1	0.75
8.	16.15.10A	1	1.60
9.	43.27.59	1	2.25

**JEDNOSTRUKI NOSNI LANAC
sa štapnim izolatorom**

Za Al, Al - legura i Al-Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

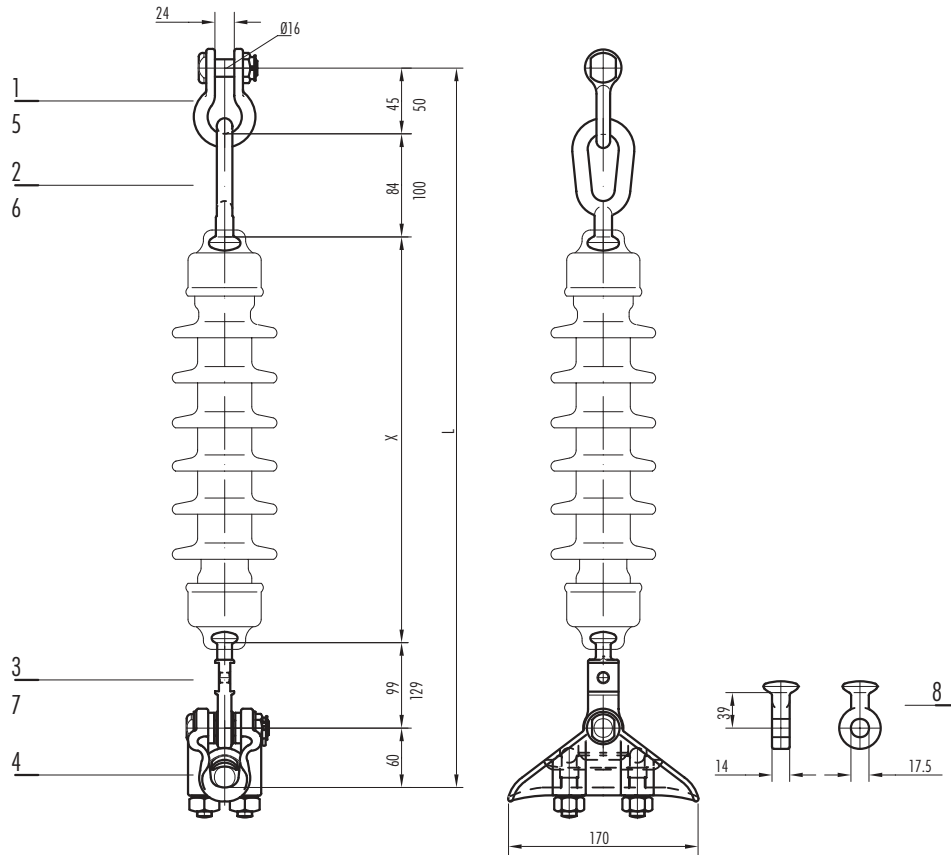
80 kN, zglobna veza 16, IEC 120

**SINGLE SUSPENSION STRING
with rod insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

80 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	27.04.10	1	0.39
2.	21.24.10	1	0.36
3.	23.35.10	1	0.48
4.	10.15.90	1	0.87
5.	27.06.10	1	0.40
6.	21.25.10	1	0.45
7.	23.29.20	1	0.67
8.	23.01.10	1	0.18

INSULATOR STRINGS FOR 20 kV

DVOSTRUKI NOSNI LANAC

sa štapnim izolatorima

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

120 kN, zglobna veza 16, IEC 120

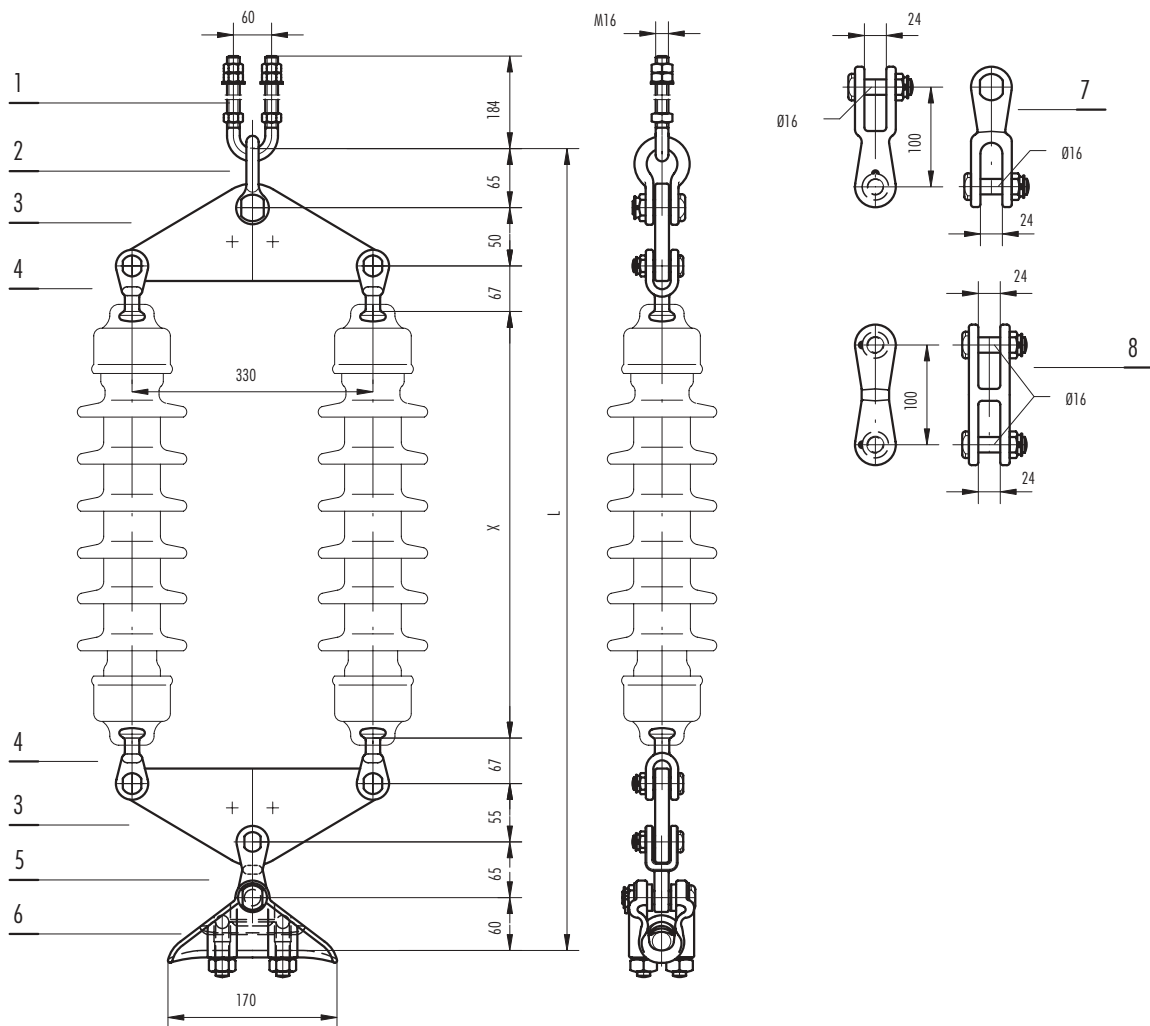
DOUBLE SUSPENSION STRING

with rod insulators

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.16.55	1	0.95
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	4	0.65
5.	22.09.10	1	0.59
6.	10.15.10	1	0.95
7.	22.99.40	1	1.50
8.	22.84.40	1	1.45

**JEDNOSTRUKI ZATEZNI LANAC
sa štapnim izolatorom**

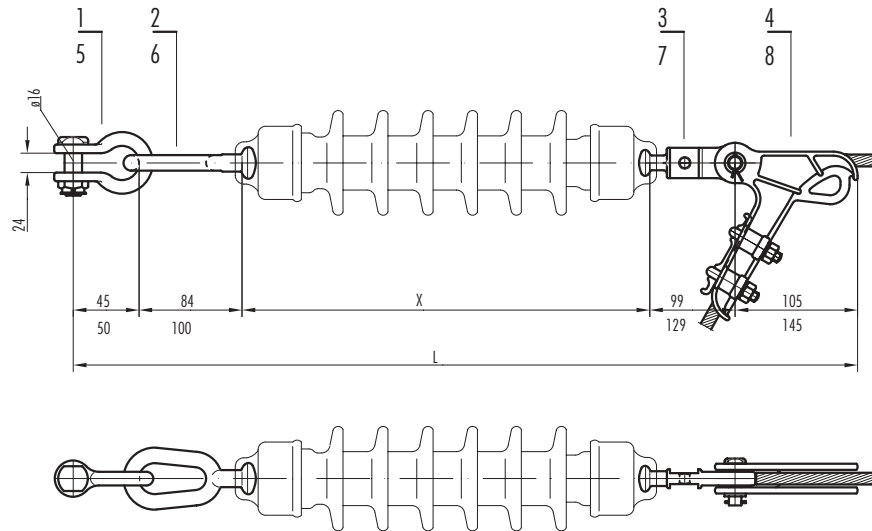
Za Al, Al - legura i Al-Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

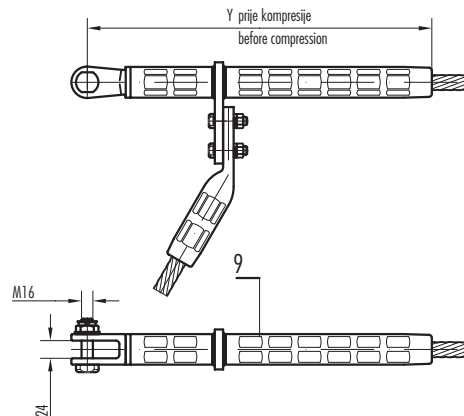
80 kN, zglobna veza 16, IEC 120
**SINGLE TENSION STRING
with rod insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

80 kN, standard coupling 16, IEC 120

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	27.04.10	1	0.39
2.	21.24.10	1	0.36
3.	23.35.10	1	0.48
4.	16.12.10	1	0.75
5.	27.06.10	1	0.40
6.	21.25.10	1	0.45
7.	23.29.20	1	0.67
8.	16.15.10	1	1.60
9.	50.00.000	1	.



INSULATOR STRINGS FOR 20 kV

**DVOSTRUKI ZATEZNI LANAC
sa štapnim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

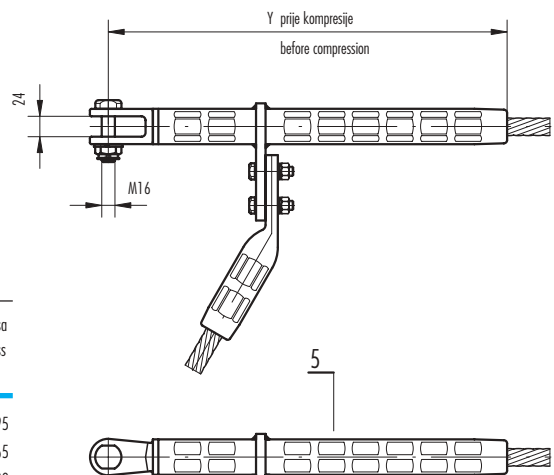
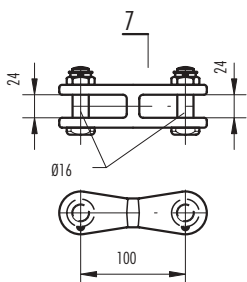
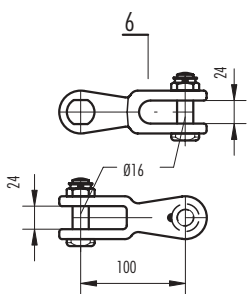
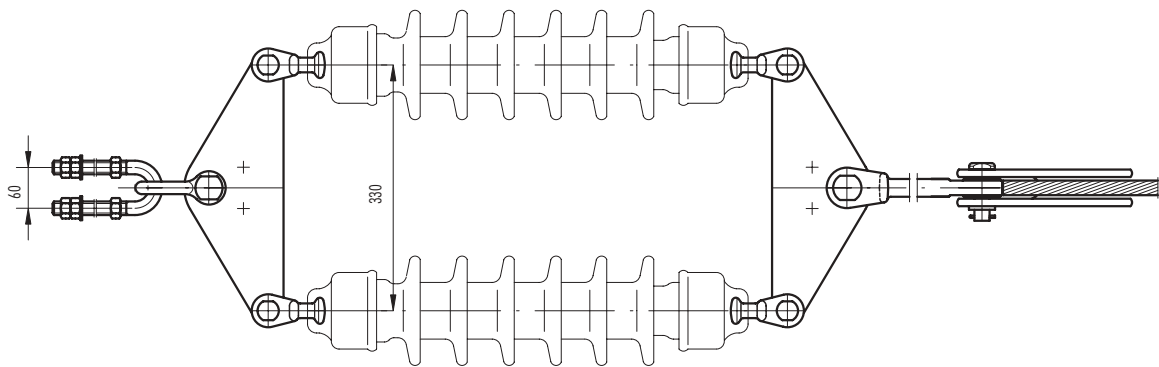
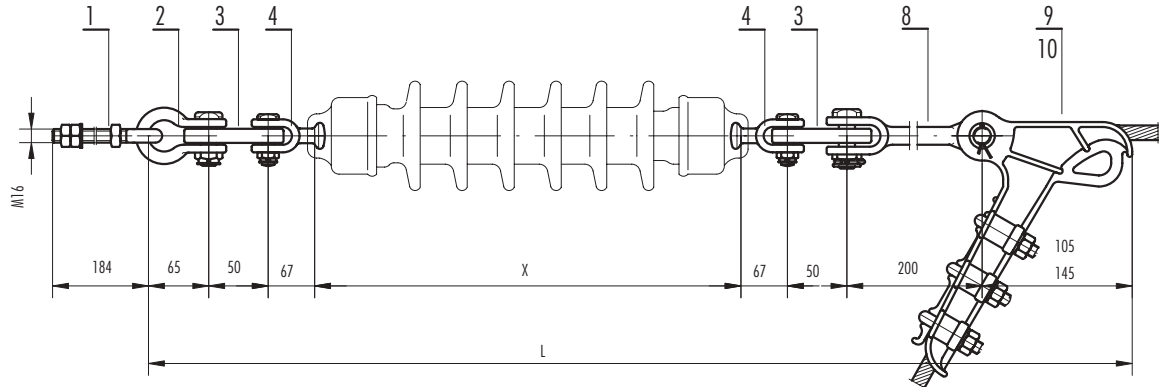
120 kN, zglobna veza 16, IEC 120

**DOUBLE TENSION STRING
with rod insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.16.55	1	0.95
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	4	0.65
5.	50.00.000	1	.
6.	22.99.40	1	1.50
7.	22.84.40	1	1.45
8.	26.36.30	1	0.90
9.	16.12.10	1	0.75
10.	16.15.10	1	1.60

**JEDNOSTRUKI NOSNI LANAC
sa kompozitnim izolatorom**

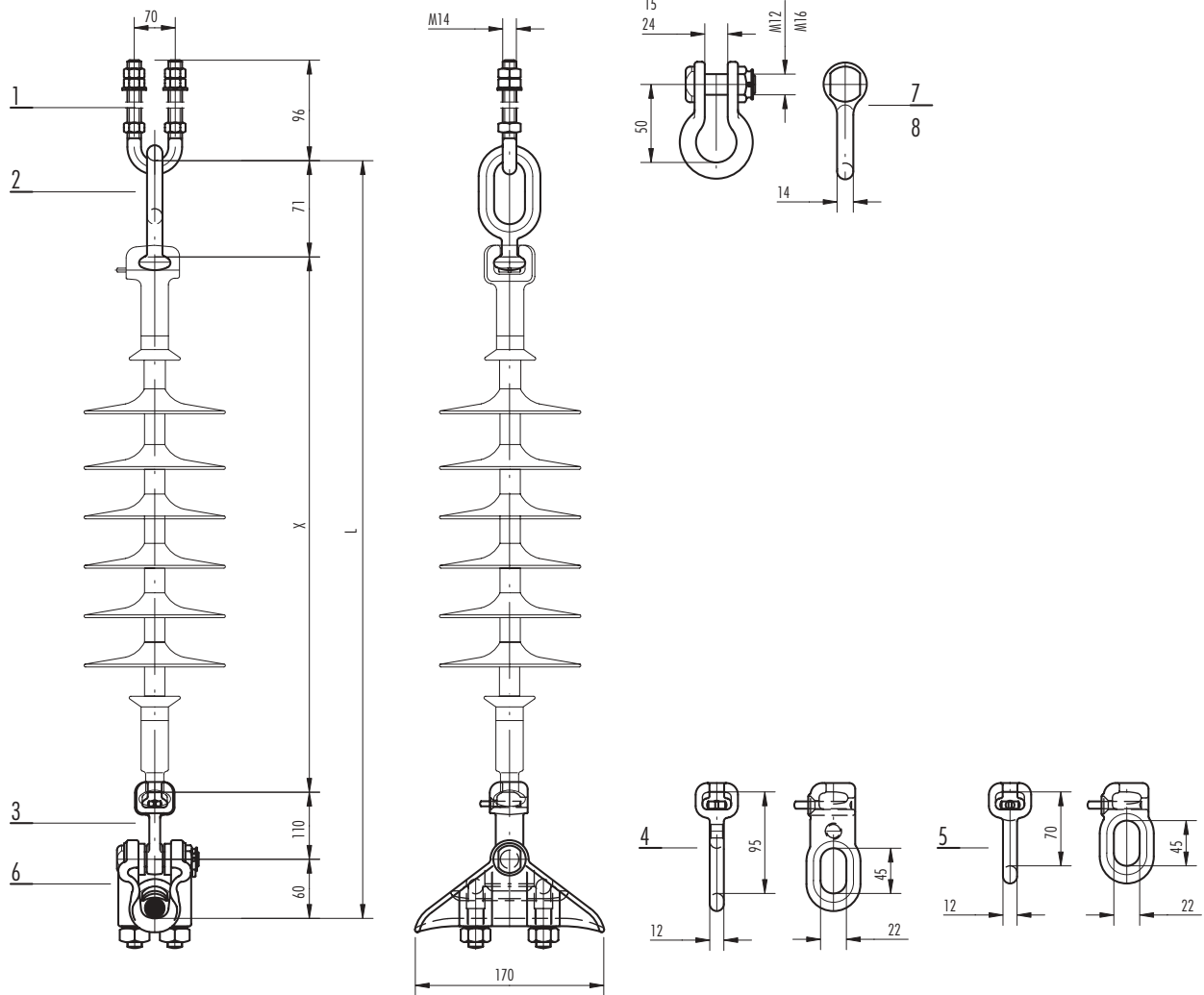
Za Al, Al - legura i Al - Fe vodiče
Minimalna prekidna sila (bez nosne stezaljke)

40 kN, zglobna veza 11, IEC 120

**SINGLE SUSPENSION STRING
with composite insulator**

For AAC, AAAC and ACSR
Minimum breaking strength (without suspension clamp)

40 kN, standard coupling 11, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.14.70	1	0.45
2.	21.04.10	1	0.18
3.	24.31.10	1	0.70
4.	24.78.10	1	0.38
5.	24.75.10	1	0.30
6.	10.15.90	1	0.87
7.	27.01.10A	1	0.35
8.	27.06.10	1	0.40

INSULATOR STRINGS FOR 20 kV

**DVOSTRUKI NOSNI LANAC
sa kompozitnim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

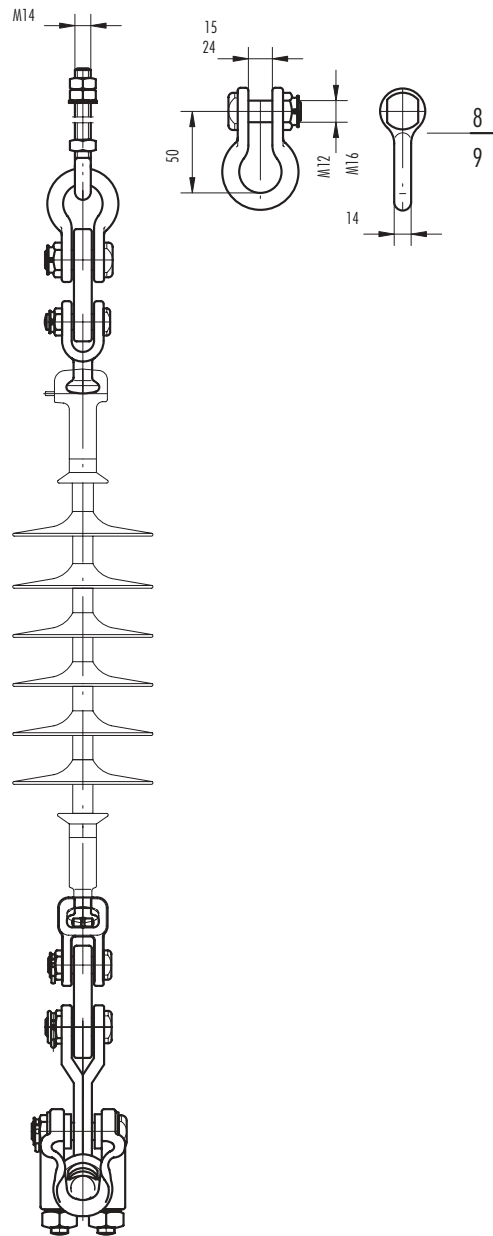
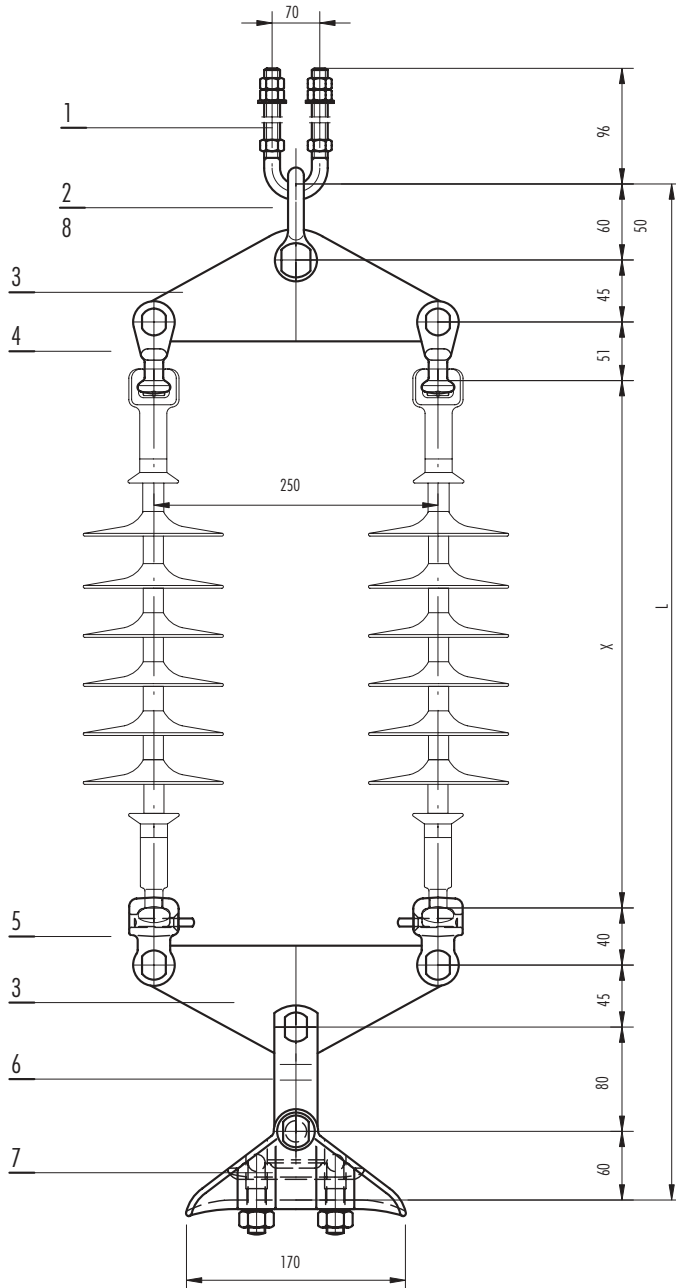
80 kN, zglobna veza 11, IEC 120

**DOUBLE SUSPENSION STRING
with composite insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

80 kN, standard coupling 11, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.14.70	1	0.45
2.	27.01.90A	1	0.39
3.	29.54.10A	2	1.50
4.	23.31.10	2	0.28
5.	24.20.10	2	0.55
6.	43.26.05.30	1	0.70
7.	10.15.90	1	0.87
8.	27.01.10A	1	0.35
9.	27.06.10	1	0.40

**JEDNOSTRUKI ZATEZNI LANAC
sa kompozitnim izolatorom**

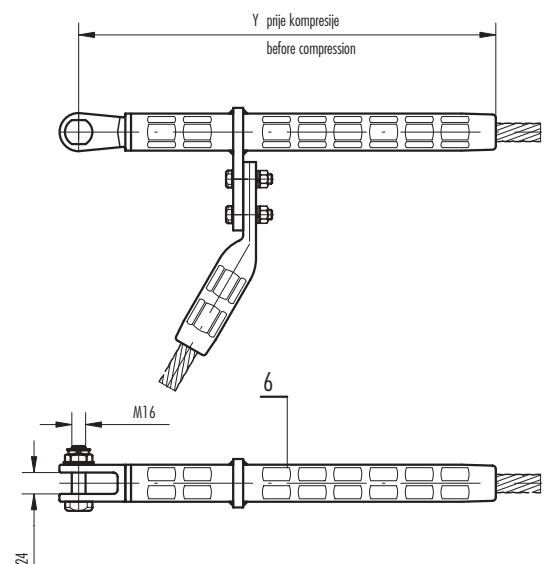
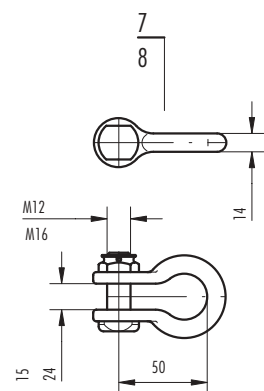
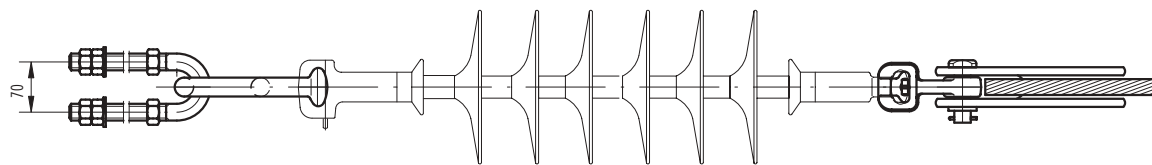
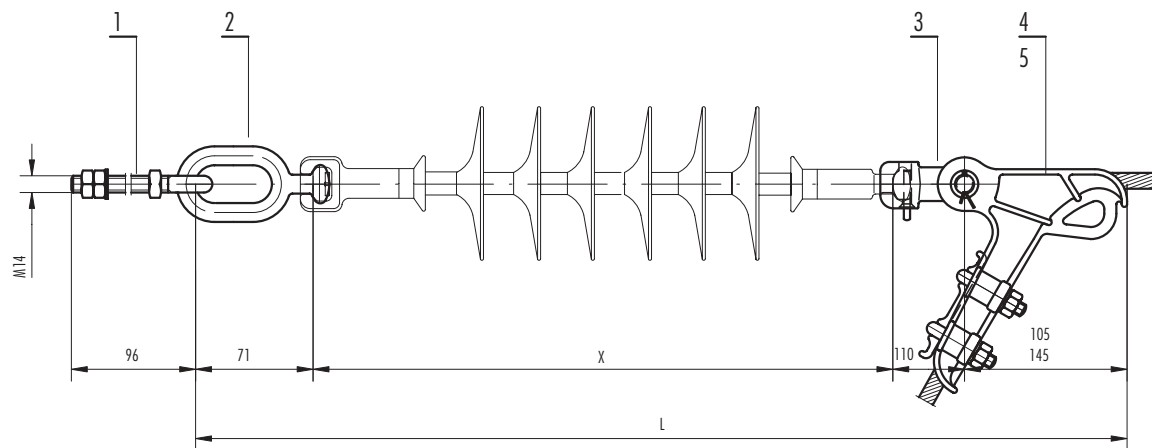
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

40 kN, zglobna veza 11, IEC 120
**SINGLE TENSION STRING
with composite insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

40 kN, standard coupling 11, IEC 120

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.14.70	1	0.45
2.	21.04.10	1	0.18
3.	24.31.10	1	0.70
4.	16.12.10	1	0.75
5.	16.15.10	1	1.60
6.	50.00.000	1	.
7.	27.01.10A	1	0.35
8.	27.06.10	1	0.40

INSULATOR STRINGS FOR 20 kV

DVOSTRUKI ZATEZNI LANAC sa kompozitnim izolatorima

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

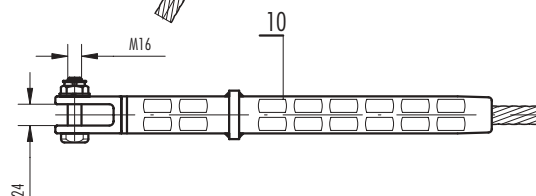
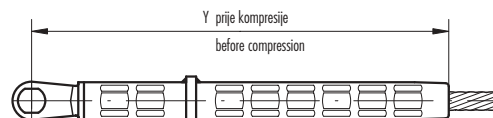
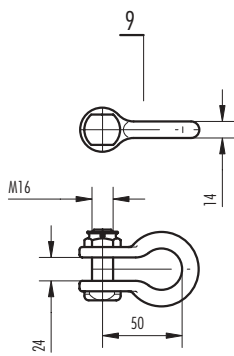
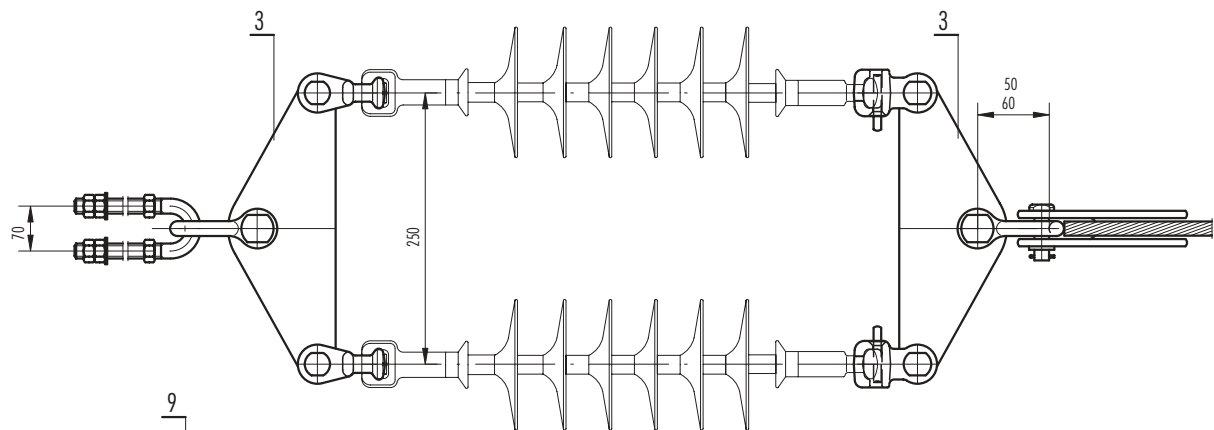
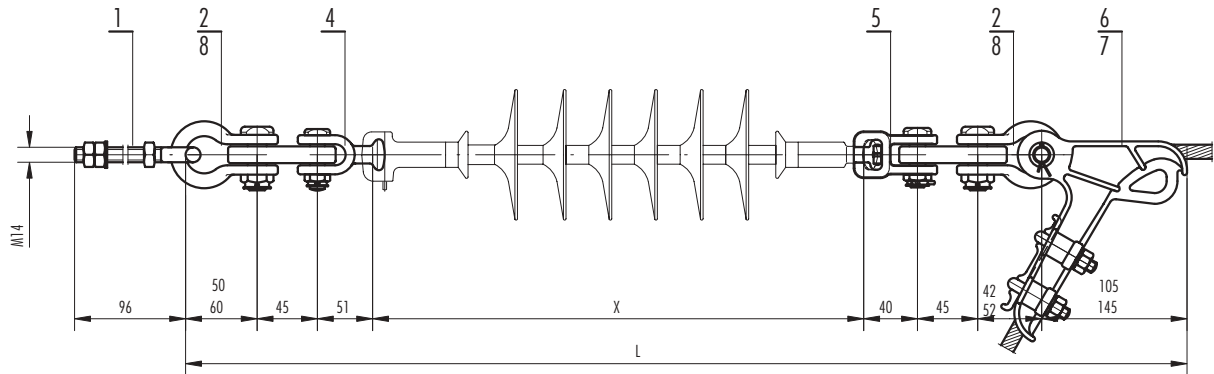
80 kN, zglobna veza 11, IEC 120

DOUBLE TENSION STRING with composite insulators

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

80 kN, standard coupling 11, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.14.70	1	0.45
2.	27.01.10A	2	0.35
3.	29.54.10A	2	1.50
4.	23.31.10	2	0.28
5.	24.20.10	2	0.55
6.	16.12.10	1	0.75
7.	16.15.10	1	1.60
8.	27.01.90A	2	0.39
9.	27.06.10	1	0.40
10.	50.00.000	1	.

**JEDNOSTRUKI NOSNI LANAC
sa kompozitnim izolatorom**

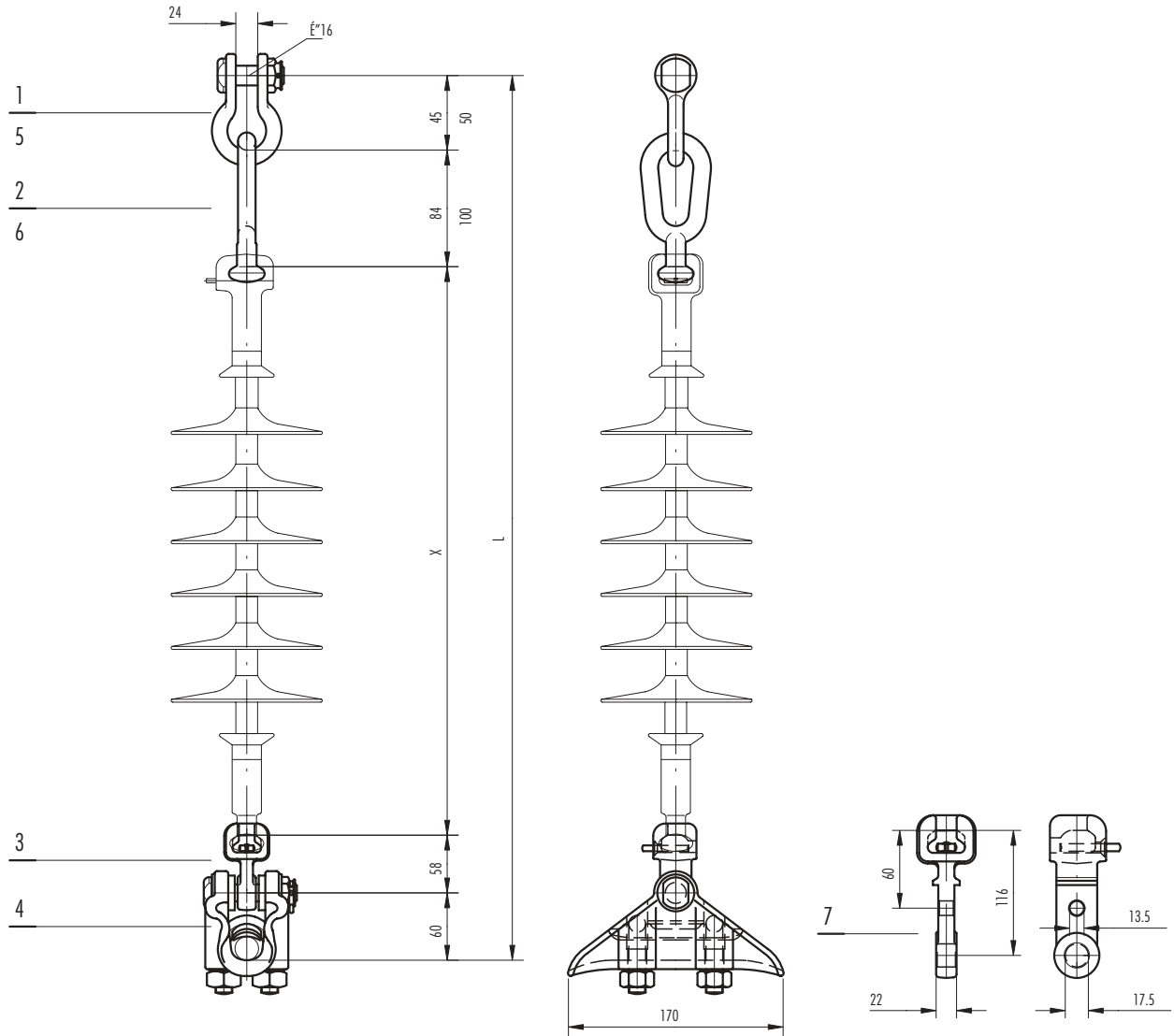
Za Al, Al - legura i Al - Fe vodiče
Minimalna prekidna sila (bez nosne stezaljke)

80 kN, zglobna veza 16, IEC 120

**SINGLE SUSPENSION STRING
with composite insulator**

For AAC, AAAC and ACSR
Minimum breaking strength (without suspension clamp)

80 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	27.04.10	1	0.39
2.	21.24.10	1	0.36
3.	24.03.10	1	0.50
4.	10.15.90	1	0.87
5.	27.06.10	1	0.40
6.	21.25.10	1	0.45
7.	24.42.20	1	1.05

INSULATOR STRINGS FOR 20 kV

**DVOSTRUKI NOSNI LANAC
sa kompozitnim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

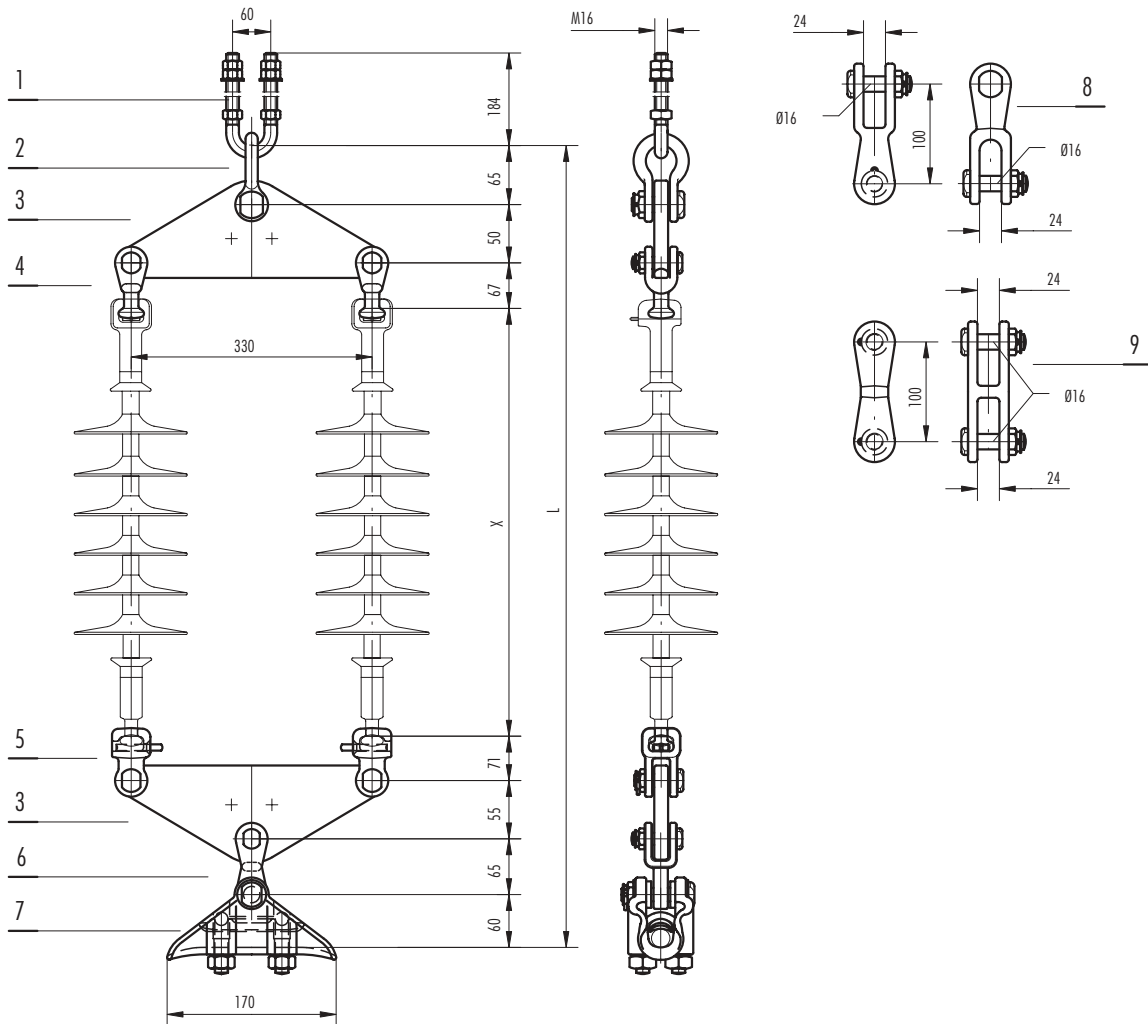
120 kN, zglobna veza 16, IEC 120

**DOUBLE SUSPENSION STRING
with composite insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120



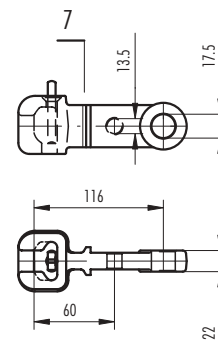
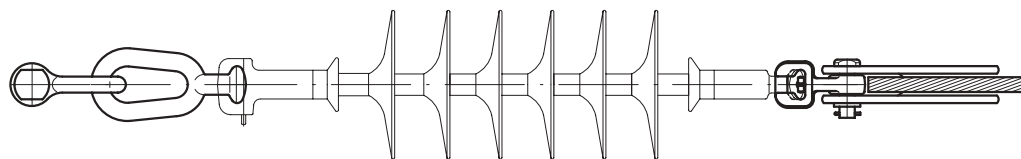
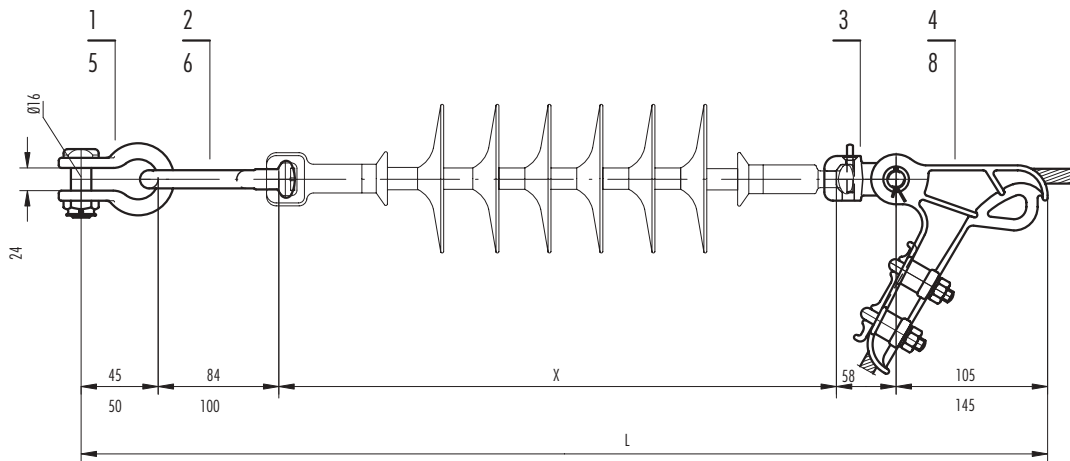
Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.16.55	1	0.95
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	2	0.65
5.	24.60.10	2	1.00
6.	22.09.10	1	0.59
7.	10.15.10	1	0.95
8.	22.99.40	1	1.50
9.	22.84.40	1	1.45

**JEDNOSTRUKI ZATEZNI LANAC
sa kompozitnim izolatorom**

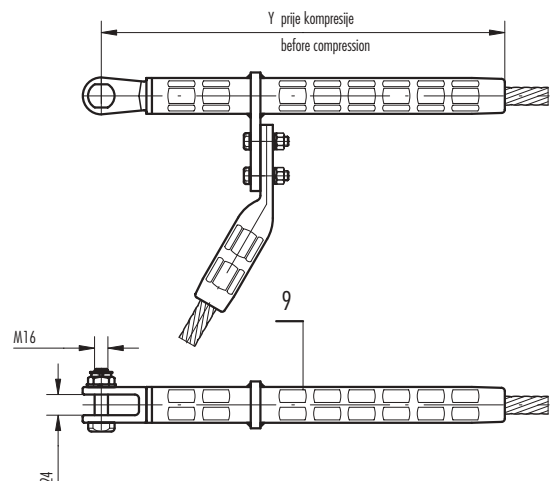
Za Al, Al - legura i Al - Fe vodiče
Minimalna prekidna sila (bez zatezne stezaljke)

80 kN, zglobna veza 16, IEC 120
**SINGLE TENSION STRING
with composite insulator**

For AAC, AAAC and ACSR
Minimum breaking strength (without tension clamp)

80 kN, standard coupling 16, IEC 120


Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	27.04.10	1	0.39
2.	21.24.10	1	0.36
3.	24.03.10	1	0.50
4.	16.12.10	1	0.75
5.	27.06.10	1	0.40
6.	21.25.10	1	0.45
7.	24.42.20	1	1.05
8.	16.15.10	1	1.60
9.	50.00.000	1	.



INSULATOR STRINGS FOR 20 kV

DVOSTRUKI ZATEZNI LANAC sa kompozitnim izolatorima

Za Al, Al - legura i Al - Fe vodice

Minimalna prekidna sila (bez zatezne stezaljke)

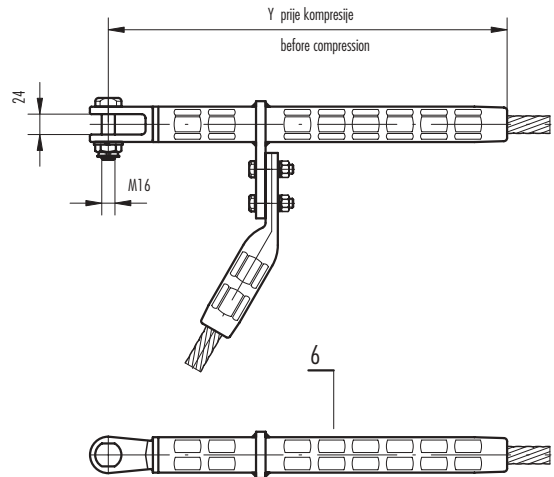
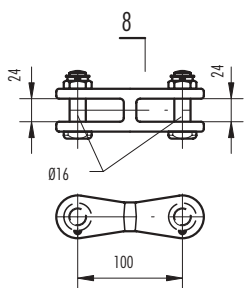
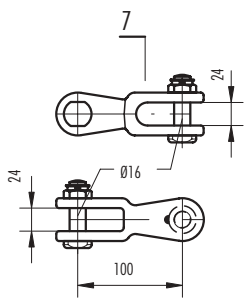
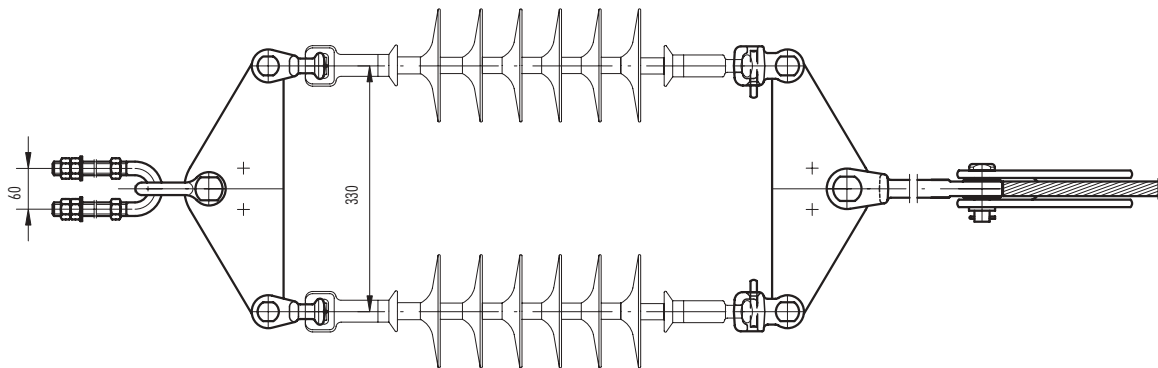
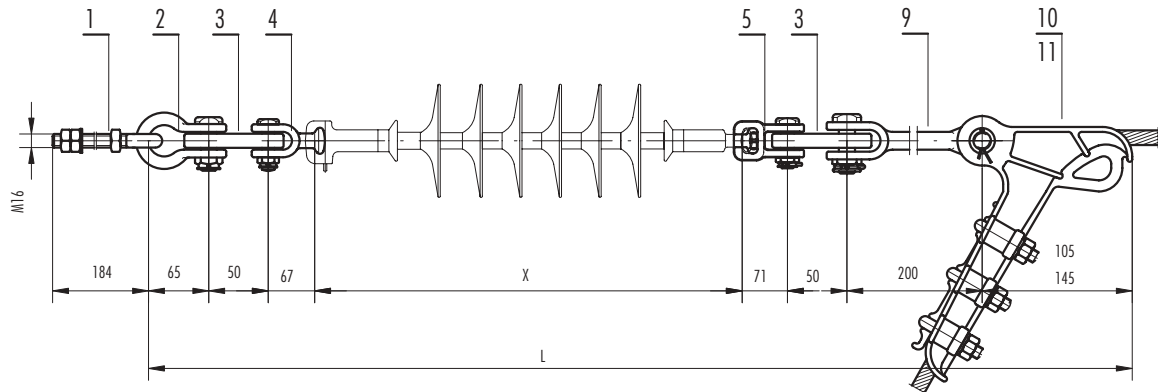
120 kN, zglobna veza 16, IEC 120

DOUBLE TENSION STRING with composite insulators

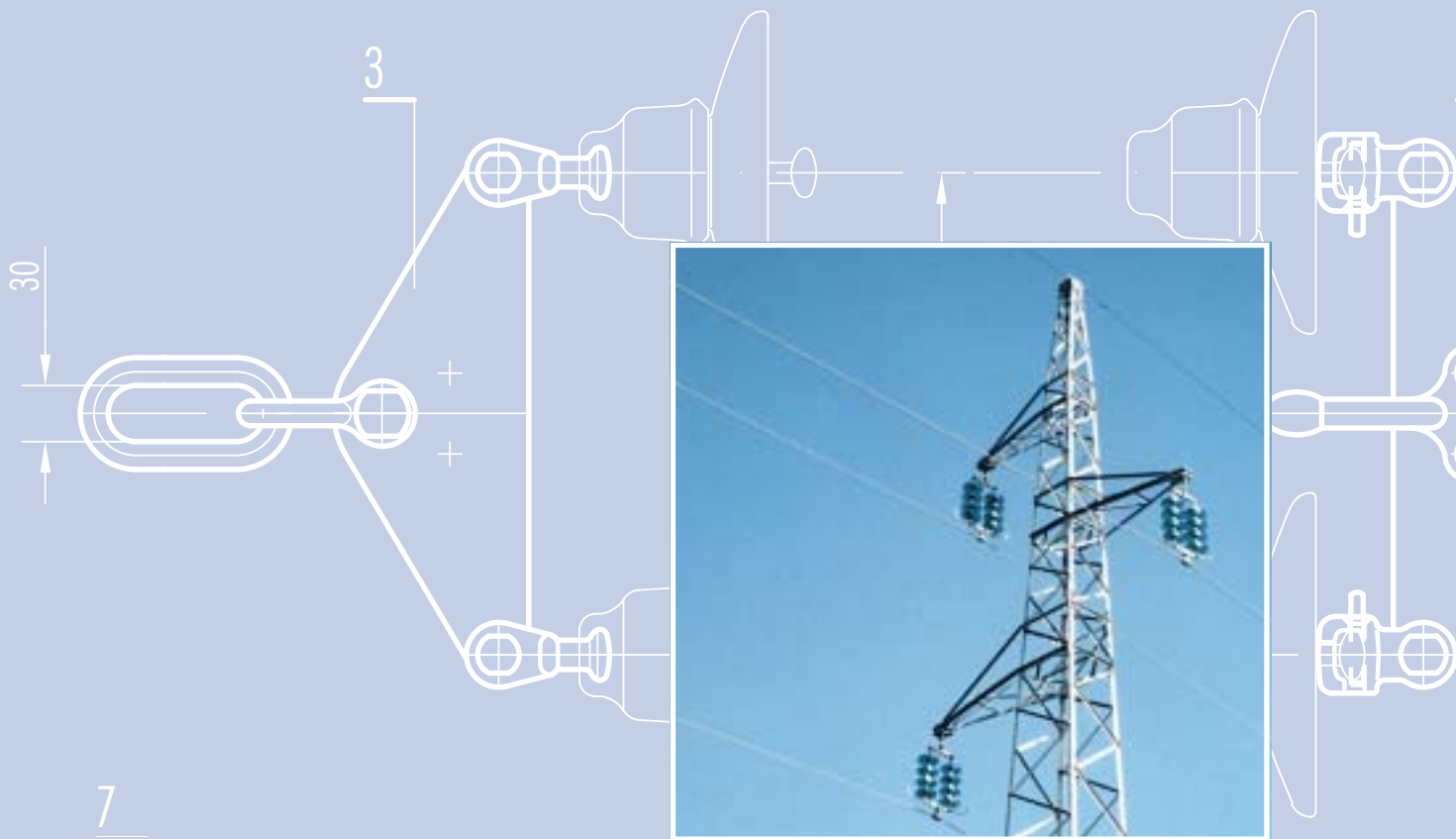
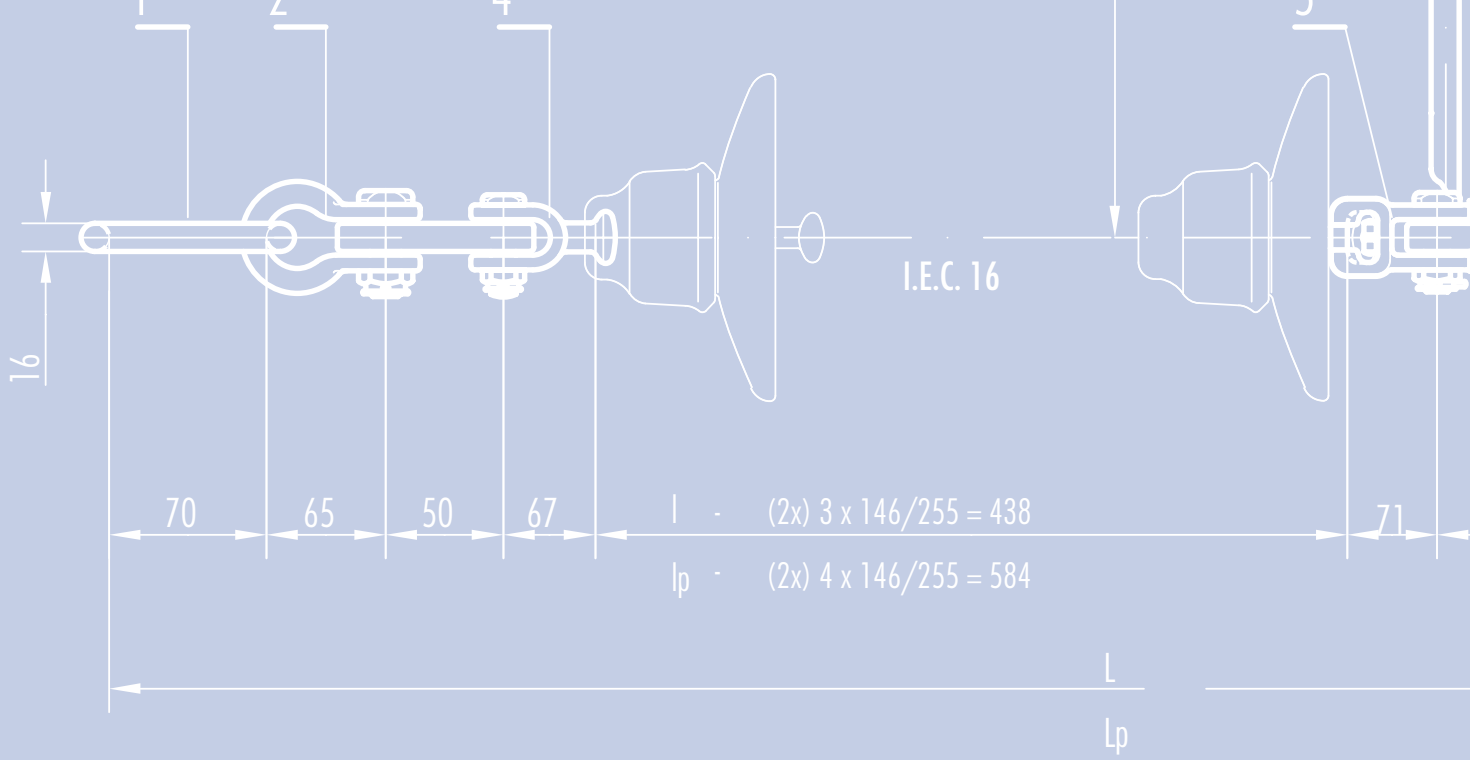
For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.16.55	1	0.95
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	2	0.65
5.	24.60.10	2	1.00
6.	50.00.000	1	.
7.	22.99.40	1	1.50
8.	22.84.40	1	1.45
9.	26.36.30	1	0.90
10.	16.12.10	1	0.75
11.	16.15.10	1	1.60



4 **IZOLATORSKI LANCI ZA 35 kV**
INSULATOR STRINGS FOR 35 kV

**JEDNOSTRUKI NOSNI LANAC
 sa kapastim izolatorima**

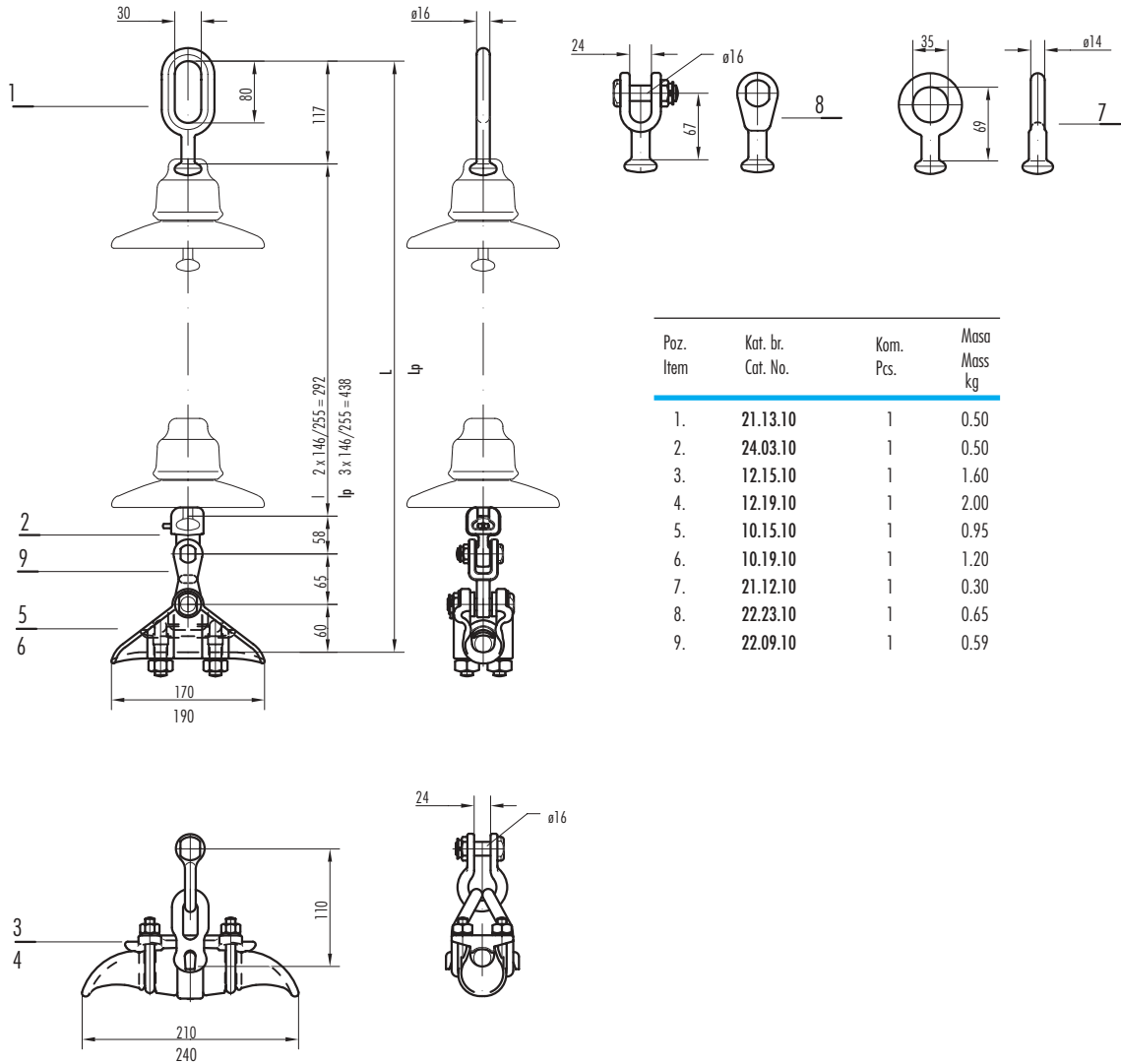
Za Al, Al - legura i Al - Fe vodiče
 Minimalna prekidna sila (bez nosne stezaljke)

80 kN, zglobna veza 16, IEC 120

**SINGLE SUSPENSION STRING
 with cap and pin insulators**

For AAC, AAAC and ACSR
 Minimum breaking strength (without suspension clamp)

80 kN, standard coupling 16, IEC 120



INSULATOR STRINGS FOR 35 kV

**DVOSTRUKI NOSNI LANAC
sa kapastim izolatorima**

Za Al., Al. legura i Al-Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

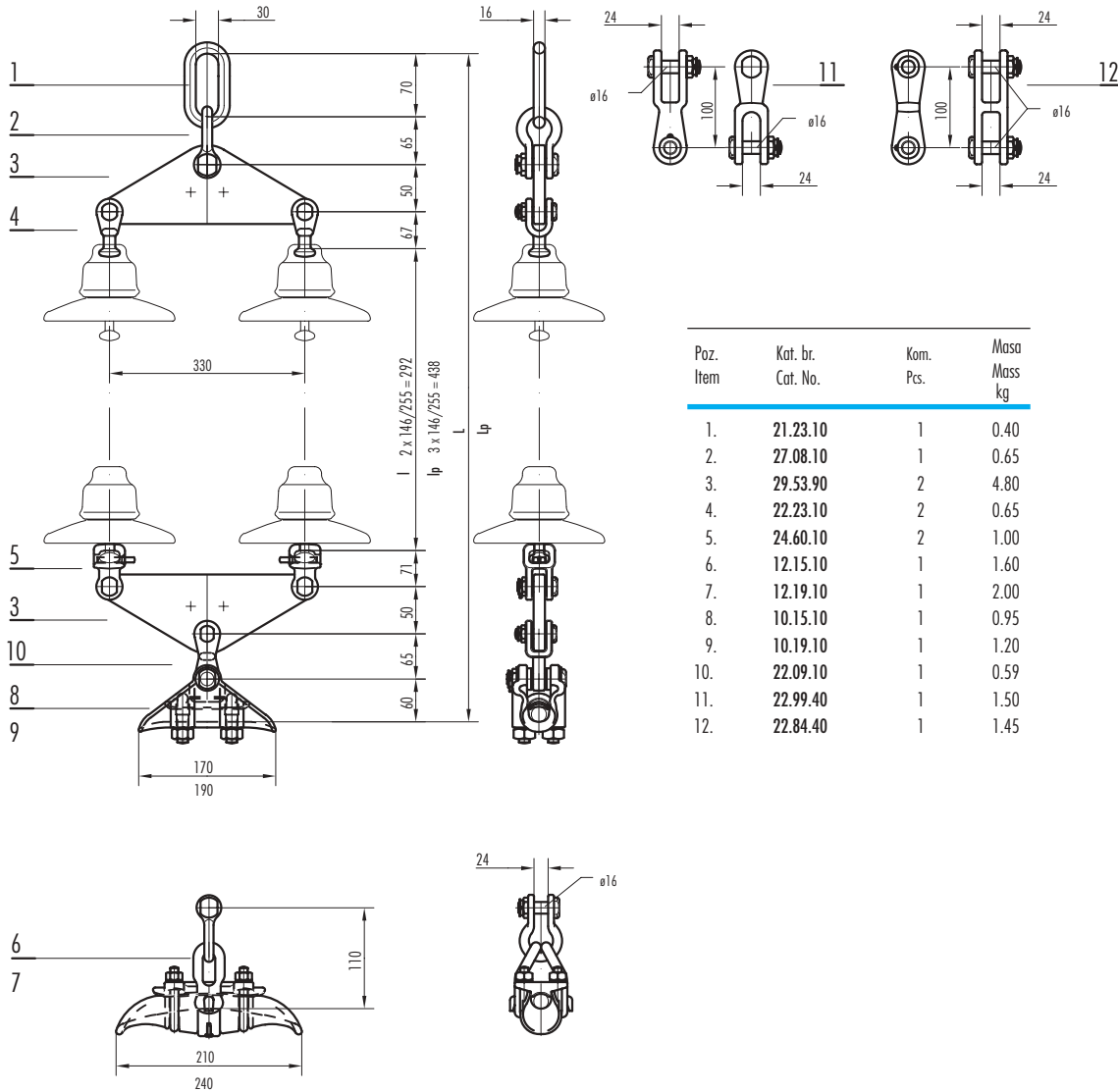
120 kN, zglobna veza 16, IEC 120

**DOUBLE SUSPENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120



**JEDNOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima**

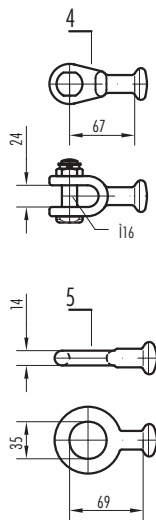
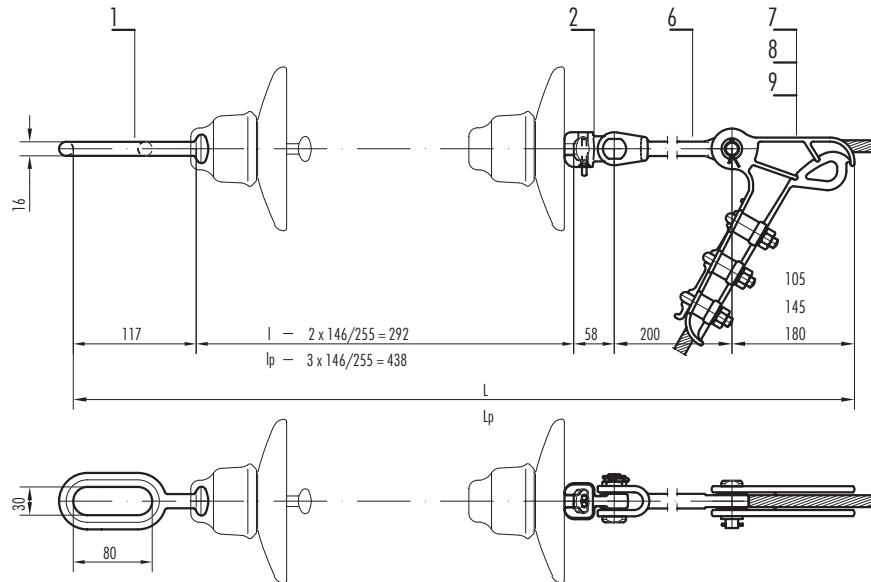
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

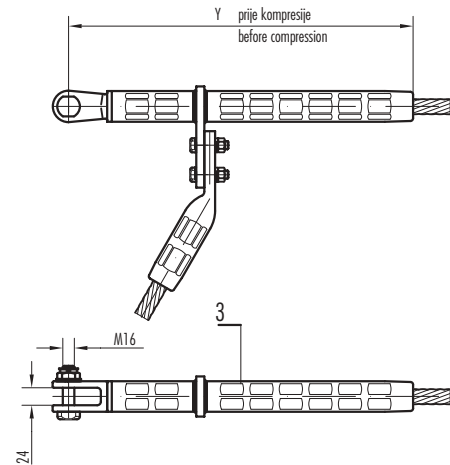
80 kN, zglobna veza 16, IEC 120
**SINGLE TENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

80 kN, standard coupling 16, IEC 120


Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.13.10	1	0.50
2.	24.03.10	1	0.50
3.	50.00.000	1	.
4.	22.23.10	1	0.65
5.	21.13.10	1	0.50
6.	26.26.30	1	0.90
7.	16.12.10	1	0.75
8.	16.15.10	1	1.60
9.	16.19.10	1	3.30



INSULATOR STRINGS FOR 35 kV

**DVOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

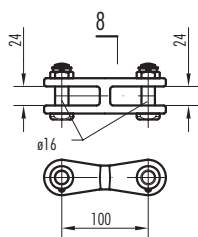
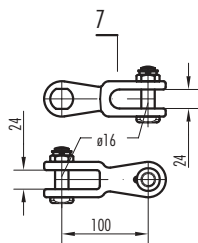
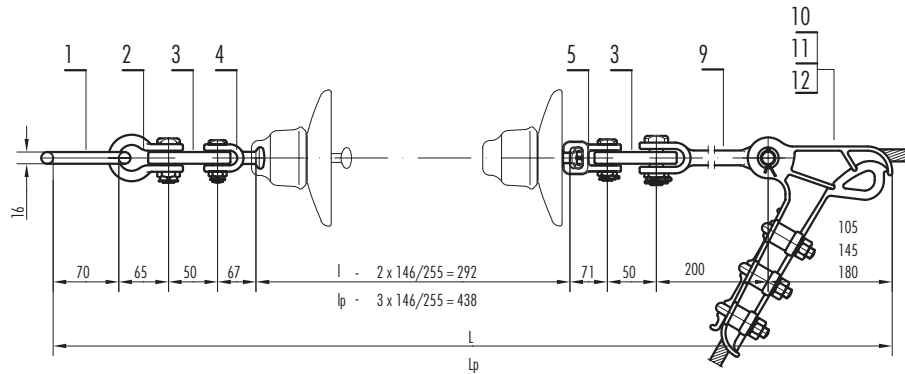
120 kN, zglobna veza 16, IEC 120

**DOUBLE TENSION STRING
with cap and pin insulators**

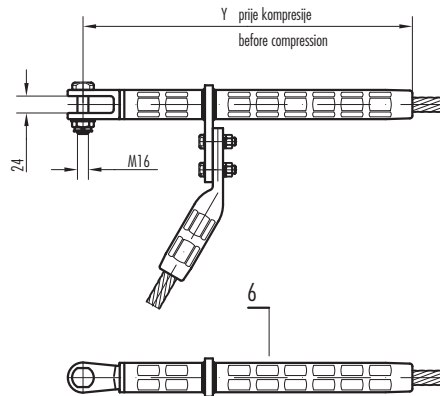
For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

120 kN, standard coupling 16, IEC 120



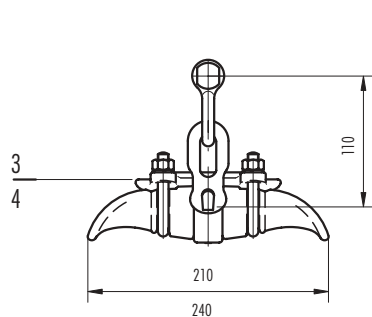
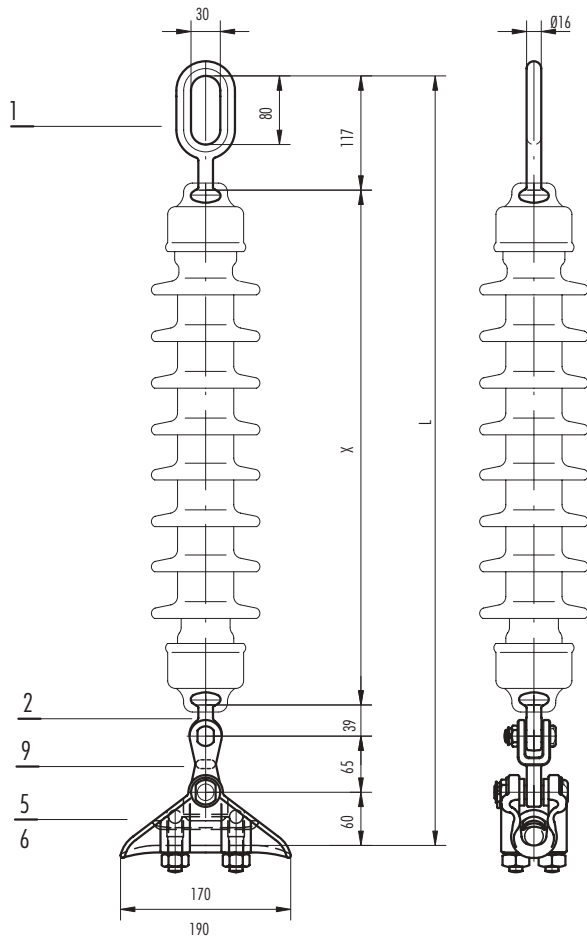
Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.23.10	1	0.40
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	2	0.65
5.	24.60.10	2	1.00
6.	50.00.000	1	.
7.	22.99.40	1	1.50
8.	22.84.40	1	1.45
9.	26.36.30	1	0.90
10.	16.12.10	1	0.75
11.	16.15.10	1	1.60
12.	16.19.10	1	3.30



**JEDNOSTRUKI NOSNI LANAC
sa štapnim izolatorom**

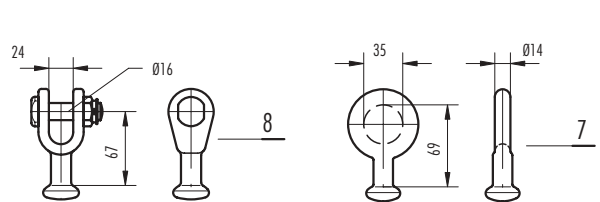
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

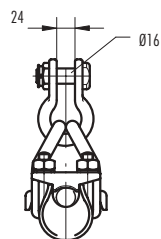
80 kN, zglobna veza 16, IEC 120
**SINGLE SUSPENSION STRING
with rod insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

80 kN, standard coupling 16, IEC 120

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.13.10	1	0.50
2.	23.01.10	1	0.18
3.	12.15.10	1	1.60
4.	12.19.10	1	2.00
5.	10.15.10	1	0.95
6.	10.19.10	1	1.20
7.	21.12.10	1	0.30
8.	22.23.10	1	0.65
9.	22.09.10	1	0.59



INSULATOR STRINGS FOR 35 kV

**DVOSTRUKI NOSNI LANAC
sa štapnim izolatorima**

Za Al, Al - legura i Al - Fe vodice

Minimalna prekidna sila (bez nosne stezaljke)

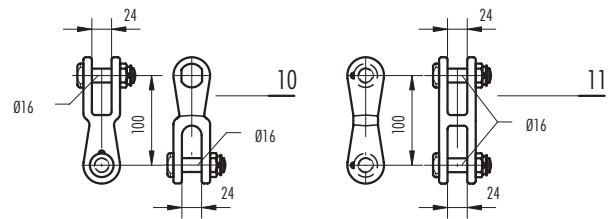
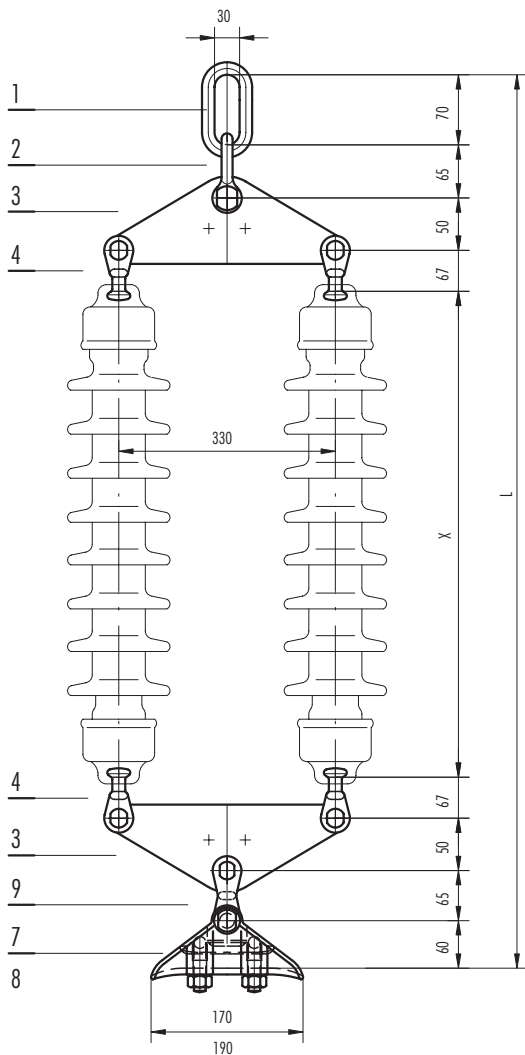
120 kN, zglobna veza 16, IEC 120

**DOUBLE SUSPENSION STRING
with rod insulators**

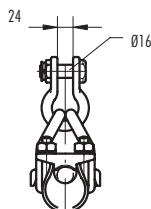
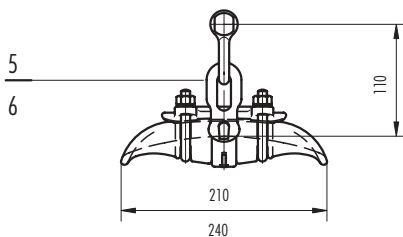
For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.23.10	1	0.40
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	4	0.65
5.	12.15.10	1	1.60
6.	12.19.10	1	2.00
7.	10.15.10	1	0.95
8.	10.19.10	1	1.20
9.	22.09.10	1	0.59
10.	22.99.40	1	1.50
11.	22.84.40	1	1.45



**JEDNOSTRUKI ZATEZNI LANAC
 sa štapnim izolatorom**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

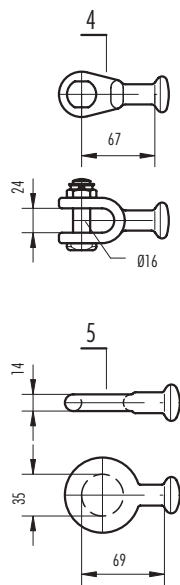
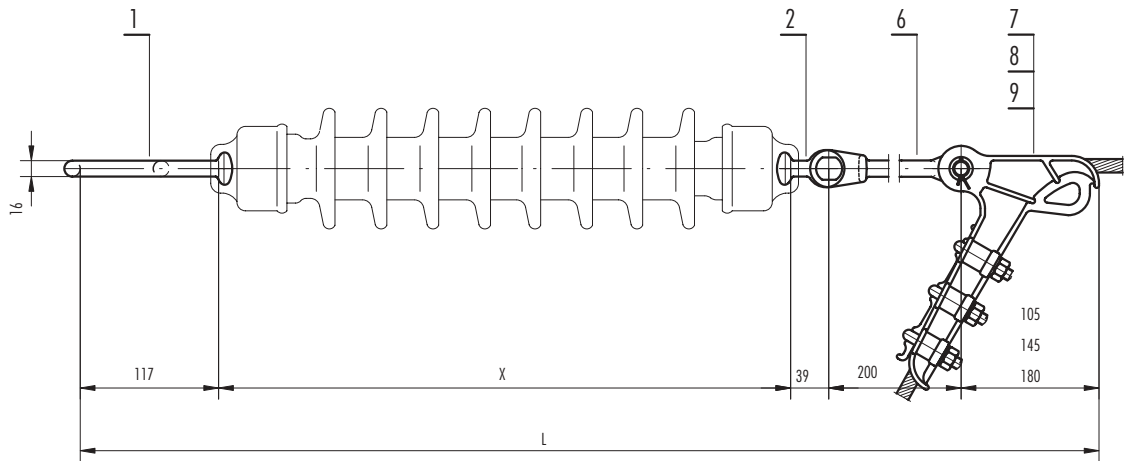
80 kN, zglobna veza 16, IEC 120

**SINGLE TENSION STRING
 with rod insulator**

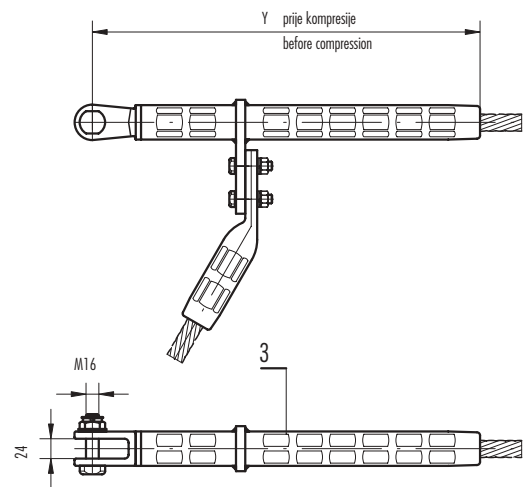
For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

80 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.13.10	1	0.50
2.	23.01.10	1	0.18
3.	50.00.000	1	.
4.	22.23.10	1	0.65
5.	21.13.10	1	0.50
6.	26.26.30	1	0.90
7.	16.12.10	1	0.75
8.	16.15.10	1	1.60
9.	16.19.10	1	3.30



INSULATOR STRINGS FOR 35 kV

**DVOSTRUKI ZATEZNI LANAC
sa štapnim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

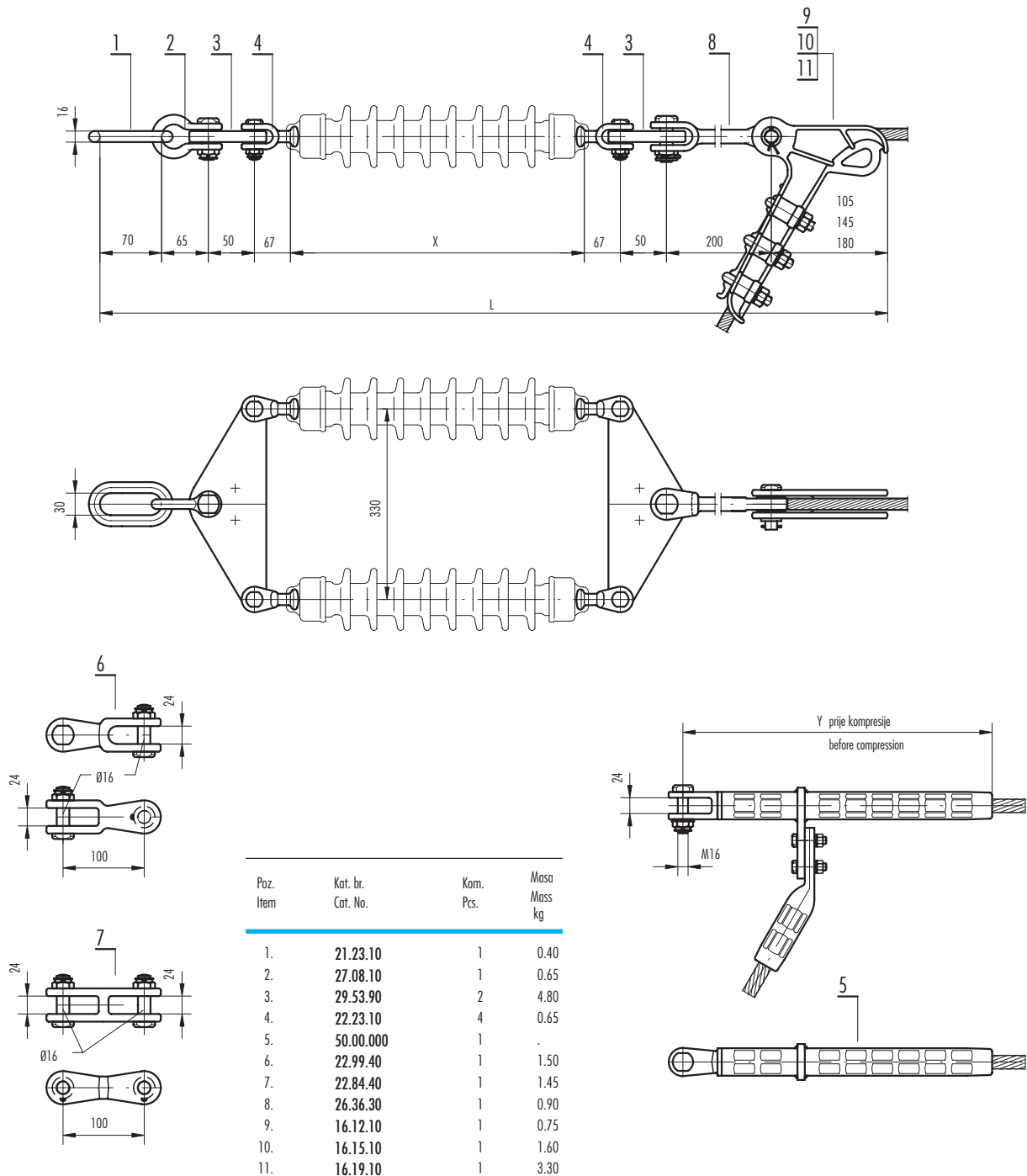
120 kN, zglobna veza 16, IEC 120

**DOUBLE TENSION STRING
with rod insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

120 kN, standard coupling 16, IEC 120



**JEDNOSTRUKI NOSNI LANAC
sa kompozitnim izolatorom**

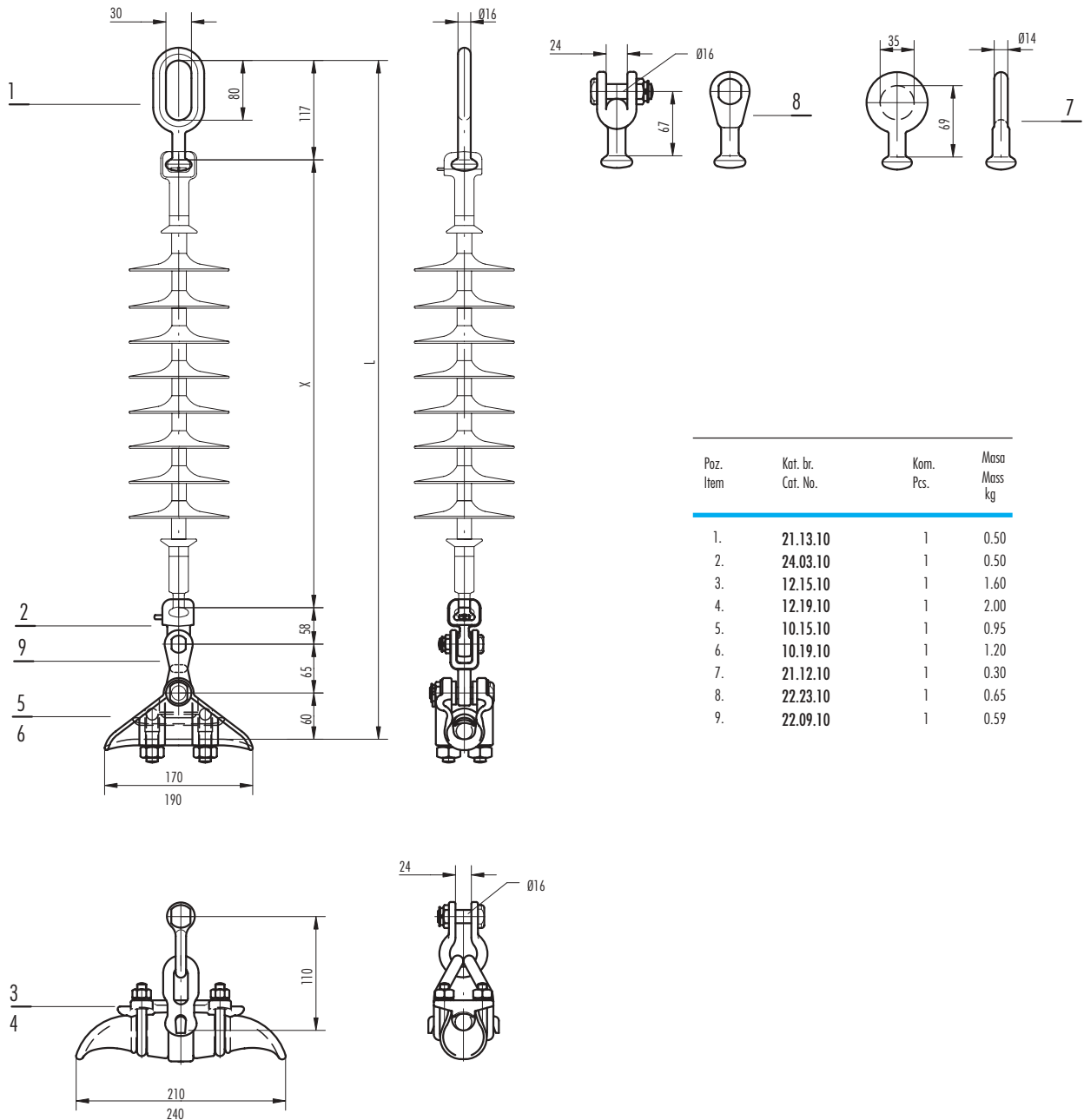
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

80 kN, zglobna veza 16, IEC 120
**SINGLE SUSPENSION STRING
with composite insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

80 kN, standard coupling 16, IEC 120


Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.13.10	1	0.50
2.	24.03.10	1	0.50
3.	12.15.10	1	1.60
4.	12.19.10	1	2.00
5.	10.15.10	1	0.95
6.	10.19.10	1	1.20
7.	21.12.10	1	0.30
8.	22.23.10	1	0.65
9.	22.09.10	1	0.59

INSULATOR STRINGS FOR 35 kV

**DVOSTRUKI NOSNI LANAC
sa kompozitnim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

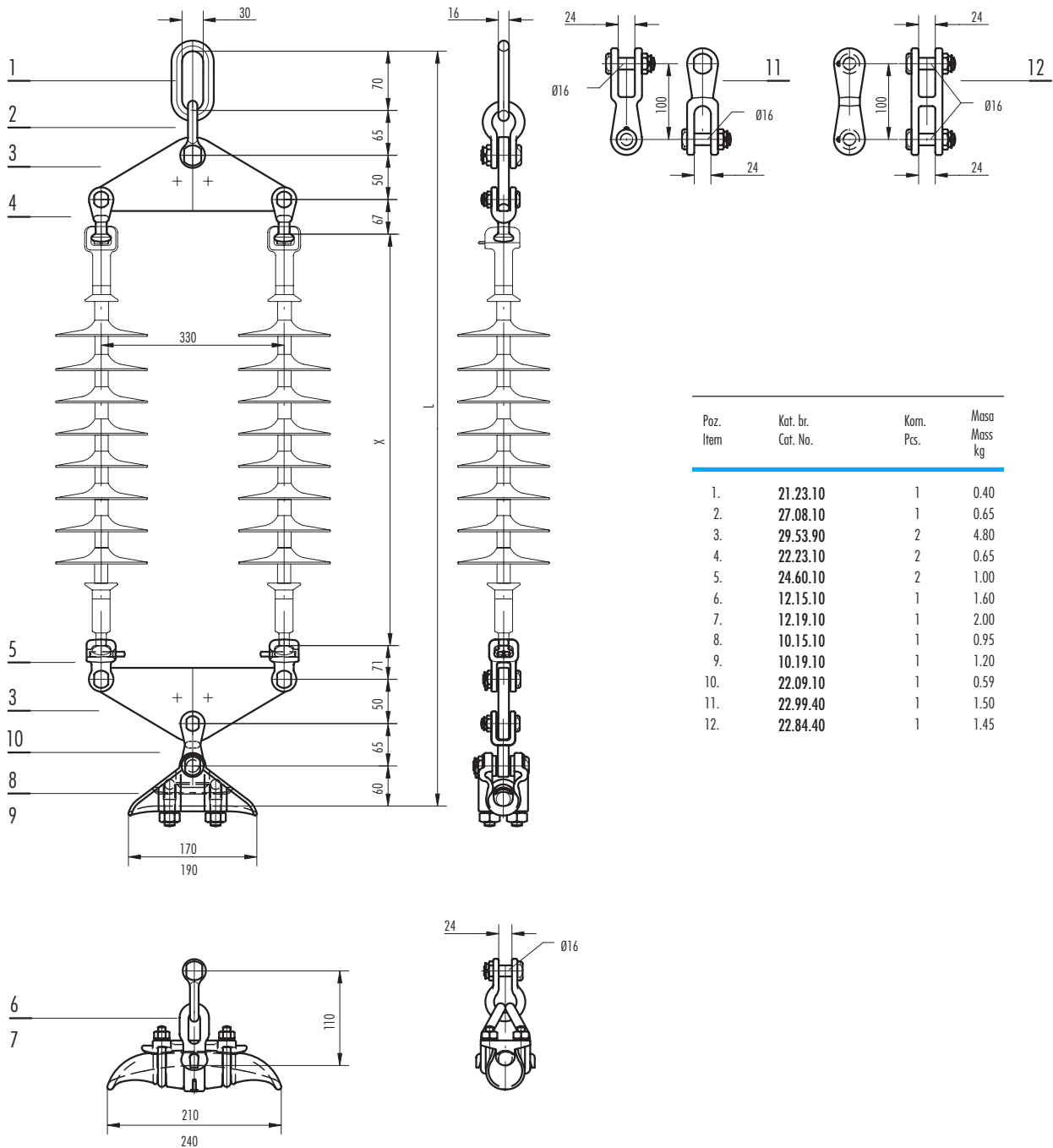
120 kN, zglobna veza 16, IEC 120

**DOUBLE SUSPENSION STRING
with composite insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120



**JEDNOSTRUKI ZATEZNI LANAC
sa kompozitnim izolatorom**

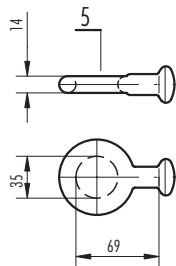
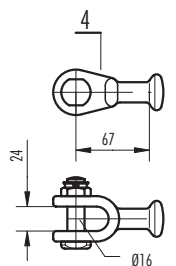
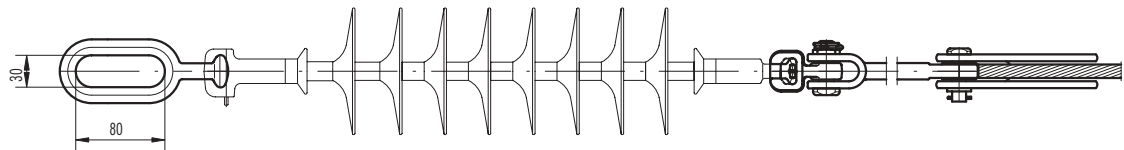
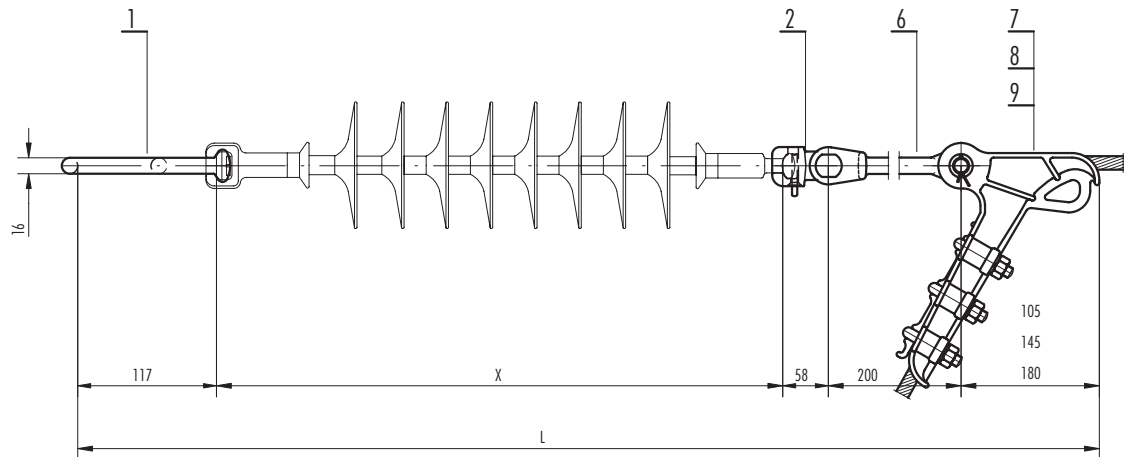
Za Al, Al - legura i Al - Fe vodiče
Minimalna prekidna sila (bez zatezne stezaljke)

80 kN, zglobna veza 16, IEC 120

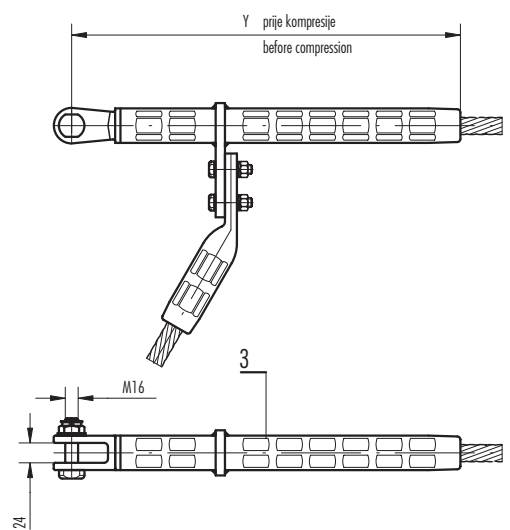
**SINGLE TENSION STRING
with composite insulator**

For AAC, AAAC and ACSR
Minimum breaking strength (without tension clamp)

80 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.13.10	1	0.50
2.	24.03.10	1	0.50
3.	50.00.000	1	-
4.	22.23.10	1	0.65
5.	21.13.10	1	0.50
6.	26.26.30	1	0.90
7.	16.12.10	1	0.75
8.	16.15.10	1	1.60
9.	16.19.10	1	3.30



INSULATOR STRINGS FOR 35 kV

**DVOSTRUKI ZATEZNI LANAC
sa kompozitnim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

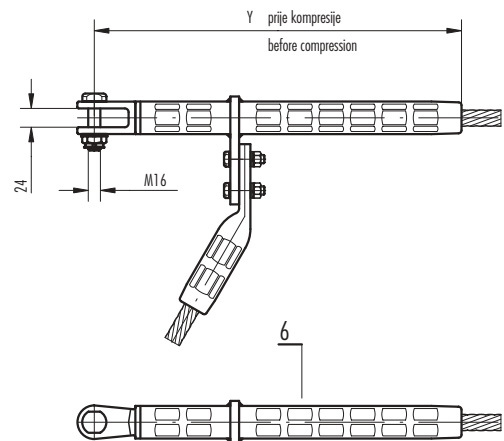
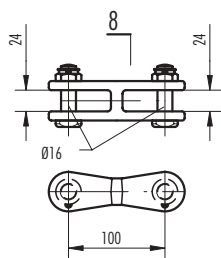
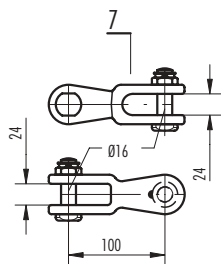
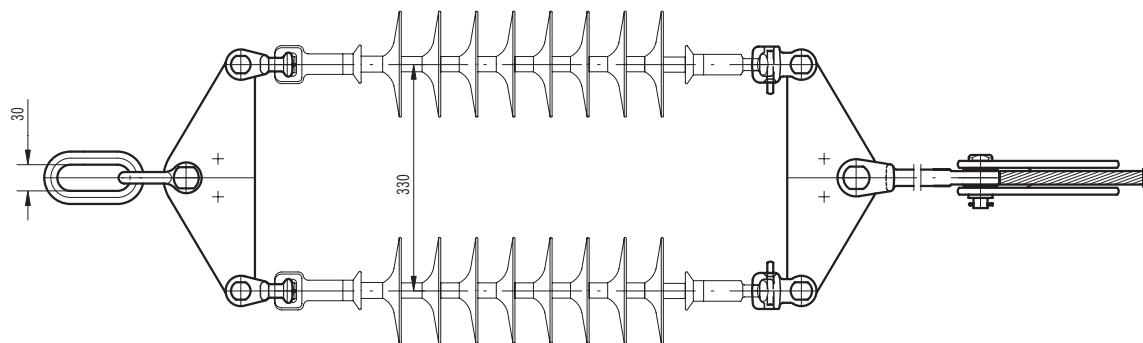
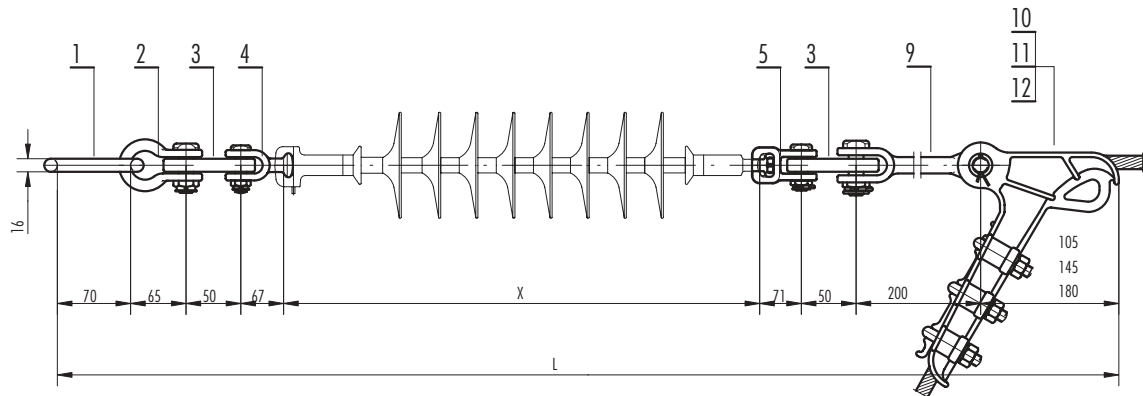
120 kN, zglobna veza 16, IEC 120

**DOUBLE TENSION STRING
with composite insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.23.10	1	0.40
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	2	0.65
5.	24.60.10	2	1.00
6.	50.00.000	1	.
7.	22.99.40	1	1.50
8.	22.84.40	1	1.45
9.	26.36.30	1	0.90
10.	16.12.10	1	0.75
11.	16.15.10	1	1.60
12.	16.19.10	1	3.30

JEDNOSTRUKI NOSNI LANAC
sa kapastim izolatorima

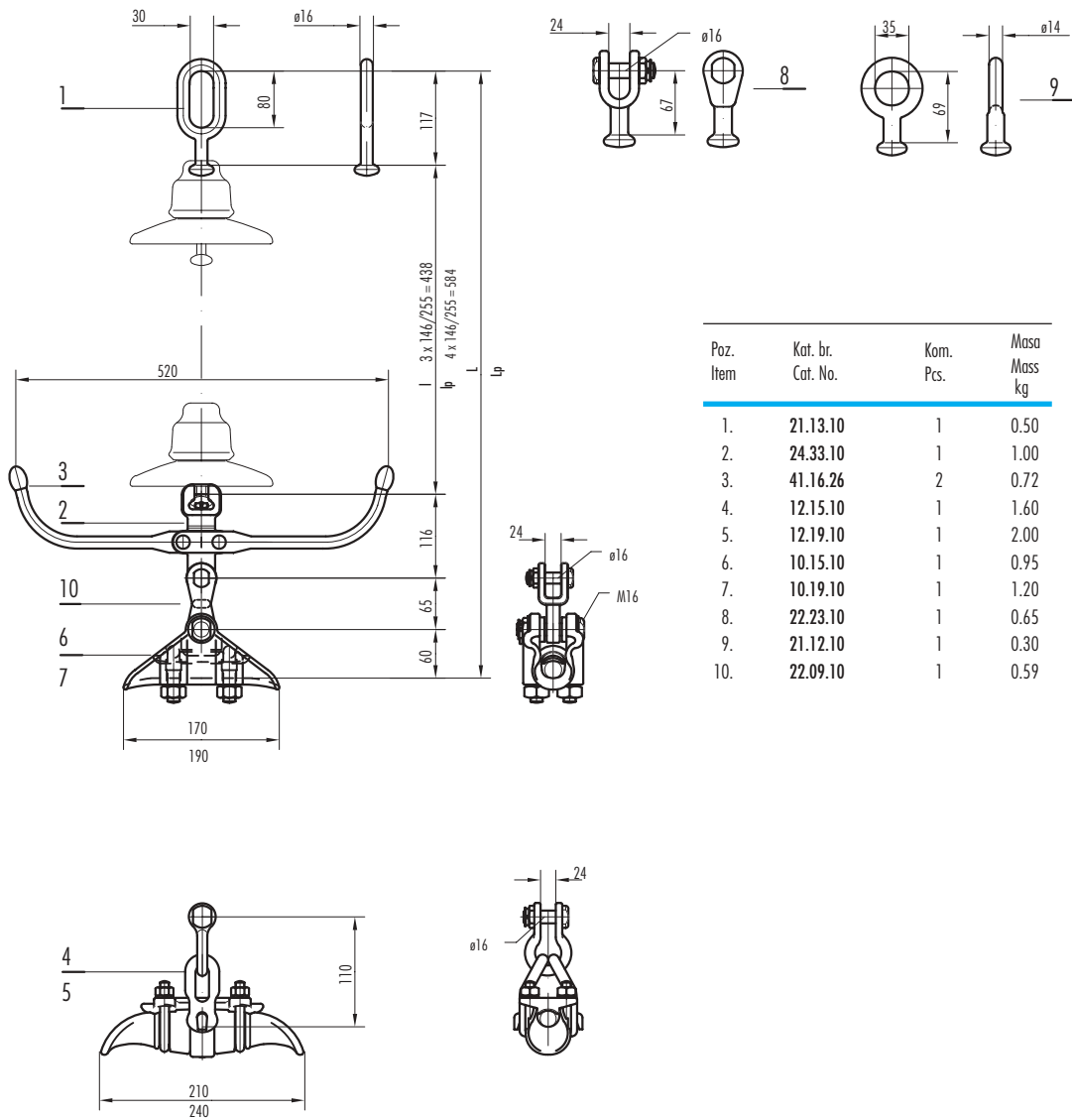
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

80 kN, zglobna veza 16, IEC 120
SINGLE SUSPENSION STRING
with cap and pin insulators

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

80 kN, standard coupling 16, IEC 120


INSULATOR STRINGS FOR 35 kV

**DVOSTRUKI NOSNI LANAC
sa kapastim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

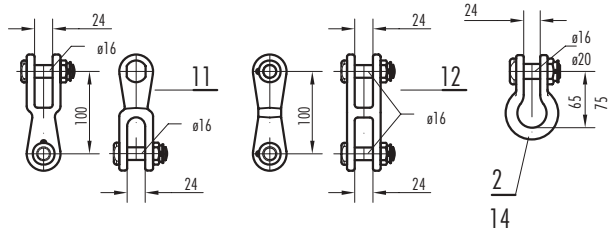
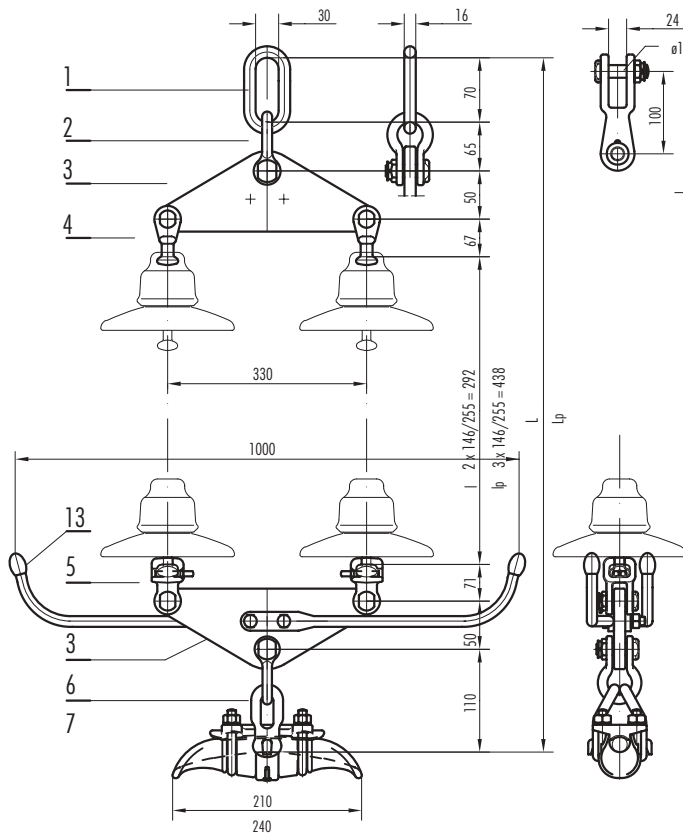
120 kN, zglobna veza 16, IEC 120

**DOUBLE SUSPENSION STRING
with cap and pin insulators**

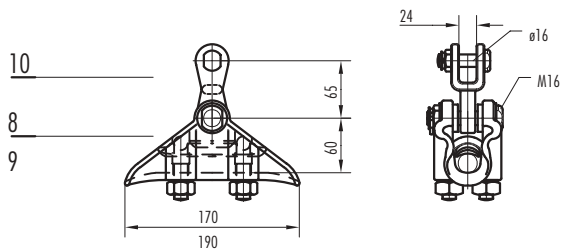
For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.23.10	1	0.40
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	2	0.65
5.	24.60.10	2	1.00
6.	12.15.10	1	1.60
7.	12.19.10	1	2.00
8.	10.15.10	1	0.95
9.	10.19.10	1	1.20
10.	22.09.10	1	0.59
11.	22.99.40	1	1.50
12.	22.84.40	1	1.45
13.	41.17.26	2	1.15
14.	27.10.10	1	0.95



**JEDNOSTRUKI ZATEZNI LANAC
 sa kapastim izolatorima**

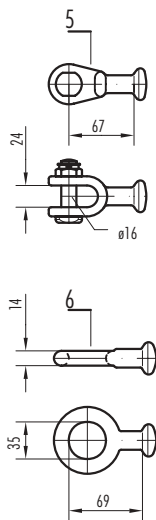
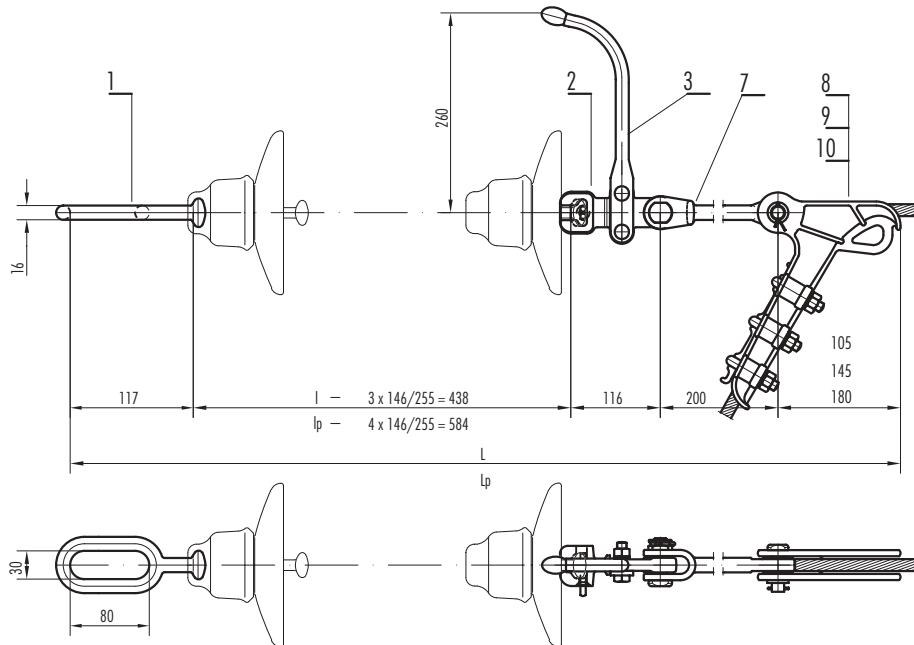
Za Al, Al - legura i Al - Fe vodiče
 Minimalna prekidna sila (bez zatezne stezaljke)

80 kN, zglobna veza 16, IEC 120

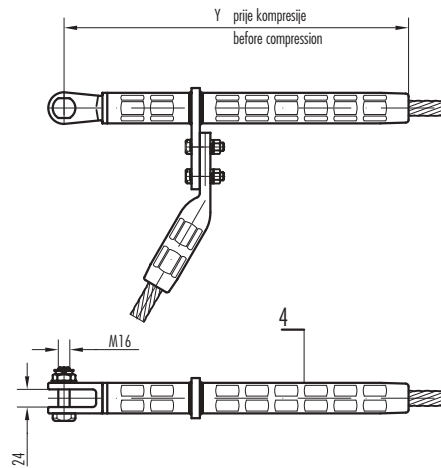
**SINGLE TENSION STRING
 with cap and pin insulators**

For AAC, AAAC and ACSR
 Minimum breaking strength (without tension clamp)

80 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.13.10	1	0.50
2.	24.33.10	1	1.10
3.	41.16.26	1	0.72
4.	50.00.000	1	.
5.	22.23.10	1	0.65
6.	21.13.10	1	0.50
7.	26.26.30	1	0.90
8.	16.12.10	1	0.75
9.	16.15.10	1	1.60
10.	16.19.10	1	3.30



INSULATOR STRINGS FOR 35 kV

**DVOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

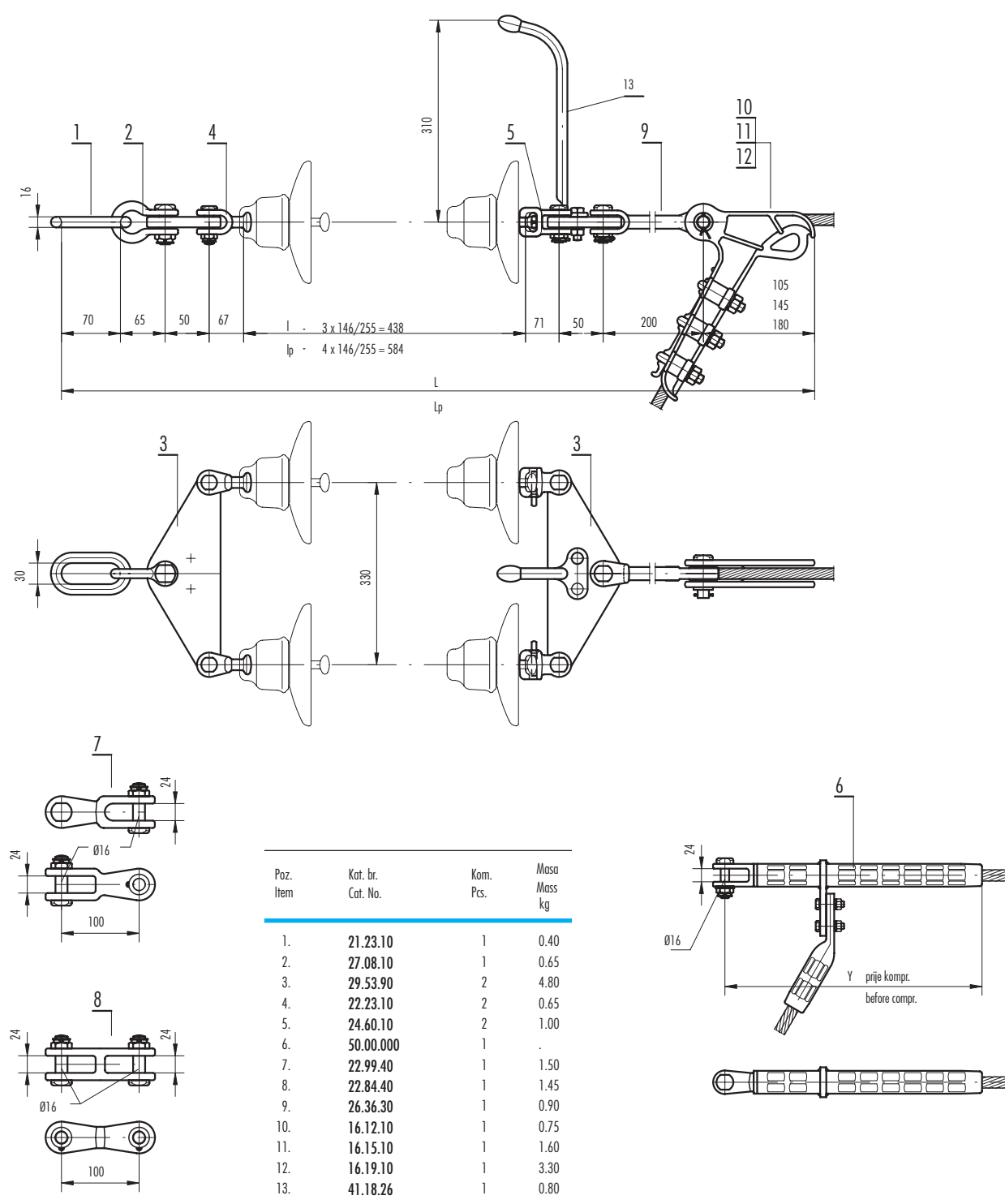
120 kN, zglobna veza 16, IEC 120

**DOUBLE TENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

120 kN, standard coupling 16, IEC 120

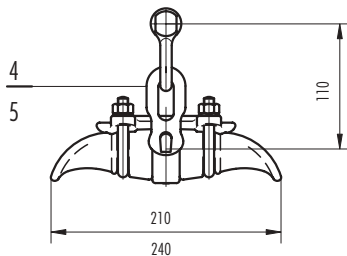
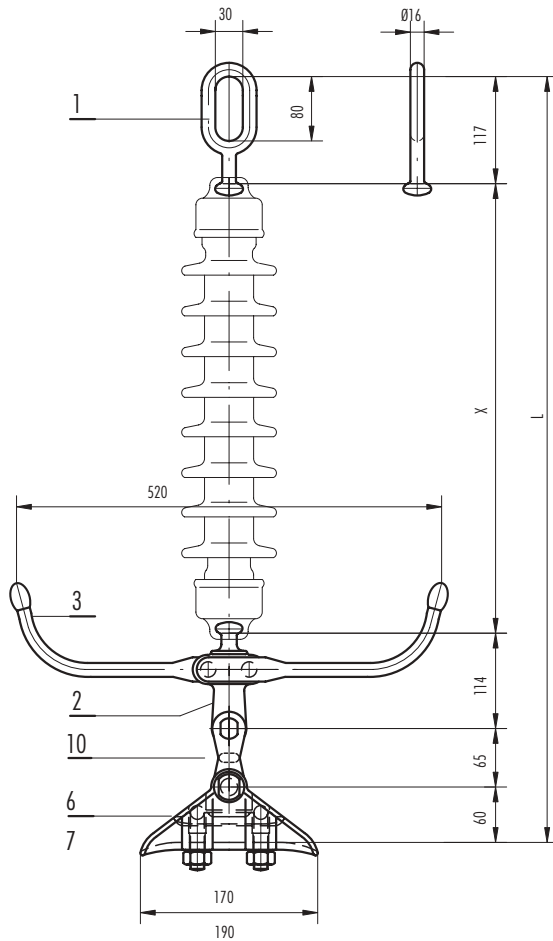


Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.23.10	1	0.40
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	2	0.65
5.	24.60.10	2	1.00
6.	50.00.000	1	.
7.	22.99.40	1	1.50
8.	22.84.40	1	1.45
9.	26.36.30	1	0.90
10.	16.12.10	1	0.75
11.	16.15.10	1	1.60
12.	16.19.10	1	3.30
13.	41.18.26	1	0.80

**JEDNOSTRUKI NOSNI LANAC
sa štapnim izolatorom**

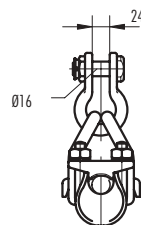
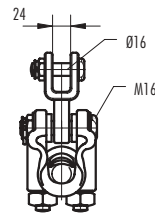
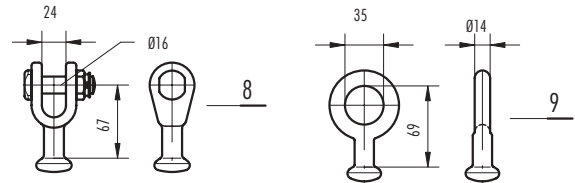
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

80 kN, zglobna veza 16, IEC 120

**SINGLE SUSPENSION STRING
with rod insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

80 kN, standard coupling 16, IEC 120


Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.13.10	1	0.50
2.	23.56.20	1	0.75
3.	41.16.26	2	0.72
4.	12.15.10	1	1.60
5.	12.19.10	1	2.00
6.	10.15.10	1	0.95
7.	10.19.10	1	1.20
8.	22.23.10	1	0.65
9.	21.12.10	1	0.30
10.	22.09.10	1	0.59

INSULATOR STRINGS FOR 35 kV

**DVOSTRUKI NOSNI LANAC
sa štapnim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

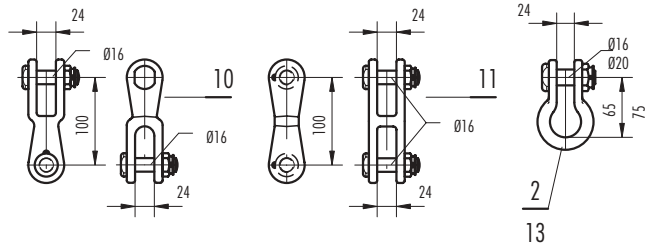
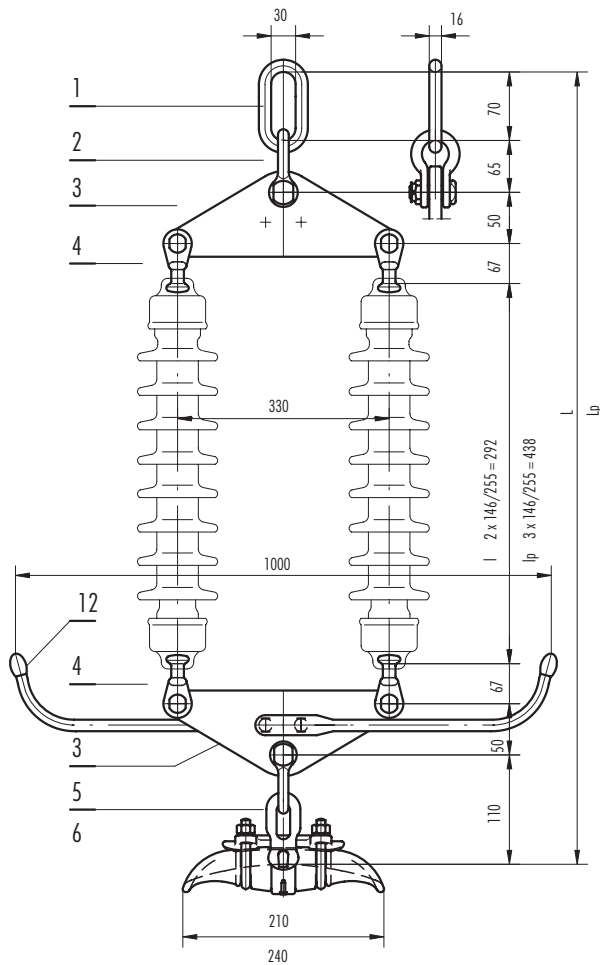
120 kN, zglobna veza 16, IEC 120

**DOUBLE SUSPENSION STRING
with rod insulators**

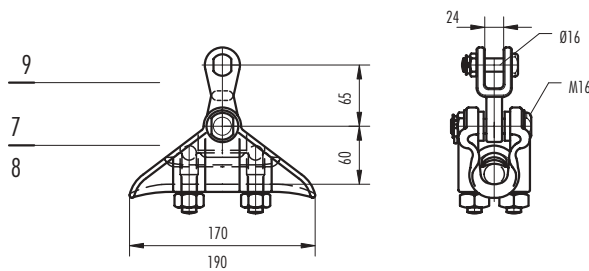
For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.23.10	1	0.40
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	4	0.65
5.	12.15.10	1	1.60
6.	12.19.10	1	2.00
7.	10.15.10	1	0.95
8.	10.19.10	1	1.20
9.	22.09.10	1	0.59
10.	22.99.40	1	1.50
11.	22.84.40	1	1.45
12.	41.17.26	2	1.15
13.	27.10.10	1	0.95



**JEDNOSTRUKI ZATEZNI LANAC
sa štapnim izolatorom**

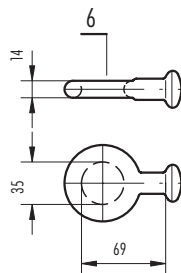
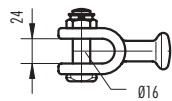
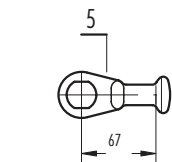
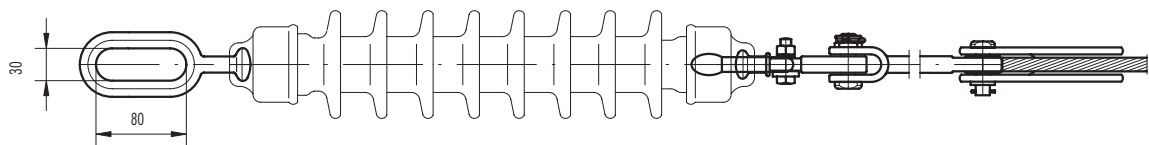
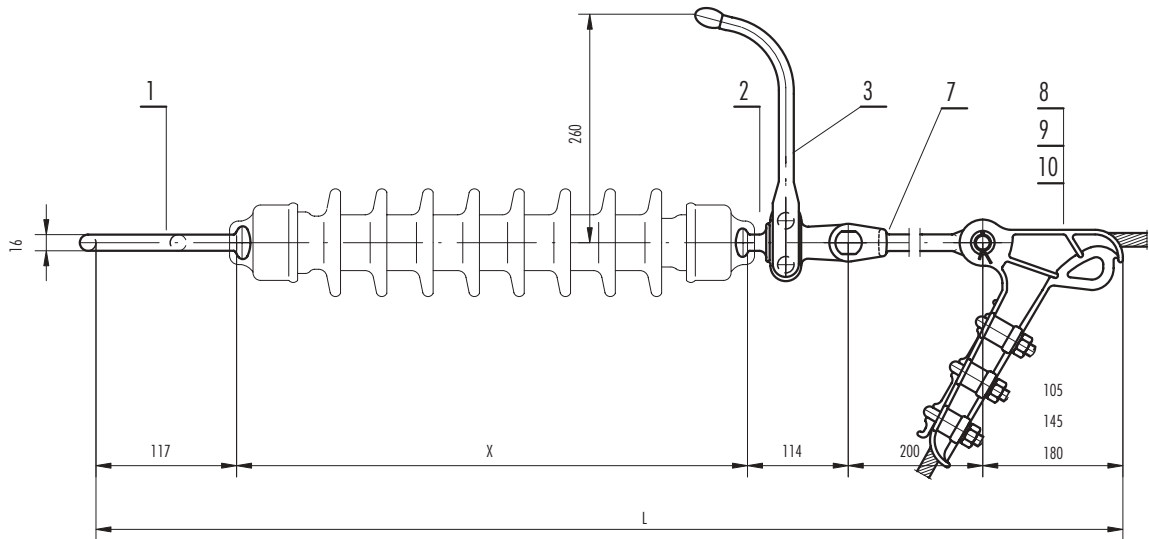
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

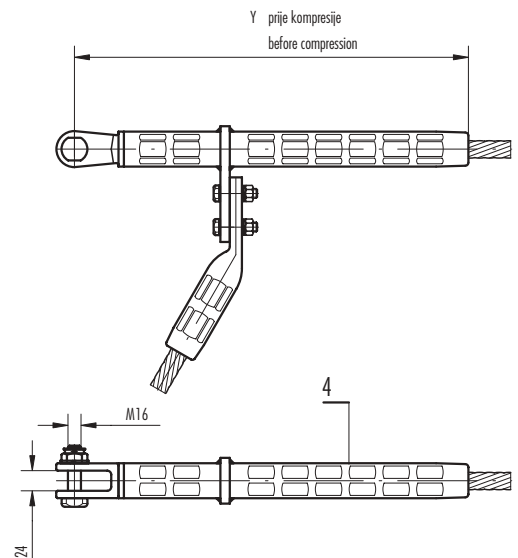
80 kN, zglobna veza 16, IEC 120
**SINGLE TENSION STRING
with rod insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

80 kN, standard coupling 16, IEC 120

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.13.10	1	0.50
2.	23.56.20	1	0.75
3.	41.16.26	1	0.72
4.	50.00.000	1	.
5.	22.23.10	1	0.65
6.	21.13.10	1	0.50
7.	26.26.30	1	0.90
8.	16.12.10	1	0.75
9.	16.15.10	1	1.60
10.	16.19.10	1	3.30



INSULATOR STRINGS FOR 35 kV

**DVOSTRUKI ZATEZNI LANAC
sa štapnim izolatorima**

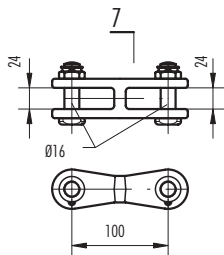
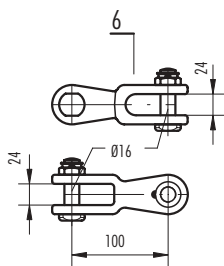
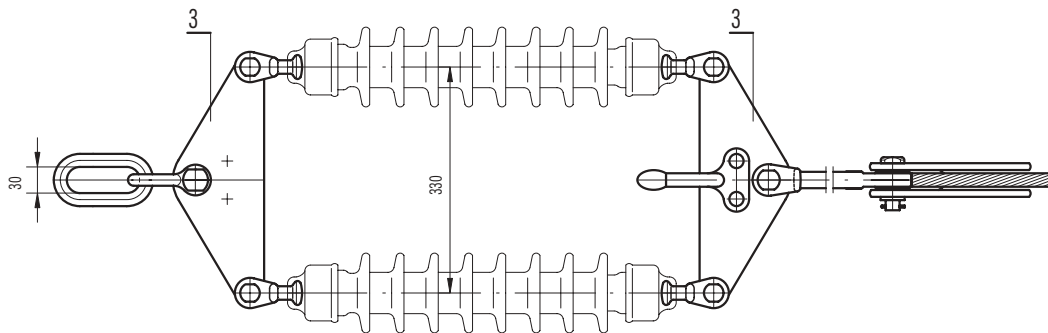
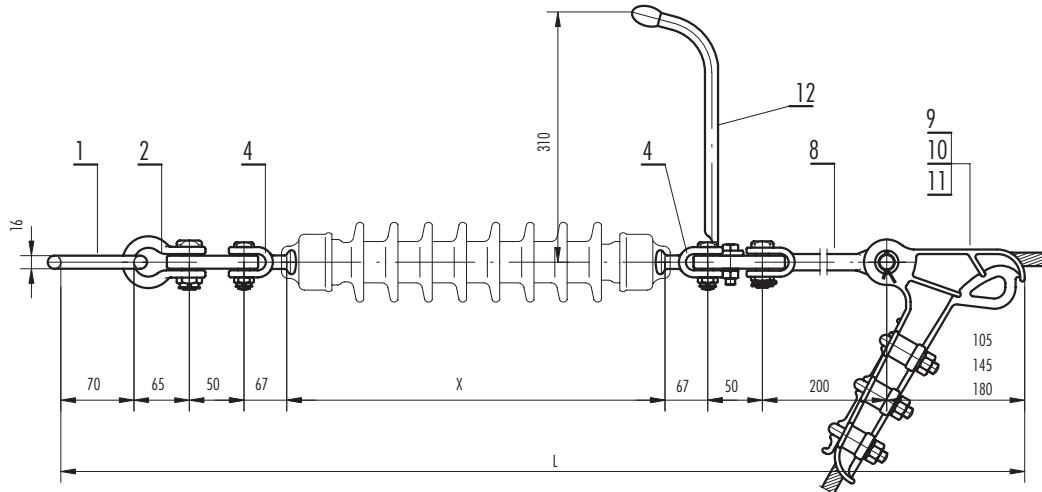
Za Al, Al - legura i Al - Fe vodiče
Minimalna prekidna sila (bez zatezne stezaljke)

120 kN, zglobna veza 16, IEC 120

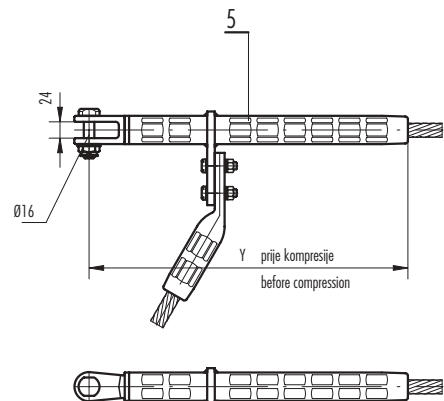
**DOUBLE TENSION STRING
with rod insulators**

For AAC, AAAC and ACSR
Minimum breaking strength (without tension clamp)

120 kN, standard coupling 16, IEC 120



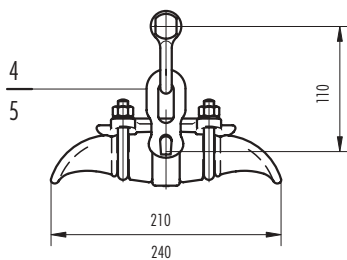
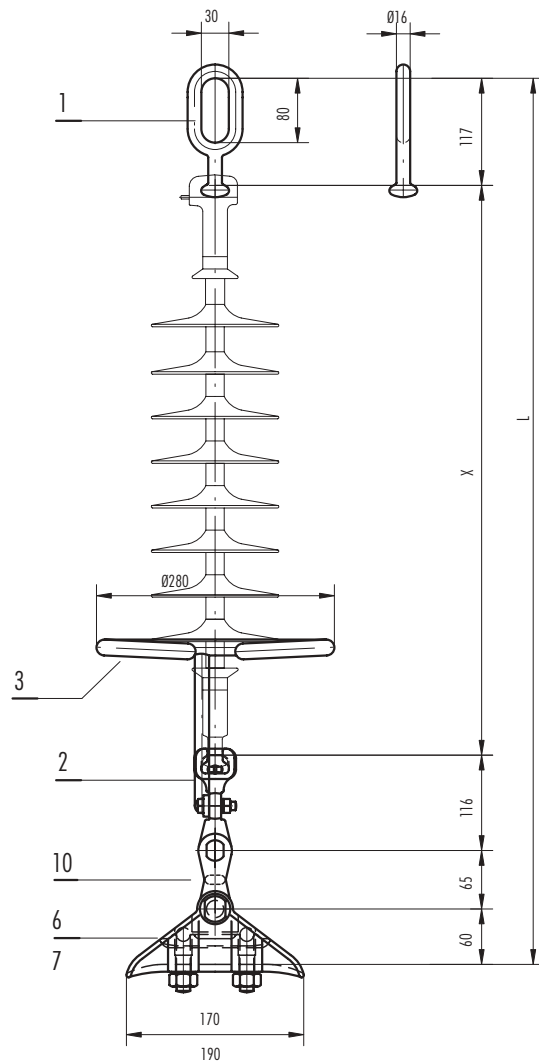
Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.23.10	1	0.40
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	4	0.65
5.	50.00.000	1	.
6.	22.99.40	1	1.50
7.	22.84.40	1	1.45
8.	26.36.30	1	0.90
9.	16.12.10	1	0.75
10.	16.15.10	1	1.60
11.	16.19.10	1	3.30
12.	41.18.26	1	0.80



**JEDNOSTRUKI NOSNI LANAC
sa kompozitnim izolatorom**

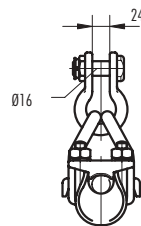
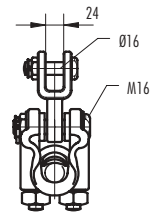
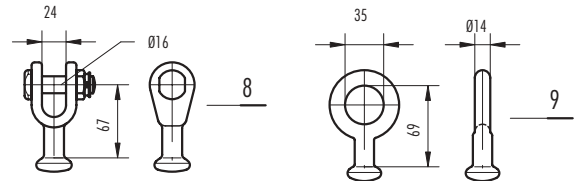
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

80 kN, zglobna veza 16, IEC 120
**SINGLE SUSPENSION STRING
with composite insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

80 kN, standard coupling 16, IEC 120

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.13.10	1	0.50
2.	24.96.10	1	1.05
3.	41.61.20.40	1	2.85
4.	12.15.10	1	1.60
5.	12.19.10	1	2.00
6.	10.15.10	1	0.95
7.	10.19.10	1	1.20
8.	22.23.10	1	0.65
9.	21.12.10	1	0.30
10.	22.09.10	1	0.59

INSULATOR STRINGS FOR 35 kV

**DVOSTRUKI NOSNI LANAC
sa kompozitnim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

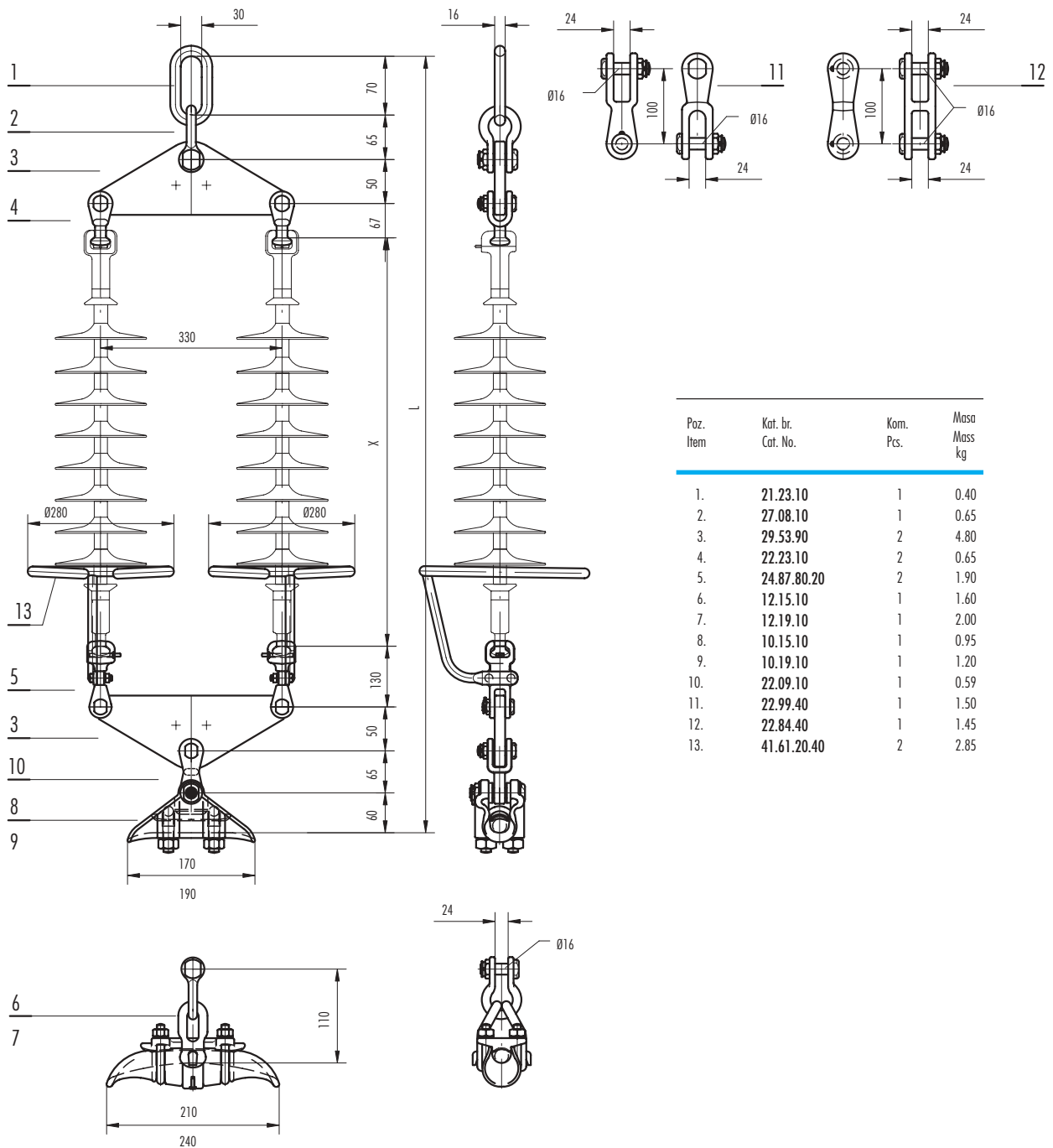
120 kN, zglobna veza 16, IEC 120

**DOUBLE SUSPENSION STRING
with composite insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.23.10	1	0.40
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	2	0.65
5.	24.87.80.20	2	1.90
6.	12.15.10	1	1.60
7.	12.19.10	1	2.00
8.	10.15.10	1	0.95
9.	10.19.10	1	1.20
10.	22.09.10	1	0.59
11.	22.99.40	1	1.50
12.	22.84.40	1	1.45
13.	41.61.20.40	2	2.85

**JEDNOSTRUKI ZATEZNI LANAC
sa kompozitnim izolatorom**

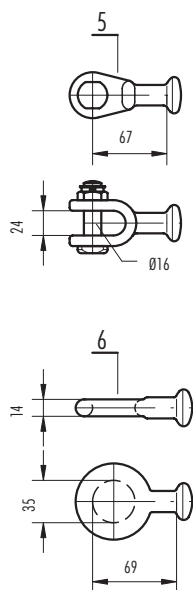
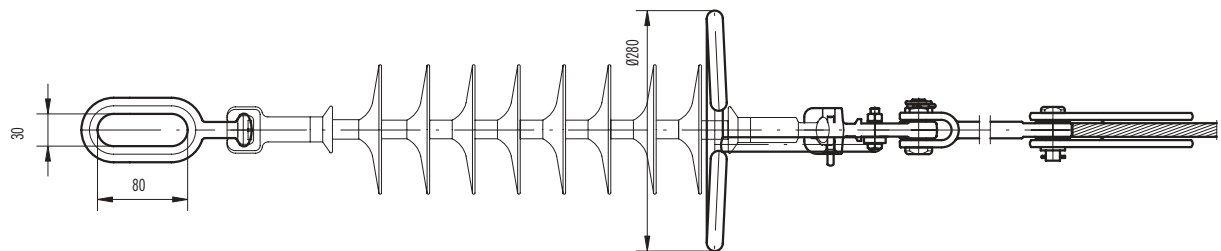
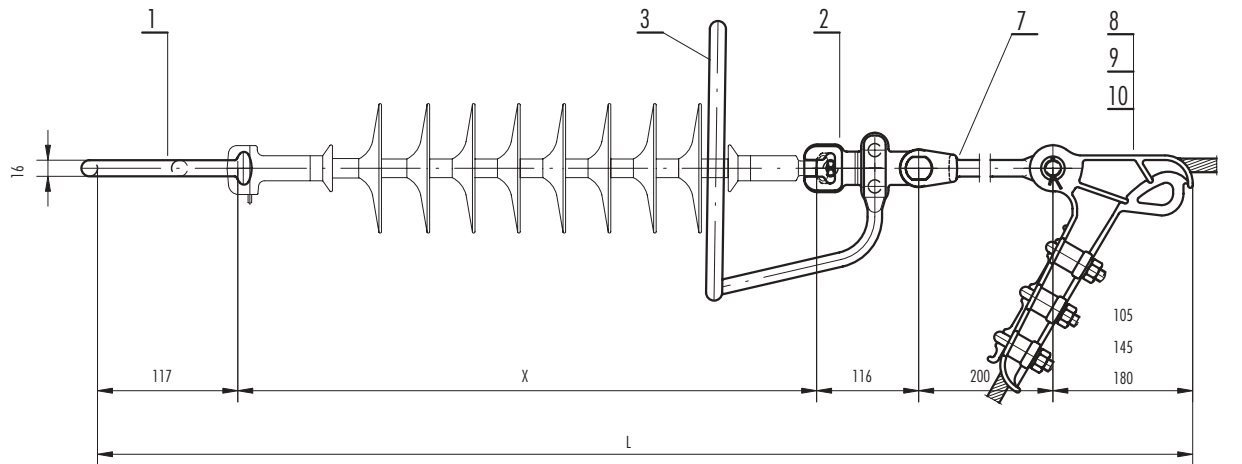
Za Al, Al - legura i Al - Fe vodiče
Minimalna prekidna sila (bez zatezne stezaljke)

80 kN, zglobna veza 16, IEC 120

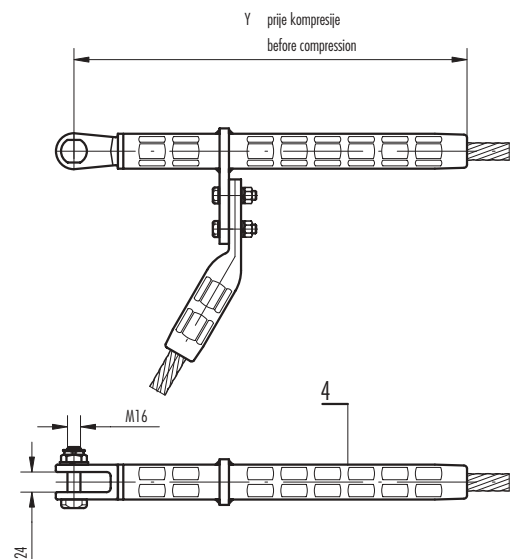
**SINGLE TENSION STRING
with composite insulator**

For AAC, AAAC and ACSR
Minimum breaking strength (without tension clamp)

80 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.13.10	1	0.50
2.	24.33.10	1	1.10
3.	41.61.20.40	1	2.85
4.	50.00.000	1	-
5.	22.23.10	1	0.65
6.	21.13.10	1	0.50
7.	26.26.30	1	0.90
8.	16.12.10	1	0.75
9.	16.15.10	1	1.60
10.	16.19.10	1	3.30



INSULATOR STRINGS FOR 35 kV

DVOSTRUKI ZATEZNI LANAC sa kompozitnim izolatorima

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

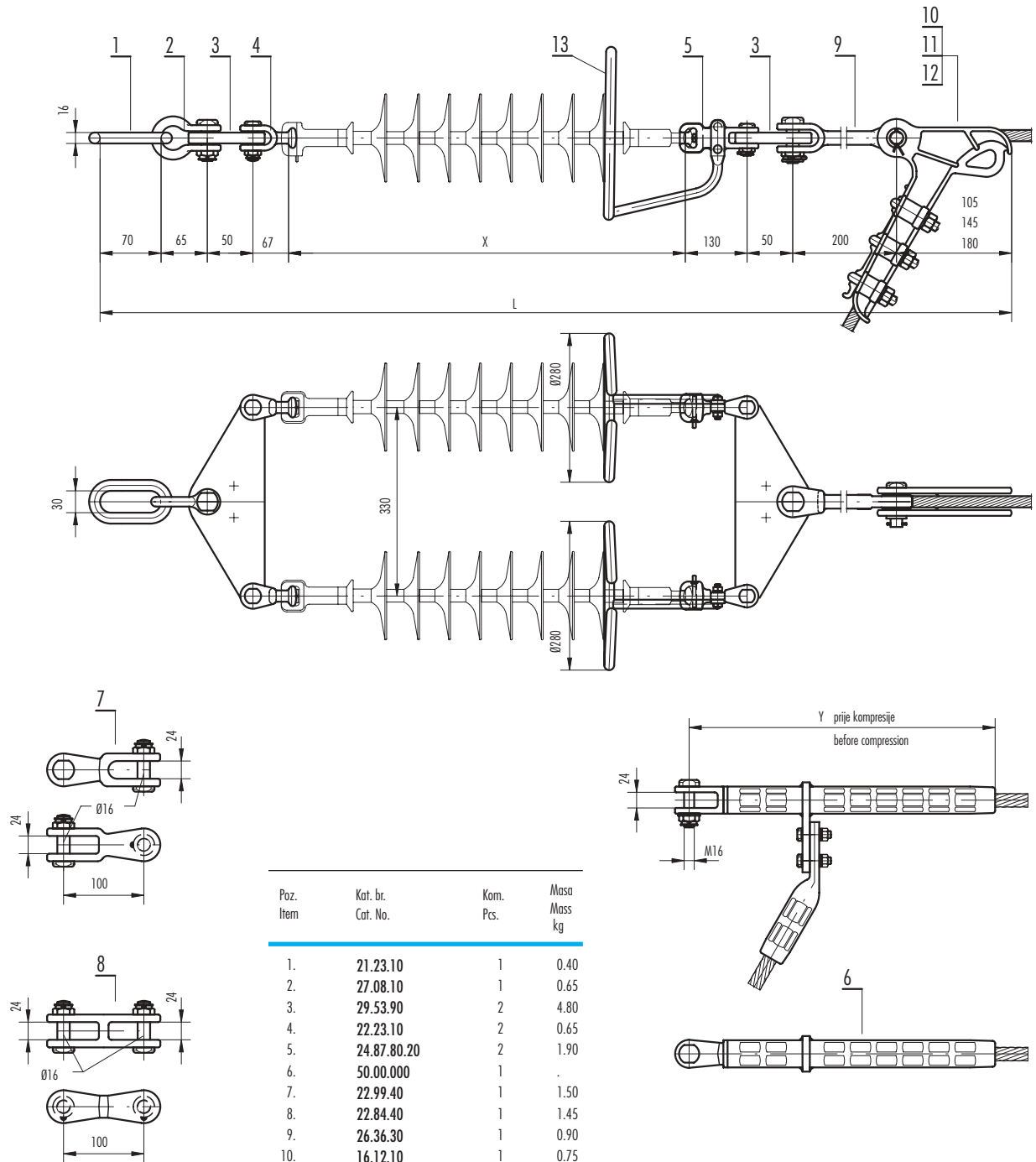
120 kN, zglobna veza 16, IEC 120

DOUBLE TENSION STRING with composite insulators

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

120 kN, standard coupling 16, IEC 120

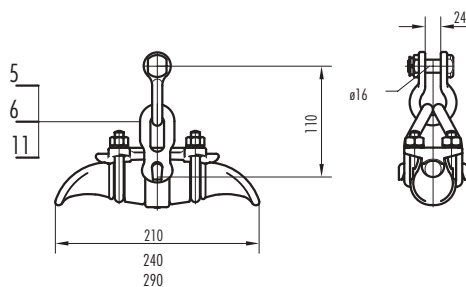
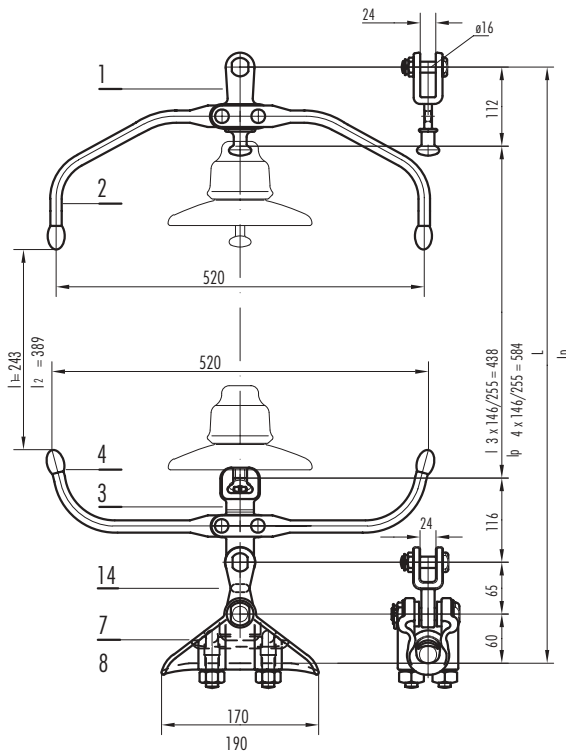


Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.23.10	1	0.40
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	2	0.65
5.	24.87.80.20	2	1.90
6.	50.00.000	1	.
7.	22.99.40	1	1.50
8.	22.84.40	1	1.45
9.	26.36.30	1	0.90
10.	16.12.10	1	0.75
11.	16.15.10	1	1.60
12.	16.19.10	1	3.30
13.	41.61.20.40	2	2.85

**JEDNOSTRUKI NOSNI LANAC
sa kapastim izolatorima**

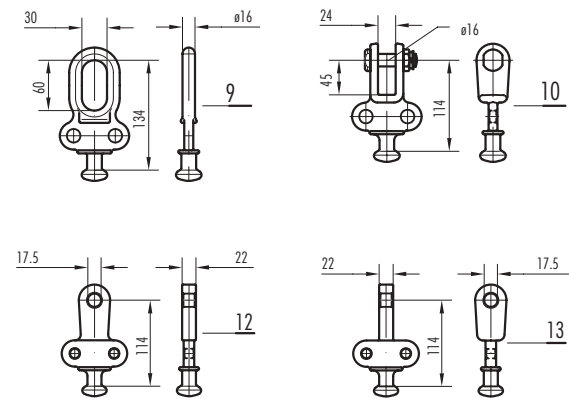
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

80 kN, zglobna veza 16, IEC 120

**SINGLE SUSPENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

80 kN, standard coupling 16, IEC 120


Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.56.20	1	0.80
2.	41.16.25	2	0.84
3.	24.33.10	1	1.00
4.	41.16.26	2	0.72
5.	12.15.10	1	1.60
6.	12.19.10	1	2.00
7.	10.15.10	1	0.95
8.	10.19.10	1	1.20
9.	21.37.50	1	0.68
10.	22.57.20	1	0.80
11.	12.23.10	1	2.35
12.	23.56.20	1	0.75
13.	23.57.20	1	0.65
14.	22.09.10	1	0.59

INSULATOR STRINGS FOR 35 kV

**DVOSTRUKI NOSNI LANAC
sa kapastim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

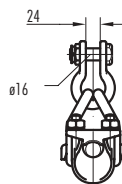
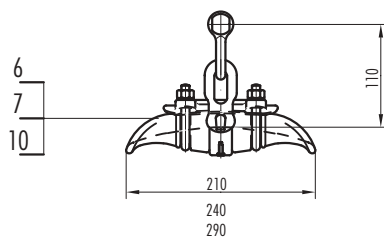
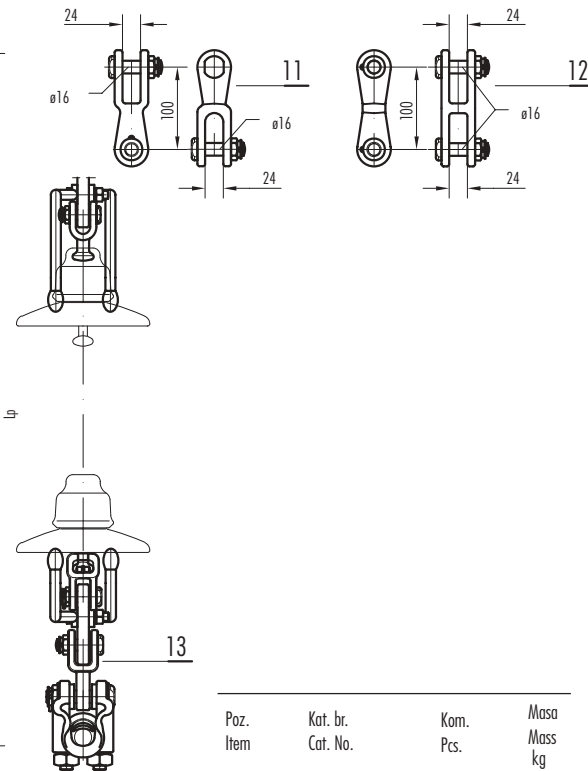
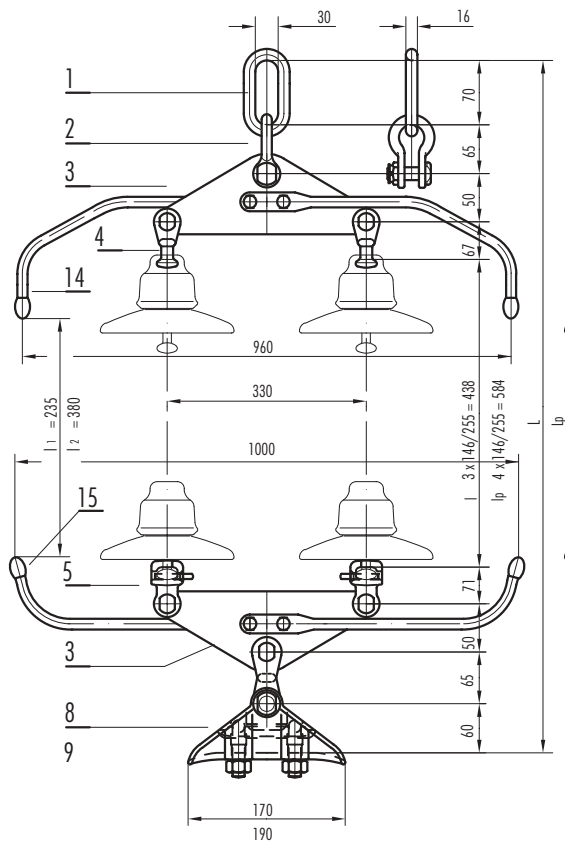
120 kN, zglobna veza 16, IEC 120

**DOUBLE SUSPENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.23.10	1	0.40
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	2	0.65
5.	24.60.10	2	1.00
6.	12.15.10	1	1.60
7.	12.19.10	1	2.00
8.	10.15.10	1	0.95
9.	10.19.10	1	1.20
10.	12.23.10	1	2.35
11.	22.99.40	1	1.50
12.	22.84.40	1	1.45
13.	22.09.10	1	0.59
14.	41.17.25	2	1.10
15.	41.17.26	2	1.15

**JEDNOSTRUKI ZATEZNI LANAC
 sa kapastim izolatorima**

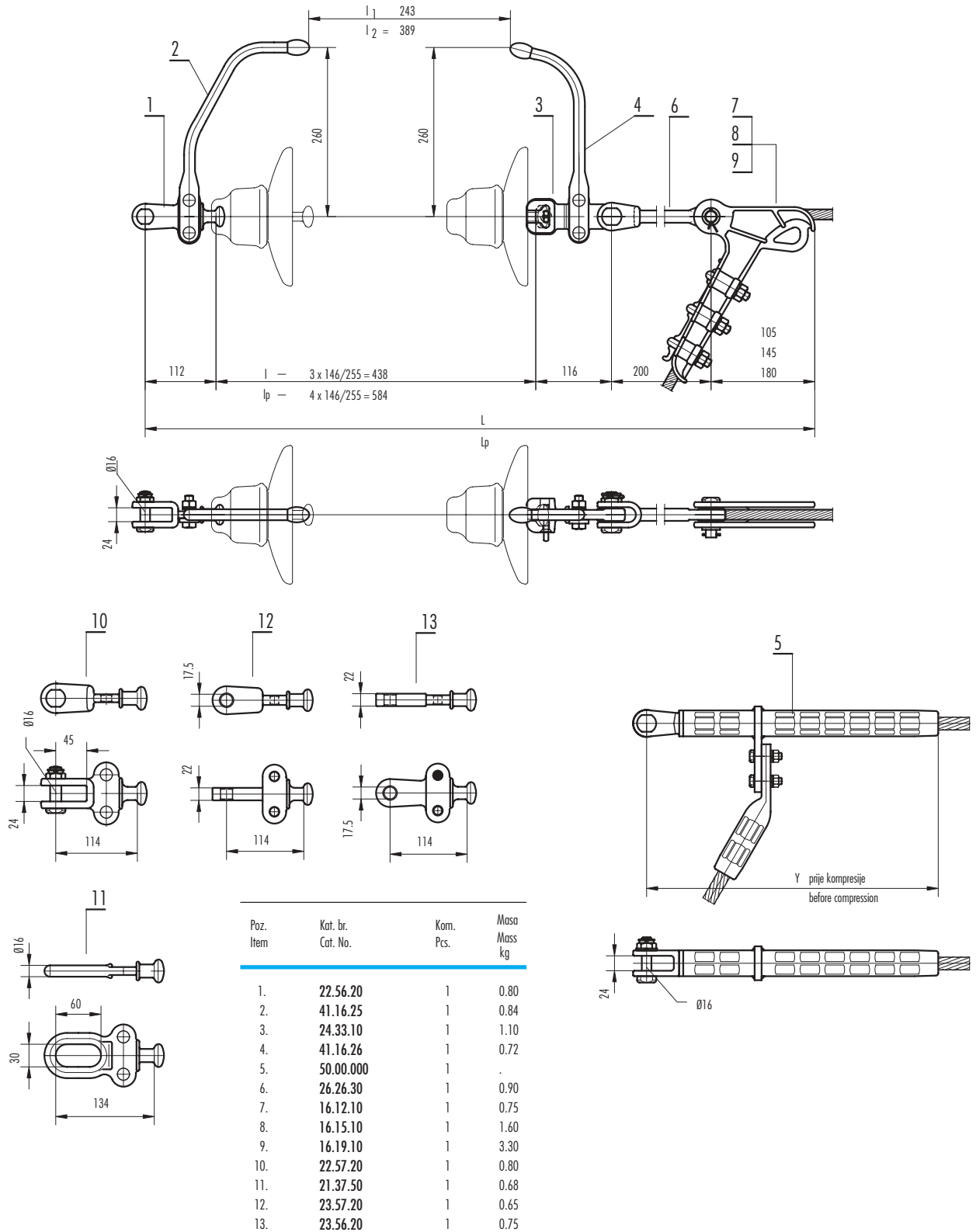
Za Al, Al - legura i Al - Fe vodiče
 Minimalna prekidna sila (bez zatezne stezaljke)

80 kN, zglobna veza 16, IEC 120

**SINGLE TENSION STRING
 with cap and pin insulators**

For AAC, AAAC and ACSR
 Minimum breaking strength (without tension clamp)

80 kN, standard coupling 16, IEC 120



INSULATOR STRINGS FOR 35 kV

**DVOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

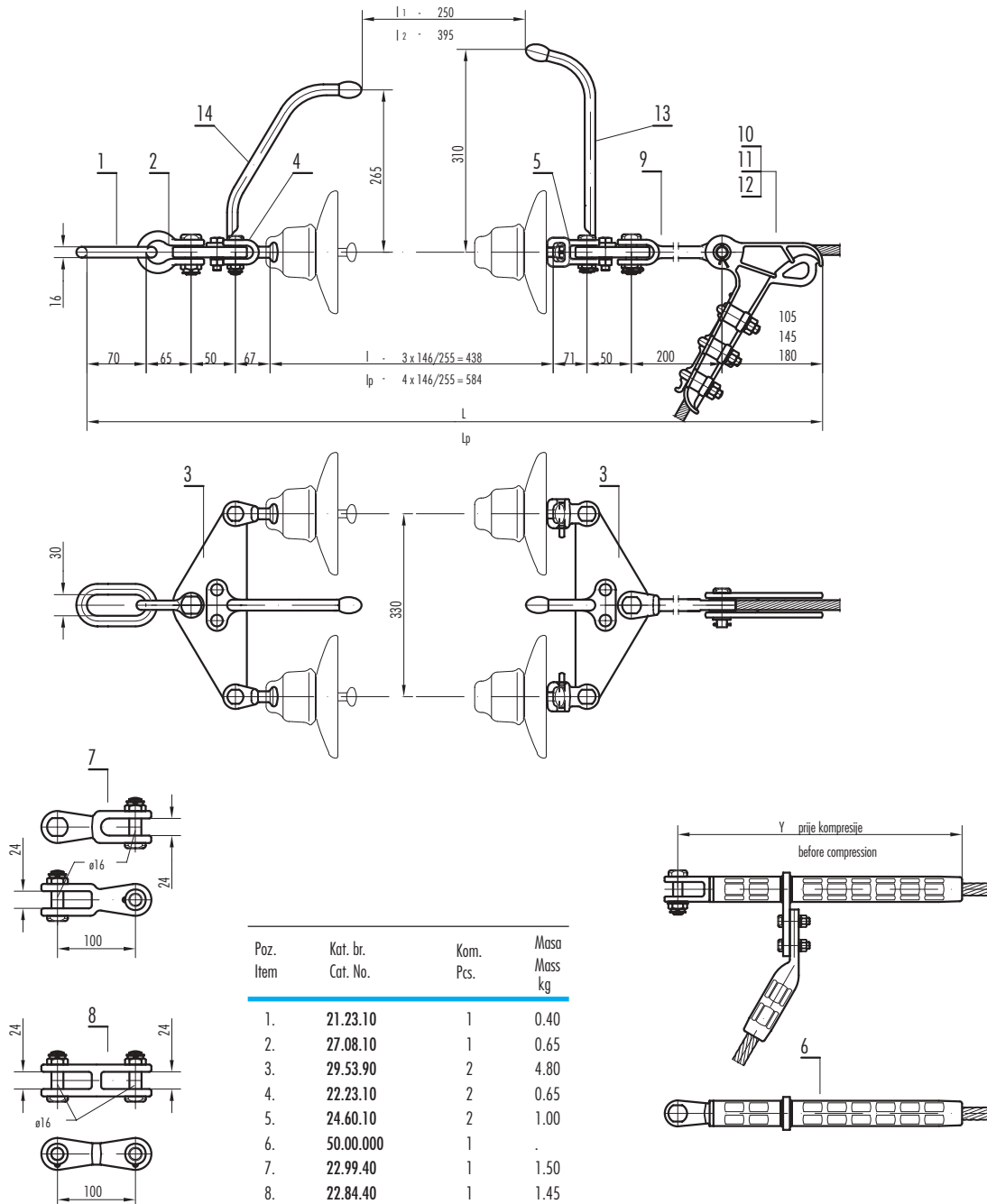
120 kN, zglobna veza 16, IEC 120

**DOUBLE TENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.23.10	1	0.40
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	2	0.65
5.	24.60.10	2	1.00
6.	50.00.000	1	.
7.	22.99.40	1	1.50
8.	22.84.40	1	1.45
9.	26.36.30	1	0.90
10.	16.12.10	1	0.75
11.	16.15.10	1	1.60
12.	16.19.10	1	3.30
13.	41.18.26	1	0.80
14.	41.18.25	1	0.92

**JEDNOSTRUKI NOSNI LANAC
sa štapnim izolatorom**

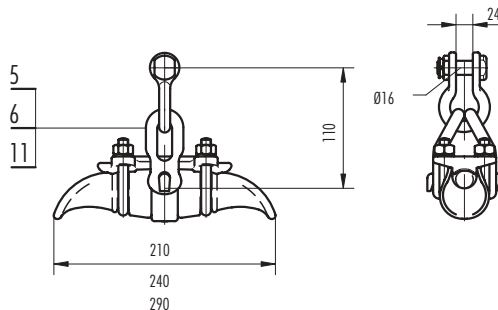
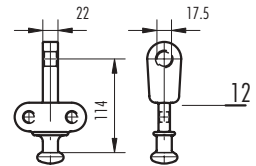
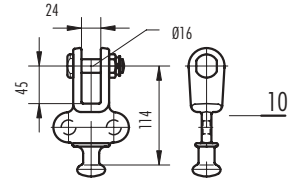
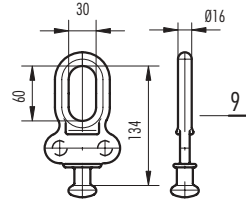
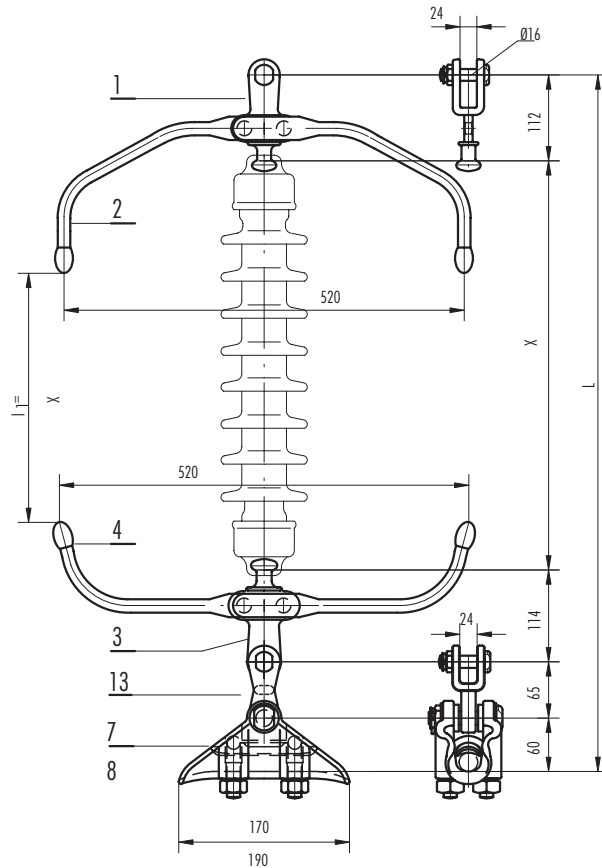
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

80 kN, zglobna veza 16, IEC 120
**SINGLE SUSPENSION STRING
with rod insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

80 kN, standard coupling 16, IEC 120

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.56.20	1	0.80
2.	41.16.25	2	0.84
3.	23.56.20	1	0.75
4.	41.16.26	2	0.72
5.	12.15.10	1	1.60
6.	12.19.10	1	2.00
7.	10.15.10	1	0.95
8.	10.19.10	1	1.20
9.	21.37.50	1	0.68
10.	22.57.20	1	0.80
11.	12.23.10	1	2.35
12.	23.57.20	1	0.65
13.	22.09.10	1	0.59

INSULATOR STRINGS FOR 35 kV

**DVOSTRUKI NOSNI LANAC
sa štapnim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

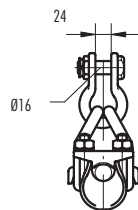
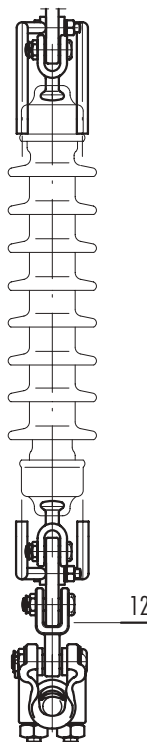
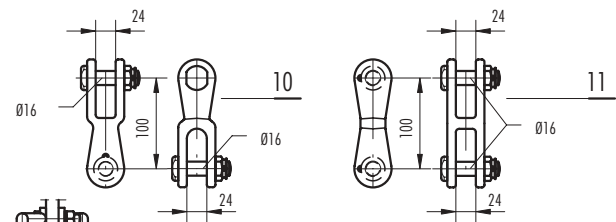
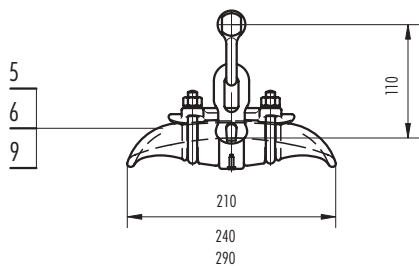
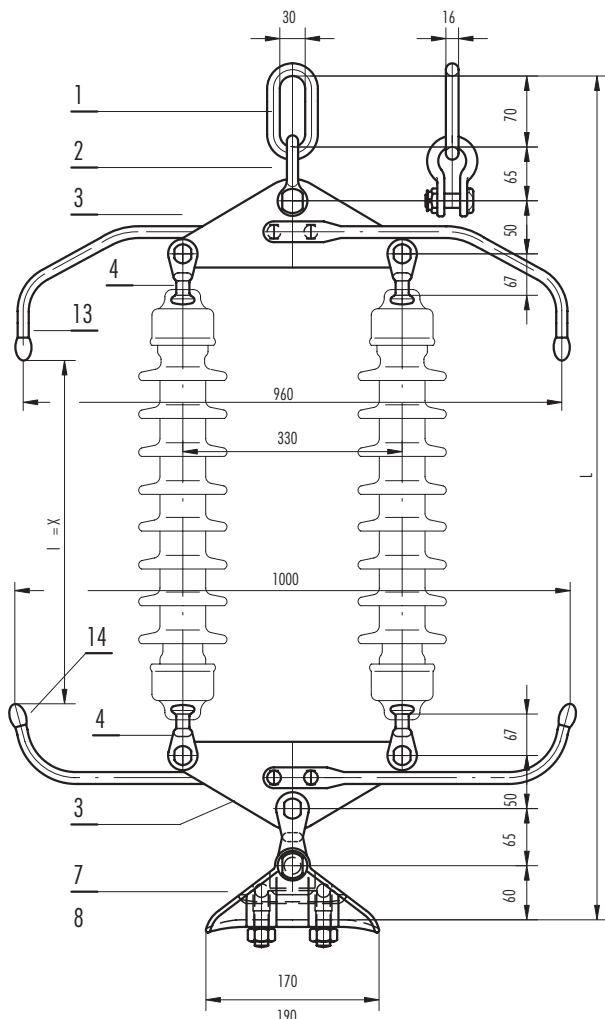
120 kN, zglobna veza 16, IEC 120

**DOUBLE SUSPENSION STRING
with rod insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.23.10	1	0.40
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	4	0.65
5.	12.15.10	1	1.60
6.	12.19.10	1	2.00
7.	10.15.10	1	0.95
8.	10.19.10	1	1.20
9.	12.23.10	1	2.35
10.	22.99.40	1	1.50
11.	22.84.40	1	1.45
12.	22.09.10	1	0.59
13.	41.17.25	2	1.10
14.	41.17.26	2	1.15

**JEDNOSTRUKI ZATEZNI LANAC
sa štapnim izolatorom**

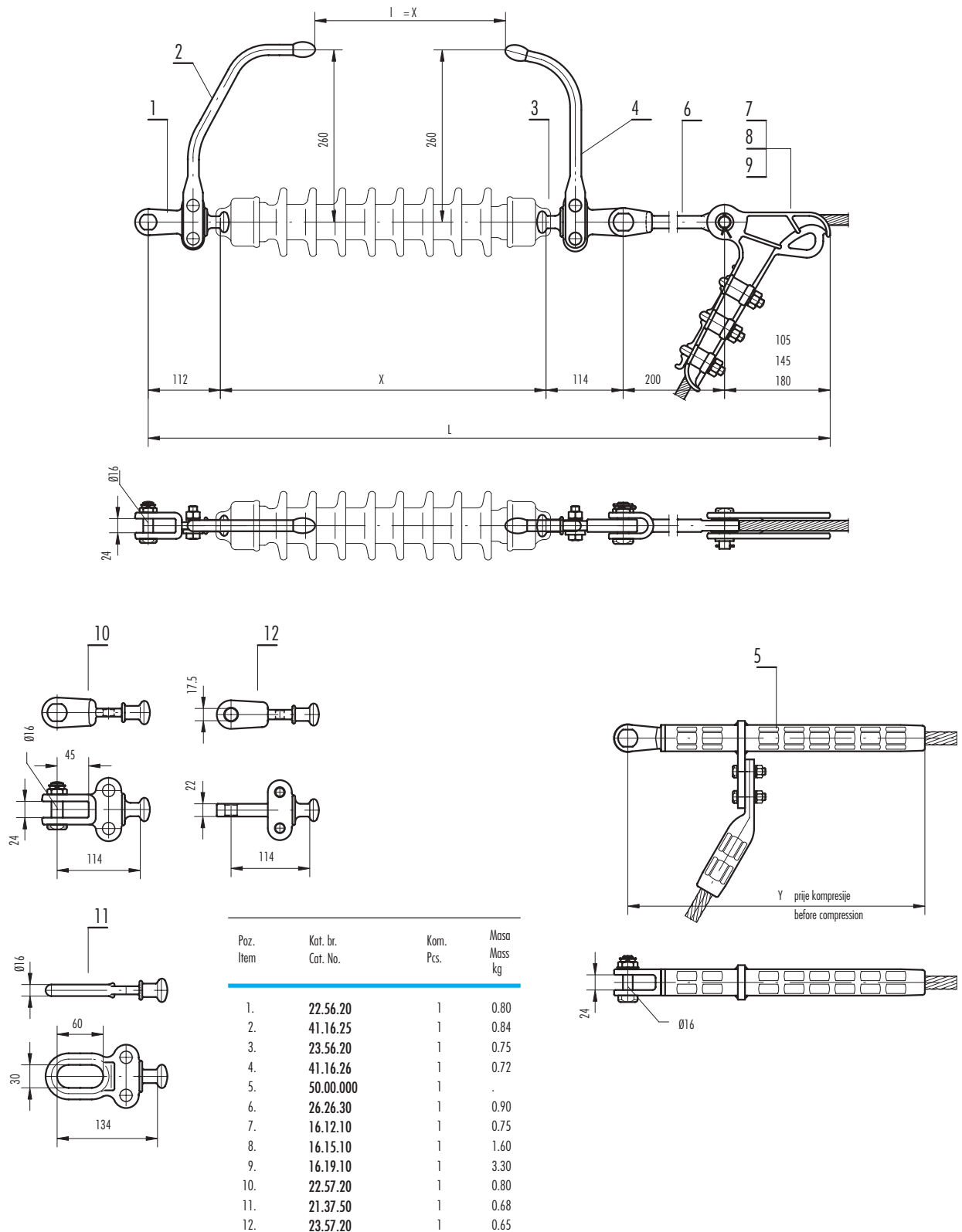
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

80 kN, zglobna veza 16, IEC 120**SINGLE TENSION STRING
with rod insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

80 kN, standard coupling 16, IEC 120

INSULATOR STRINGS FOR 35 kV

**DVOSTRUKI ZATEZNI LANAC
sa štapnim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

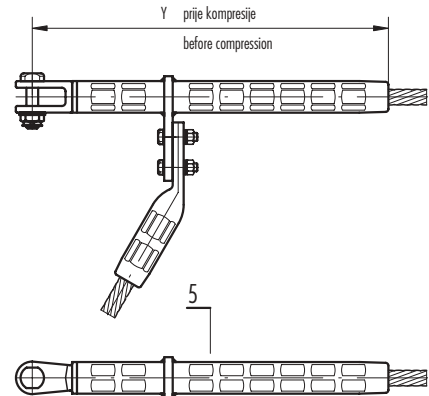
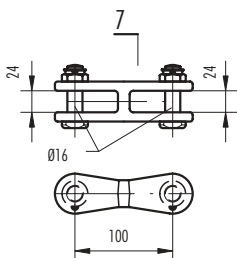
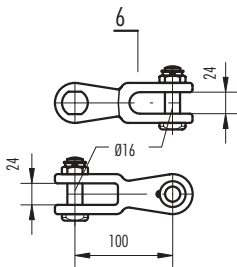
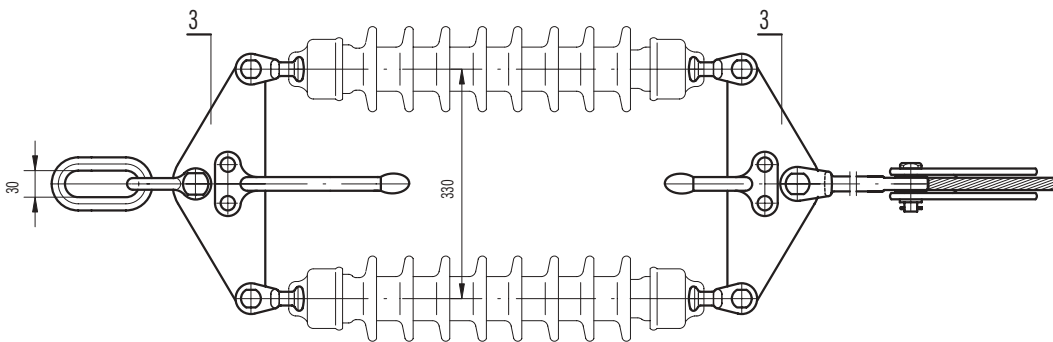
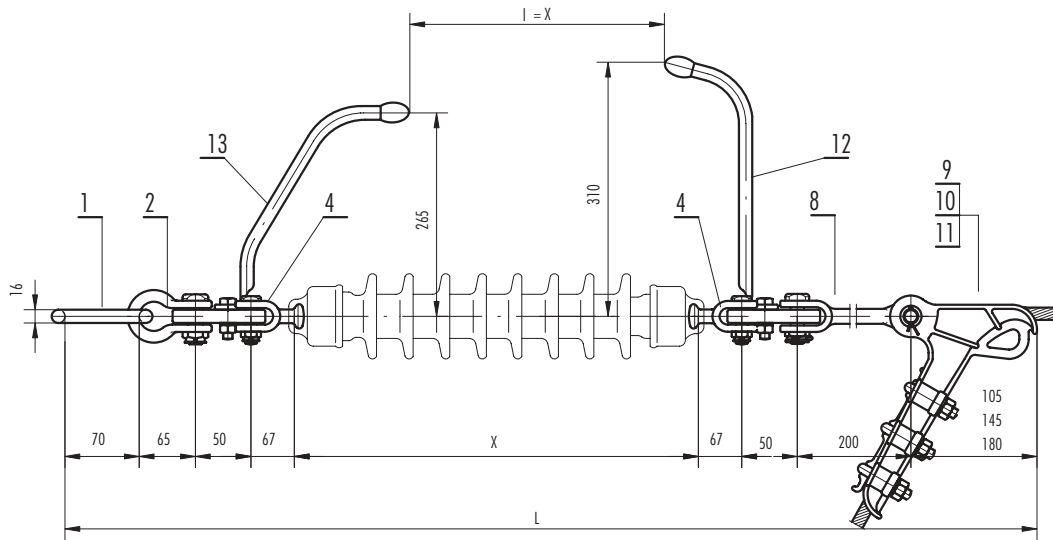
120 kN, zglobna veza 16, IEC 120

**DOUBLE TENSION STRING
with rod insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

120 kN, standard coupling 16, IEC 120

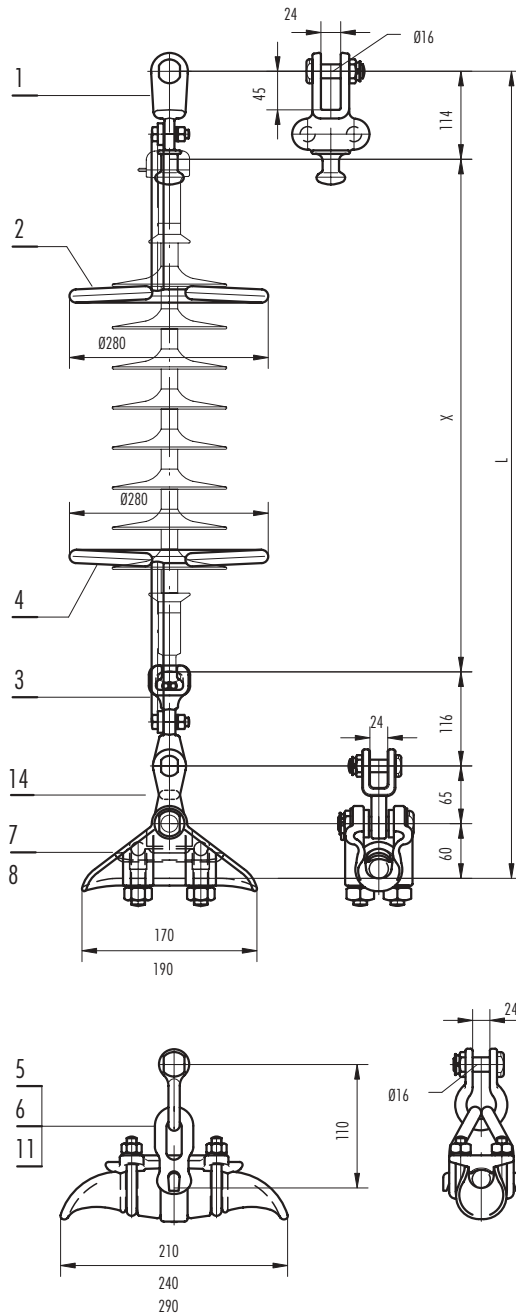


Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.23.10	1	0.40
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	4	0.65
5.	50.00.000	1	.
6.	22.99.40	1	1.50
7.	22.84.40	1	1.45
8.	26.36.30	1	0.90
9.	16.12.10	1	0.75
10.	16.15.10	1	1.60
11.	16.19.10	1	3.30
12.	41.18.26	1	0.80
13.	41.18.25	1	0.92

**JEDNOSTRUKI NOSNI LANAC
sa kompozitnim izolatorom**

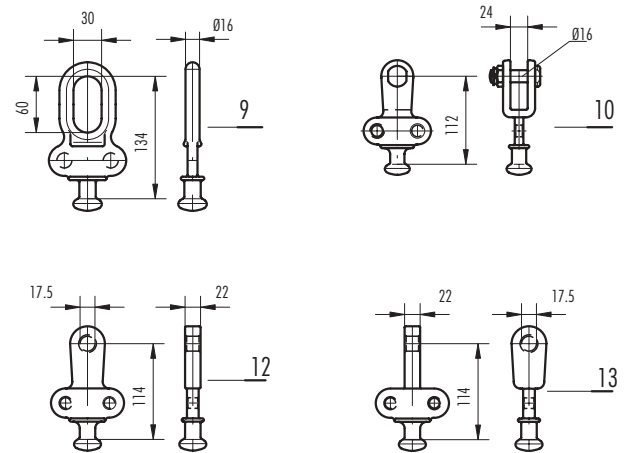
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

80 kN, zglobna veza 16, IEC 120

**SINGLE SUSPENSION STRING
with composite insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

80 kN, standard coupling 16, IEC 120


Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.57.20	1	0.80
2.	41.61.20.40	1	2.85
3.	24.96.10	1	1.05
4.	41.61.20.40	1	2.85
5.	12.15.10	1	1.60
6.	12.19.10	1	2.00
7.	10.15.10	1	0.95
8.	10.19.10	1	1.20
9.	21.37.50	1	0.68
10.	22.56.20	1	0.80
11.	12.23.10	1	2.35
12.	23.56.20	1	0.75
13.	23.57.20	1	0.65
14.	22.09.10	1	0.59

INSULATOR STRINGS FOR 35 kV

**DVOSTRUKI NOSNI LANAC
sa kompozitnim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

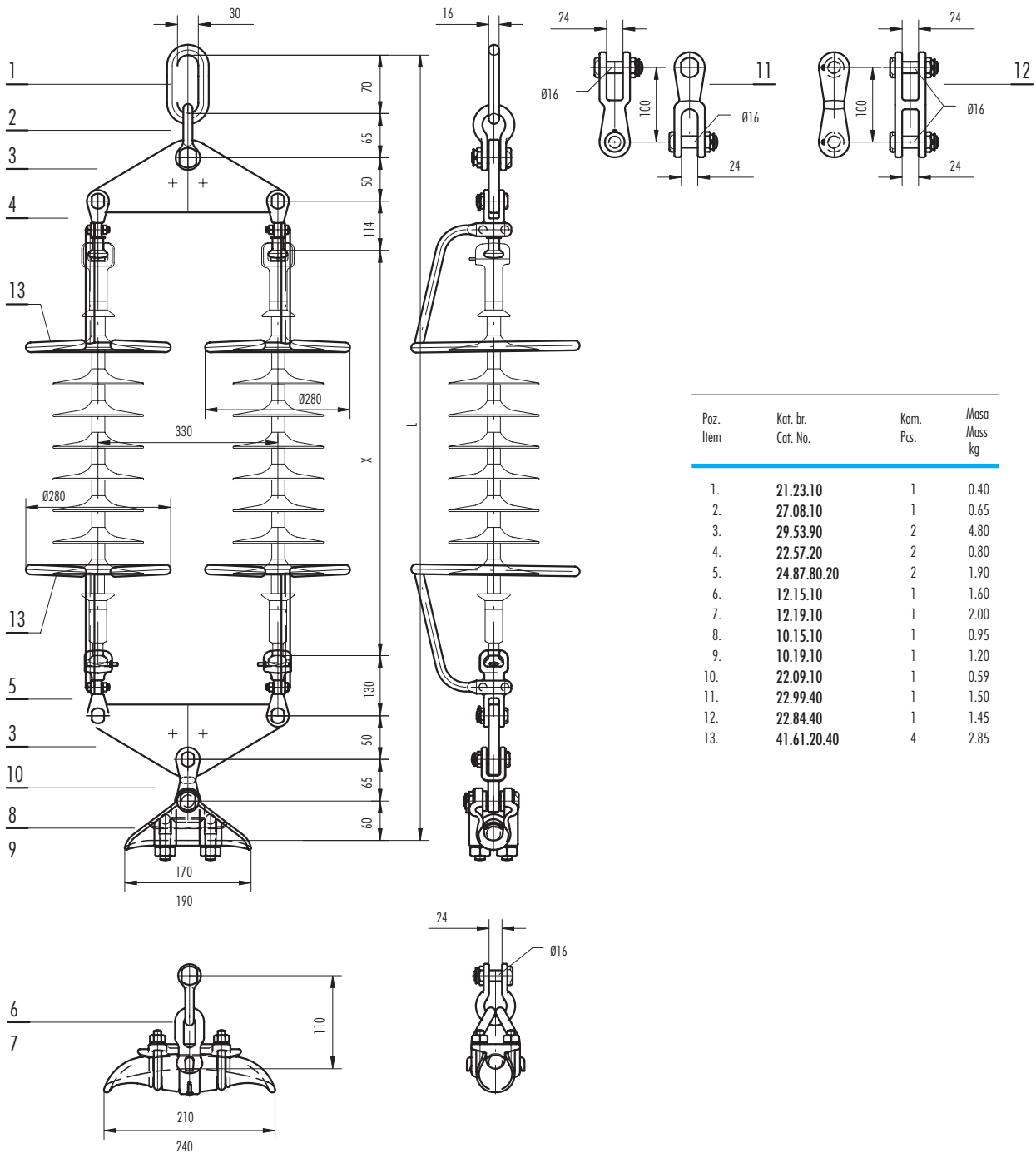
120 kN, zglobna veza 16, IEC 120

**DOUBLE SUSPENSION STRING
with composite insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.23.10	1	0.40
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.57.20	2	0.80
5.	24.87.80.20	2	1.90
6.	12.15.10	1	1.60
7.	12.19.10	1	2.00
8.	10.15.10	1	0.95
9.	10.19.10	1	1.20
10.	22.09.10	1	0.59
11.	22.99.40	1	1.50
12.	22.84.40	1	1.45
13.	41.61.20.40	4	2.85

**JEDNOSTRUKI ZATEZNI LANAC
 sa kompozitnim izolatorom**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

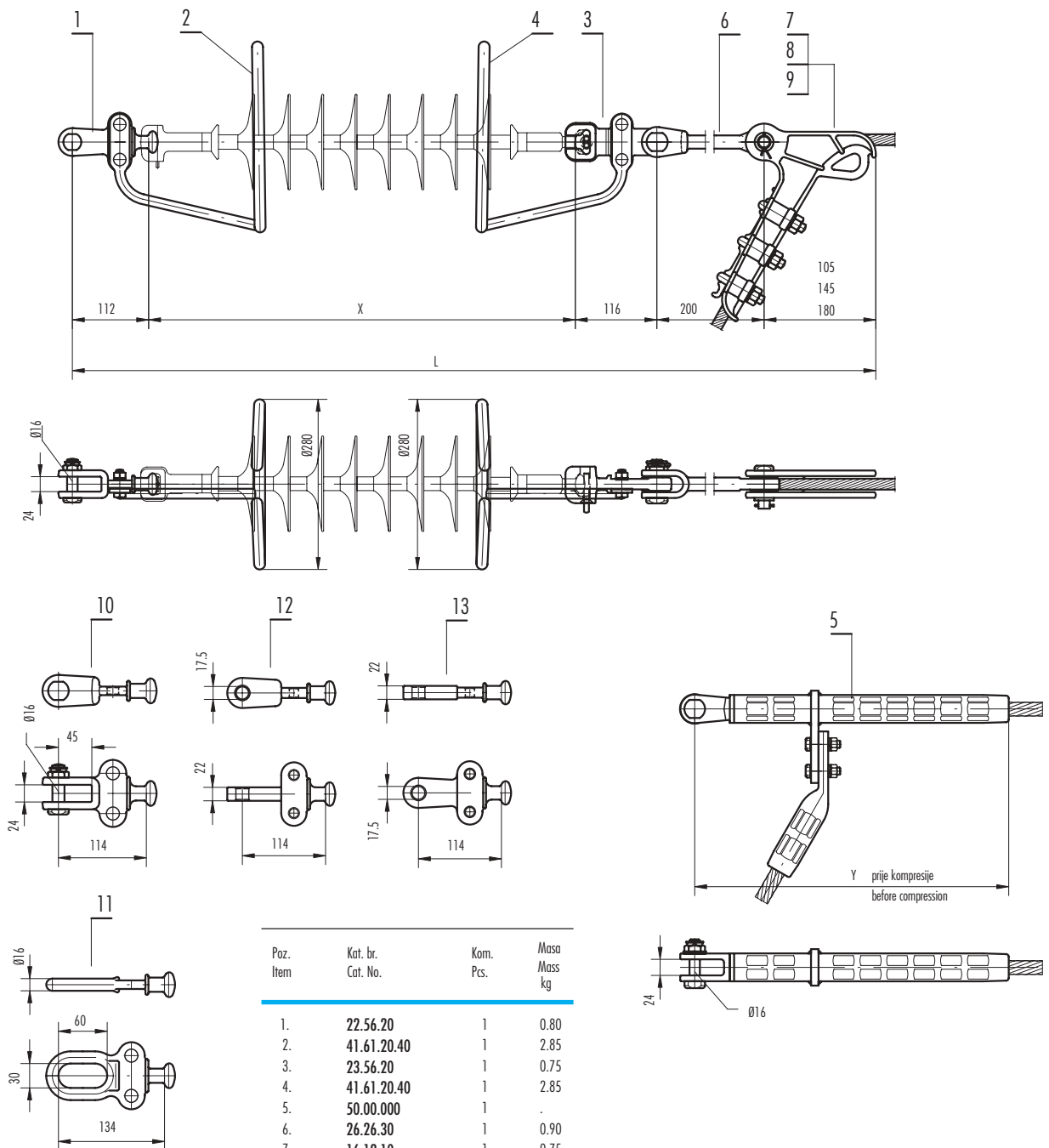
80 kN, zglobna veza 16, IEC 120

**SINGLE TENSION STRING
 with rod insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

80 kN, standard coupling 16, IEC 120



INSULATOR STRINGS FOR 35 kV

**DVOSTRUKI ZATEZNI LANAC
sa kompozitnim izolatorima**

Za Al, Al - legura i Al - Fe vodice

Minimalna prekidna sila (bez zatezne stezaljke)

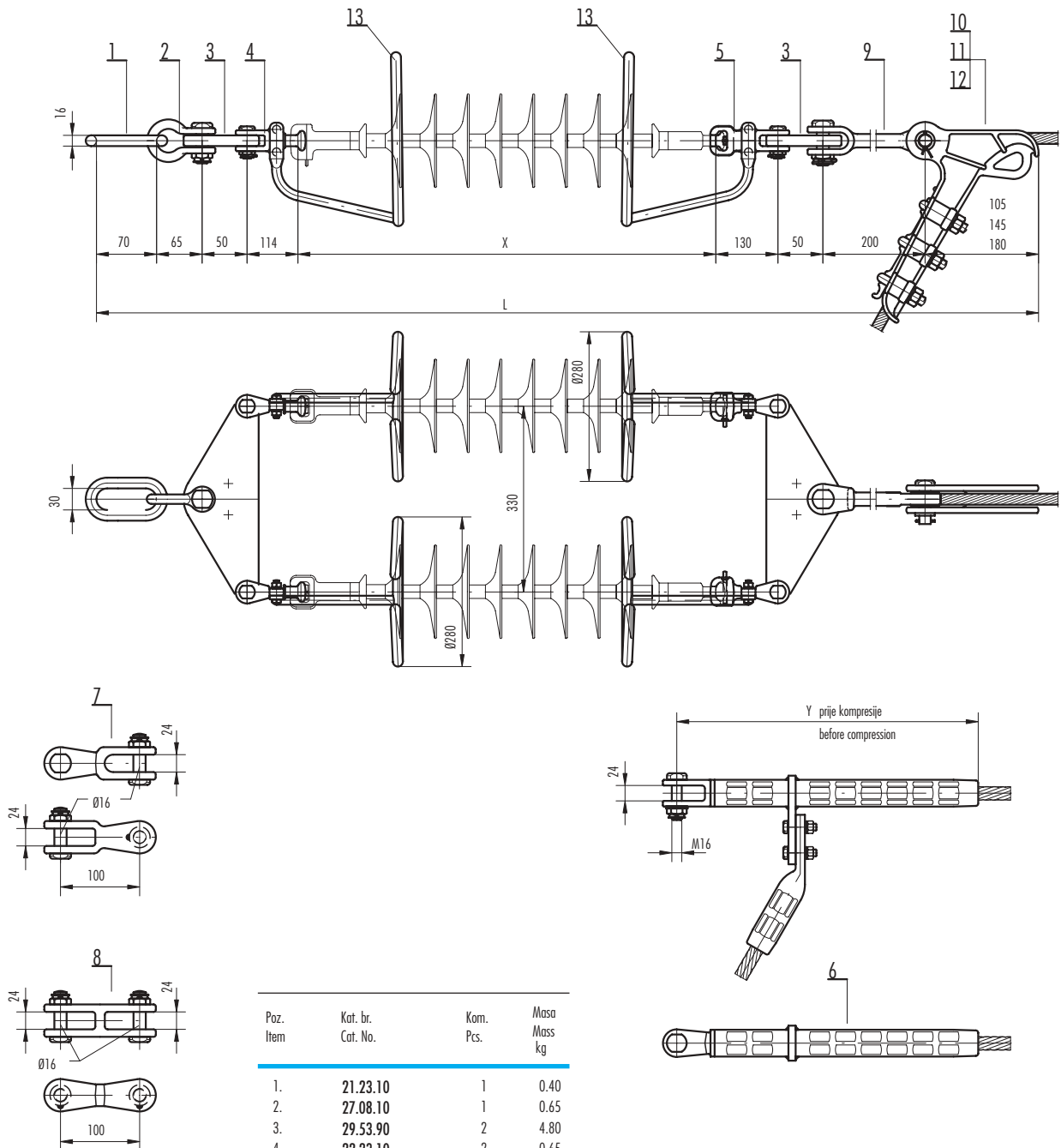
120 kN, zglobna veza 16, IEC 120

**DOUBLE TENSION STRING
with composite insulators**

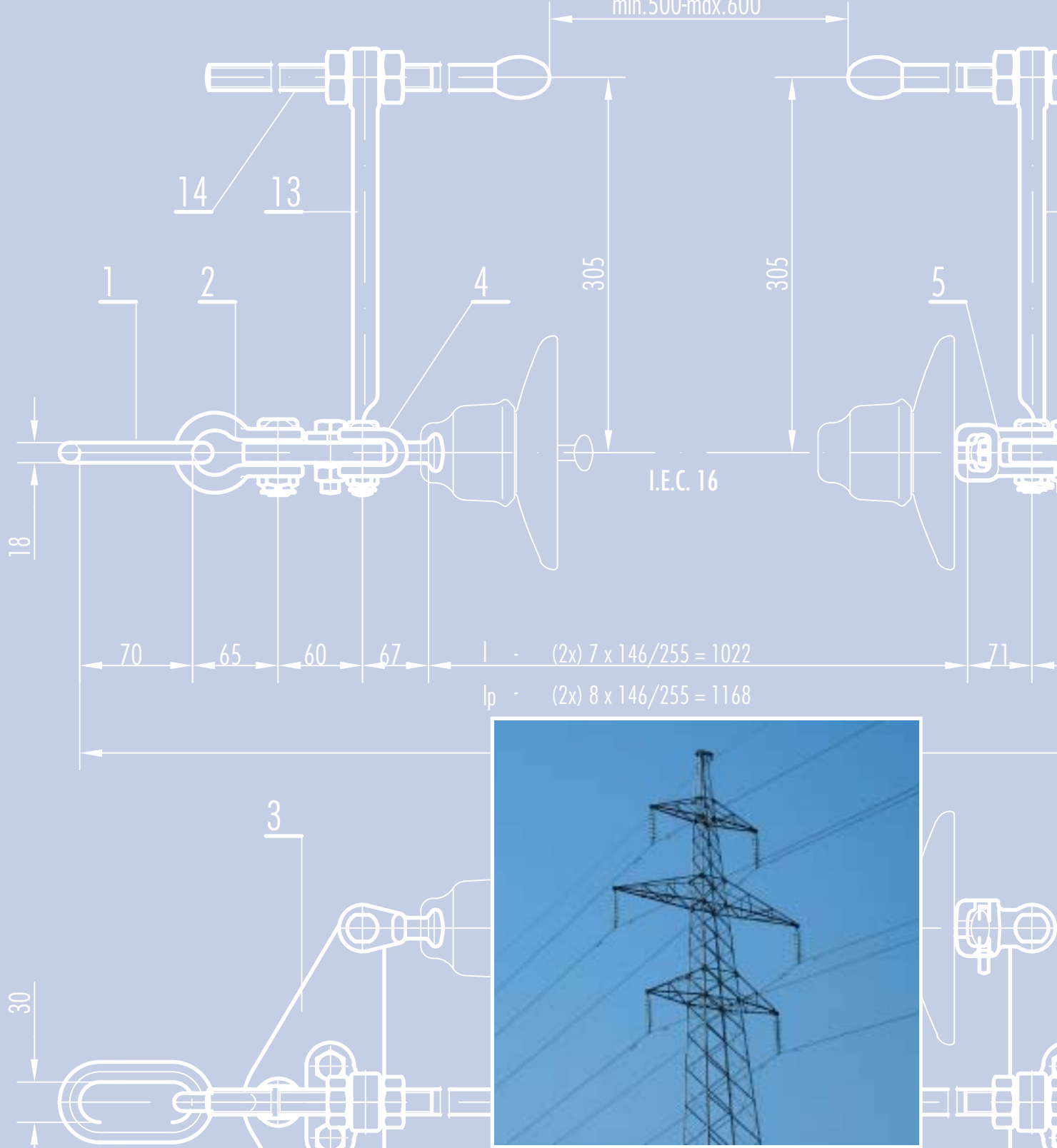
For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.23.10	1	0.40
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	2	0.65
5.	24.87.80.20	2	1.90
6.	50.00.000	1	.
7.	22.99.40	1	1.50
8.	22.84.40	1	1.45
9.	26.36.30	1	0.90
10.	16.12.10	1	0.75
11.	16.15.10	1	1.60
12.	16.19.10	1	3.30
13.	41.61.20.40	4	2.85



5

IZOLATORSKI LANCI ZA 110 kV

INSULATOR STRINGS FOR 110 kV

JEDNOSTRUKI NOSNI LANAC sa kapastim izolatorima

Za Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

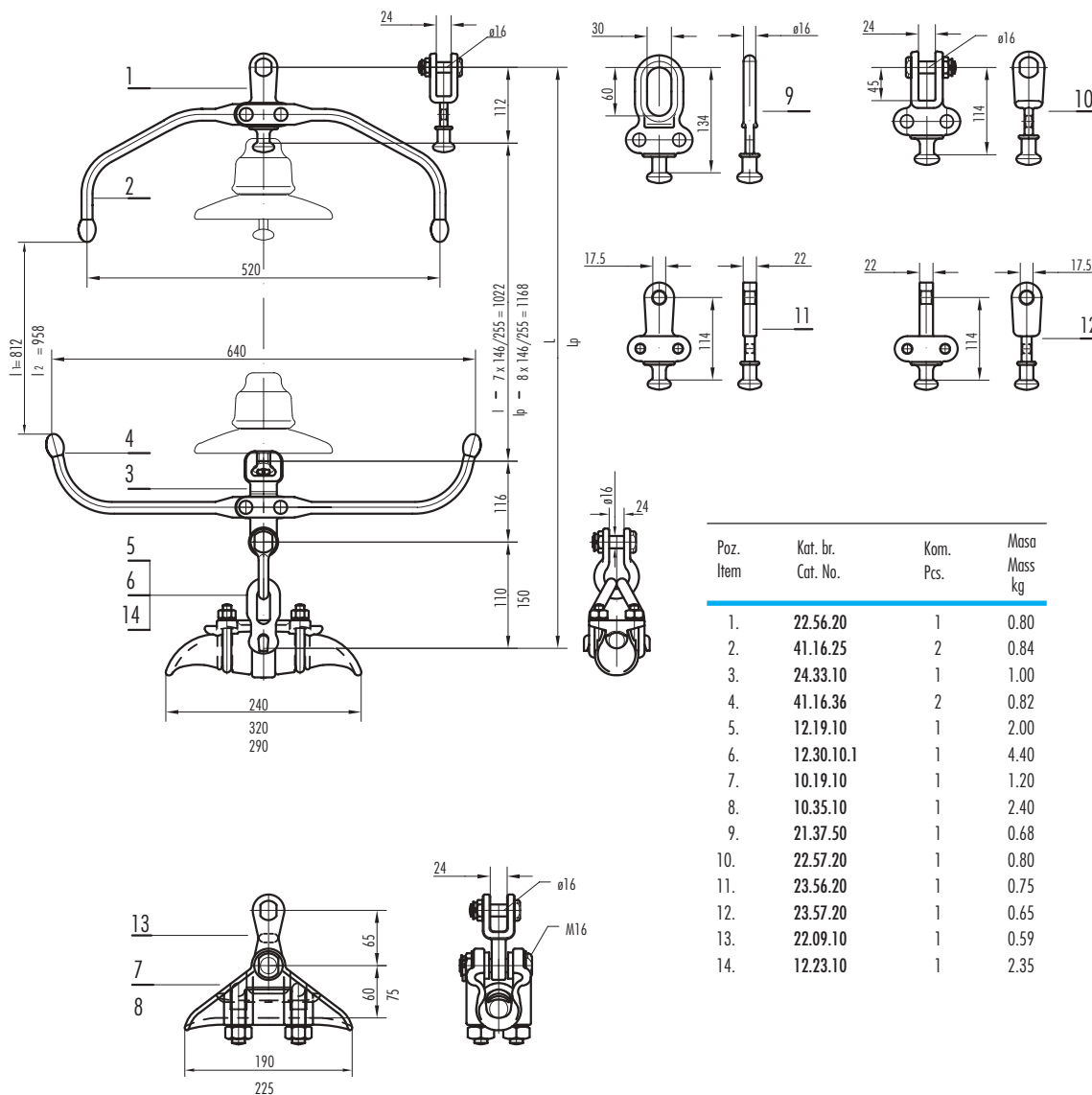
120 kN, zglobna veza 16, IEC 120

SINGLE SUSPENSION STRING with cap and pin insulators

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120



INSULATOR STRINGS FOR 110 kV

**DVOSTRUKI NOSNI LANAC
sa kapastim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

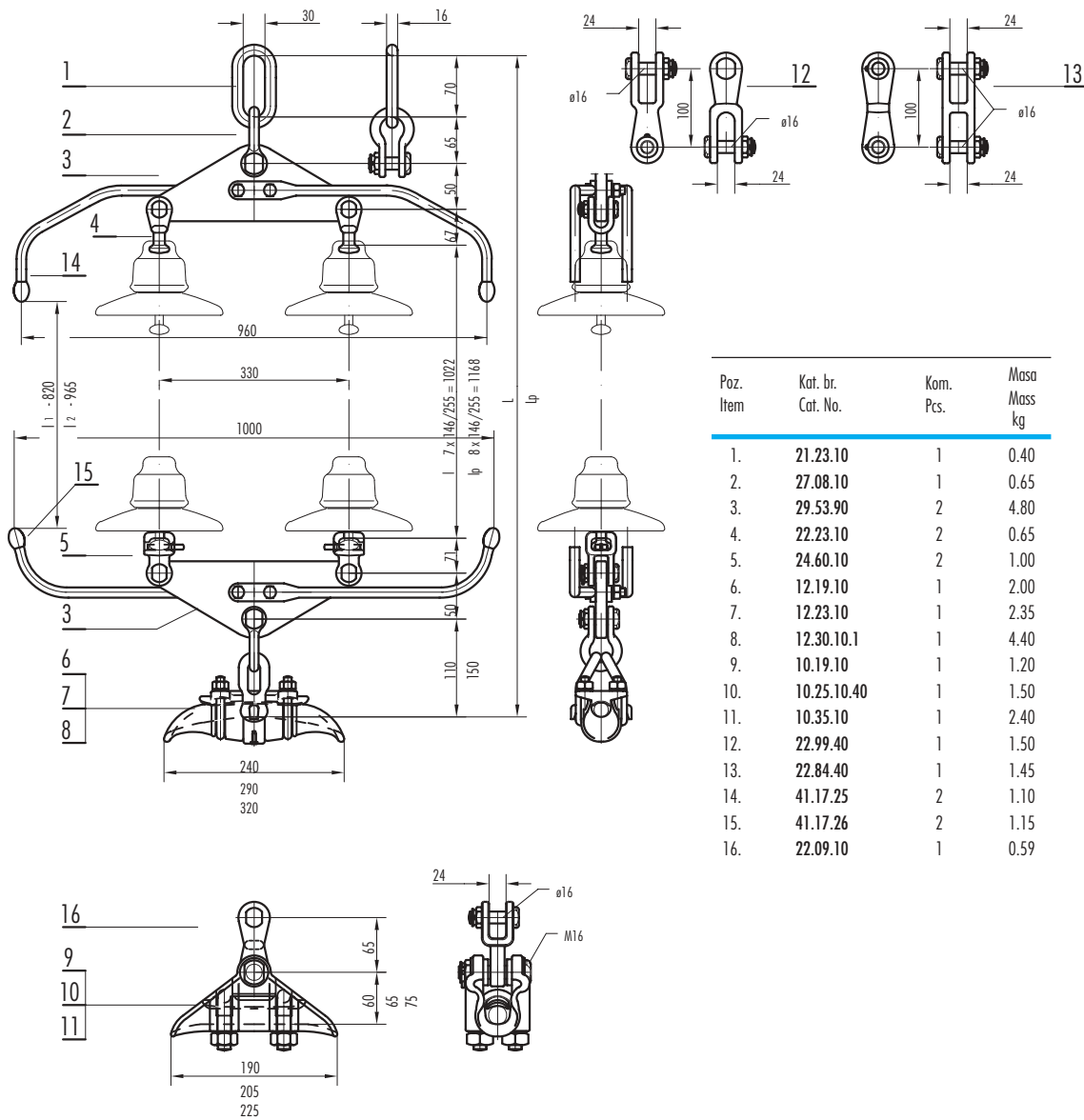
120 kN, zglobna veza 16, IEC 120

**DOUBLE SUSPENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.23.10	1	0.40
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	2	0.65
5.	24.60.10	2	1.00
6.	12.19.10	1	2.00
7.	12.23.10	1	2.35
8.	12.30.10.1	1	4.40
9.	10.19.10	1	1.20
10.	10.25.10.40	1	1.50
11.	10.35.10	1	2.40
12.	22.99.40	1	1.50
13.	22.84.40	1	1.45
14.	41.17.25	2	1.10
15.	41.17.26	2	1.15
16.	22.09.10	1	0.59

**JEDNOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima**

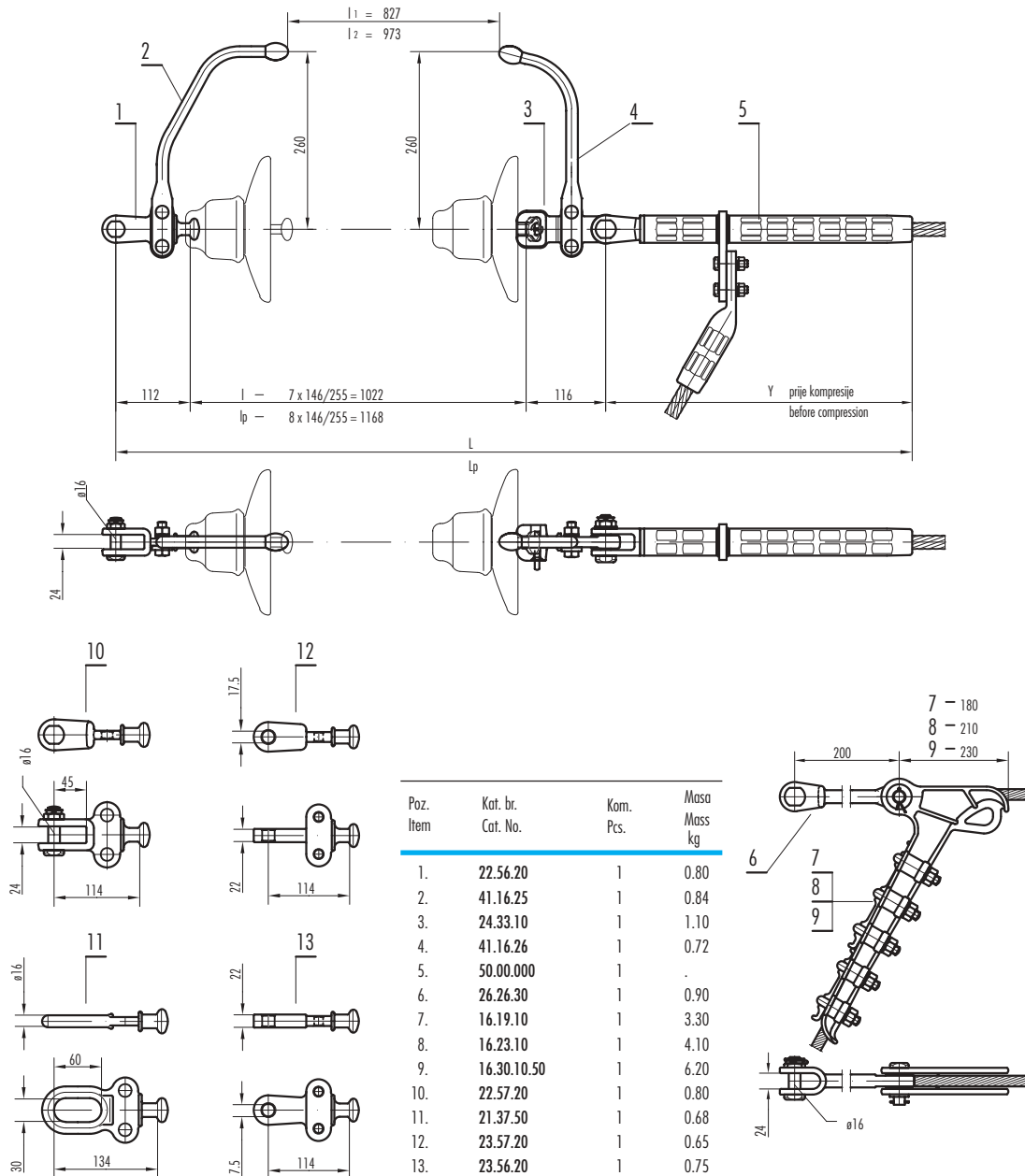
Za Al, Al - legura i Al - Fe vodiče
Minimalna prekidna sila (bez zatezne stezaljke)

120 kN, zglobna veza 16, IEC 12

**SINGLE TENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR
Minimum breaking strength (without tension clamp)

120 kN, standard coupling 16, IEC 120



INSULATOR STRINGS FOR 110 kV

**JEDNOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima
sa regulacionim iskrištem**

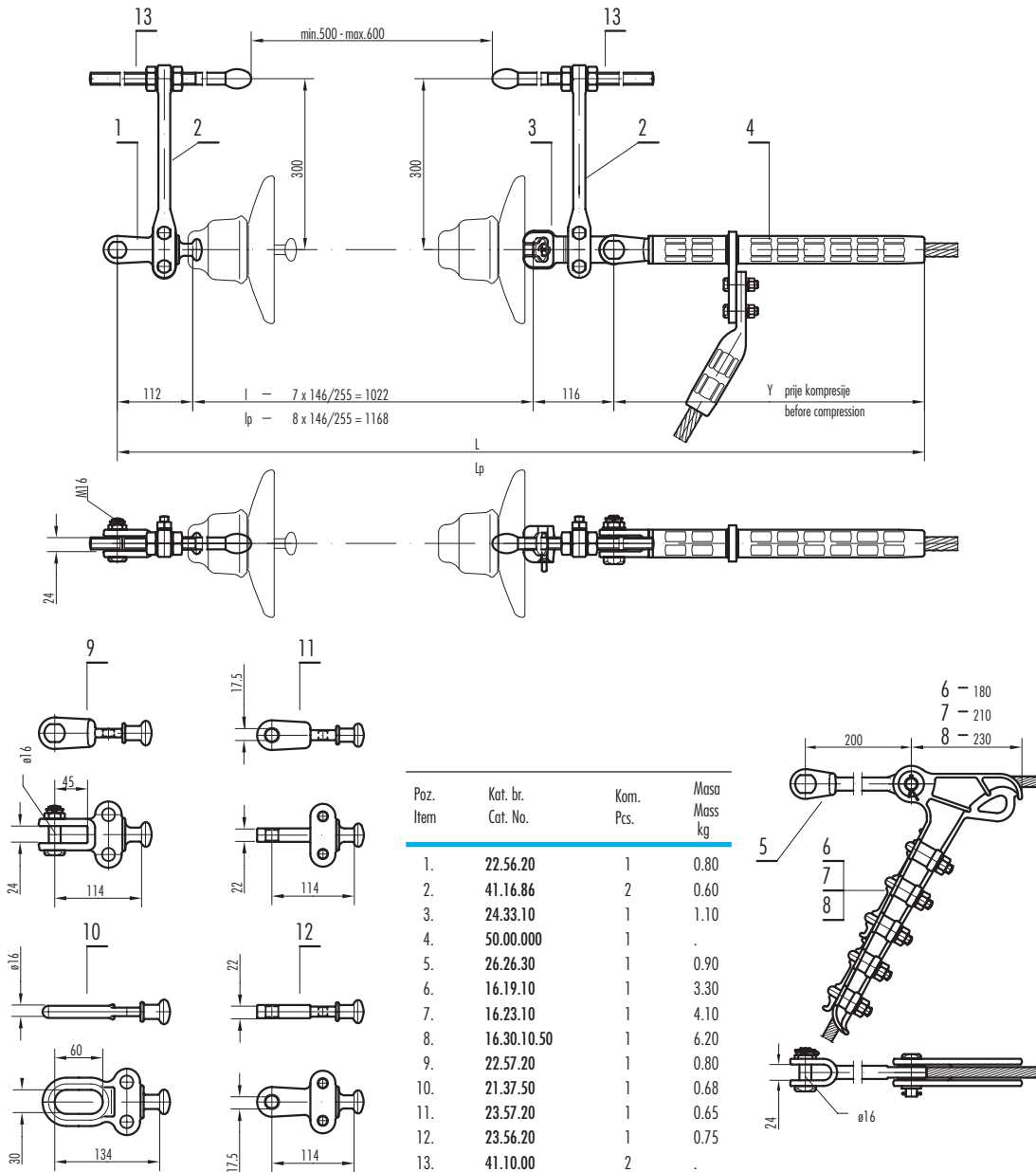
Za Al, Al - legura i Al - Fe vodiče
Minimalna prekidna sila (bez zatezne stezaljke)

120 kN, zglobna veza 16, IEC 120

**SINGLE TENSION STRING
with cap and pin insulators
with regulation spark gap**

For AAC, AAAC and ACSR
Minimum breaking strength (without tension clamp)

120 kN, standard coupling 16, IEC 120



**JEDNOSTRUKI ZATEZNI
 PREPLITAJNI LANAC
 sa kapastim izolatorima**

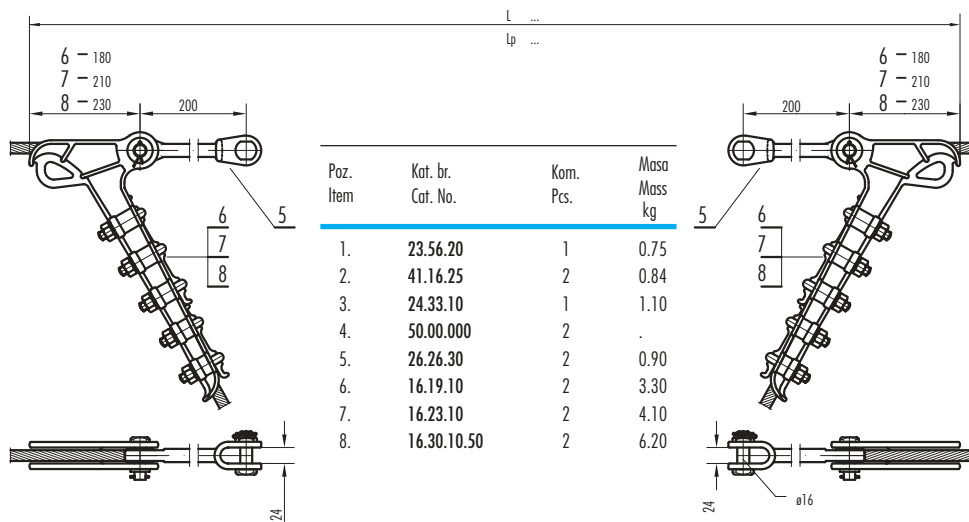
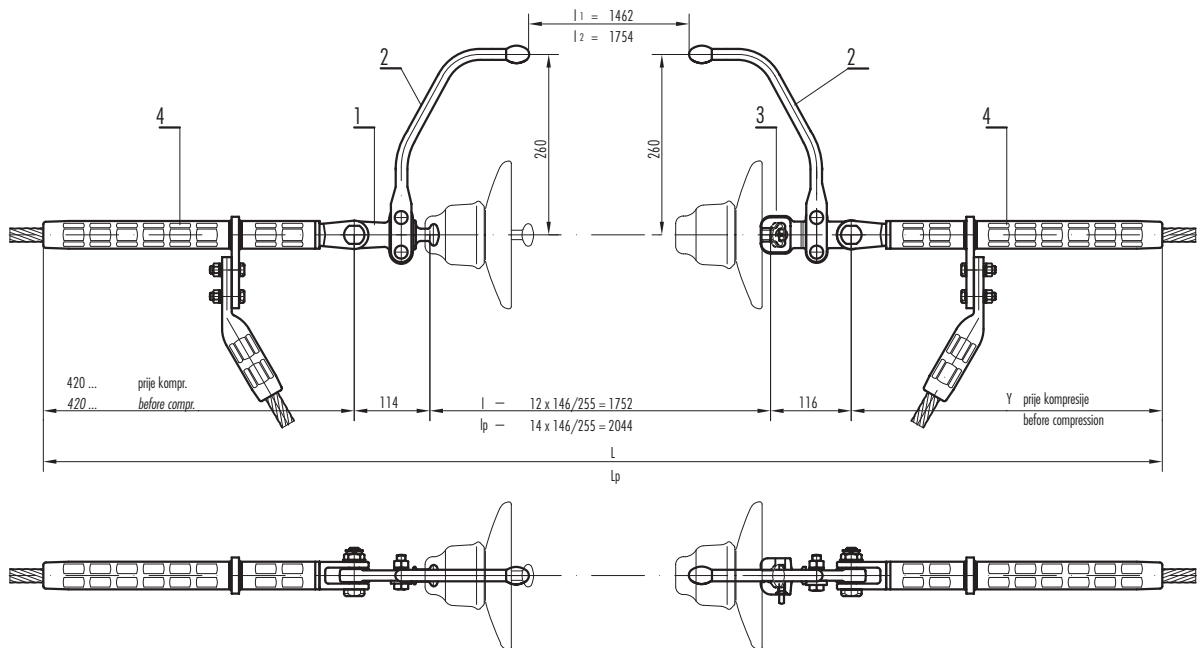
Za Al, Al - legura i Al - Fe vodiče
 Minimalna prekidna sila (bez zatezne stezaljke)

120 kN, zglobova veza 16, IEC 120

**SINGLE TENSION
 TRANSPOSITION STRING
 with cap and pin insulators**

For AAC, AAAC and ACSR
 Minimum breaking strength (without tension clamp)

120 kN, standard coupling 16, IEC 120



INSULATOR STRINGS FOR 110 kV

DVOSTRUKI ZATEZNI LANAC sa kapastim izolatorima

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

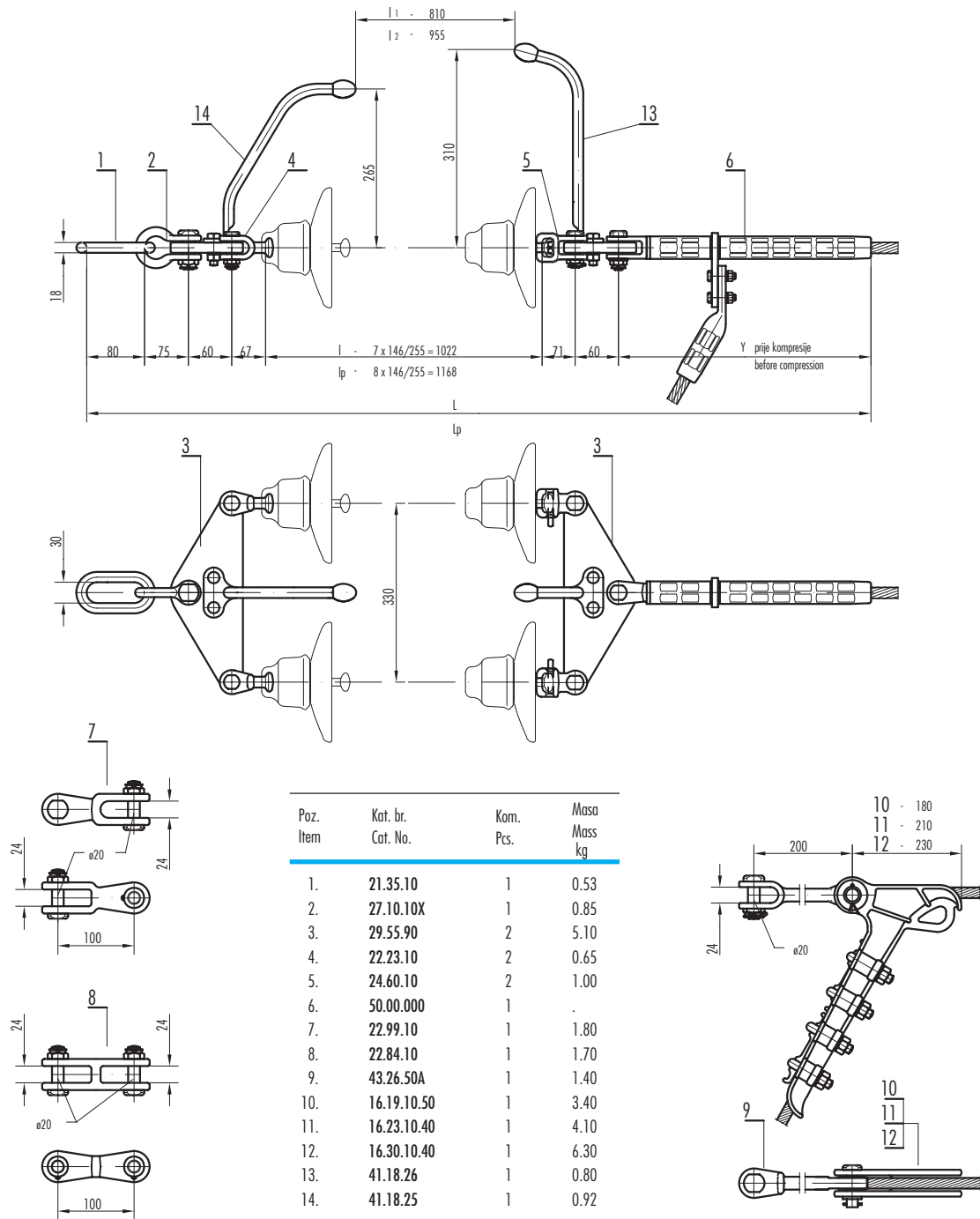
210 kN, zglobna veza 16, IEC 120

DOUBLE TENSION STRING with cap and pin insulators

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

210 kN, standard coupling 16, IEC 120



VOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima
sa regulacionim iskrištem

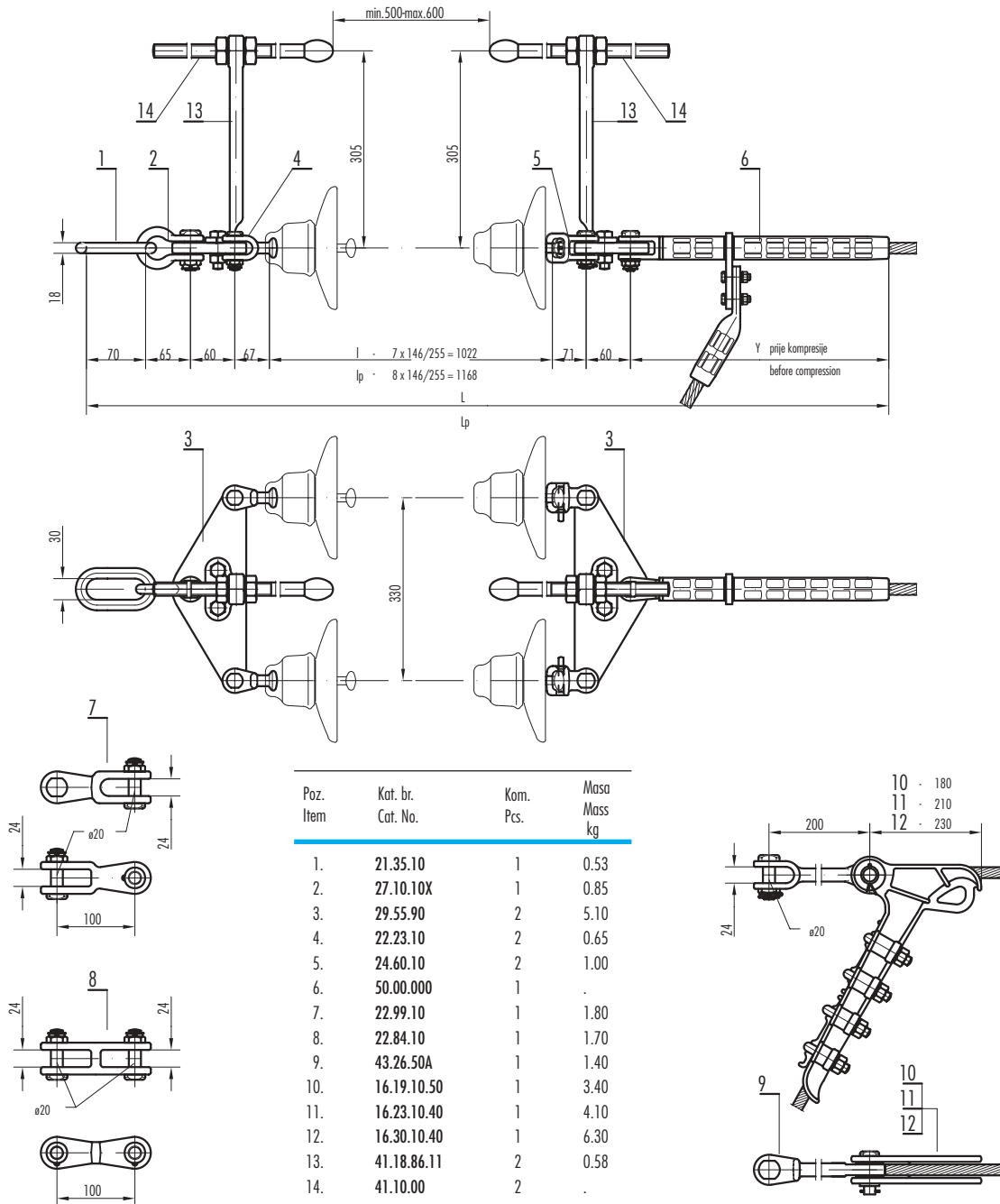
Za Al, Al - legura i Al - Fe vodiče
 Minimalna prekidna sila (bez zatezne stezaljke)

210 kN, zglobna veza 16, IEC 120

DOUBLE TENSION STRING
with cap and pin insulators
with regulation spark gap

For AAC, AAAC and ACSR
 Minimum breaking strength (without tension clamp)

210 kN, standard coupling 16, IEC 120



**DVOSTRUKI ZATEZNI
PREPLITAJNI LANAC
sa kapastim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

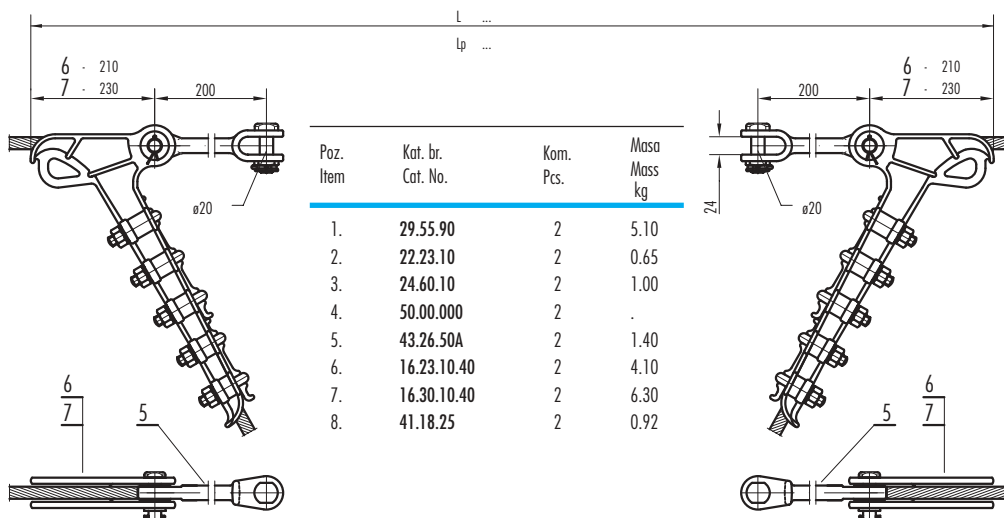
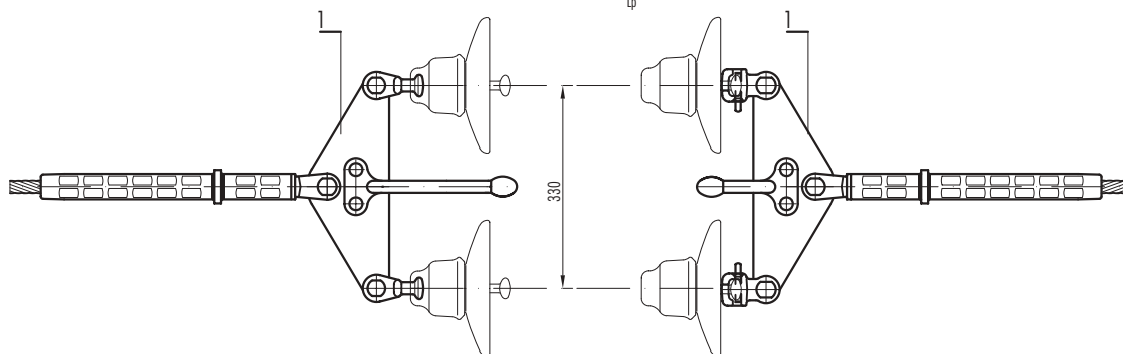
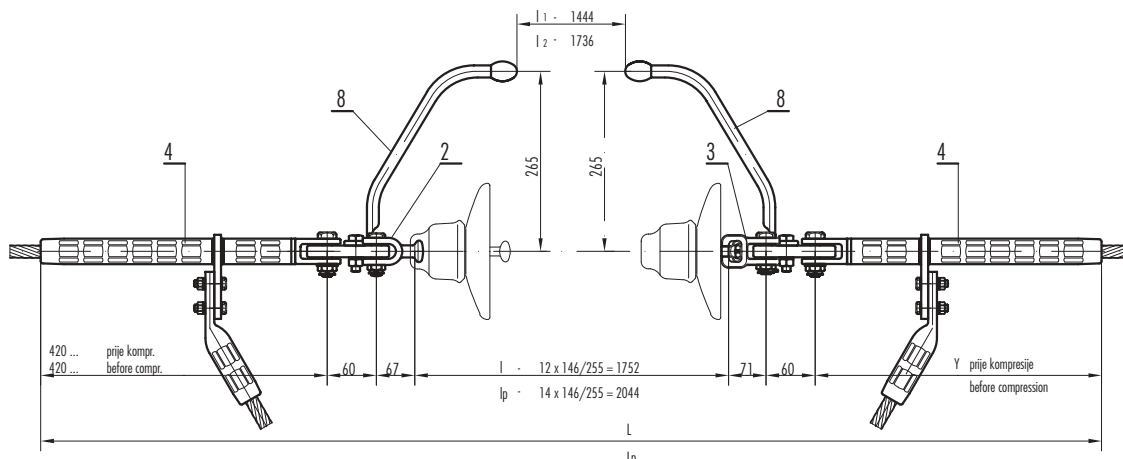
210 kN, zglobna veza 16, IEC 120

**DOUBLE TENSION
TRANSPOSITION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

210 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	29.55.90	2	5.10
2.	22.23.10	2	0.65
3.	24.60.10	2	1.00
4.	50.00.000	2	.
5.	43.26.50A	2	1.40
6.	16.23.10.40	2	4.10
7.	16.30.10.40	2	6.30
8.	41.18.25	2	0.92

JEDNOSTRUKI NOSNI LANAC
sa kapastim izolatorima

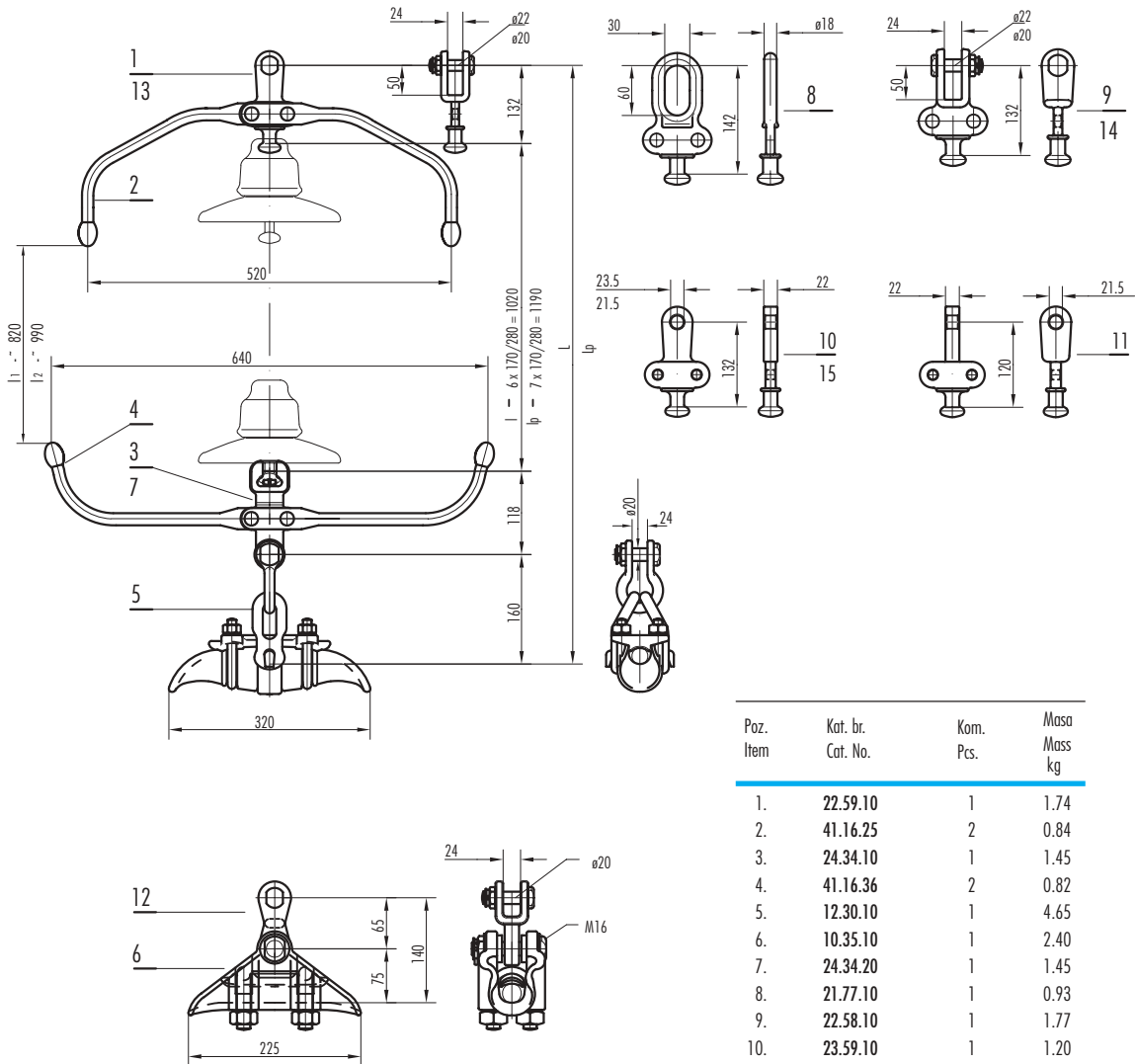
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

160 kN, zglobna veza 20, IEC 120
SINGLE SUSPENSION STRING
with cap and pin insulators

For AAC, AAAC and ACSR

Minimum breaking strength (without susp. clamp)

160 kN, standard coupling 20, IEC 120


INSULATOR STRINGS FOR 110 kV

**DVOSTRUKI NOSNI LANAC
sa kapastim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

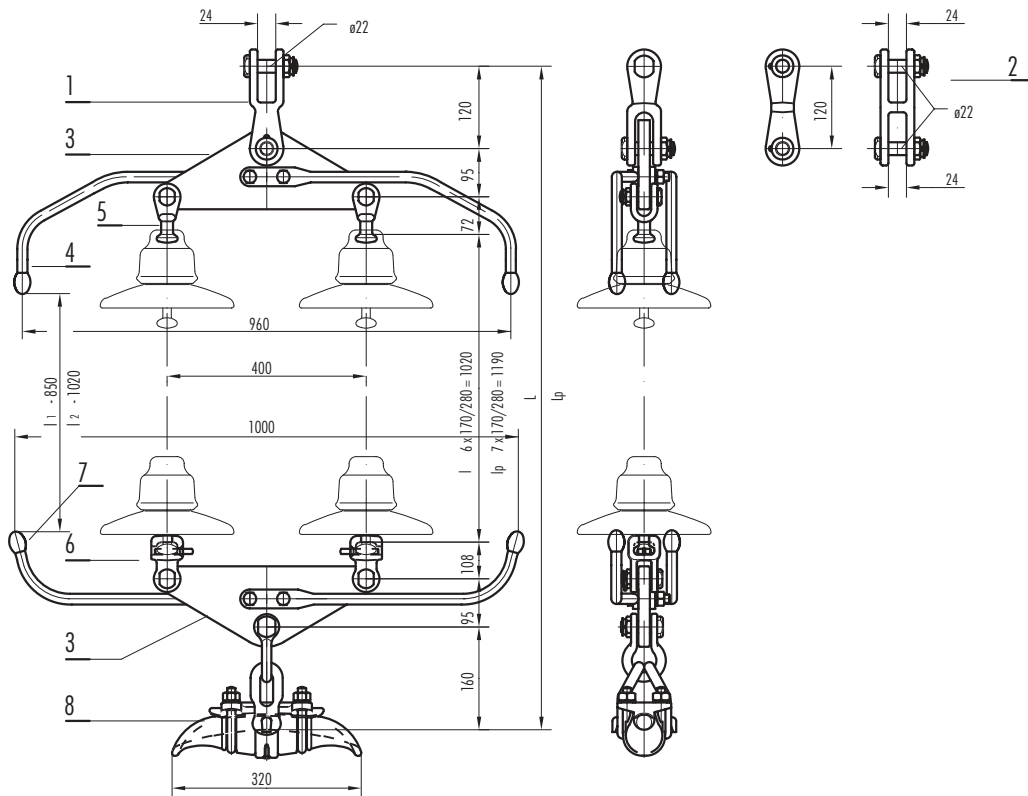
320 kN, zglobna veza 20, IEC 120

**DOUBLE SUSPENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

320 kN, standard coupling 20, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.93.10	1	2.60
2.	22.92.10	1	2.50
3.	29.82.10A	2	8.40
4.	41.17.25	2	1.10
5.	23.48.10	2	1.00
6.	24.79.10	2	1.68
7.	41.17.26	2	1.15
8.	12.30.10	1	4.65

**JEDNOSTRUKI ZATEZNI LANAC
 sa kapastim izolatorima**

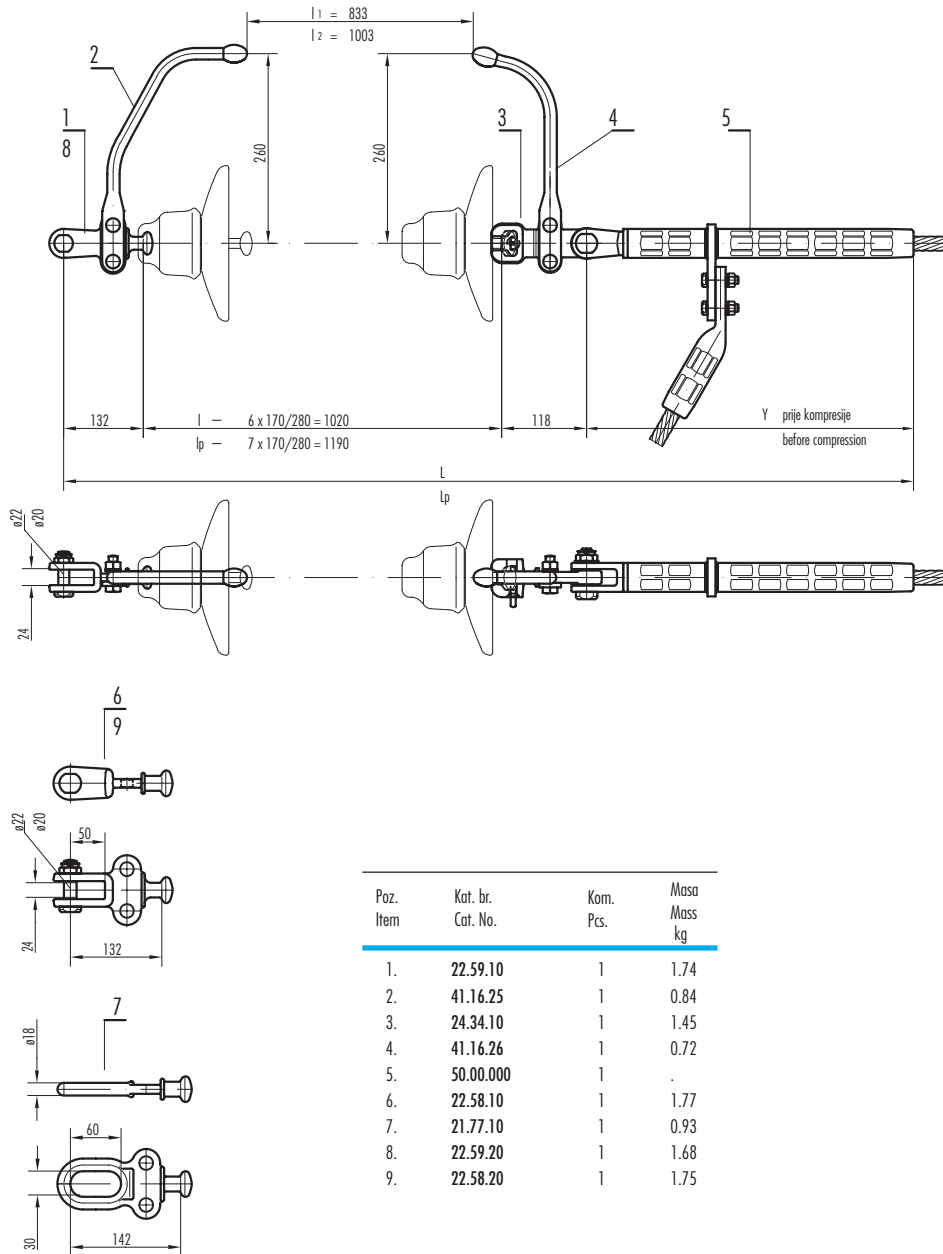
Za Al, Al - legura i Al - Fe vodiče
 Minimalna prekidna sila (bez zatezne stezaljke)

160 kN, zglobna veza 20, IEC 120

**SINGLE TENSION STRING
 with cap and pin insulators**

For AAC, AAAC and ACSR
 Minimum breaking strength (without tension clamp)

160 kN, standard coupling 20, IEC 120



INSULATOR STRINGS FOR 110 kV

**DVOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

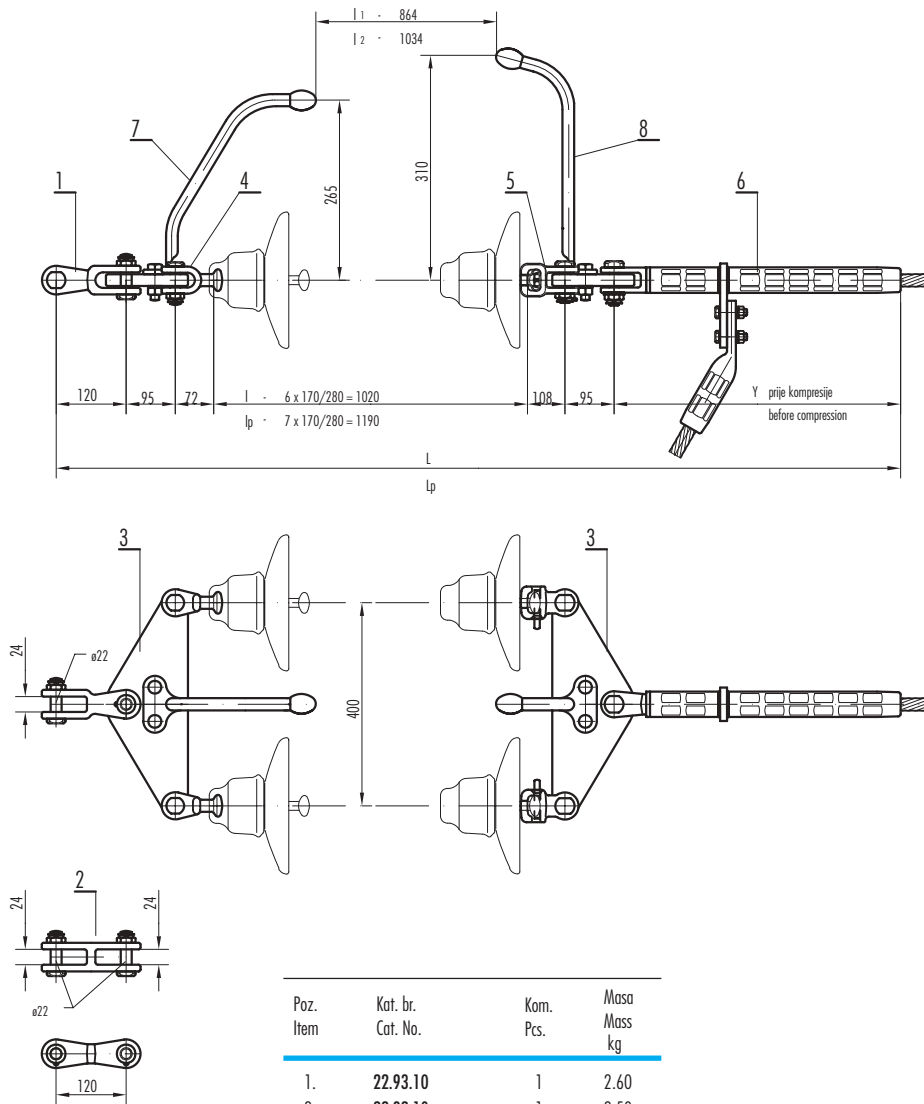
320 kN, zglobna veza 20, IEC 120

**DOUBLE TENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

320 kN, standard coupling 20, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.93.10	1	2.60
2.	22.92.10	1	2.50
3.	29.82.10A	2	8.40
4.	23.48.10	2	1.00
5.	24.79.10	2	1.68
6.	50.00.000	1	.
7.	41.18.25	1	0.92
8.	41.18.26	1	0.80

JEDNOSTRUKI NOSNI LANAC
sa kapastim izolatorima,
za dva vodiča u snopu

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

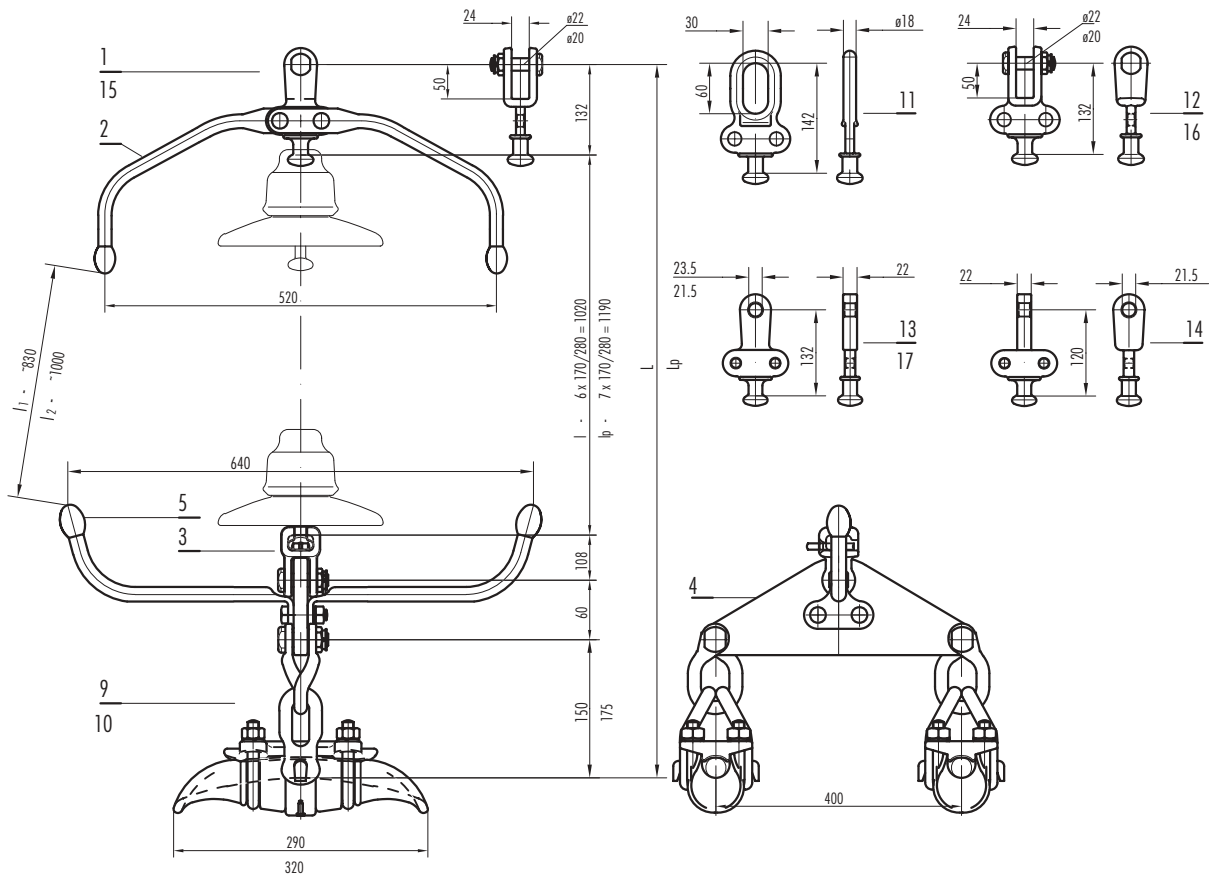
160 kN, zglobna veza 20, IEC 120

SINGLE SUSPENSION STRING
with cap and pin insulators
for twin bundle conductor

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

160 kN, standard coupling 20, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.59.10	1	1.74
2.	41.16.25	2	0.84
3.	24.79.10	1	1.68
4.	43.29.89.60	1	5.85
5.	41.18.30	2	1.15
6.	22.45.10	2	0.60
7.	10.25.10.40	2	1.50
8.	10.35.10	2	2.40
9.	12.23.20	2	2.65
10.	12.30.20.1	2	4.75
11.	21.77.10	1	0.93
12.	22.58.10	1	1.77
13.	23.59.10	1	1.20
14.	23.58.30	1	1.20
15.	22.59.20	1	1.68
16.	22.58.20	1	1.75
17.	23.59.20	1	1.30

INSULATOR STRINGS FOR 110 kV

**DVOSTRUKI NOSNI LANAC
sa kapastim izolatorima
za dva vodiča u snopu**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

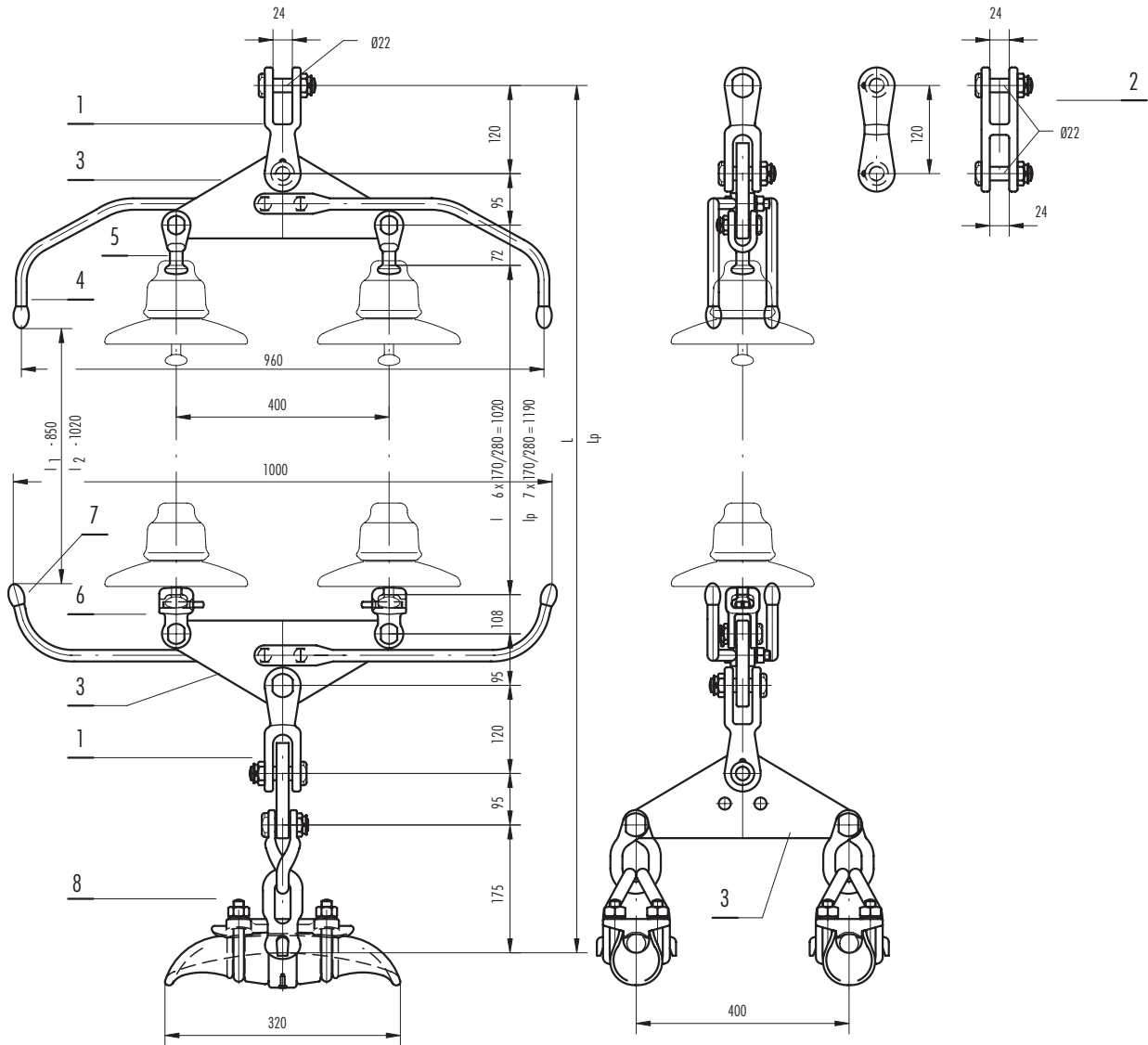
320 kN, zglobna veza 20, IEC 120

**DOUBLE SUSPENSION STRING
with cap and pin insulators
for twin bundle conductor**

For AAC, AAAC and ACSR (without suspension clamp)

Minimum breaking strength

320 kN, standard coupling 20, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.93.10	2	2.60
2.	22.92.10	1	2.50
3.	29.82.10A	3	8.40
4.	41.17.25	2	1.10
5.	23.48.10	2	1.00
6.	24.79.10	2	1.68
7.	41.17.26	2	1.15
8.	12.30.20	1	4.90

JEDNOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima
za dva vodiča u snopu

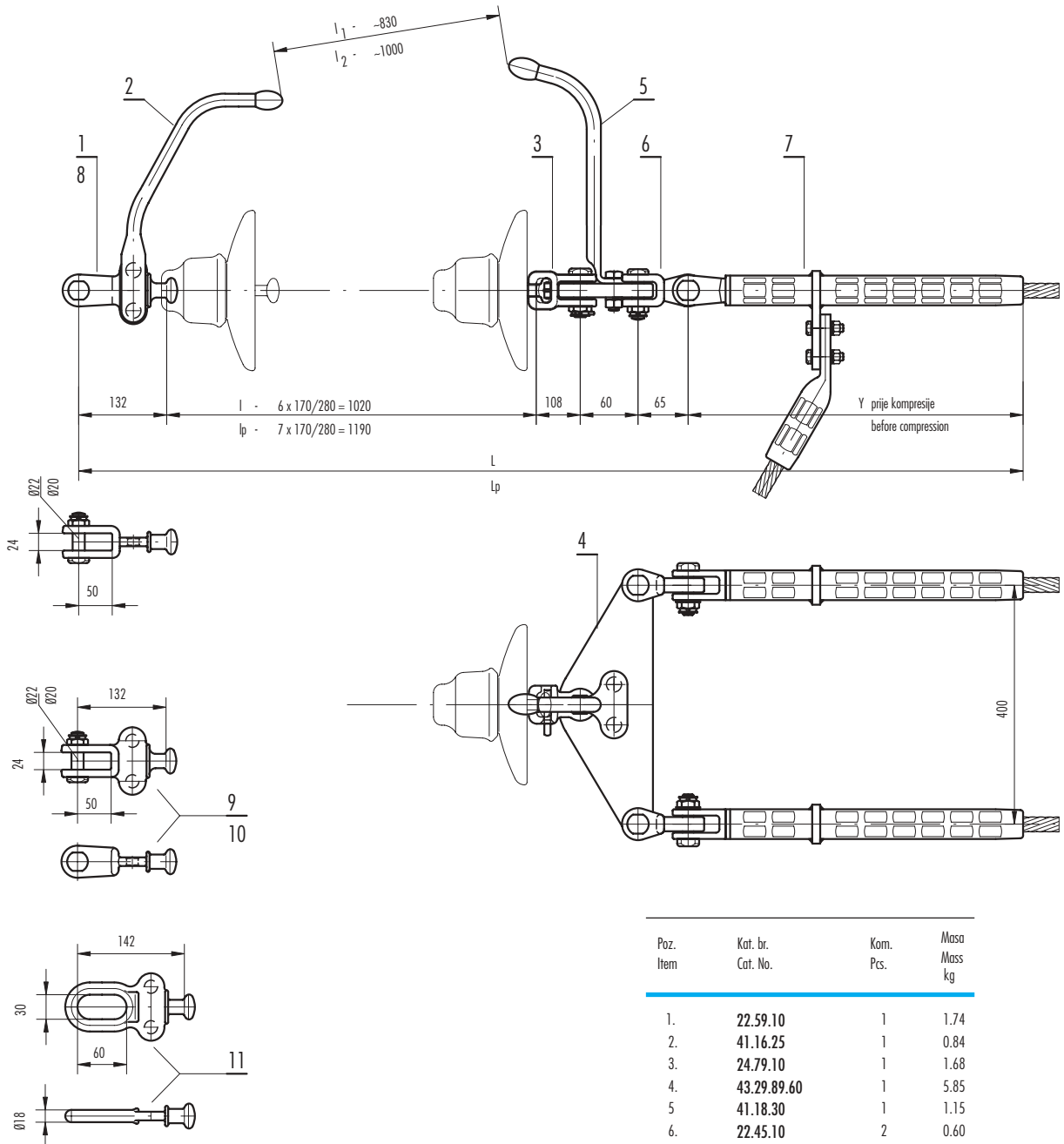
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

160 kN, zglobna veza 20, IEC 120
SINGLE TENSION STRING
with cap and pin insulators
for twin bundle conductor

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

160 kN, standard coupling 20, IEC 120


Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.59.10	1	1.74
2.	41.16.25	1	0.84
3.	24.79.10	1	1.68
4.	43.29.89.60	1	5.85
5.	41.18.30	1	1.15
6.	22.45.10	2	0.60
7.	50.00.000	2	.
8.	22.59.20	1	1.68
9.	22.58.10	1	1.77
10.	22.58.20	1	1.75
11.	21.77.10	1	0.93

INSULATOR STRINGS FOR 110 kV

**DVOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima
za dva vodiča u snopu**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

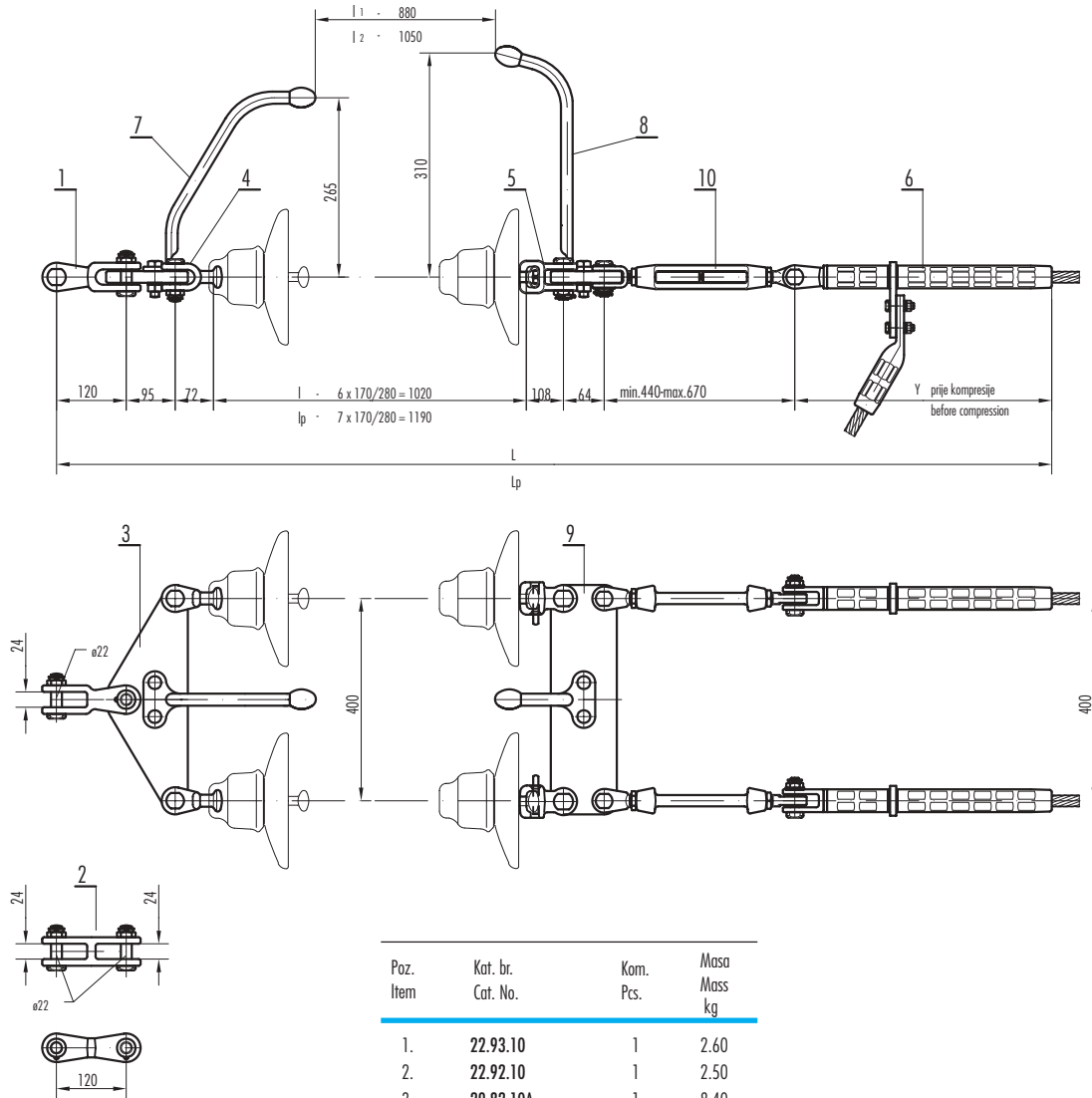
320 kN, zglobna veza 20, IEC 120

**DOUBLE TENSION STRING
with cap and pin insulators
for twin bundle conductor**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

320 kN, standard coupling 20, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.93.10	1	2.60
2.	22.92.10	1	2.50
3.	29.82.10A	1	8.40
4.	23.48.10	2	1.00
5.	24.79.10	2	1.68
6.	50.00.000	2	.
7.	41.18.25	1	0.92
8.	41.18.26	1	0.80
9.	29.96.10A	1	8.80
10.	25.77.066	2	4.10

**JEDNOSTRUKI NOSNI LANAC
sa štapnim izolatorom**

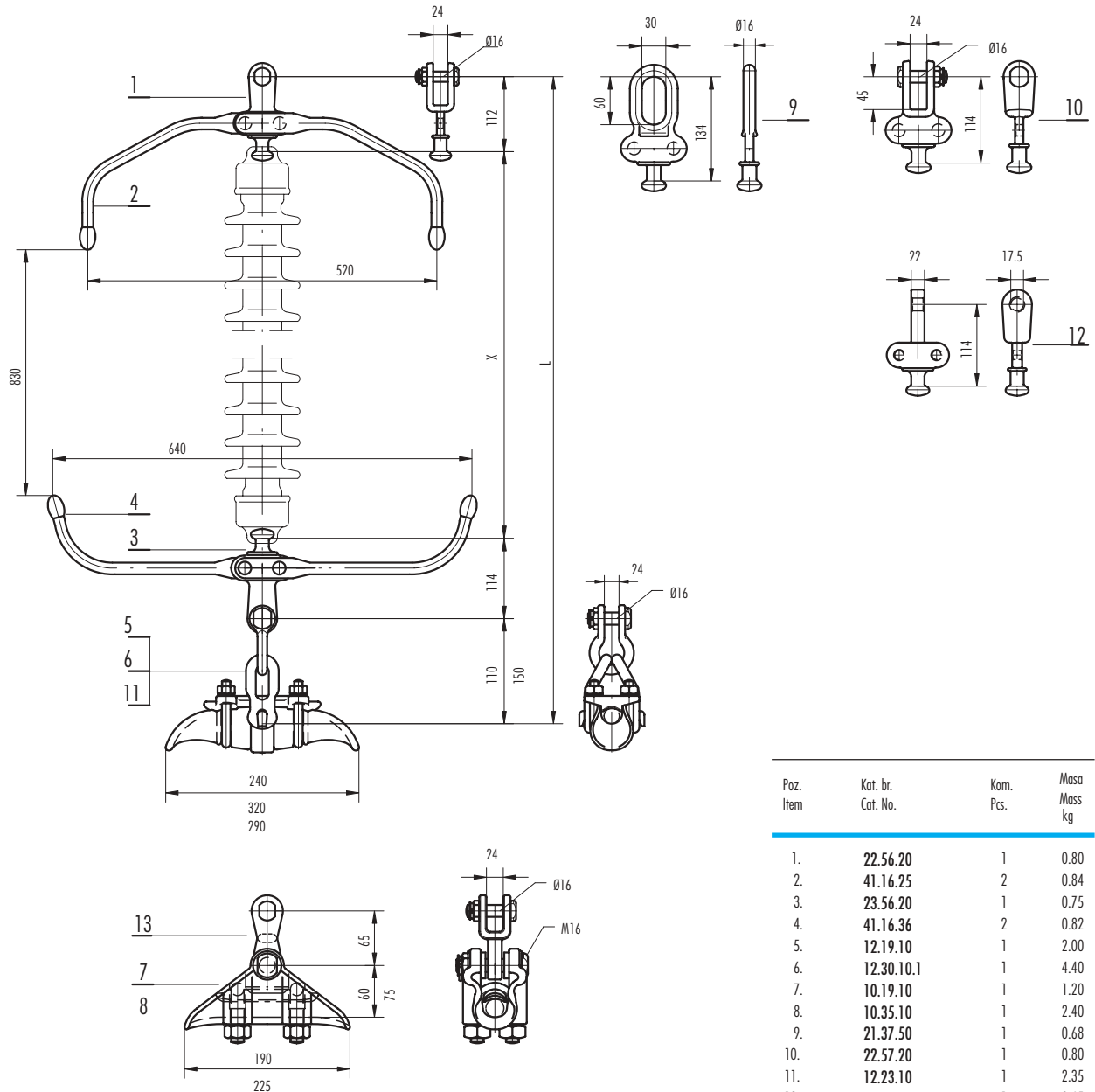
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

120 kN, zglobna veza 16, IEC 120
**SINGLE SUSPENSION STRING
with rod insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120


Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.56.20	1	0.80
2.	41.16.25	2	0.84
3.	23.56.20	1	0.75
4.	41.16.36	2	0.82
5.	12.19.10	1	2.00
6.	12.30.10.1	1	4.40
7.	10.19.10	1	1.20
8.	10.35.10	1	2.40
9.	21.37.50	1	0.68
10.	22.57.20	1	0.80
11.	12.23.10	1	2.35
12.	23.57.20	1	0.65
13.	22.09.10	1	0.59

INSULATOR STRINGS FOR 110 kV

**DVOSTRUKI NOSNI LANAC
sa štapnim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

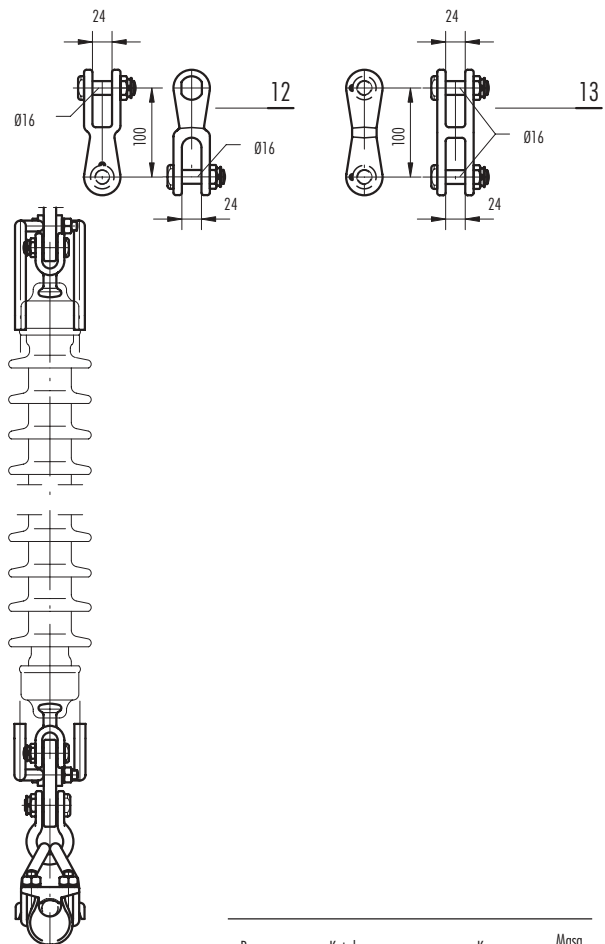
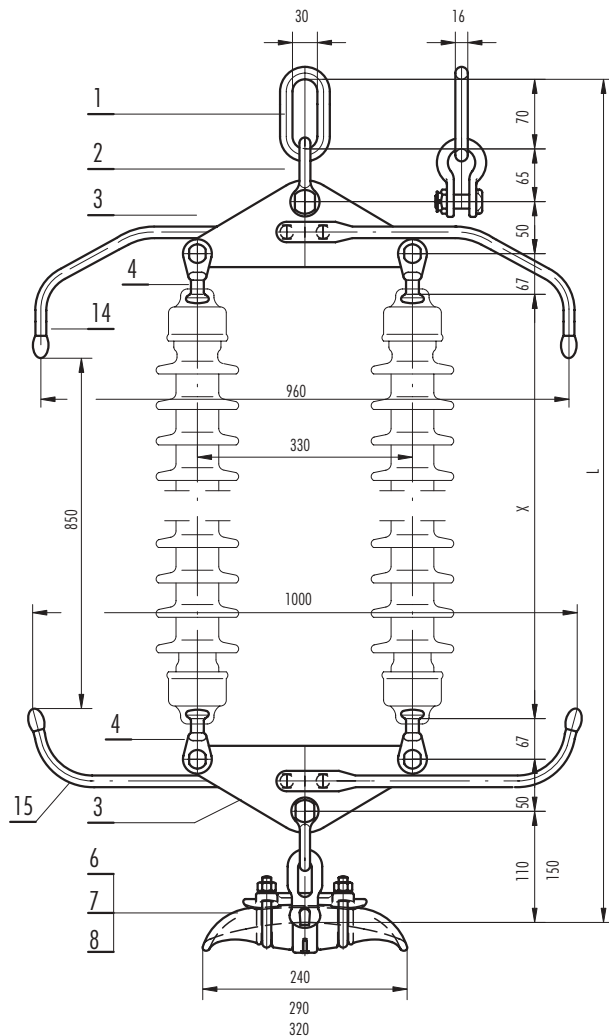
120 kN, zglobna veza 16, IEC 120

**DOUBLE SUSPENSION STRING
with rod insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.23.10	1	0.40
2.	27.08.10	1	0.65
3.	29.53.90	2	4.80
4.	22.23.10	4	0.65
5.	22.09.10	1	0.60
6.	12.19.10	1	2.00
7.	12.23.10	1	2.35
8.	12.30.10.1	1	4.40
9.	10.19.10	1	1.20
10.	10.25.10.40	1	1.50
11.	10.35.10	1	2.40
12.	22.99.40	1	1.50
13.	22.84.40	1	1.45
14.	41.17.25	2	1.10
15.	41.17.26	2	1.15

**JEDNOSTRUKI ZATEZNI LANAC
sa štapnim izolatorom**

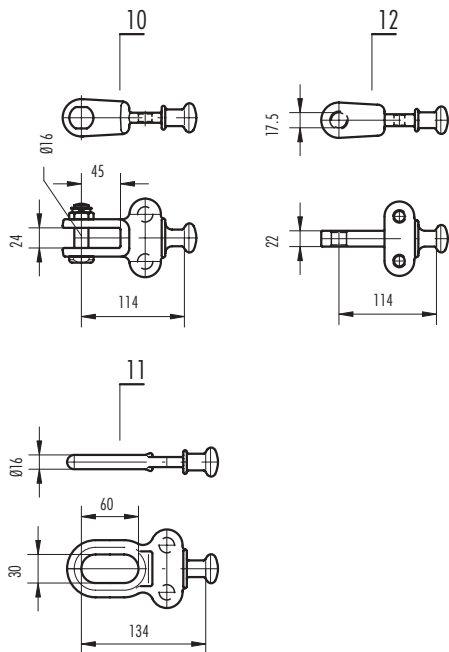
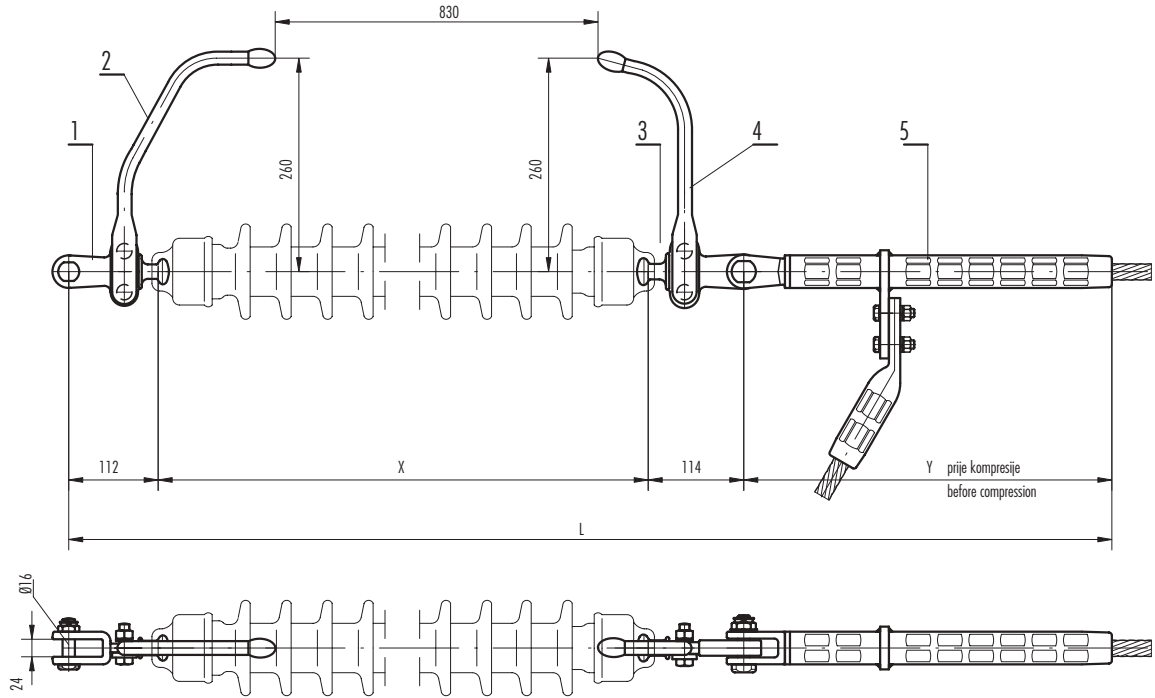
Za Al, Al - legura i Al - Fe vodiče
Minimalna prekidna sila (bez zatezne stezaljke)

120 kN, zglobna veza 16, IEC 120

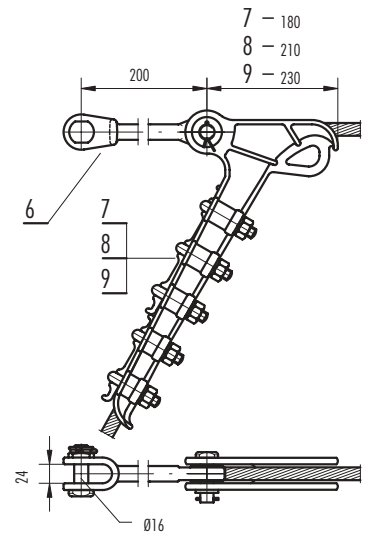
**SINGLE TENSION STRING
with rod insulator**

For AAC, AAAC and ACSR
Minimum breaking strength (without tension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.56.20	1	0.80
2.	41.16.25	1	0.84
3.	23.56.20	1	0.75
4.	41.16.26	1	0.72
5.	50.00.000	1	.
6.	26.26.30	1	0.90
7.	16.19.10	1	3.30
8.	16.23.10	1	4.10
9.	16.30.10.50	1	6.20
10.	22.57.20	1	0.80
11.	21.37.50	1	0.68
12.	23.57.20	1	0.65



INSULATOR STRINGS FOR 110 kV

**DVOSTRUKI ZATEZNI LANAC
sa štapnim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

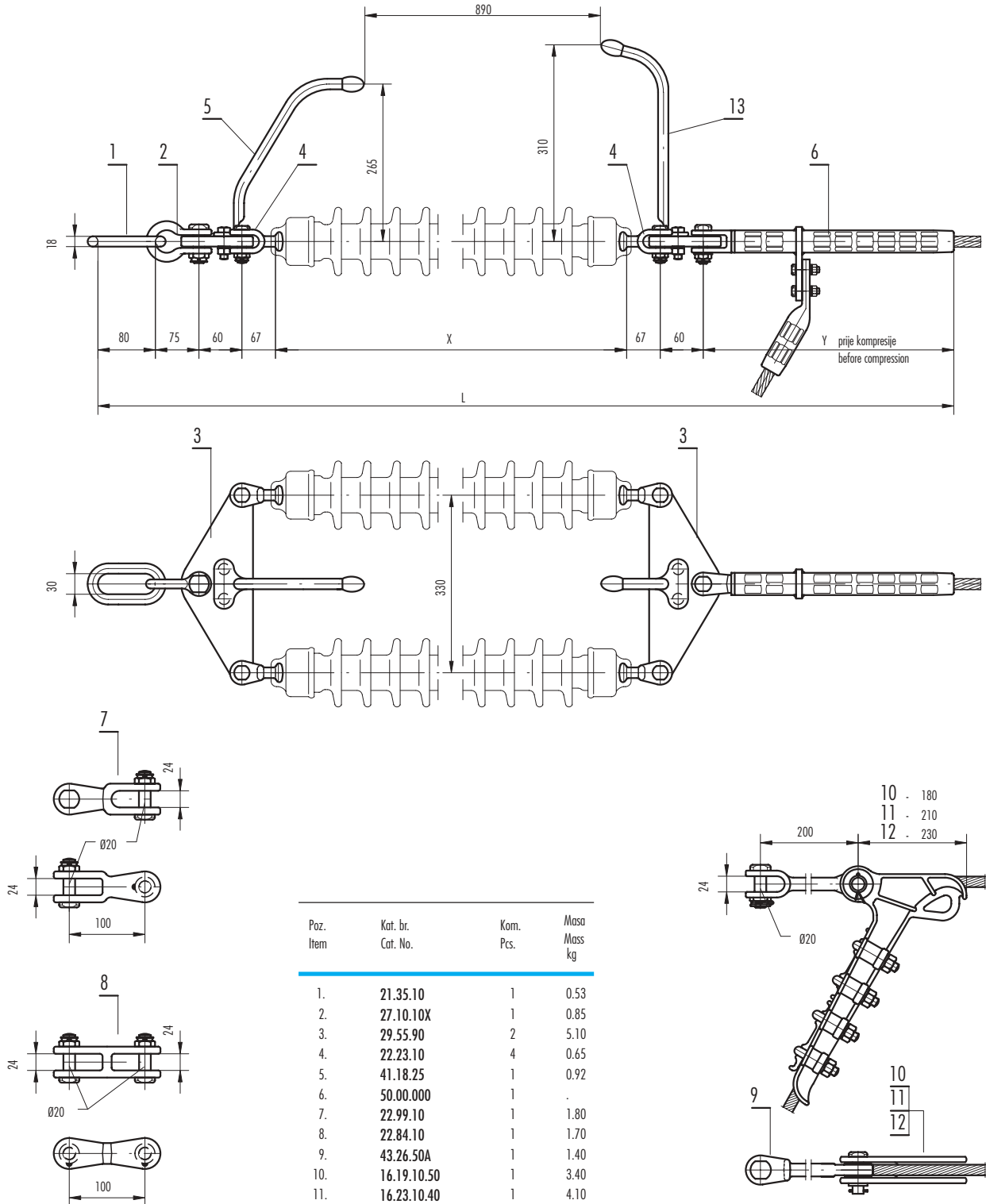
210 kN, zglobna veza 16, IEC 120

**DOUBLE TENSION STRING
with rod insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

210 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	21.35.10	1	0.53
2.	27.10.10X	1	0.85
3.	29.55.90	2	5.10
4.	22.23.10	4	0.65
5.	41.18.25	1	0.92
6.	50.00.000	1	.
7.	22.99.10	1	1.80
8.	22.84.10	1	1.70
9.	43.26.50A	1	1.40
10.	16.19.10.50	1	3.40
11.	16.23.10.40	1	4.10
12.	16.30.10.40	1	6.30
13.	41.18.26	1	0.80

**JEDNOSTRUKI NOSNI LANAC
sa kompozitnim izolatorom**

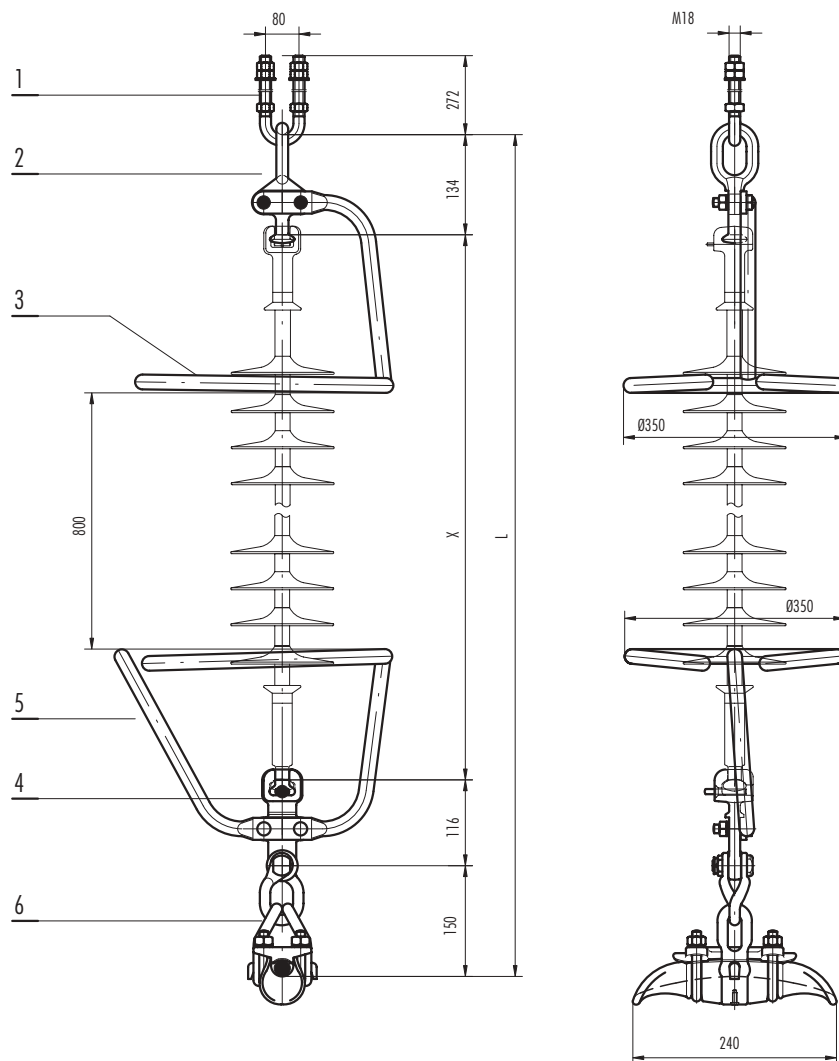
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

120 kN, zglobna veza 16, IEC 120
**SINGLE SUSPENSION STRING
with composite insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120


Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.18.76	1	1.50
2.	21.22.50	1	0.70
3.	41.61.68G	1	5.20
4.	24.33.10	1	1.10
5.	41.62.67G	1	4.80
6.	12.19.20	1	2.35

INSULATOR STRINGS FOR 110 kV

**DVOSTRUKI NOSNI LANAC
sa kompozitnim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

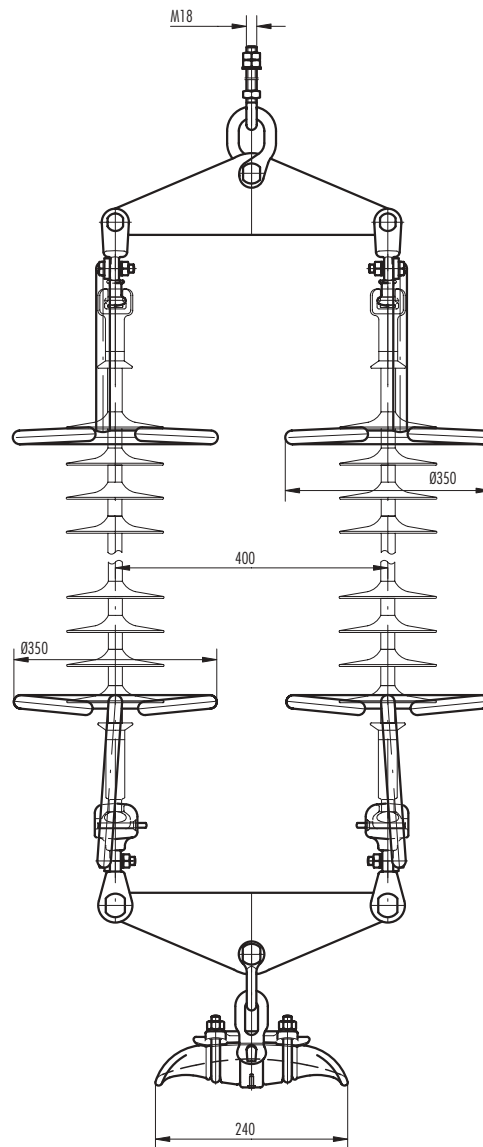
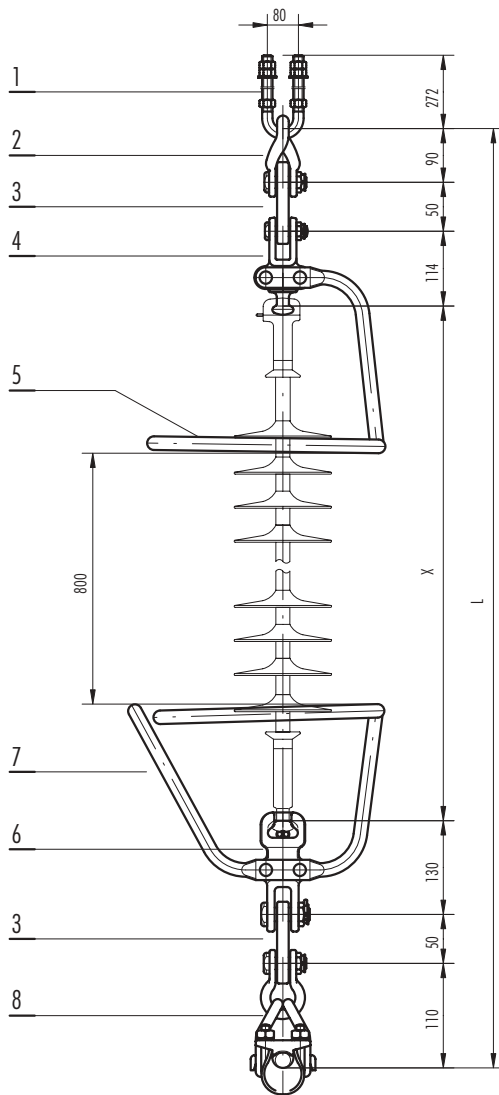
120 kN, zglobna veza 16, IEC 120

**DOUBLE SUSPENSION STRING
with composite insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120



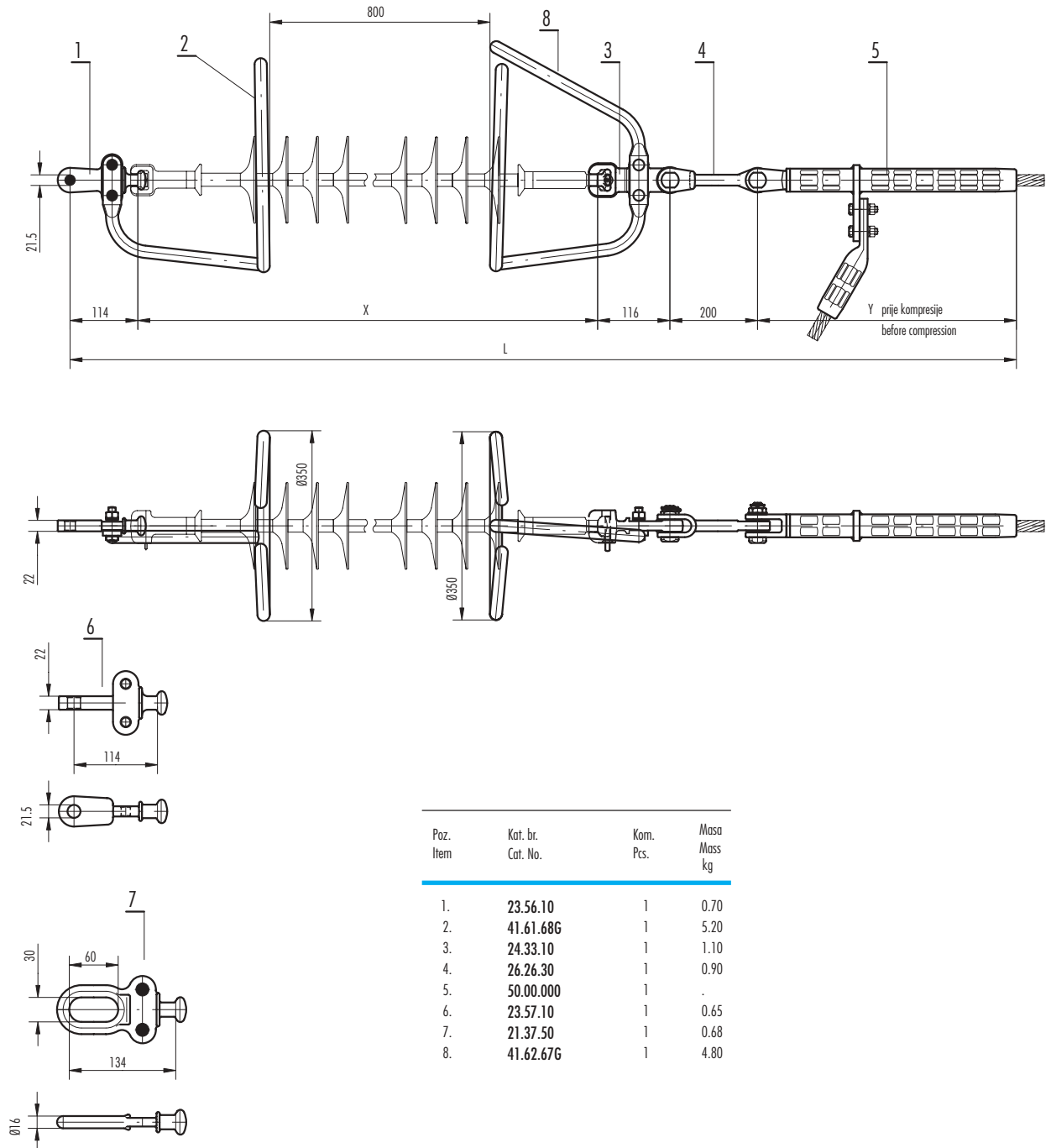
Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	35.18.76	1	1.50
2.	27.30.10	1	0.65
3.	29.13.80	2	5.70
4.	22.57.20	2	0.90
5.	41.61.68G	2	5.20
6.	24.87.80.20	2	1.80
7.	41.62.67G	2	4.80
8.	12.19.10	1	2.00

**JEDNOSTRUKI ZATEZNI LANAC
sa kompozitnim izolatorom**

Za Al, Al - legura i Al - Fe vodiče
Minimalna prekidna sila (bez zatezne stezaljke)

120 kN, zglobna veza 16, IEC 120
**SINGLE TENSION STRING
with composite insulator**

For AAC, AAAC and ACSR
Minimum breaking strength (without tension clamp)

120 kN, standard coupling 16, IEC 120


INSULATOR STRINGS FOR 110 kV

DVOSTRUKI ZATEZNI LANAC sa kompozitnim izolatorima

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

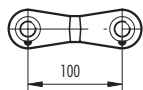
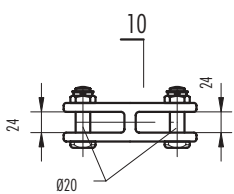
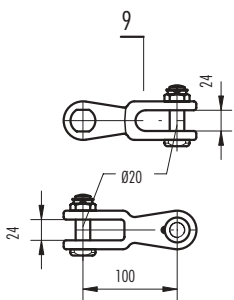
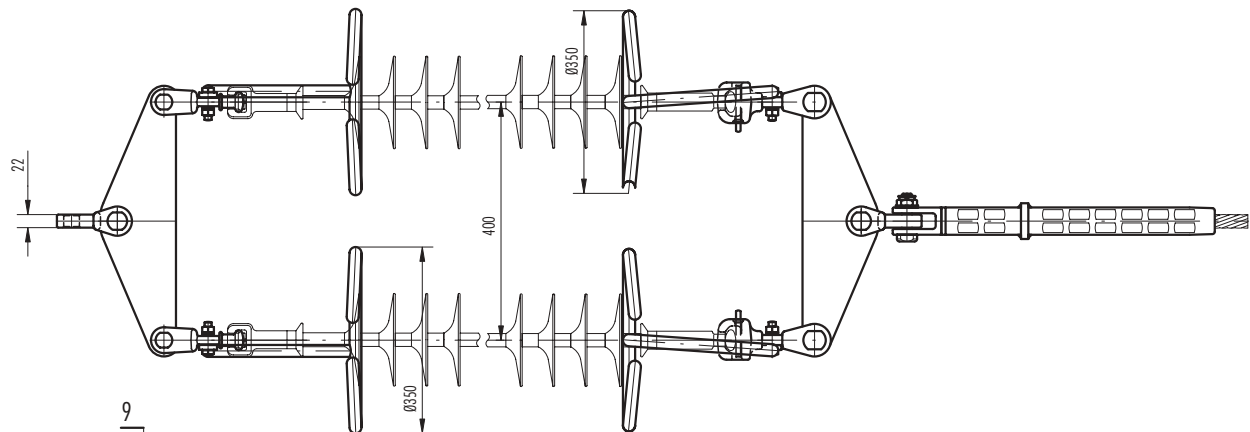
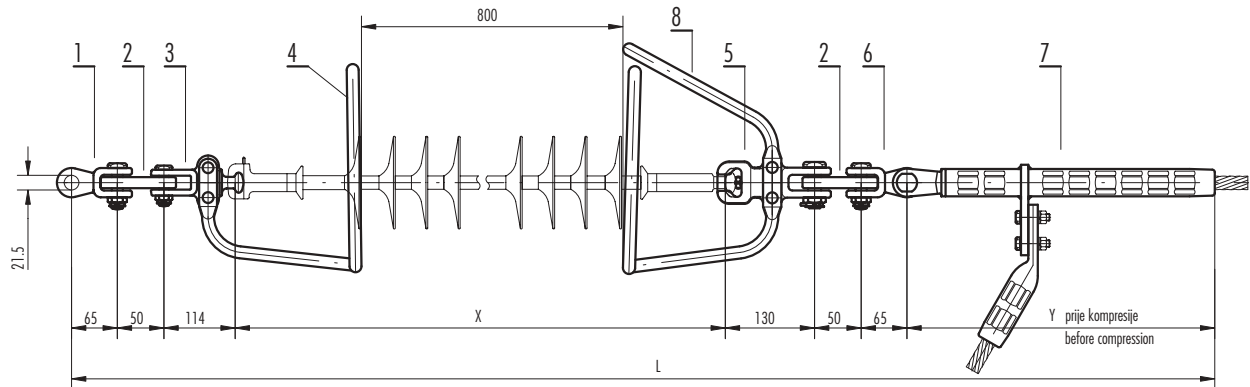
120 kN, zglobna veza 16, IEC 120

DOUBLE TENSION STRING with composite insulators

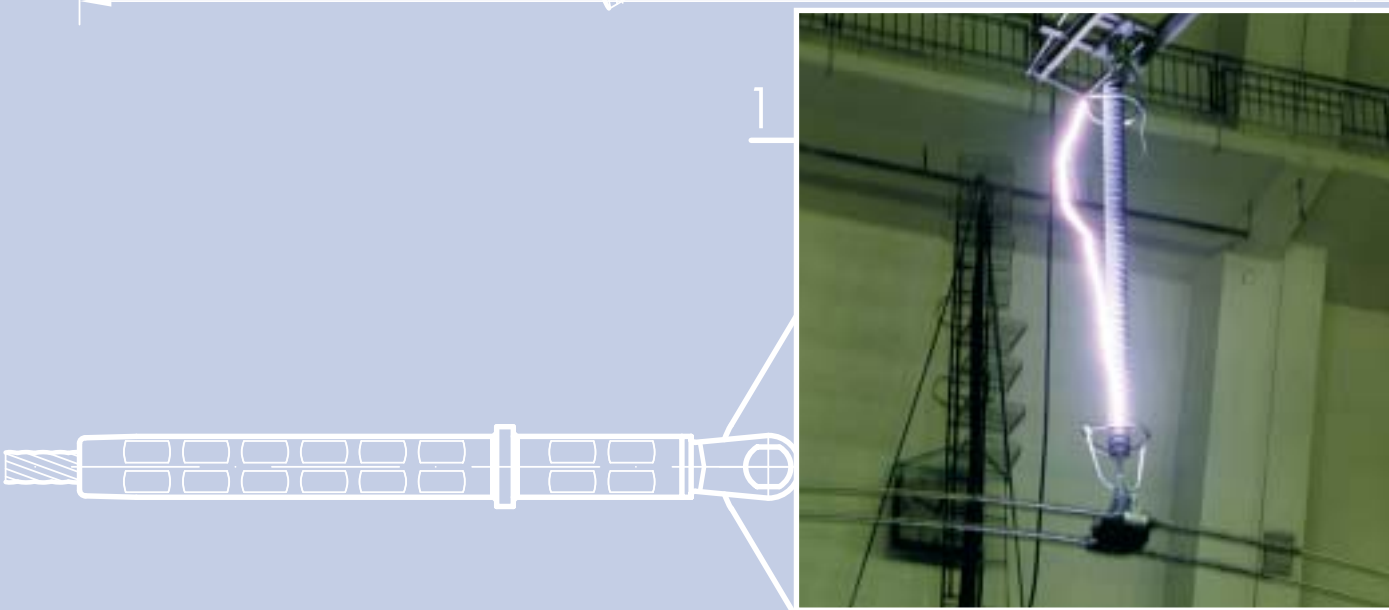
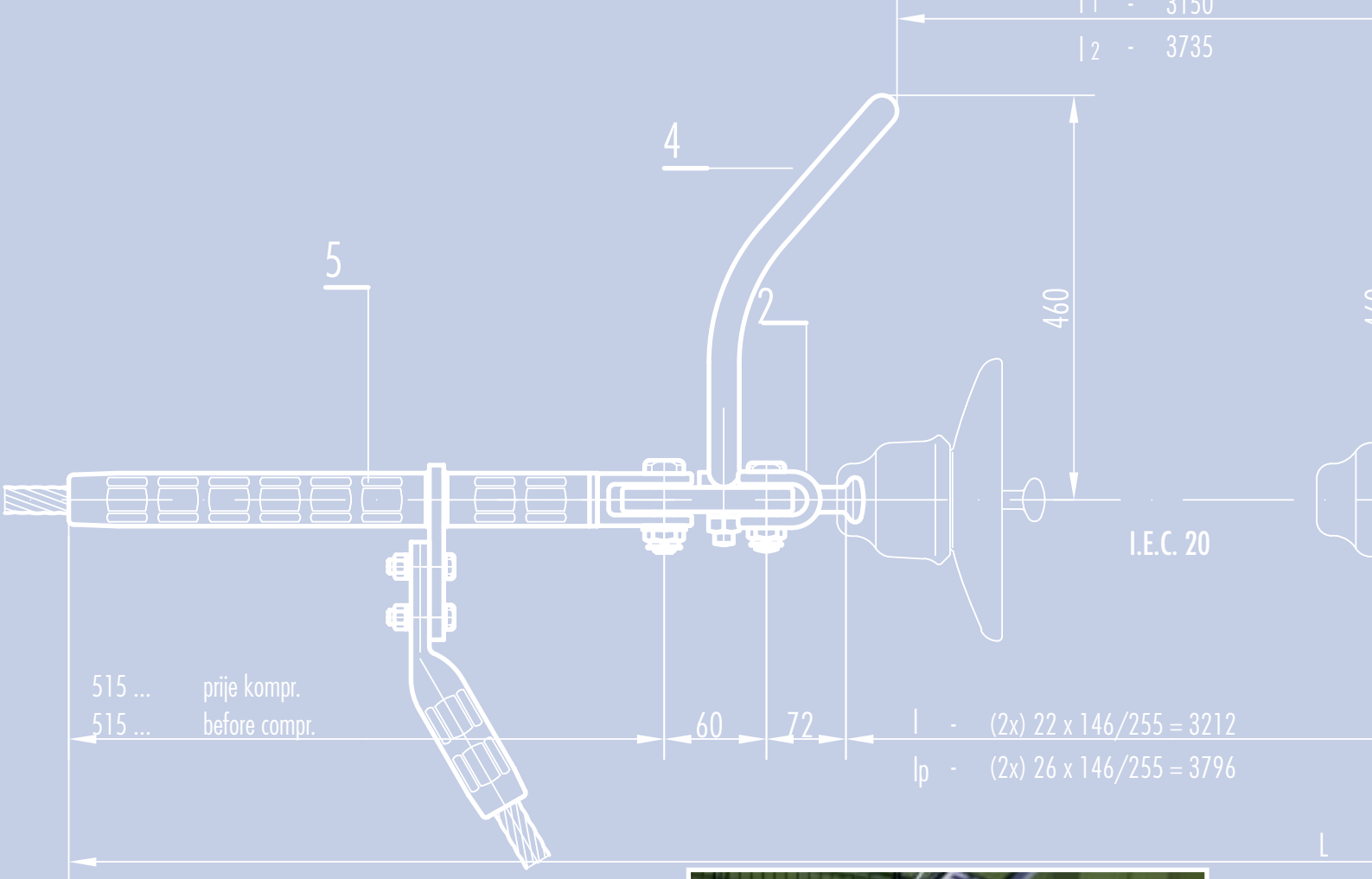
For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.45.20	1	0.70
2.	29.13.80	2	5.70
3.	22.57.20	2	0.90
4.	41.61.68G	2	5.20
5.	24.87.80.20	2	1.80
6.	22.45.20	1	0.70
7.	50.00.000	1	.
8.	41.62.67G	2	4.80
9.	22.99.10	1	1.80
10.	22.84.10	1	1.70



6

IZOLATORSKI LANCI ZA 220 kV

INSULATOR STRINGS FOR 220 kV

JEDNOSTRUKI NOSNI LANAC
sa kapastim izolatorima

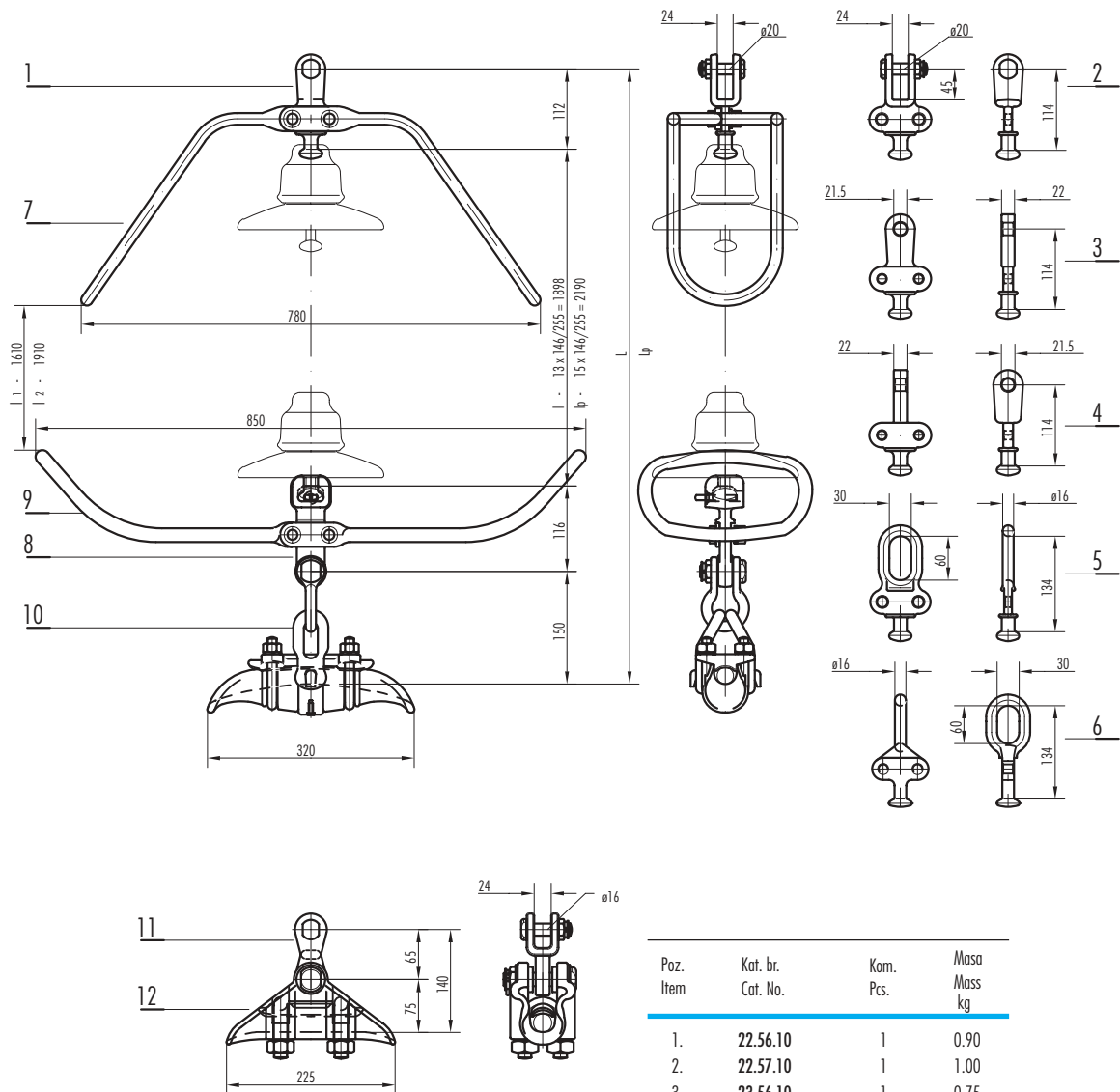
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

120 kN, zglobna veza 16, IEC 120
SINGLE SUSPENSION STRING
with cap and pin insulators

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120

INSULATOR STRINGS FOR 220 kV

**DVOSTRUKI NOSNI LANAC
sa kapastim izolatorima**

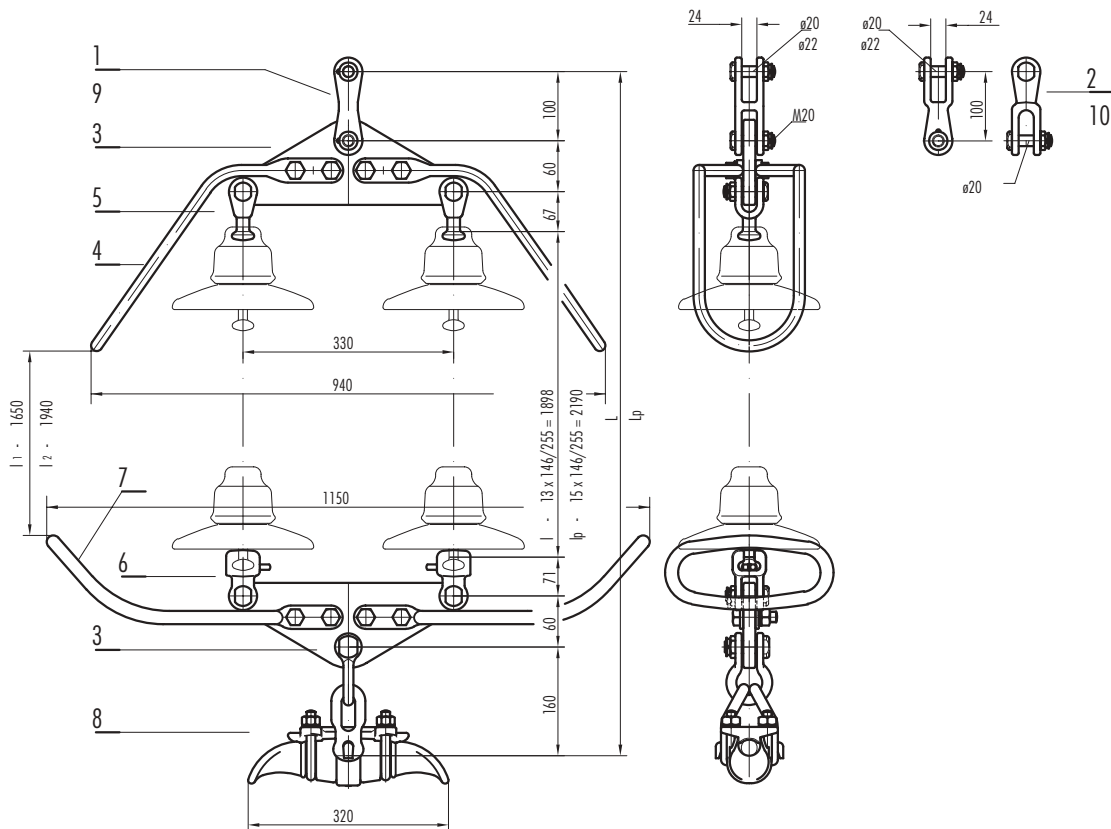
Za Al, Al - legura i Al - Fe vodiče
Minimalna prekidna sila (bez nosne stezaljke)

210 kN, zglobna veza 16, IEC 120

**DOUBLE SUSPENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR
Minimum breaking strength (without suspension clamp)

210 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.84.10	1	1.70
2.	22.99.10	1	1.80
3.	29.55.90.2	2	5.10
4.	41.21.47	2	2.35
5.	22.23.10	2	0.65
6.	24.60.10	2	1.00
7.	41.23.47	2	5.50
8.	12.30.10	1	4.65
9.	22.84.20	1	1.75
10.	22.99.20	1	1.80

**"V" JEDNOSTRUKI NOSNI LANAC
sa kapastim izolatorima**

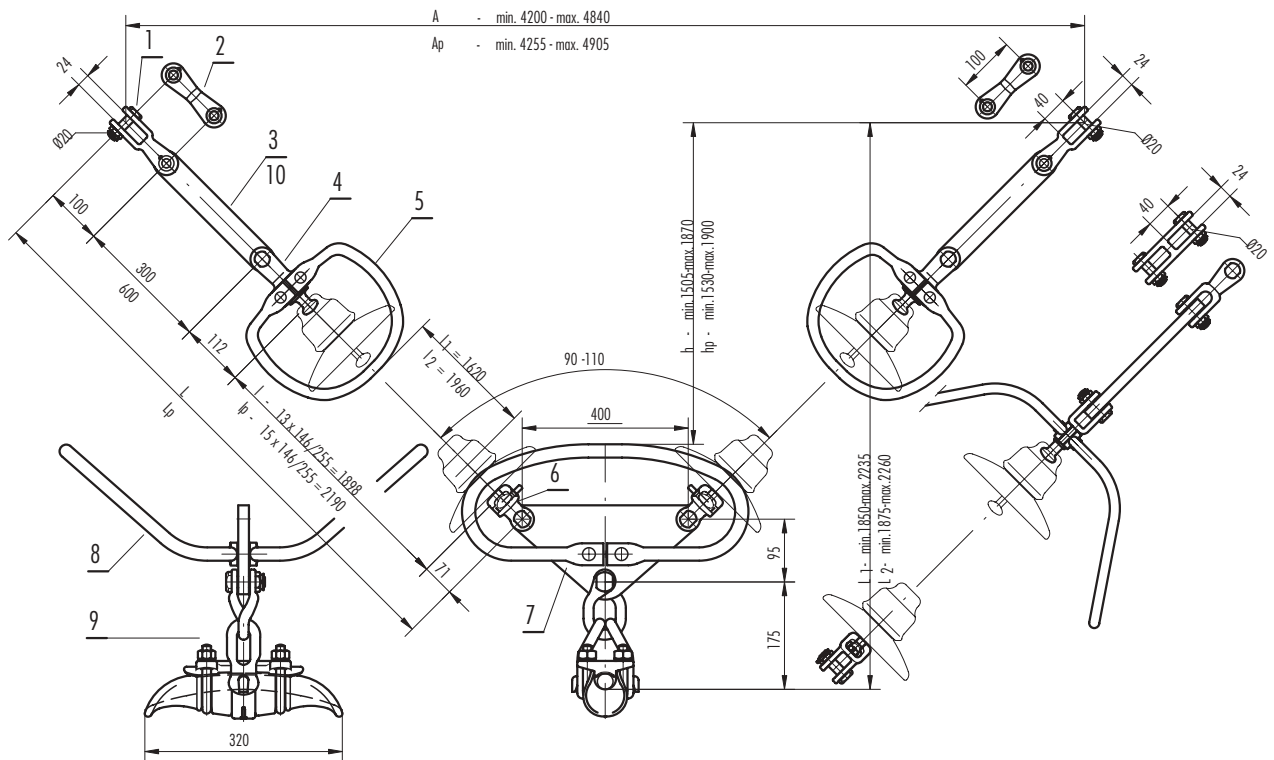
Za Al, Al - legura i Al - Fe vodice

Minimalna prekidna sila (bez nosne stezaljke)

120 kN, zglobna veza 16, IEC 120
**SINGLE "V" SUSPENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.99.10	2	1.80
2.	22.84.10	2	1.70
3.	26.66.30.20	2	2.90
4.	22.56.10	2	0.90
5.	41.24.65	4	1.90
6.	24.60.30	2	1.00
7.	29.82.10A	1	8.40
8.	41.24.59	2	7.15
9.	12.30.20	1	4.90
10.	26.66.60	2	5.46

INSULATOR STRINGS FOR 220 kV

**JEDNOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima**

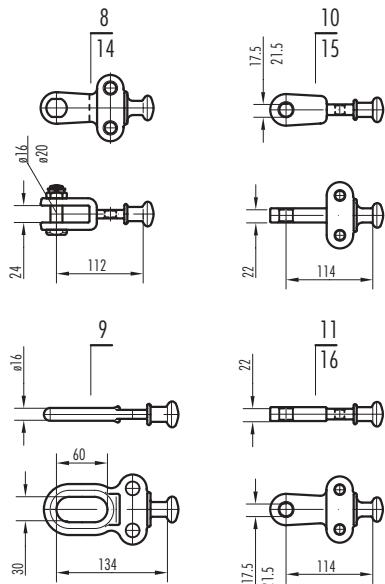
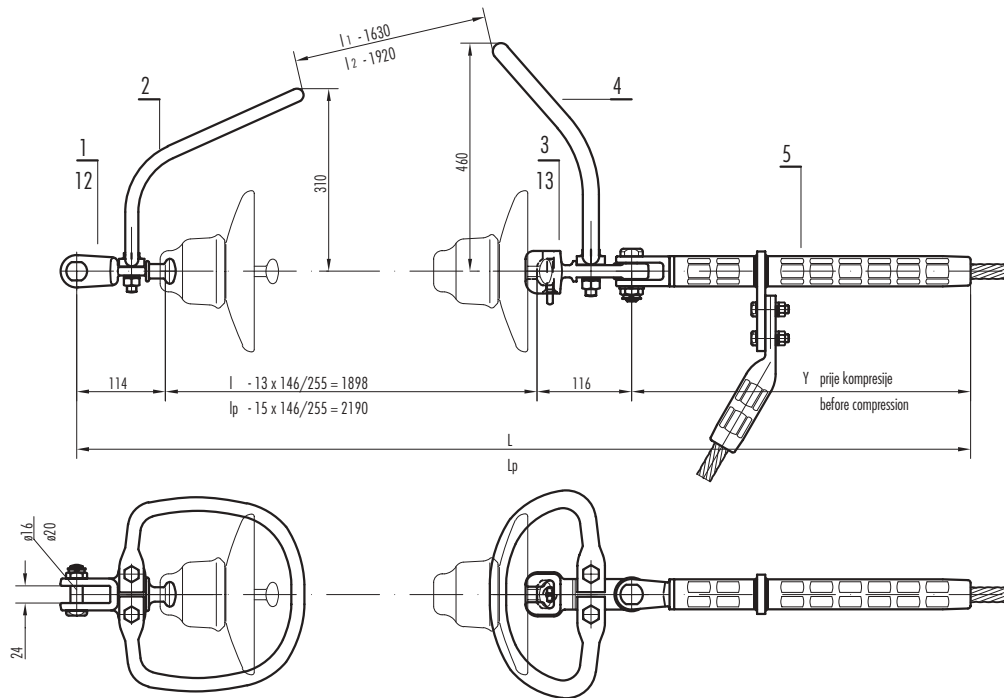
Za Al., Al. legura i Al-Fe vodiče
Minimalna prekidna sila (bez zatezne stezaljke)

120 kN, zglobna veza 16, IEC 120

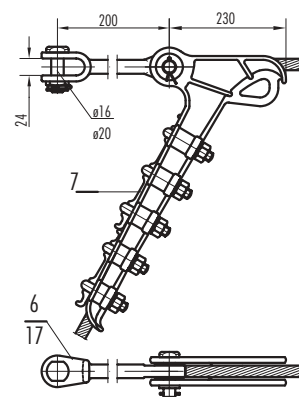
**SINGLE TENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR
Minimum breaking strength (without tension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.57.20	1	0.80
2.	41.24.45	1	1.95
3.	24.33.10	1	1.10
4.	41.24.47	1	4.65
5.	50.00.000	1	.
6.	26.36.30A	1	0.90
7.	16.30.10.40	1	6.30
8.	22.56.20	1	0.80
9.	21.37.50	1	0.68
10.	23.57.20	1	0.65
11.	23.56.20	1	0.75
12.	22.57.10	1	1.00
13.	24.33.20	1	1.00
14.	22.56.10	1	0.90
15.	23.57.10	1	0.65
16.	23.56.10	1	0.75
17.	26.36.70A	1	1.05



**DVOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima**

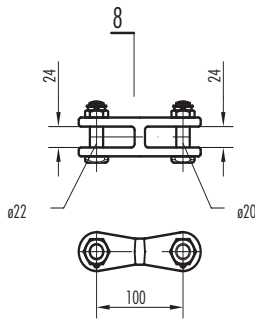
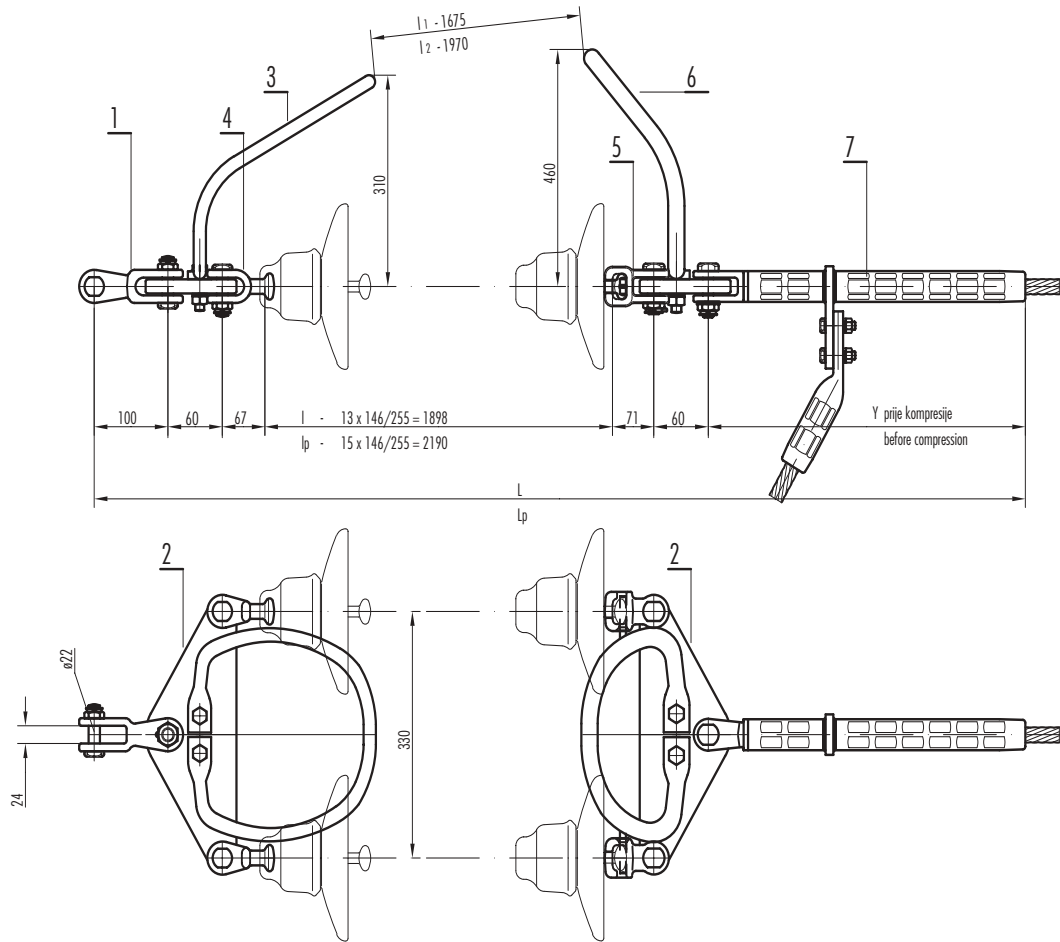
Za Al, Al - legura i Al - Fe vodiče
Minimalna prekidna sila (bez zatezne stezaljke)

210 kN, zglobna veza 16, IEC 120

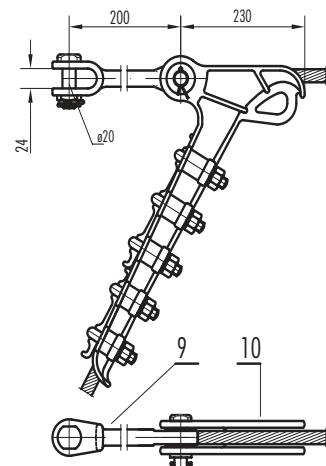
**DOUBLE TENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR
Minimum breaking strength (without tension clamp)

210 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.99.20	1	1.80
2.	29.55.90	2	5.10
3.	41.24.45	1	1.95
4.	22.23.10	2	0.65
5.	24.60.10	2	1.00
6.	41.24.47	1	4.65
7.	50.00.000	1	.
8.	22.84.20	1	1.75
9.	43.26.50A	1	1.40
10.	16.30.10.40	1	6.30



**DVOSTRUKI ZATEZNI
PREPLITAJNI LANAC
sa kapastim izolatorima**

Za Al, Al - legura i Al - Fe vodice

Minimalna prekidna sila (bez zatezne stezaljke)

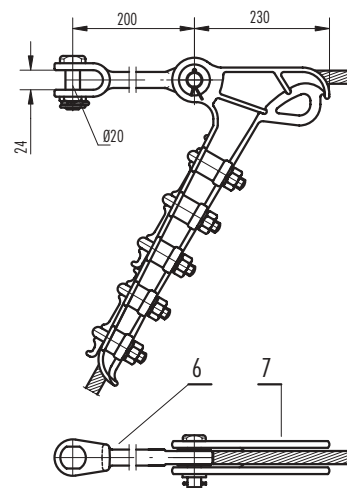
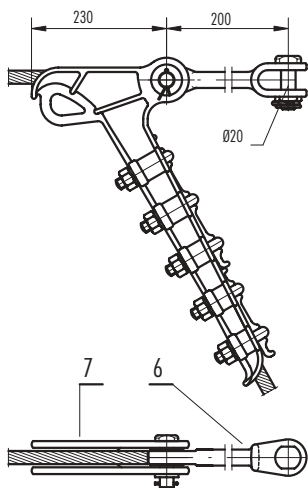
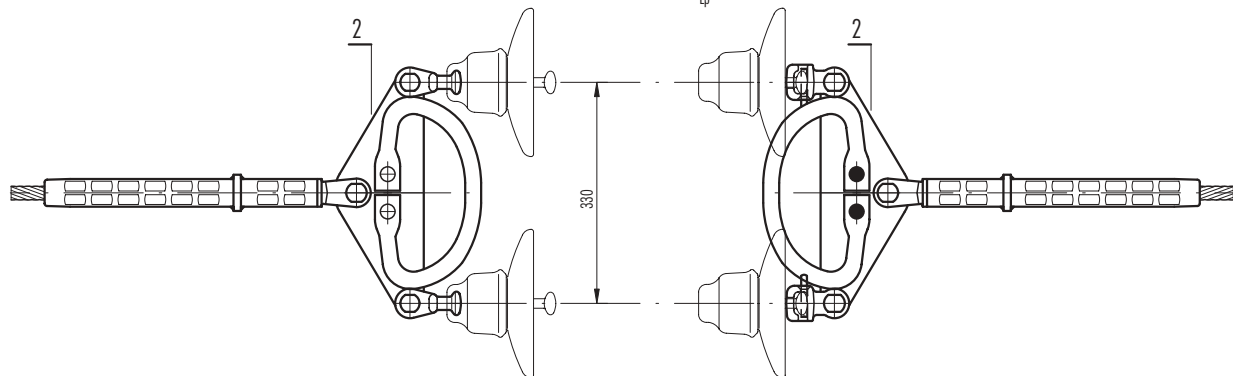
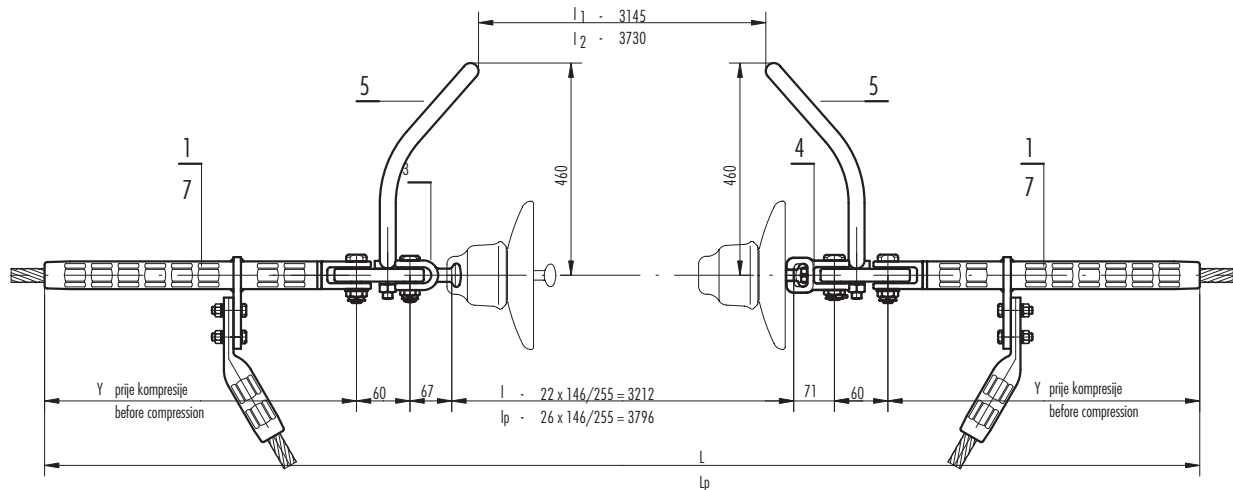
210 kN, zglobna veza 16, IEC 120

**DOUBLE TENSION
TRANSPOSITION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

210 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	50.00.000	2	.
2.	29.55.90	2	5.10
3.	22.23.10	2	0.65
4.	24.60.10	2	1.00
5.	41.24.47	2	4.65
6.	43.26.50A	2	1.40
7.	16.30.10.40	2	6.30

JEDNOSTRUKI NOSNI LANAC
sa kapastim izolatorima

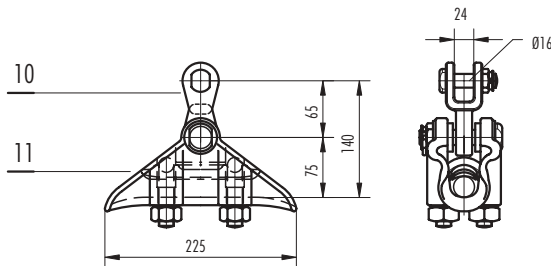
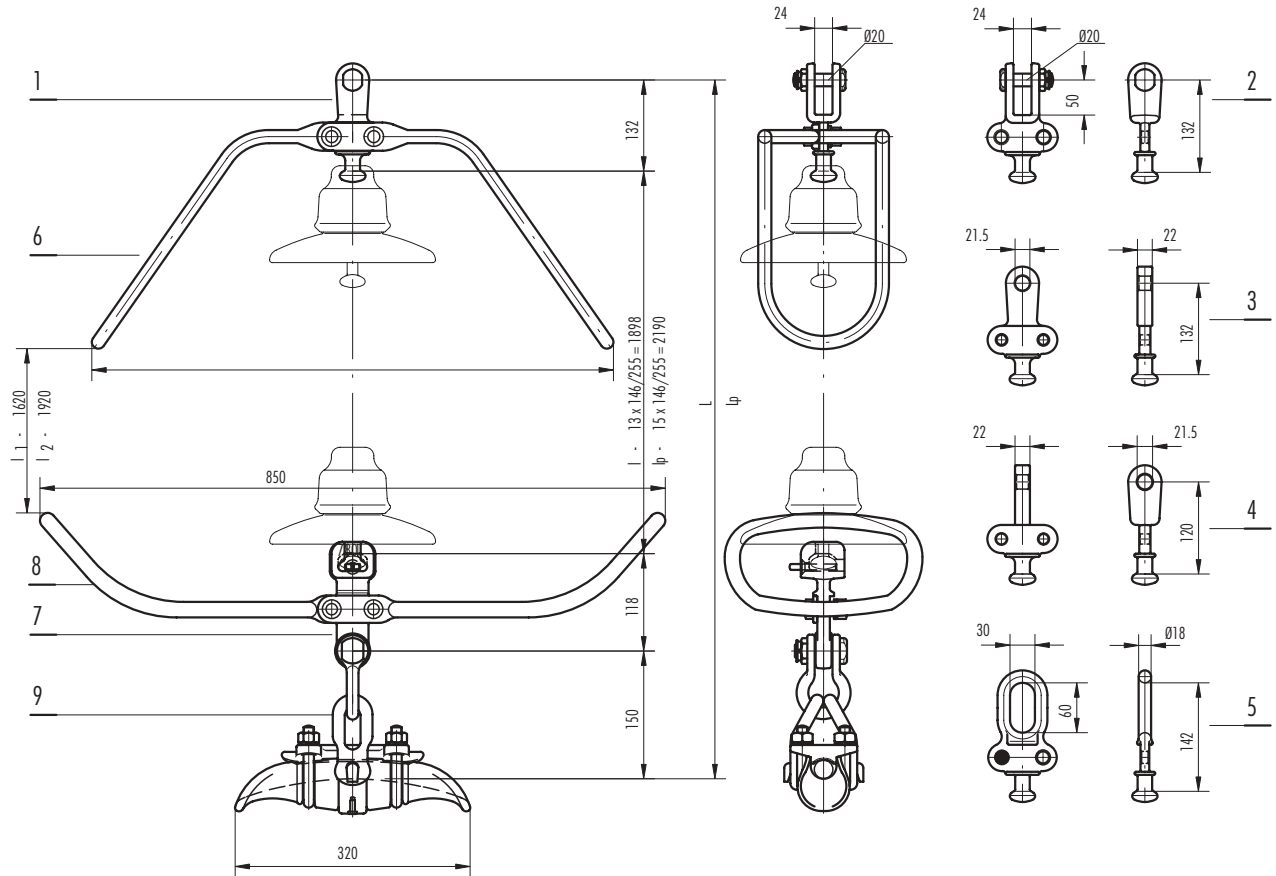
Za Al, Al - legura i Al - Fe vodice
 Minimalna prekidna sila (bez nosne stezaljke)

160 kN, zglobna veza 20, IEC 120

SINGLE SUSPENSION STRING
with cap and pin insulators

For AAC, AAAC and ACSR
 Minimum breaking strength (without suspension clamp)

160 kN, standard coupling 20, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.59.20	1	1.68
2.	22.58.20	1	1.75
3.	23.59.20	1	1.30
4.	23.58.30	1	1.20
5.	21.77.10	1	0.93
6.	41.21.45	2	1.90
7.	24.34.20	1	1.45
8.	41.23.45	2	4.30
9.	12.30.10.1	1	4.40
10.	22.09.10	1	0.59
11.	10.35.10	1	2.40

INSULATOR STRINGS FOR 220 kV

**DVOSTRUKI NOSNI LANAC
sa kapastim izolatorima**

Za Al, Al - legura i Al - Fe vodice

Minimalna prekidna sila (bez nosne stezaljke)

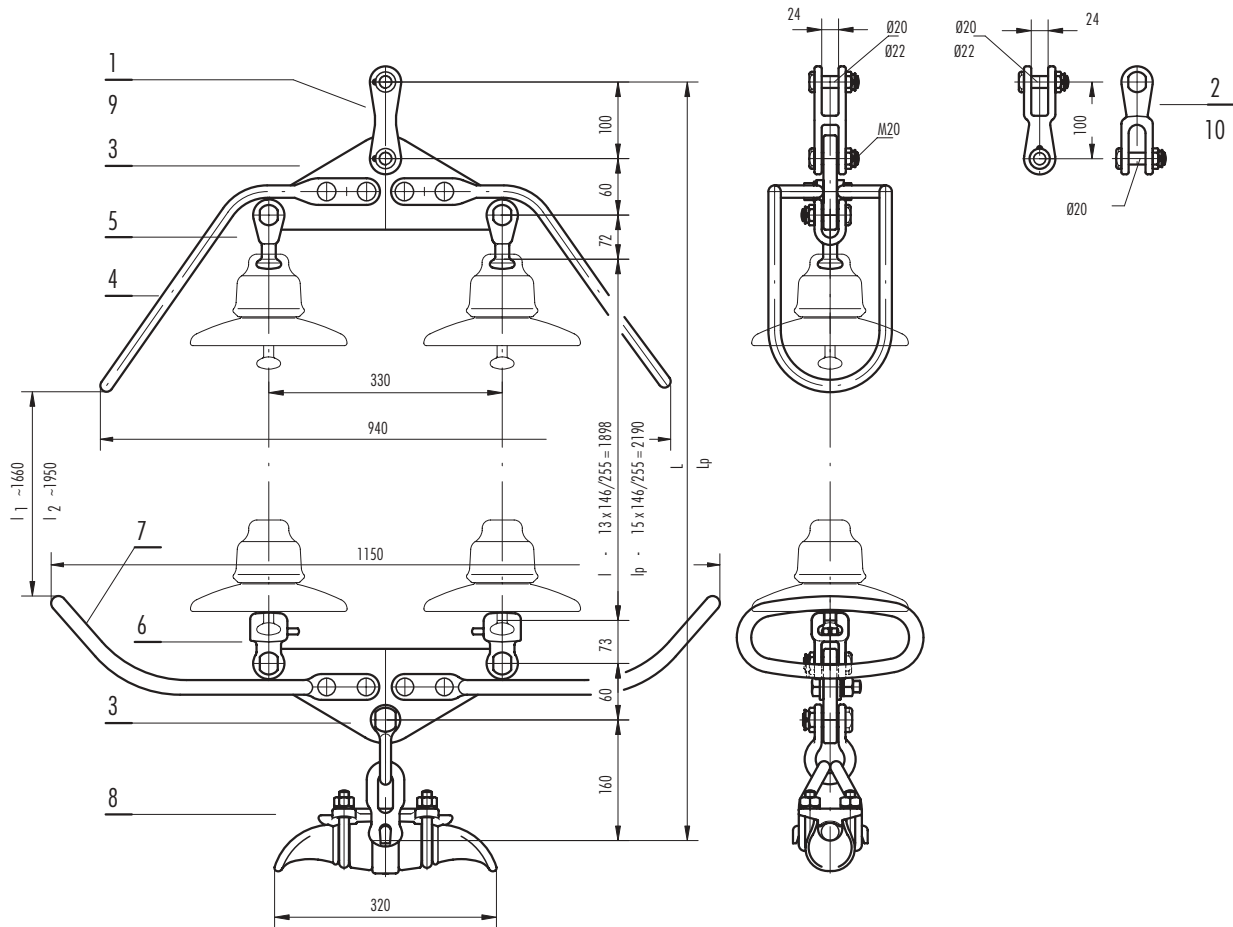
210 kN, zglobna veza 20, IEC 120

**DOUBLE SUSPENSION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

210 kN, standard coupling 20, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.84.10	1	1.70
2.	22.99.10	1	1.80
3.	29.55.90.2	2	5.10
4.	41.21.47	2	2.35
5.	23.48.20	2	0.90
6.	24.80.20	2	1.28
7.	41.23.47	2	5.50
8.	12.30.10	1	4.65
9.	22.84.20	1	1.75
10.	22.99.20	1	1.80

INSULATOR STRINGS FOR 220 kV

JEDNOSTRUKI ZATEZNI LANAC sa kapastim izolatorima

Za Al, Al - legura i Al - Fe vodice

Minimalna prekidna sila (bez zatezne stezaljke)

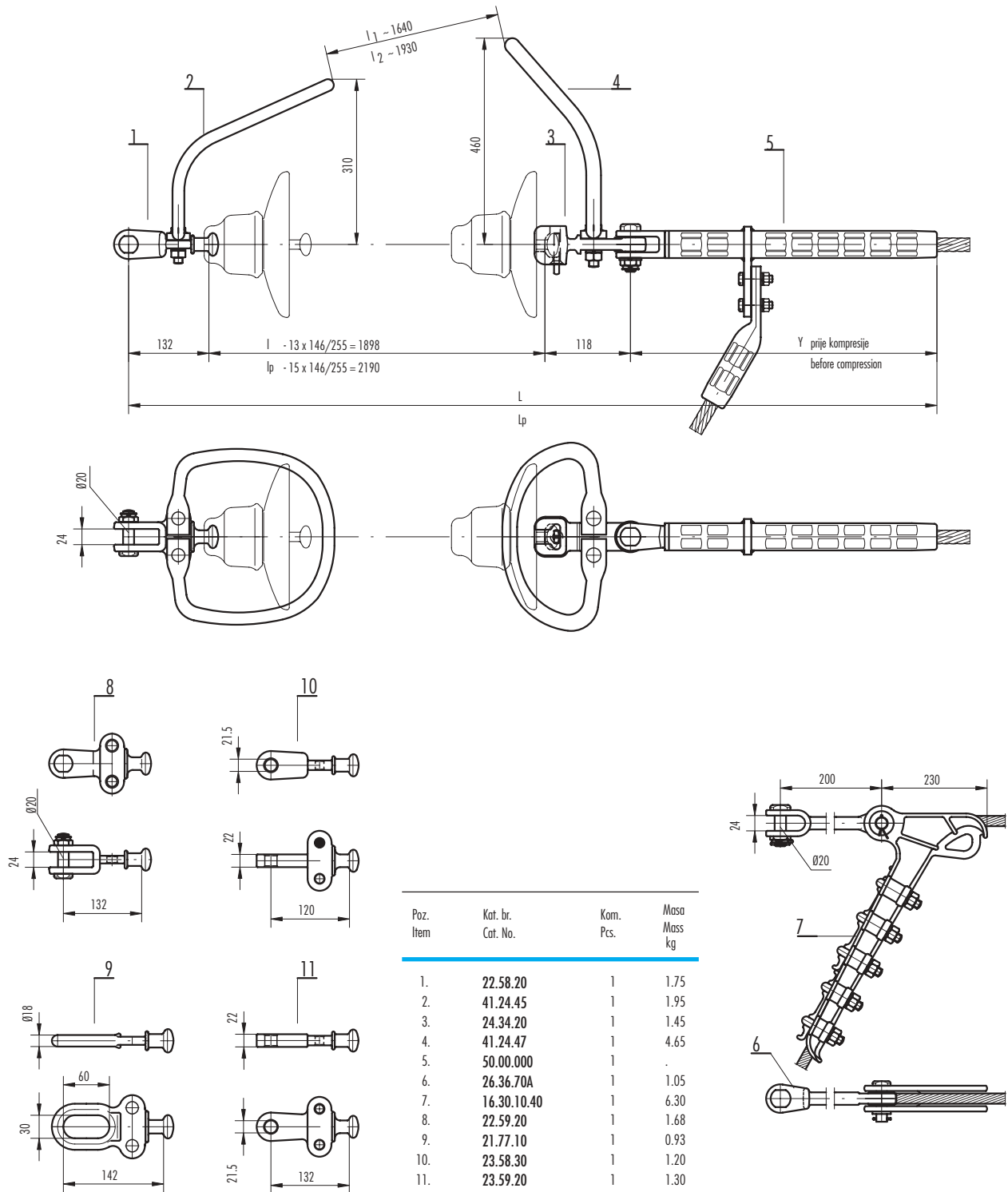
160 kN, zglobna veza 20, IEC 120

SINGLE TENSION STRING with cap and pin insulators

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

160 kN, standard coupling 20, IEC 120



DVOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima

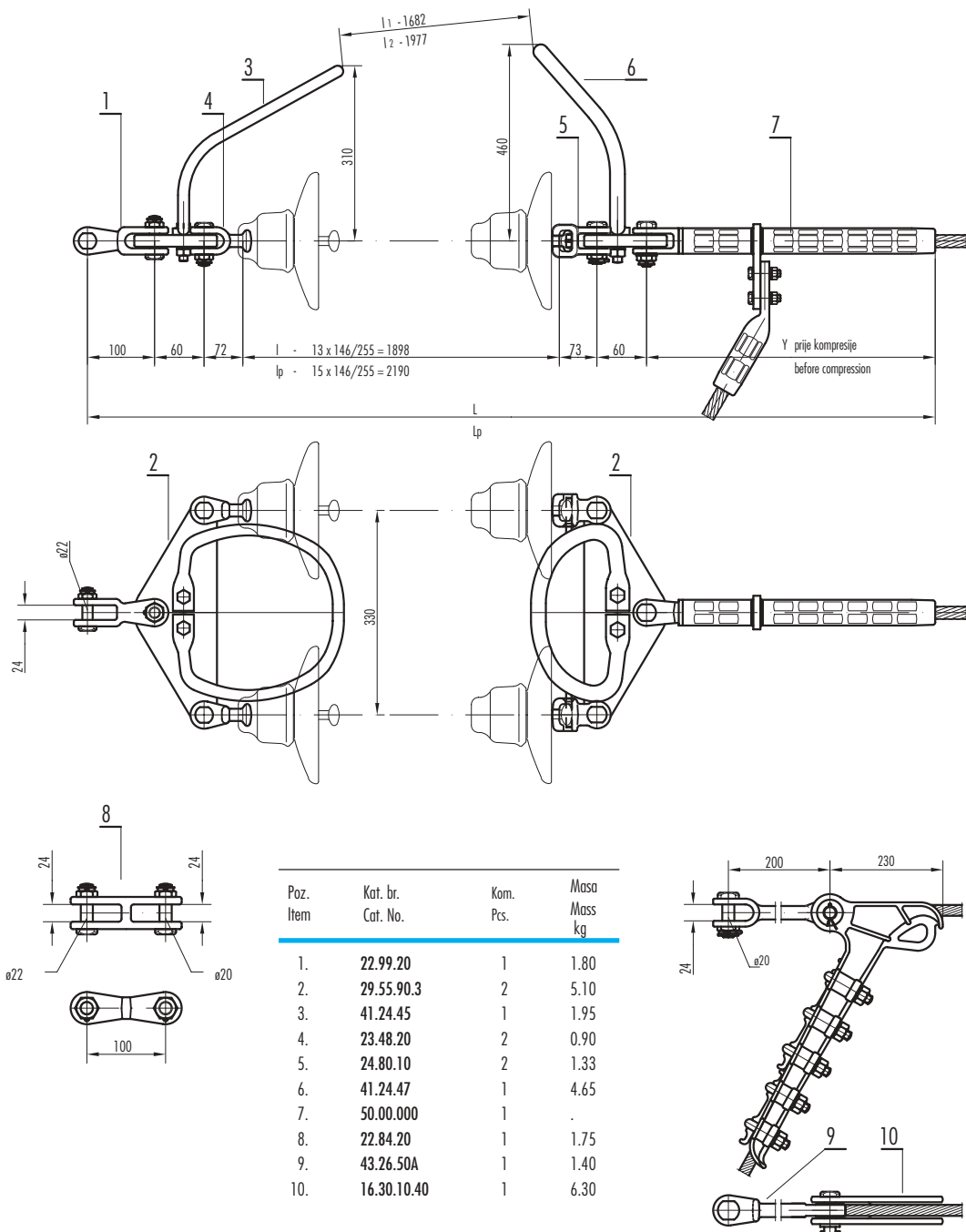
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

210 kN, zglobna veza 20, IEC 120
DOUBLE TENSION STRING
with cap and pin insulators

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

210 kN, standard coupling 20, IEC 120

INSULATOR STRINGS FOR 220 kV

**DVOSTRUKI ZATEZNI
PREPLITAJNI LANAC
sa kapastim izolatorima**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

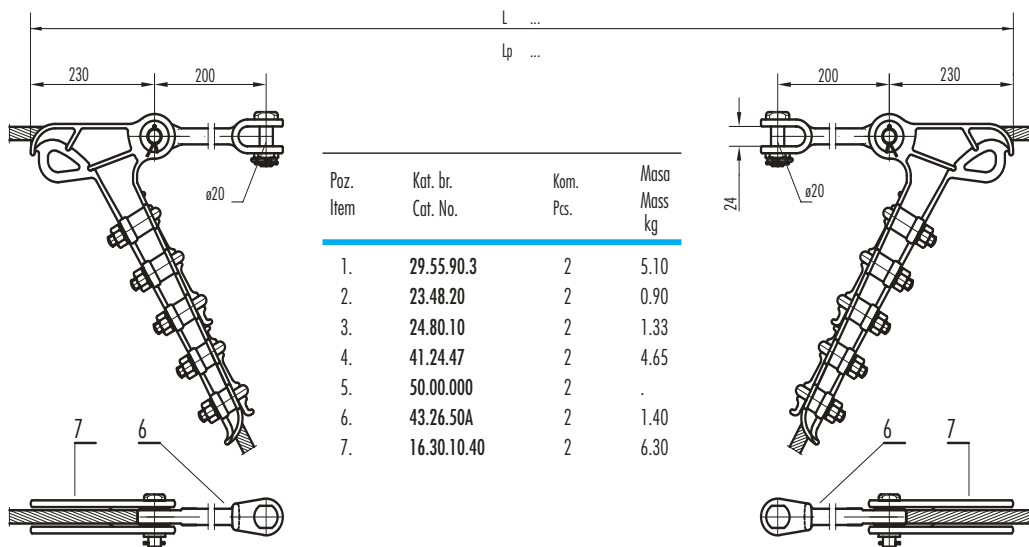
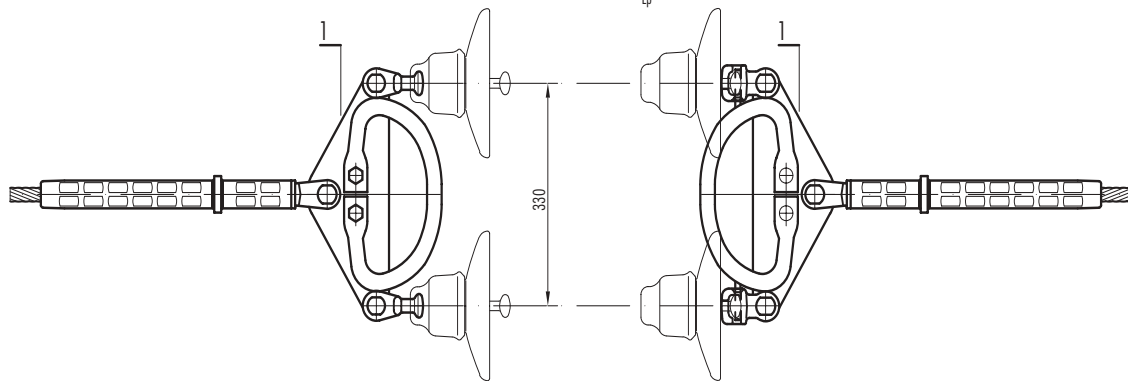
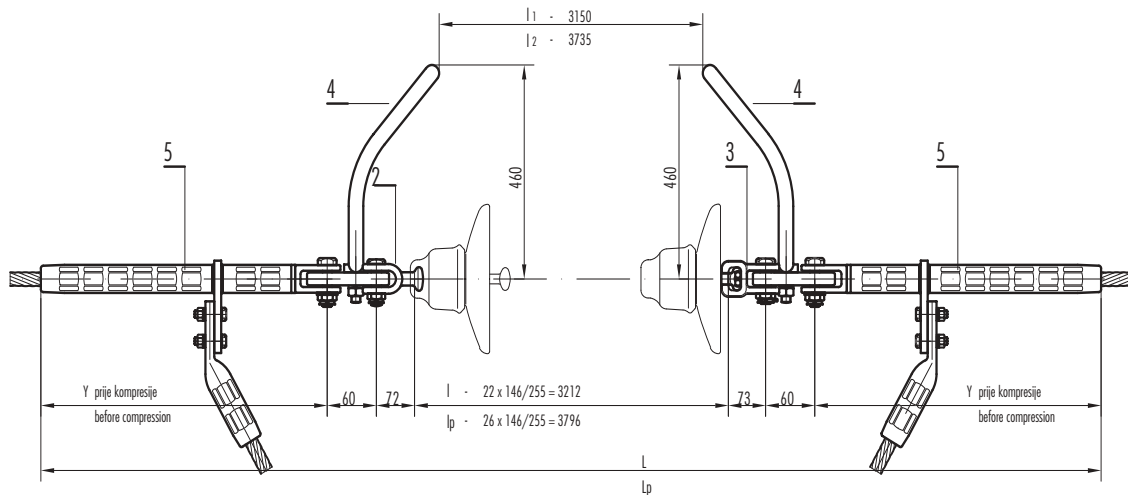
210 kN, zglobna veza 20, IEC 120

**DOUBLE TENSION
TRANSPOSITION STRING
with cap and pin insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

210 kN, standard coupling 20, IEC 120



JEDNOSTRUKI NOSNI LANAC
sa kapastim izolatorima
za dva vodiča u snopu

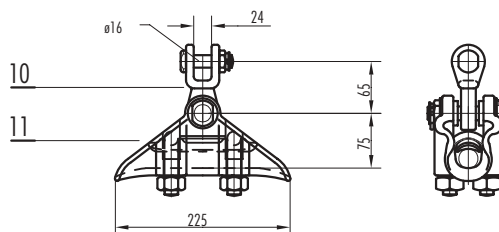
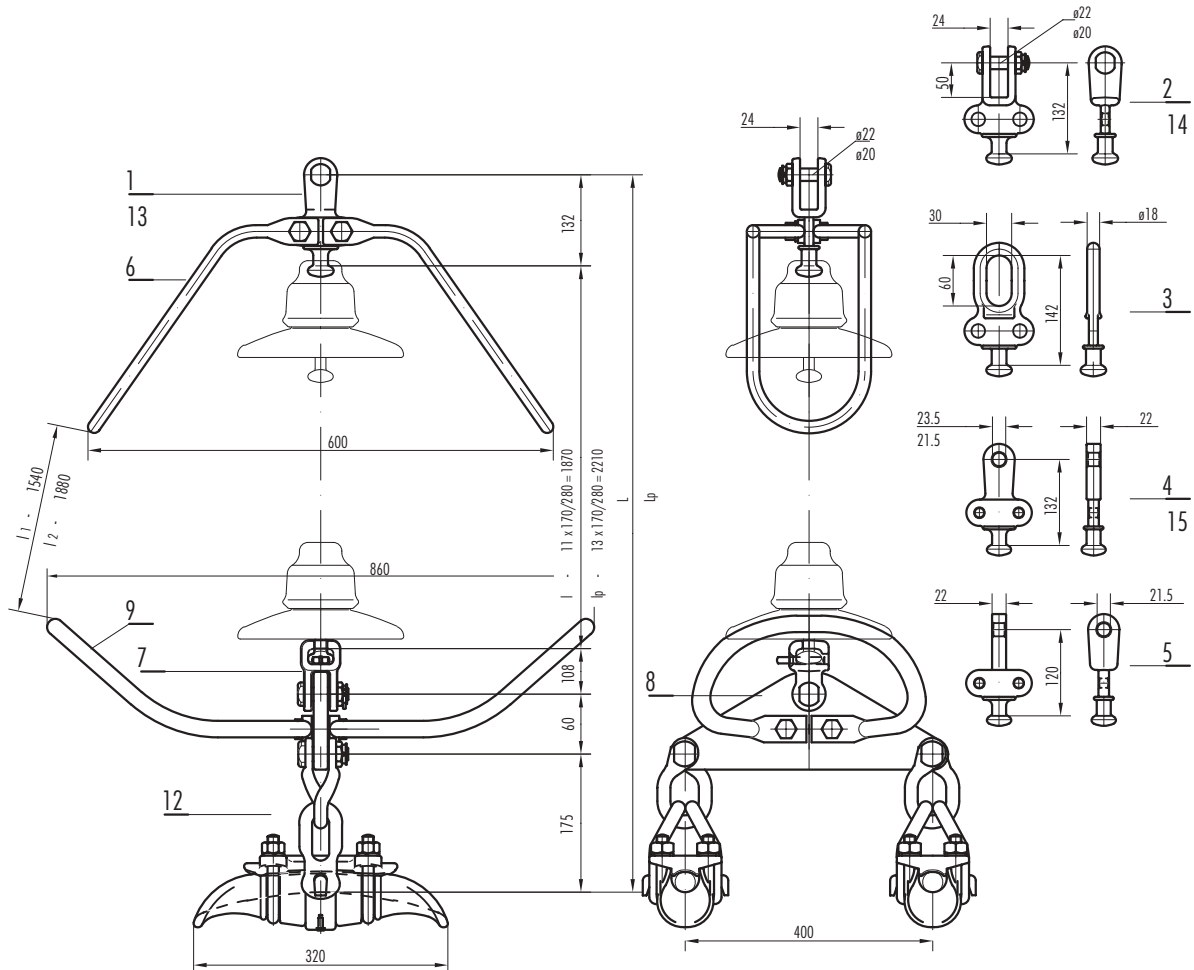
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

160 kN, zglobna veza 20, IEC 120
SINGLE SUSPENSION STRING
with cap and pin insulators
for twin conductor

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

160 kN, standard coupling 20, IEC 120

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.59.10	1	1.74
2.	22.58.10	1	1.77
3.	21.77.10	1	0.93
4.	23.59.10	1	1.20
5.	23.58.30	1	1.20
6.	41.21.65	2	2.00
7.	24.79.10	1	1.68
8.	43.29.89.60	1	5.85
9.	41.24.49	2	4.90
10.	22.45.10	2	0.60
11.	10.35.10	2	2.40
12.	12.30.20.1	2	4.75
13.	22.59.20	1	1.68
14.	22.58.20	1	1.75
15.	23.59.20	1	1.30

INSULATOR STRINGS FOR 220 kV

**DVOSTRUKI NOSNI LANAC
sa kapastim izolatorima
za dva vodiča u snopu**

Za Al, Al - legura i Al - Fe vodice

Minimalna prekidna sila (bez nosne stezaljke)

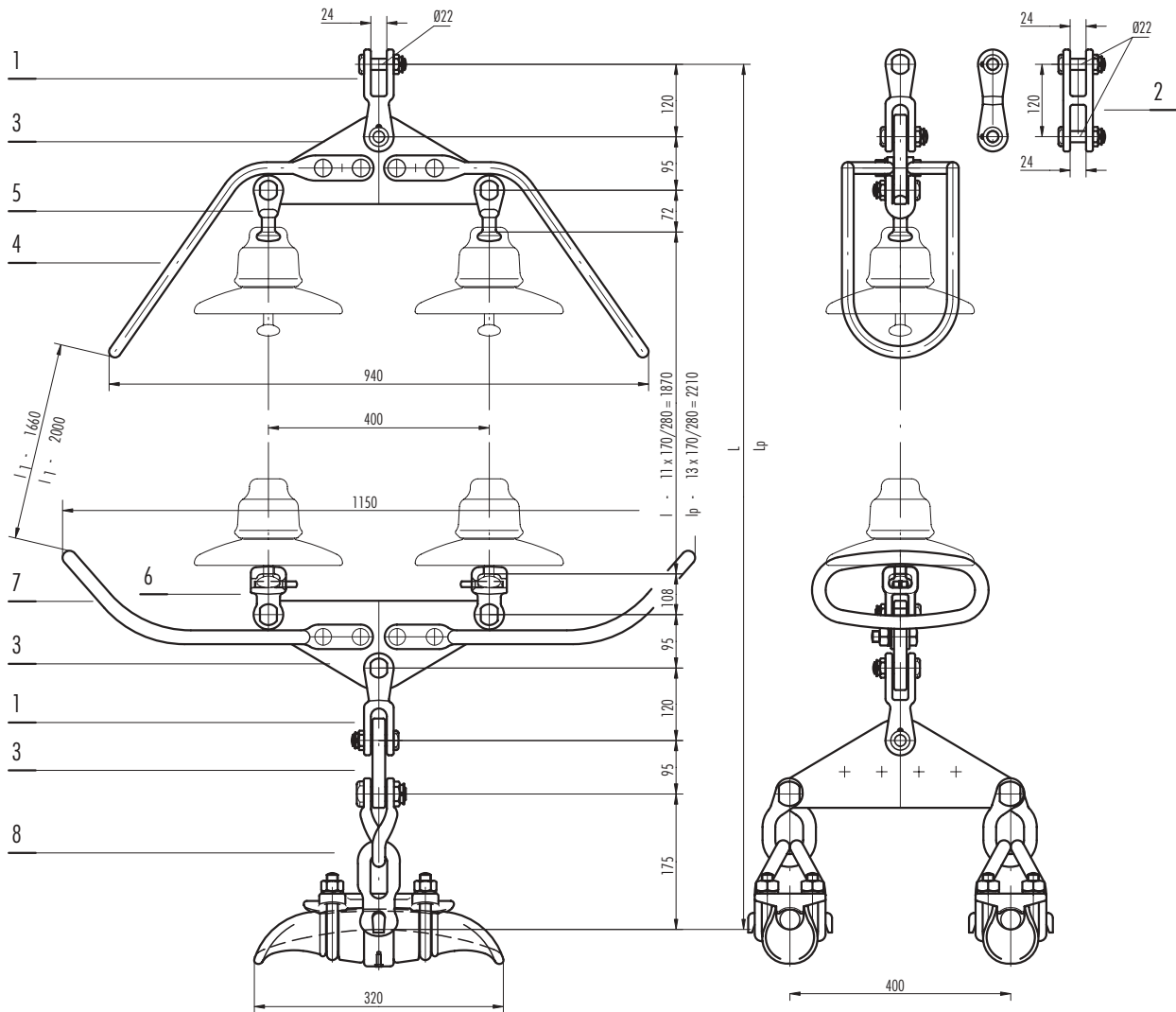
210 kN, zglobna veza 20, IEC 120

**DOUBLE SUSPENSION STRING
with cap and pin insulators
for twin conductor**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

210 kN, standard coupling 20, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.93.10	2	2.60
2.	22.92.10	1	2.50
3.	29.82.10A	3	8.40
4.	41.21.47	2	2.35
5.	23.48.10	2	1.00
6.	24.79.10	2	1.68
7.	41.23.47	2	5.50
8.	12.30.20	1	4.90

"V" JEDNOSTRUKI NOSNI LANAC
sa kapastim izolatorima
za dva vodiča u snopu

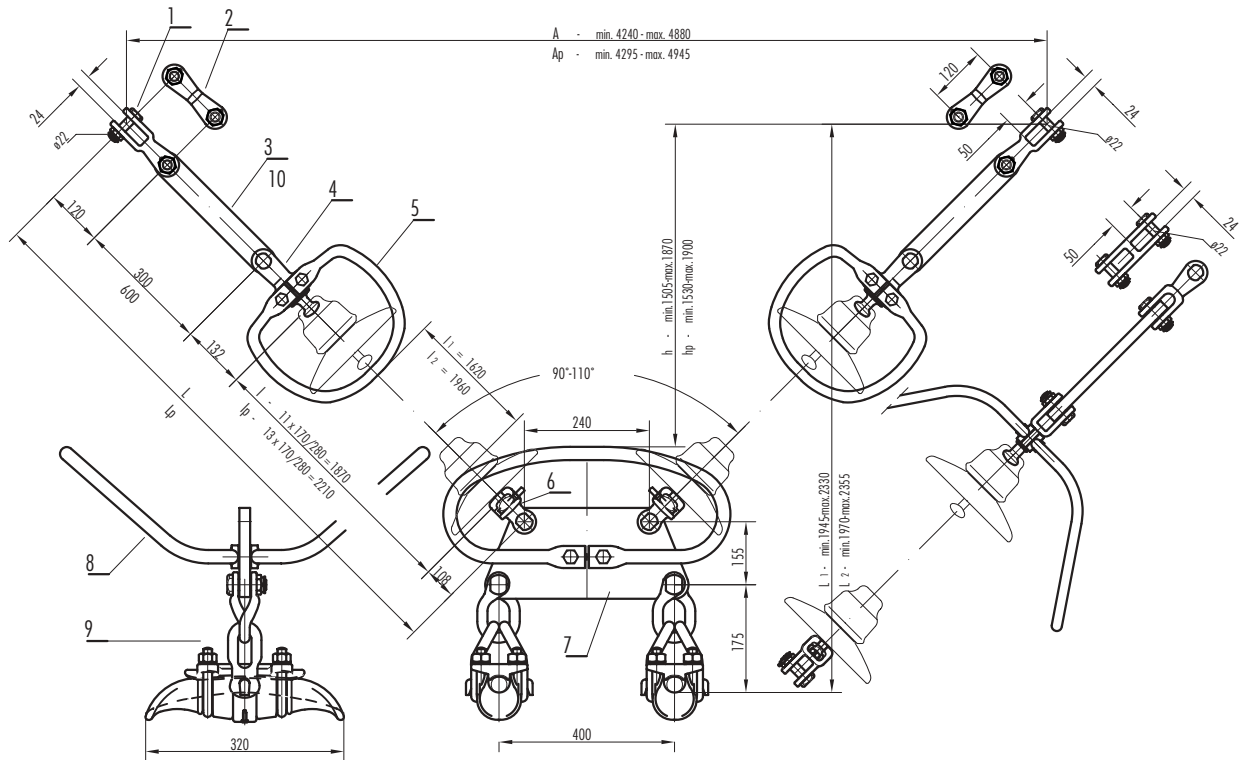
Za A, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

160 kN, zglobna veza 20, IEC 120
SINGLE "V" SUSPENSION STRING
with cap and pin insulators
for twin conductor

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

160 kN, standard coupling 20, IEC 120


Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.93.10	2	2.60
2.	22.92.10	2	2.50
3.	26.67.30	2	2.85
4.	22.59.10	2	1.74
5.	41.24.65	4	1.90
6.	24.79.10	2	1.68
7.	29.10.20L	1	13.30
8.	41.24.59	2	7.15
9.	12.30.20.1	2	4.75
10.	26.67.60	2	5.45

INSULATOR STRINGS FOR 220 kV

**JEDNOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima
za dva vodiča u snopu**

Za Al, Al - legura i Al - Fe vodice

Minimalna prekidna sila (bez zatezne stezaljke)

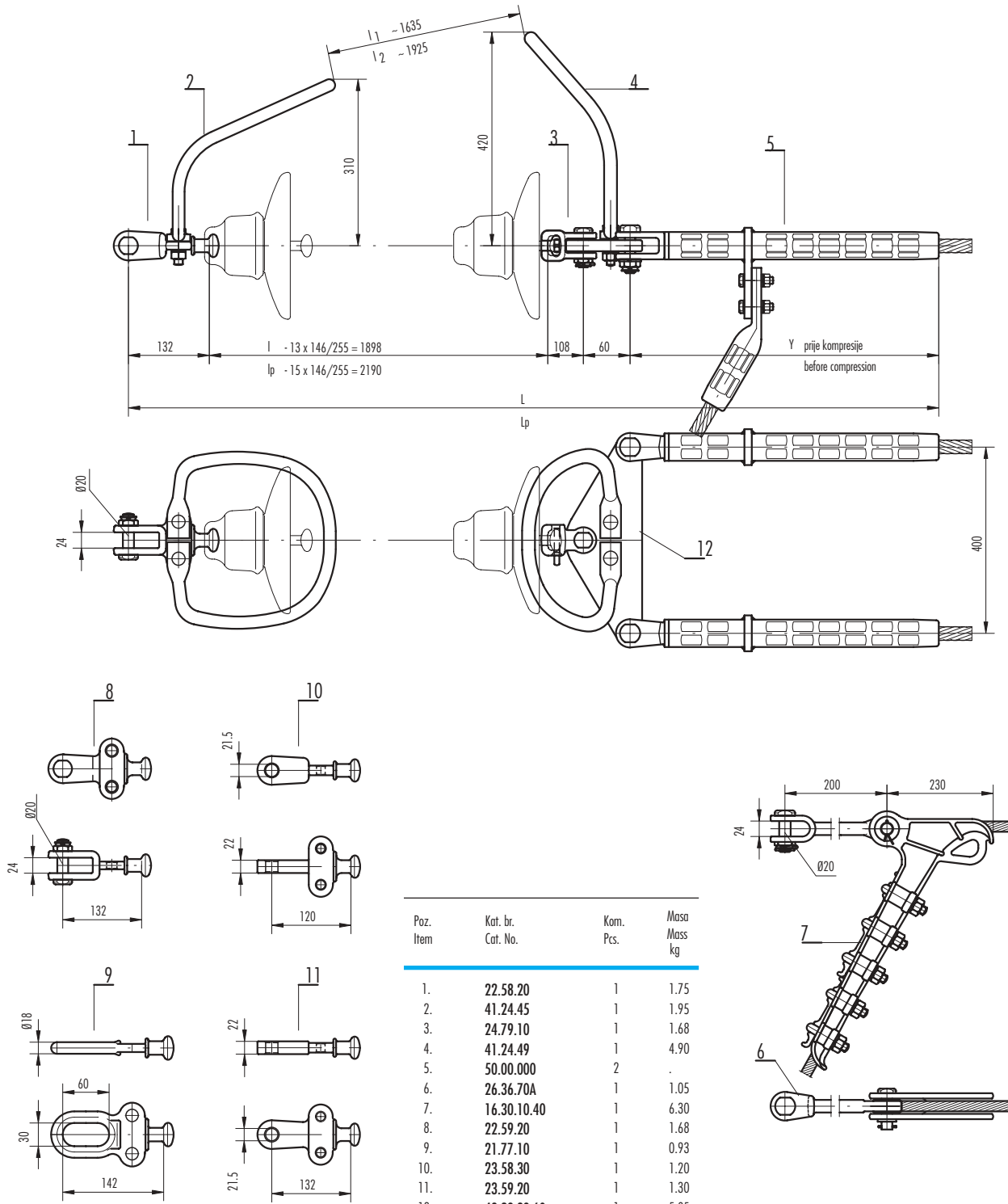
160 kN, zglobna veza 20, IEC 120

**SINGLE TENSION STRING
with cap and pin insulators
for twin conductor**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

160 kN, standard coupling 20, IEC 120



DVOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima
za dva vodiča u snopu

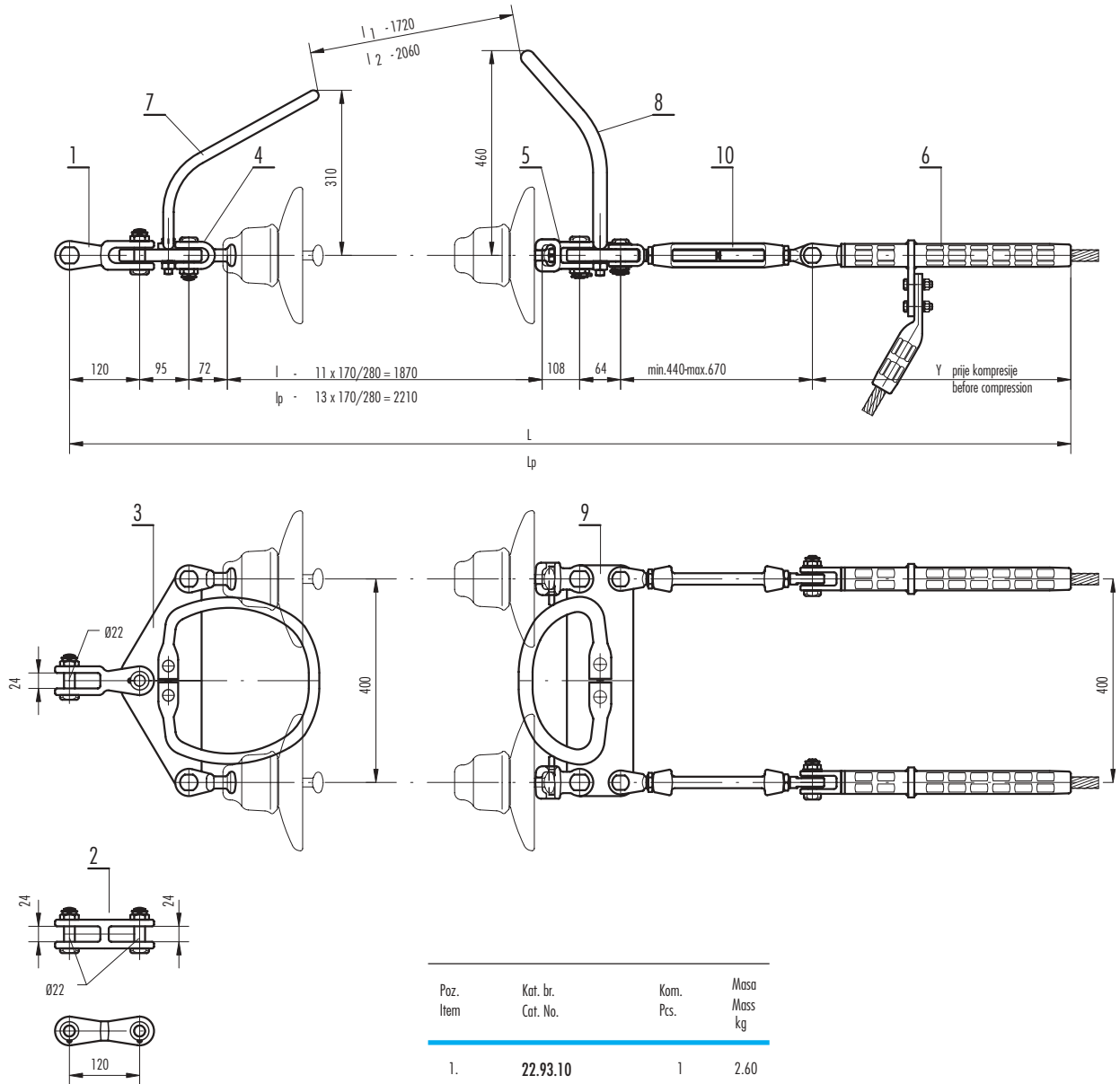
Za Al, Al - legura i Al - Fe vodiče
 Minimalna prekidna sila (bez zatezne stezaljke)

210 kN, zglobna veza 20, IEC 120

DOUBLE TENSION STRING
with cap and pin insulators
for twin conductor

For AAC, AAAC and ACSR
 Minimum breaking strength (without tension clamp)

210 kN, standard coupling 20, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.93.10	1	2.60
2.	22.92.10	1	2.50
3.	29.82.10A	1	8.40
4.	23.48.10	2	1.00
5.	24.79.10	2	1.68
6.	50.00.000	2	.
7.	41.24.45	1	1.95
8.	41.24.47	1	4.65
9.	29.96.10A	1	8.80
10.	25.77.066	2	4.10

INSULATOR STRINGS FOR 220 kV

**JEDNOSTRUKI NOSNI LANAC
sa štavnim izolatorom**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

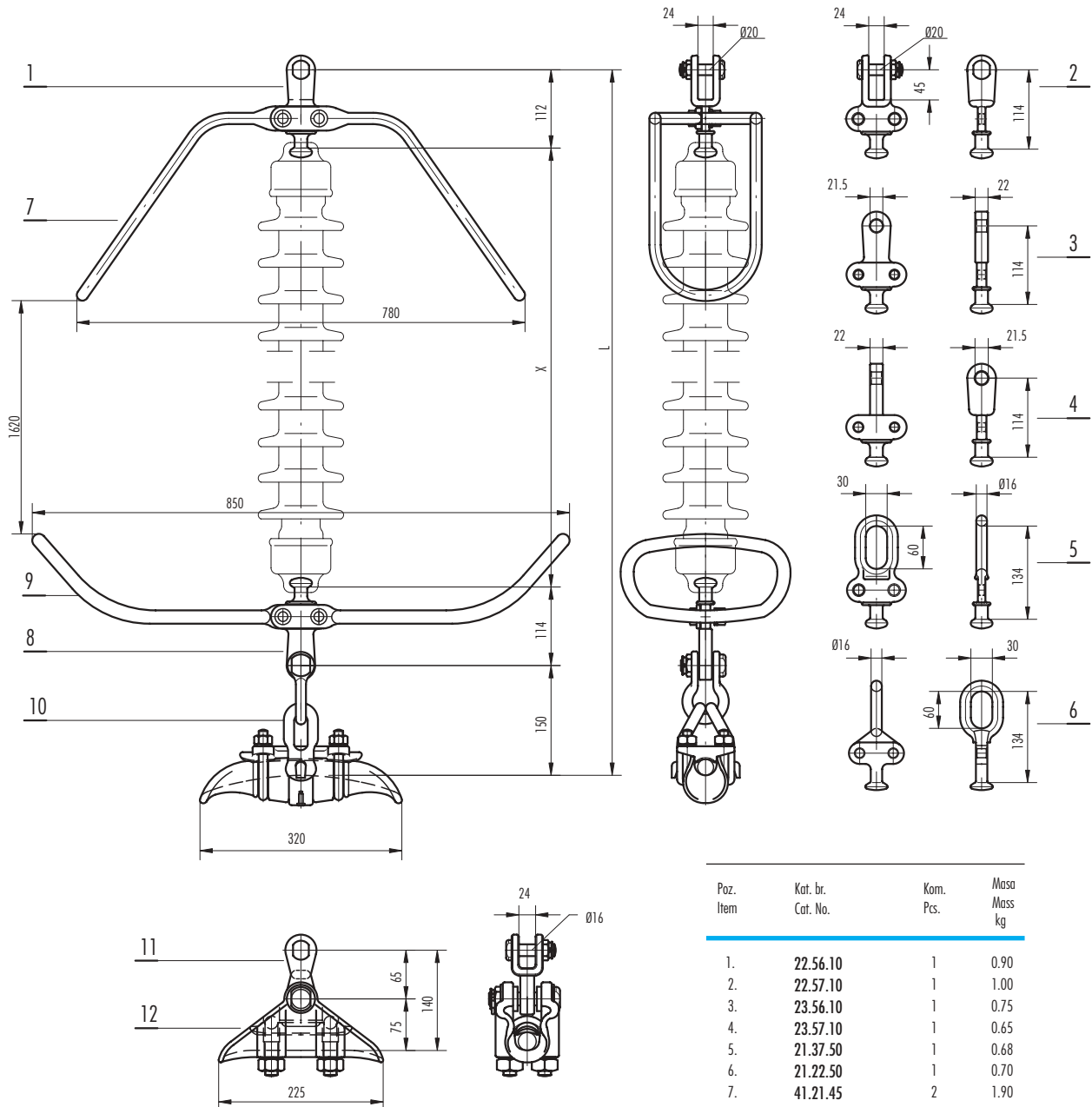
120 kN, zglobna veza 16, IEC 120

**SINGLE SUSPENSION STRING
with rod insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.56.10	1	0.90
2.	22.57.10	1	1.00
3.	23.56.10	1	0.75
4.	23.57.10	1	0.65
5.	21.37.50	1	0.68
6.	21.22.50	1	0.70
7.	41.21.45	2	1.90
8.	23.56.10	1	0.75
9.	41.23.45	2	4.30
10.	12.30.10.1	1	4.40
11.	22.09.10	1	0.59
12.	10.35.10	1	2.40

DVOSTRUKI NOSNI LANAC
sa štapnim izolatorima

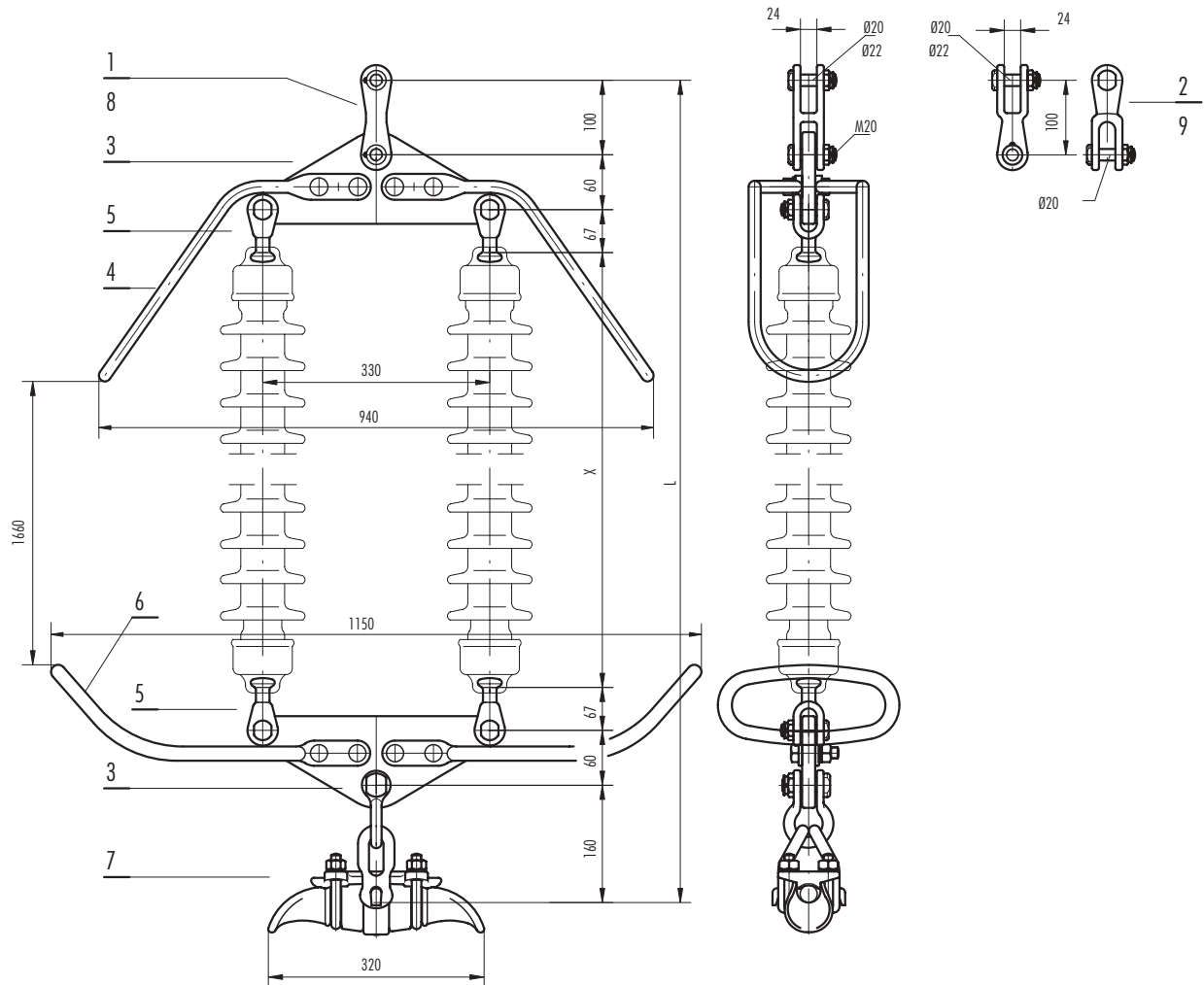
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

210 kN, zglobna veza 16, IEC 120
DOUBLE SUSPENSION STRING
with rod insulators

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

210 kN, standard coupling 16, IEC 120

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.84.10	1	1.70
2.	22.99.10	1	1.80
3.	29.55.90.2	2	5.10
4.	41.21.47	2	2.35
5.	22.23.10	4	0.65
6.	41.23.47	2	5.50
7.	12.30.10	1	4.65
8.	22.84.20	1	1.75
9.	22.99.20	1	1.80

INSULATOR STRINGS FOR 220 kV

**JEDNOSTRUKI ZATEZNI LANAC
sa štapnim izolatorom**

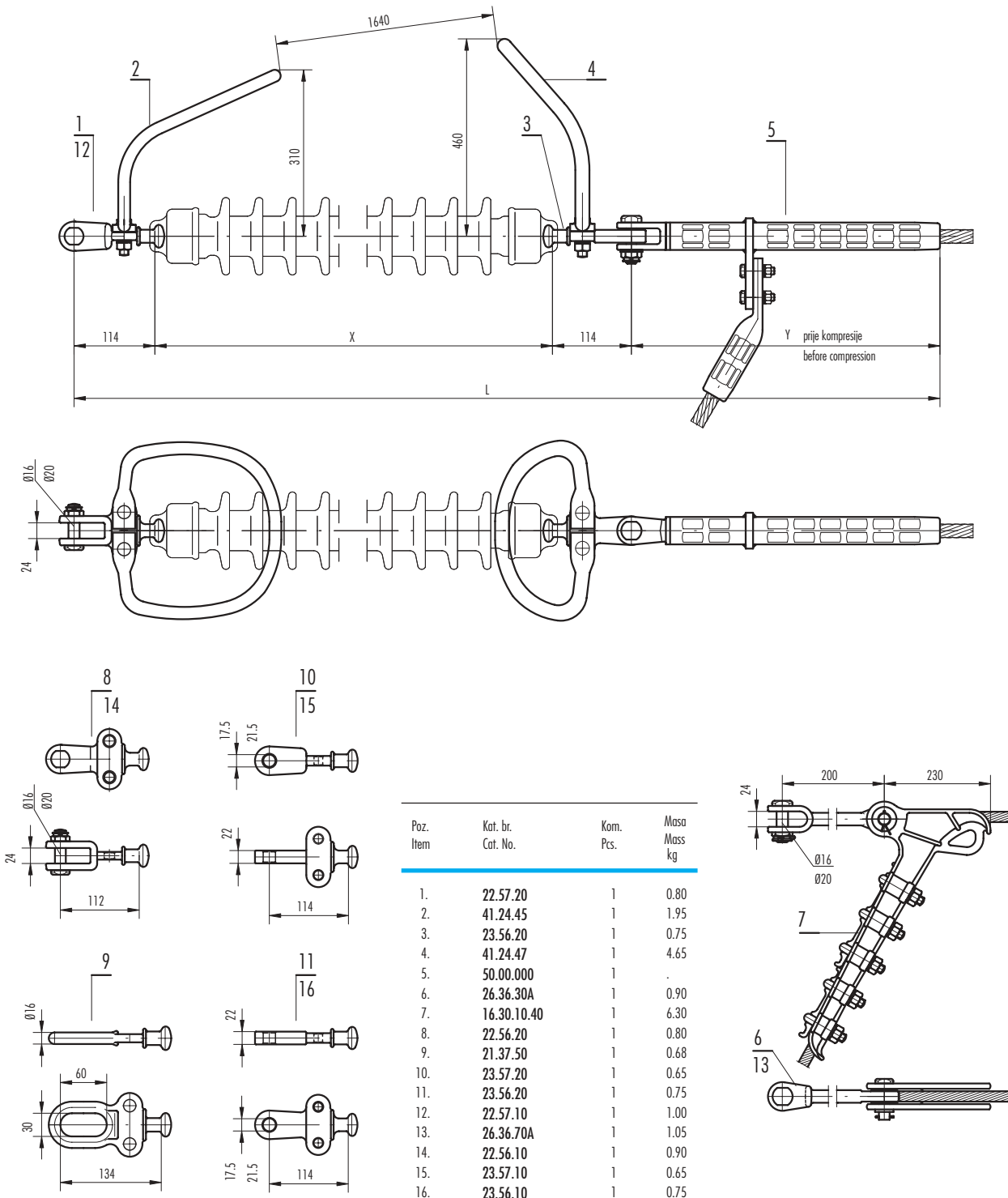
Za Al, Al - legura i Al - Fe vodiče
Minimalna prekidna sila (bez zatezne stezaljke)

120 kN, zglobna veza 16, IEC 120

**SINGLE TENSION STRING
with rod insulator**

For AAC, AAAC and ACSR
Minimum breaking strength (without tension clamp)

120 kN, standard coupling 16, IEC 120



**DVOSTRUKI ZATEZNI LANAC
sa štapnim izolatorima**

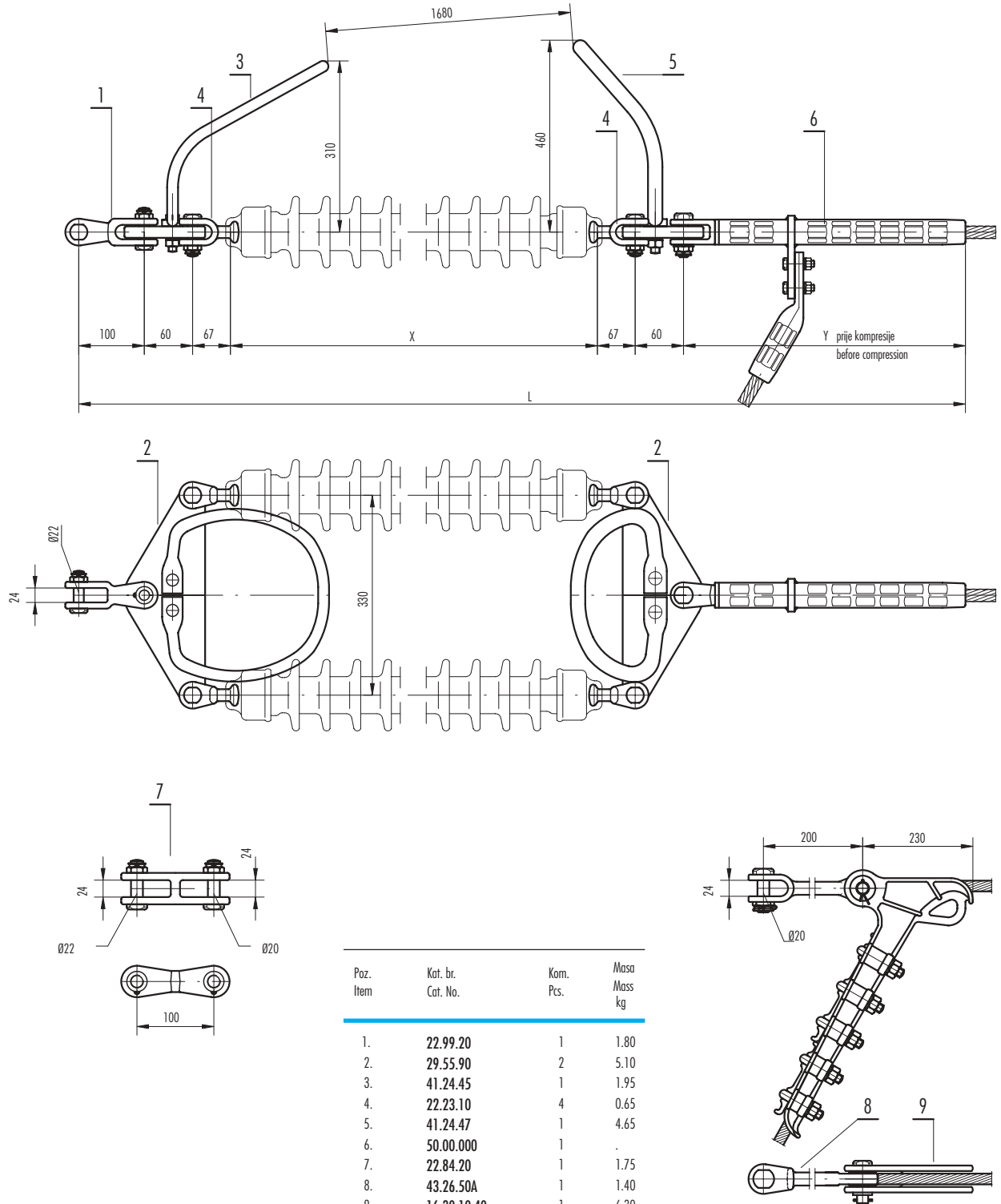
Za Al, Al - legura i Al - Fe vodice

Minimalna prekidna sila (bez zatezne stezaljke)

210 kN, zglobna veza 16, IEC 120
**DOUBLE TENSION STRING
with rod insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

210 kN, standard coupling 16, IEC 120

INSULATOR STRINGS FOR 220 kV

**JEDNOSTRUKI NOSNI LANAC
sa kompozitnim izolatorom**

Za Al, Al - legura i Al - Fe vodice

Minimalna prekidna sila (bez nosne stezaljke)

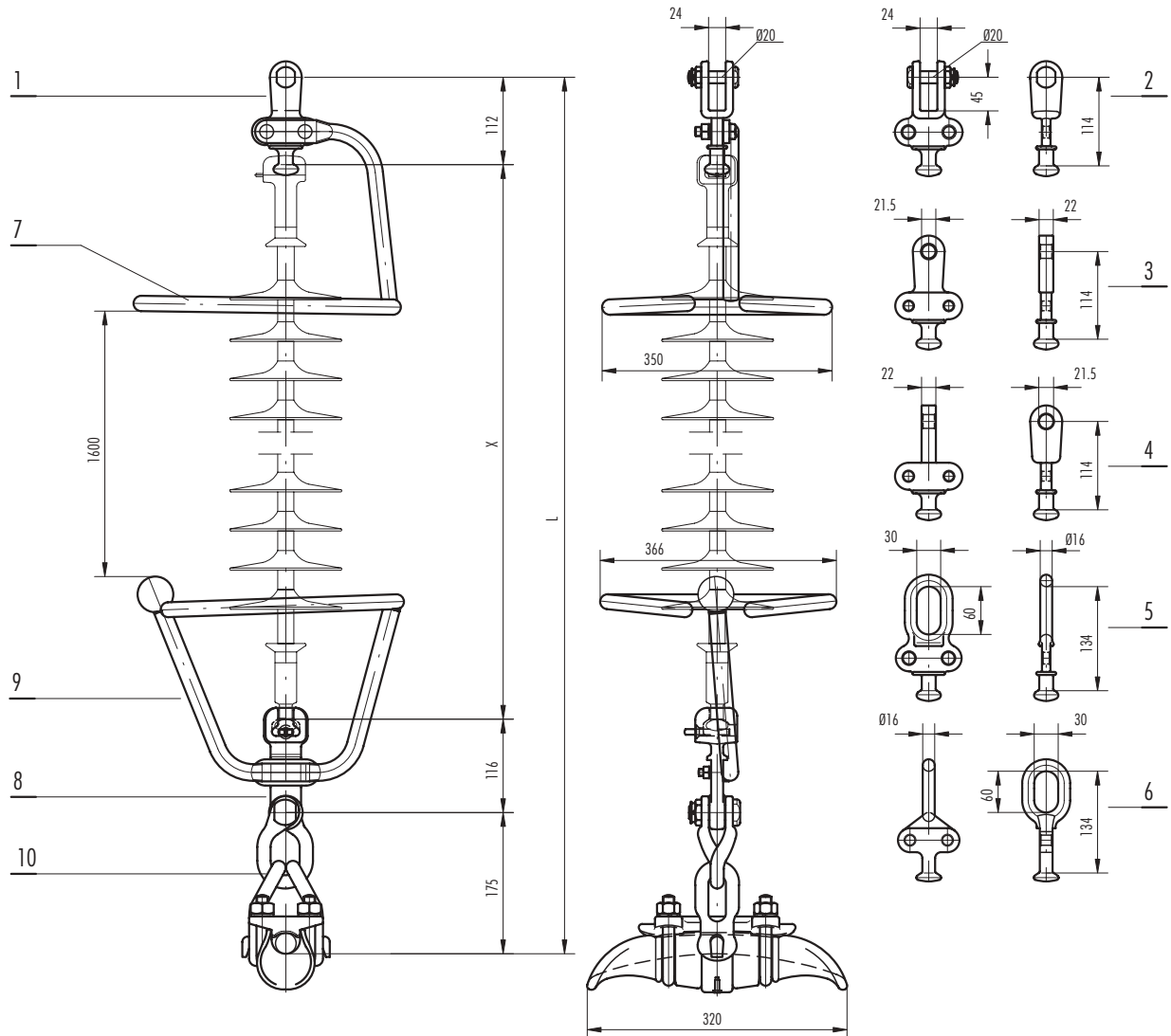
120 kN, zglobna veza 16, IEC 120

**SINGLE SUSPENSION STRING
with composite insulator**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.56.10	1	0.90
2.	22.57.10	1	1.00
3.	23.56.10	1	0.75
4.	23.57.10	1	0.65
5.	21.37.50	1	0.68
6.	21.22.50	1	0.70
7.	41.61.63.6A	1	6.45
8.	24.33.10	1	1.00
9.	41.62.63.6A	1	7.70
10.	12.30.20.1	1	4.75

**DVOSTRUKI NOSNI LANAC
sa kompozitnim izolatorima**

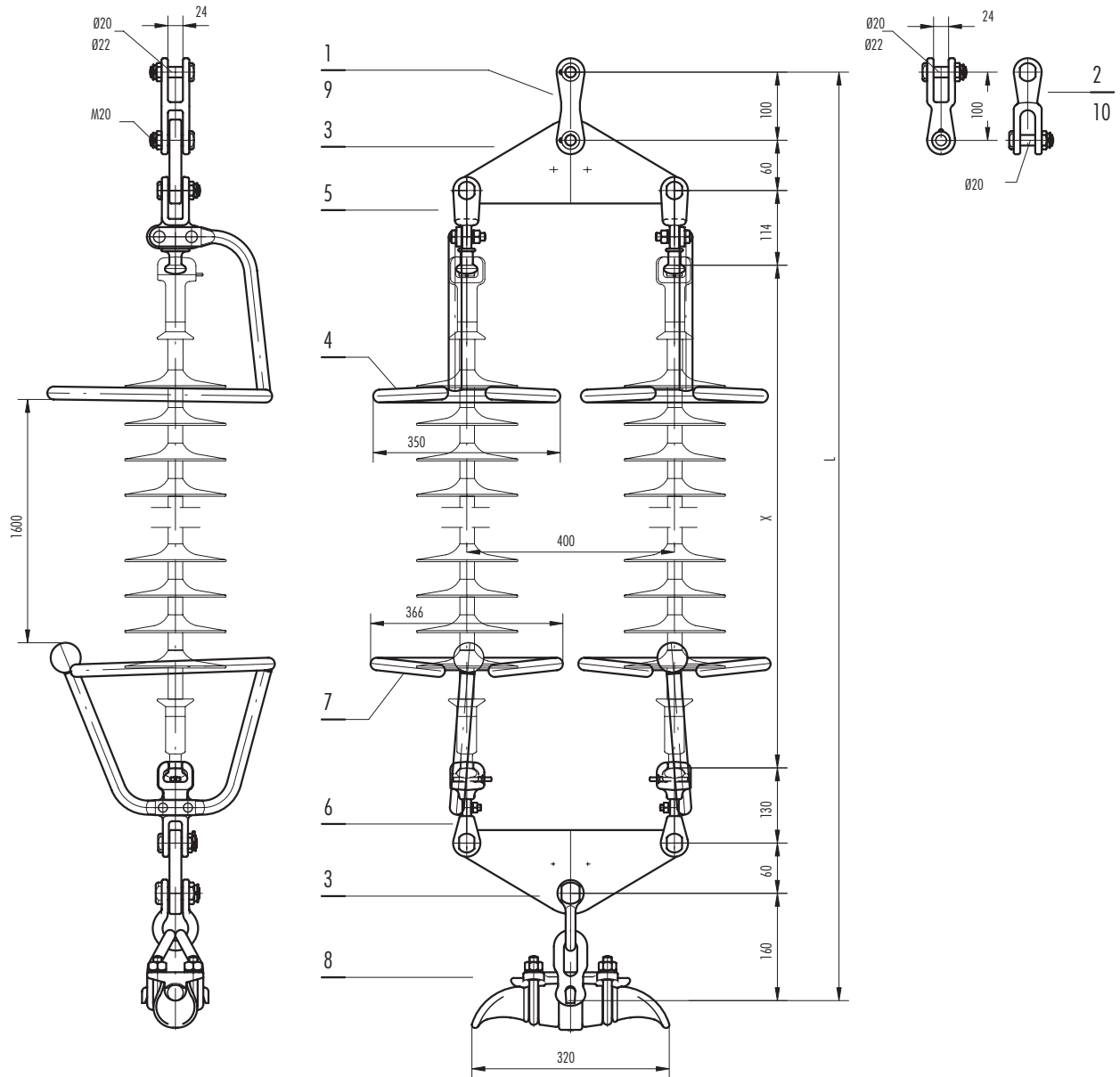
Za Al, Al - legura i Al - Fe vodice

Minimalna prekidna sila (bez nosne stezaljke)

210 kN, zglobna veza 16, IEC 120
**DOUBLE SUSPENSION STRING
with composite insulators**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

210 kN, standard coupling 16, IEC 120

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.84.10	1	1.70
2.	22.99.10	1	1.80
3.	29.13.70	2	7.35
4.	41.61.63.6A	2	6.45
5.	22.57.10	2	1.00
6.	24.87.80.30	2	1.90
7.	41.62.63.6A	2	7.70
8.	12.30.10	1	4.65
9.	22.84.20	1	1.75
10.	22.99.20	1	1.80

INSULATOR STRINGS FOR 220 kV

**JEDNOSTRUKI ZATEZNI LANAC
sa kompozitnim izolatorom**

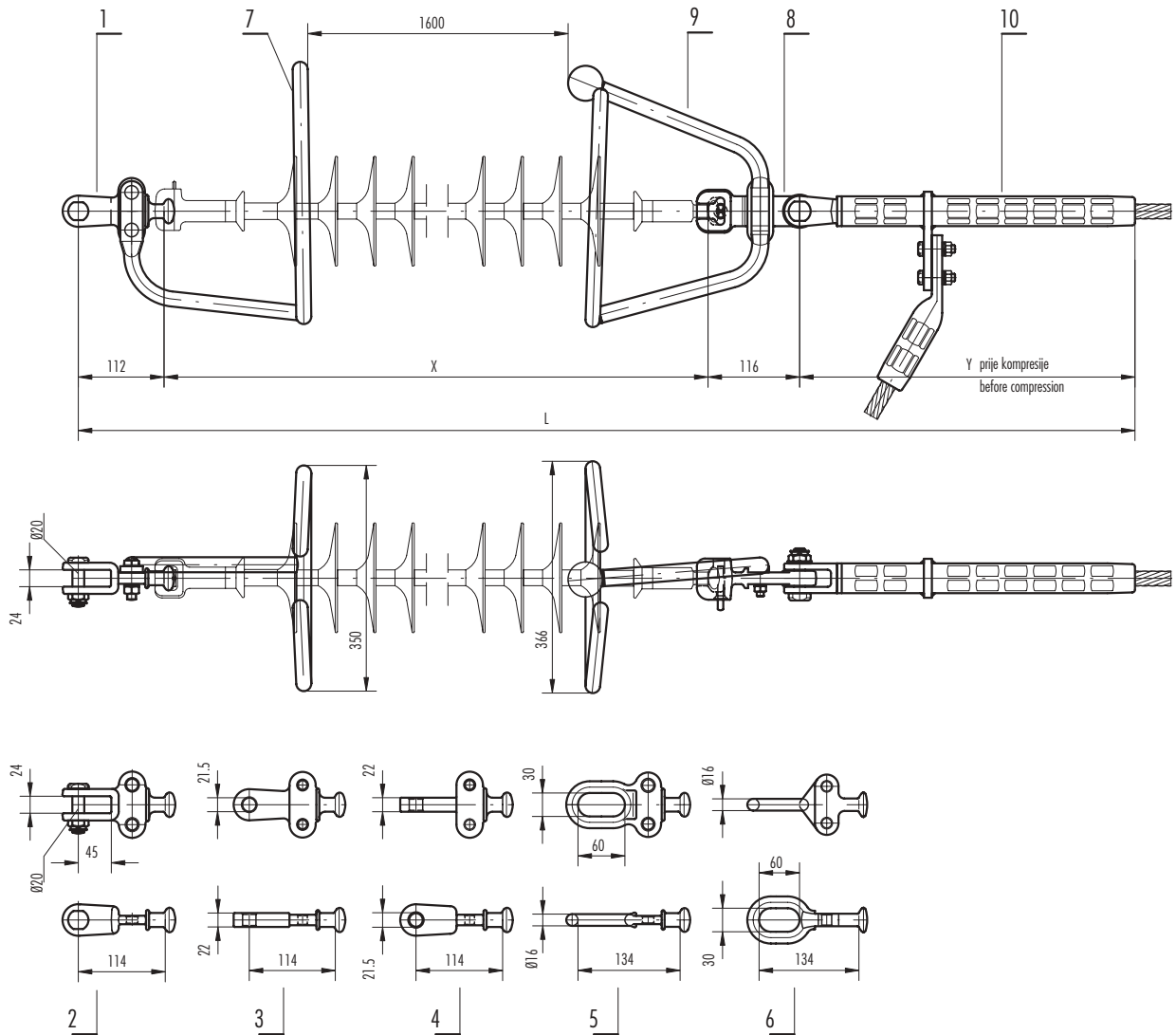
Za Al, Al - legura i Al - Fe vodice
Minimalna prekidna sila (bez zatezne stezaljke)

120 kN, zglobna veza 16, IEC 120

**SINGLE TENSION STRING
with composite insulator**

For AAC, AAAC and ACSR
Minimum breaking strength (without tension clamp)

120 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.56.10	1	0.90
2.	22.57.10	1	1.00
3.	23.56.10	1	0.75
4.	23.57.10	1	0.65
5.	21.37.50	1	0.68
6.	21.22.50	1	0.70
7.	41.61.63.6A	1	6.45
8.	24.33.10	1	1.00
9.	41.62.63.6A	1	7.70
10.	50.00.000	1	.

DVOSTRUKI NOSNI LANAC
sa kompozitnim izolatorima

Za Al, Al - legura i Al - Fe vodice

Minimalna prekidna sila (bez nosne stezaljke)

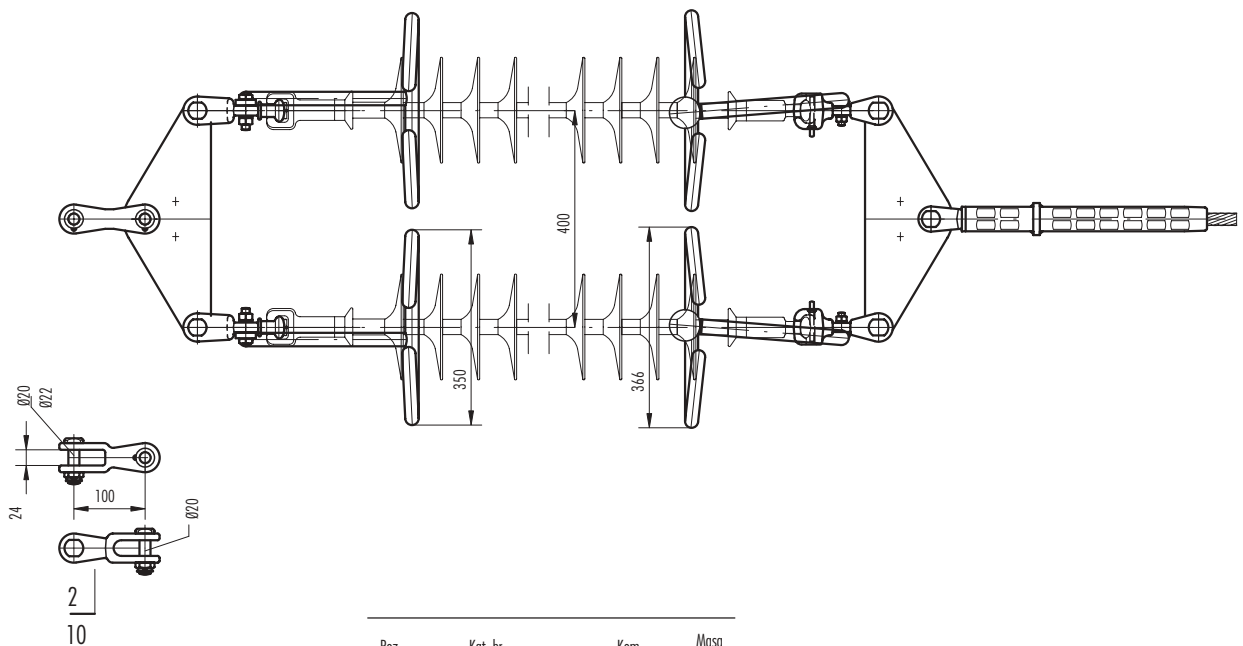
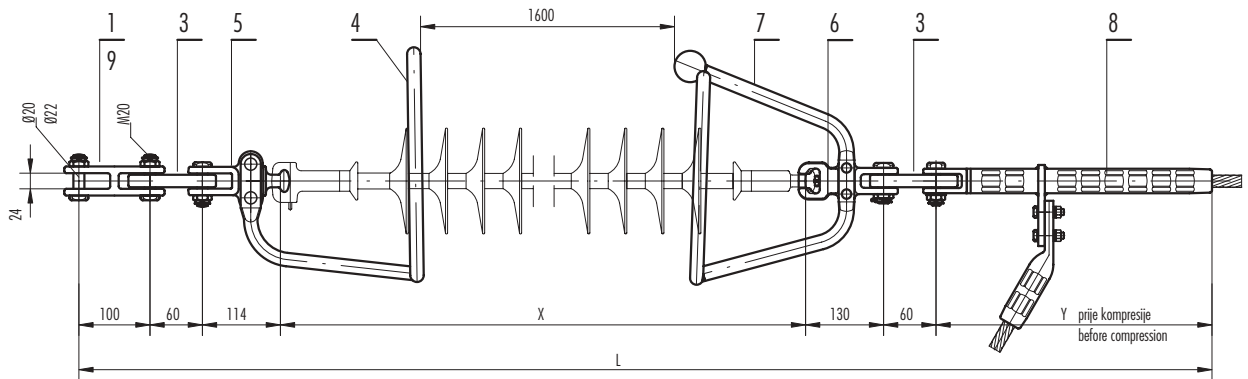
210 kN, zglobna veza 16, IEC 120

DOUBLE SUSPENSION STRING
with composite insulators

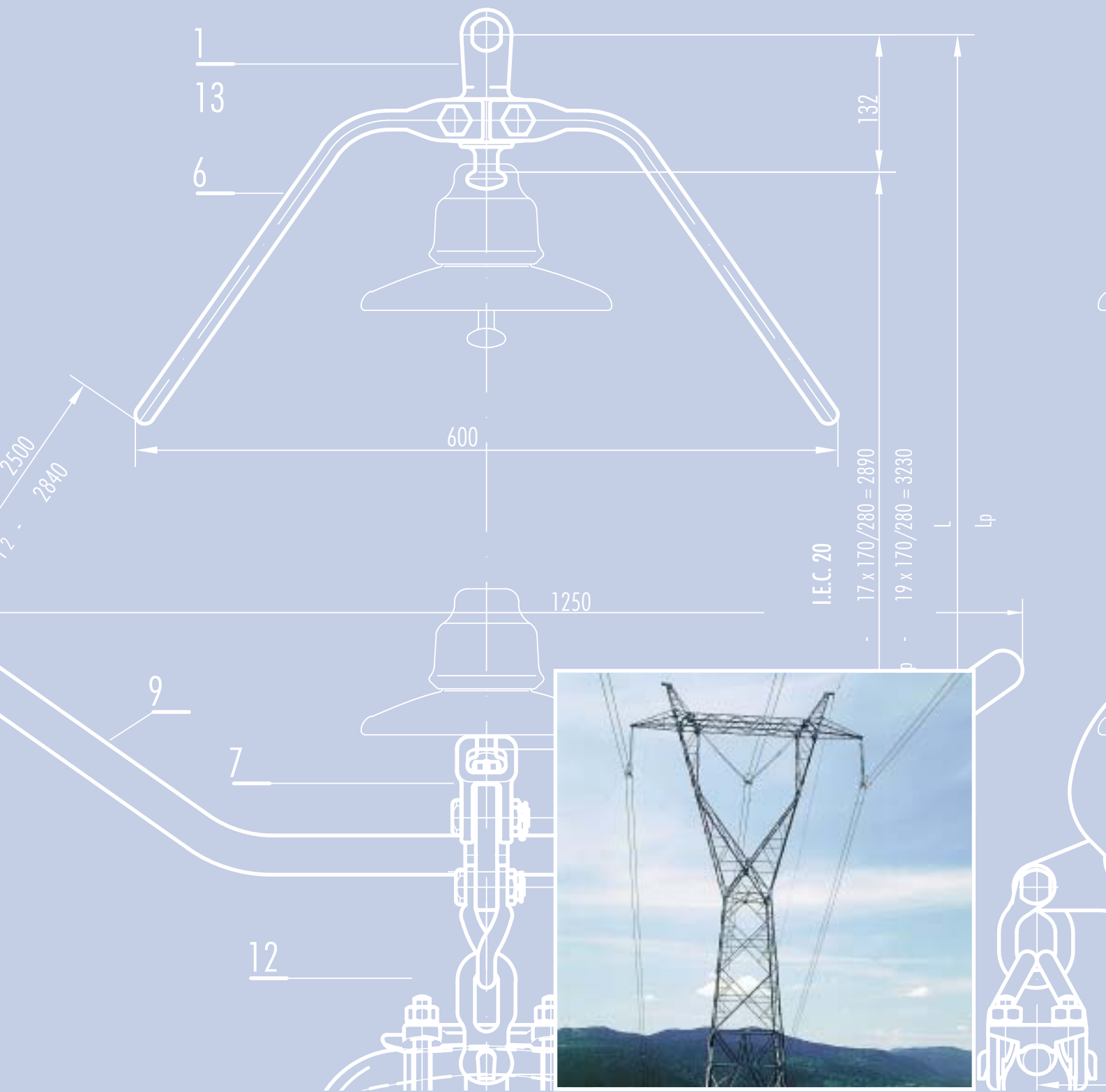
For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

210 kN, standard coupling 16, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.84.10	1	1.70
2.	22.99.10	1	1.80
3.	29.13.70	2	7.35
4.	41.61.63.6A	2	6.45
5.	22.57.10	2	1.00
6.	24.87.80.30	2	1.90
7.	41.62.63.6A	2	7.70
8.	50.00.000	1	.
9.	22.84.20	1	1.75
10.	22.99.20	1	1.80



7

IZOLATORSKI LANCI ZA 400 kV

INSULATOR STRINGS FOR 400 kV

JEDNOSTRUKI NOSNI LANAC
sa kapastim izolatorima
za dva vodiča u snopu

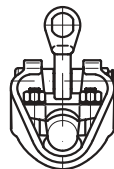
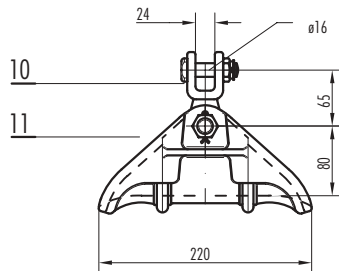
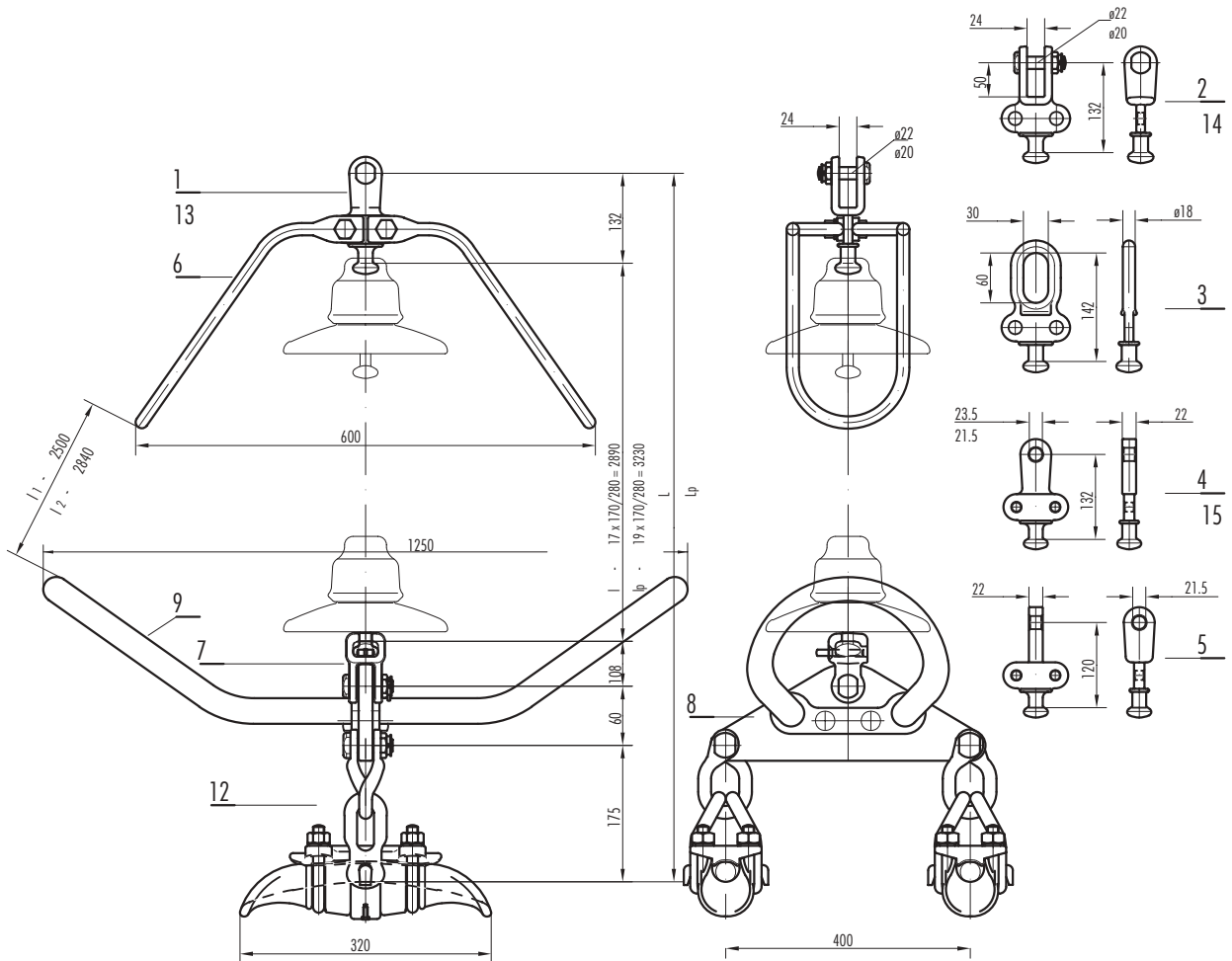
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

160 kN, zglobna veza 20, IEC12
SINGLE SUSPENSION STRING
with cap and pin insulators
for twin bundle conductor

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

160 kN, standard coupling 20, IEC 120


Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.59.10	1	1.74
2.	22.58.10	1	1.77
3.	21.77.10	1	0.93
4.	23.59.10	1	1.20
5.	23.58.30	1	1.20
6.	41.21.65	2	2.00
7.	24.79.10	1	1.68
8.	43.29.89.60	1	5.85
9.	41.32.68	2	6.55
10.	22.45.10	2	0.60
11.	10.31.10	2	1.85
12.	12.30.20.1	2	4.75
13.	22.59.20	1	1.68
14.	22.58.20	1	1.75
15.	23.59.20	1	1.30

INSULATOR STRINGS FOR 400 kV

**DVOSTRUKI NOSNI LANAC
sa kapastim izolatorima
za dva vodiča u snopu**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

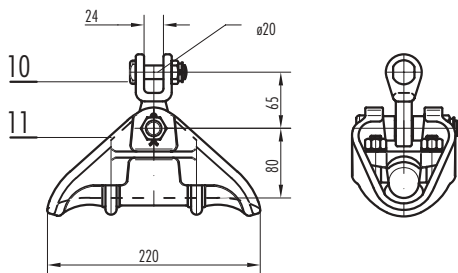
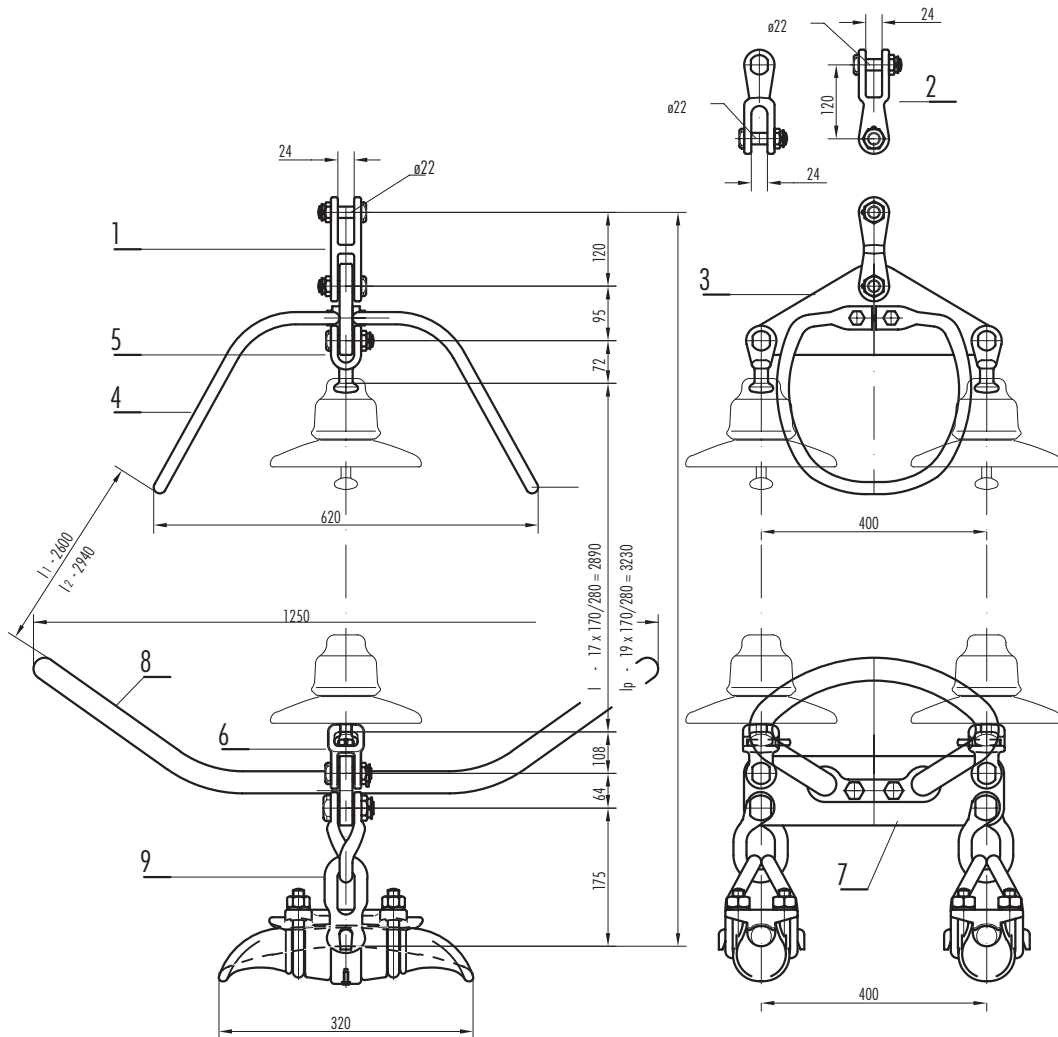
320 kN, zglobna veza 20, IEC 120

**DOUBLE SUSPENSION STRING
with cap and pin insulators
for twin bundle conductor**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

320 kN, standard coupling 20, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.92.10	1	2.50
2.	22.93.10	1	2.60
3.	29.82.10A	1	8.40
4.	41.24.65	2	1.90
5.	23.48.10	2	1.00
6.	24.79.10	2	1.68
7.	29.96.10A	1	8.80
8.	41.32.68	2	6.55
9.	12.30.20	2	4.90
10.	22.45.20.20	2	0.82
11.	10.31.20	2	2.10

DVOSTRUKI NOSNI LANAC
sa kapastim izolatorima
za dva vodiča u snopu

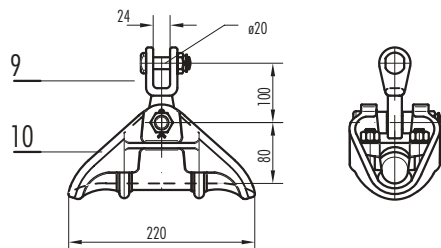
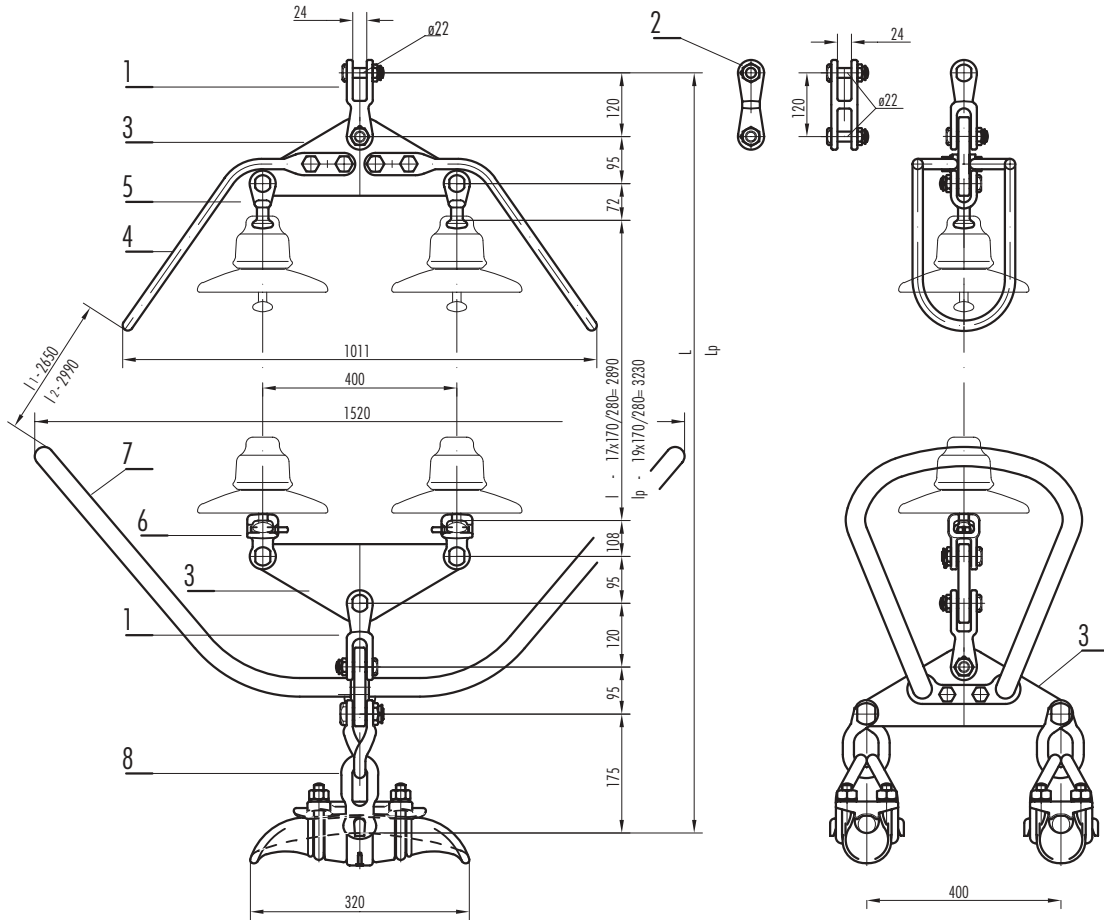
Za Al, Al - legura i Al - Fe vodiče
 Minimalna prekidna sila (bez nosne stezaljke)

320 kN, zglobna veza 20, IEC 120

DOUBLE SUSPENSION STRING
with cap and pin insulators
for twin bundle conductor

For AAC, AAAC and ACSR
 Minimum breaking strength (without suspension clamp)

320 kN, standard coupling 20, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.93.10	2	2.60
2.	22.92.10	1	2.50
3.	29.82.10A	3	8.40
4.	41.21.69	2	2.35
5.	23.48.10	2	1.00
6.	24.79.10	2	1.68
7.	41.32.74	2	8.30
8.	12.30.20	2	4.90
9.	43.22.09.50	2	1.40
10.	10.31.10	2	1.85

INSULATOR STRINGS FOR 400 kV

**"V" JEDNOSTRUKI NOSNI LANAC
sa kapastim izolatorima
za dva vodiča u snopu**

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne veza)

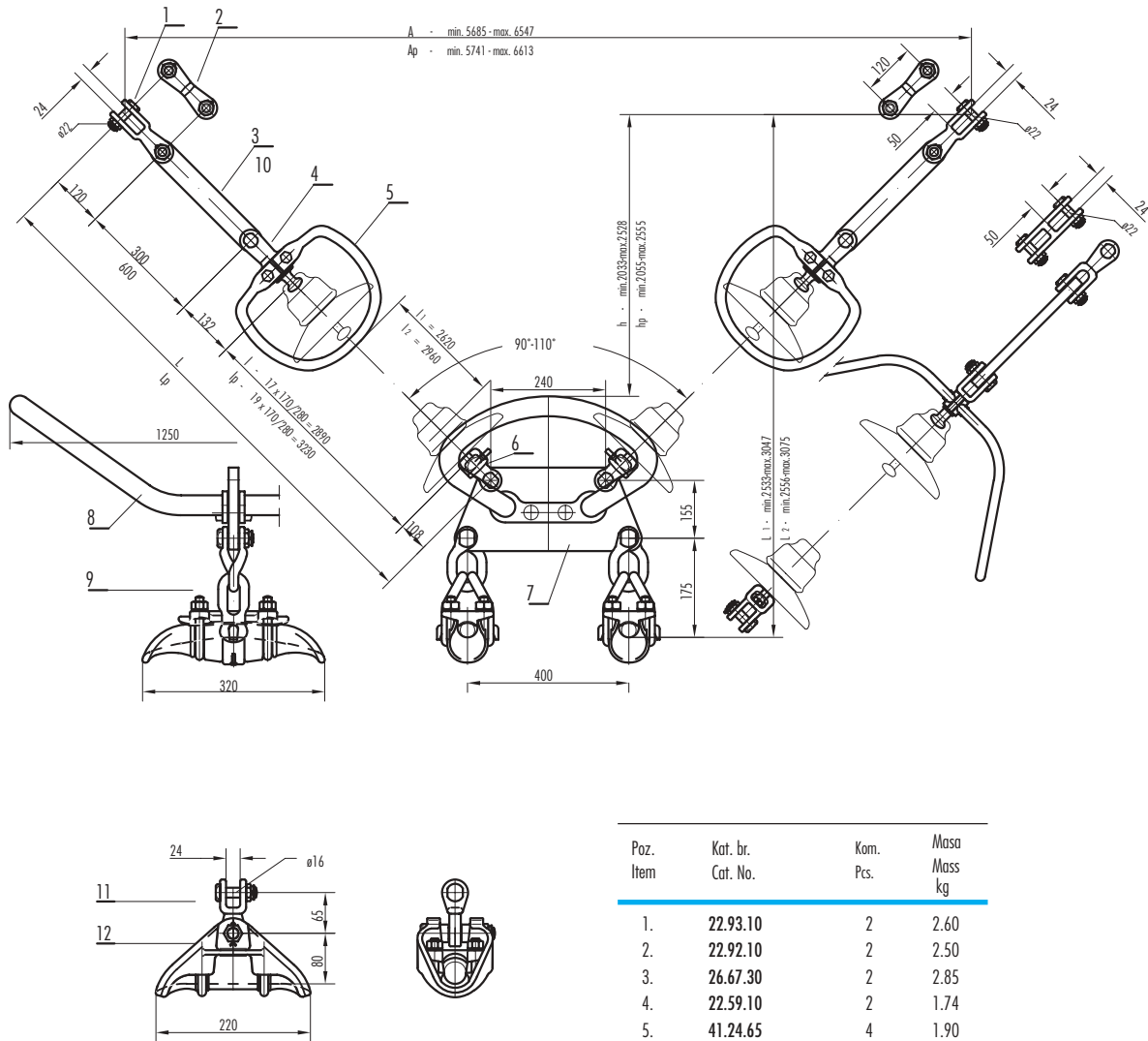
160 kN, zglobna veza 20, IEC 120

**SINGLE "V" SUSPENSION STRING
with cap and pin insulators
for twin bundle conductor**

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

160 kN, standard coupling 20, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.93.10	2	2.60
2.	22.92.10	2	2.50
3.	26.67.30	2	2.85
4.	22.59.10	2	1.74
5.	41.24.65	4	1.90
6.	24.79.10	2	1.68
7.	29.10.20L	1	13.30
8.	41.32.76	2	7.65
9.	12.30.20.1	2	4.75
10.	26.67.60	2	5.45
11.	22.45.10	2	0.60
12.	10.31.10	2	1.85

**JEDNOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima
za dva vodiča u snopu**

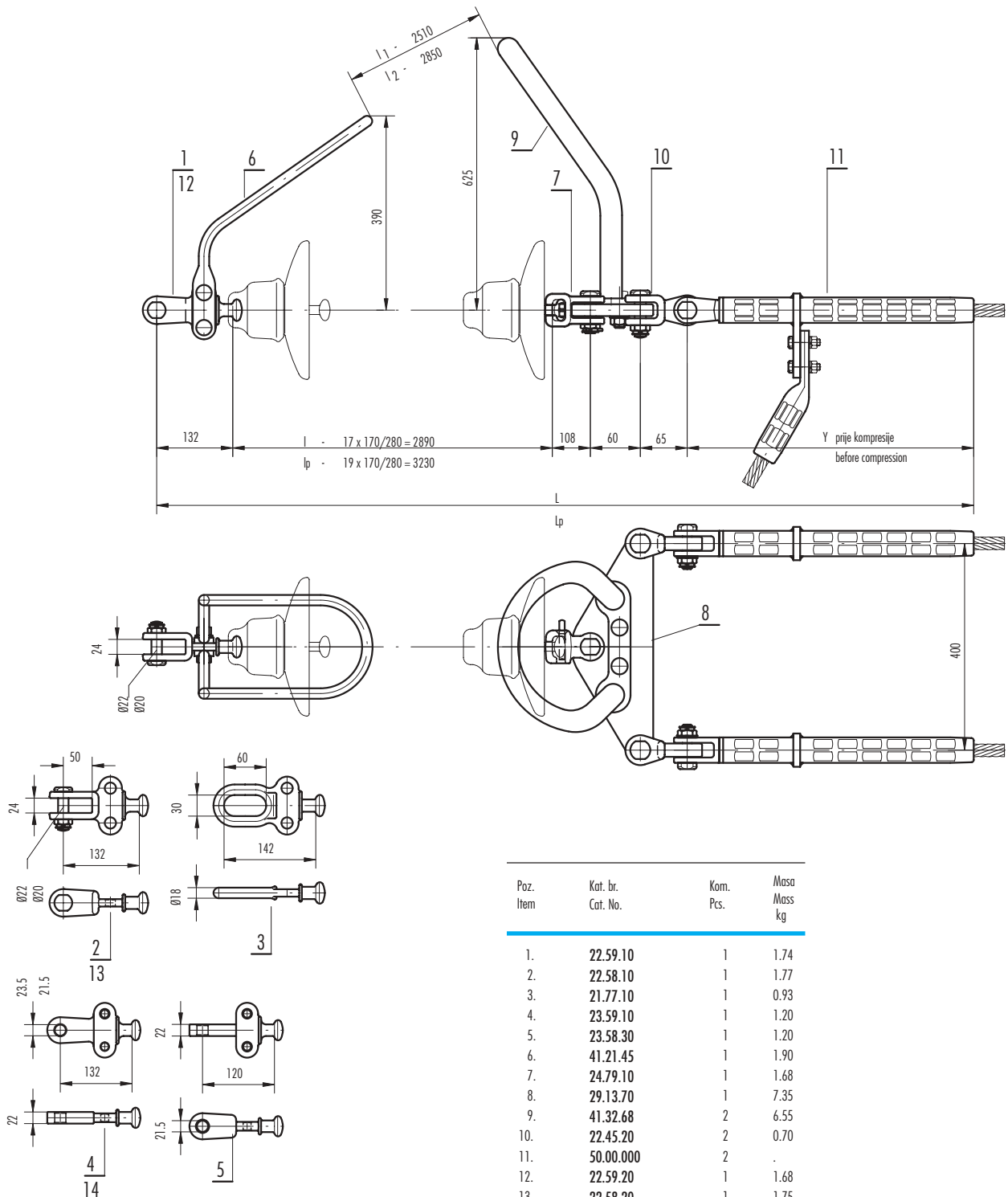
Za Al, Al - legura i Al - Fe vodiče
Minimalna prekidna sila (bez zatezne stezaljke)

160 kN, zglobna veza 20, IEC 120

**SINGLE TENSION STRING
with cap and pin insulators
for twin bundle conductor**

For AAC, AAAC and ACSR
Minimum breaking strength (without tension clamp)

160 kN, standard coupling 20, IEC 120



INSULATOR STRINGS FOR 400 kV

**DVOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima
za dva vodiča u snopu**

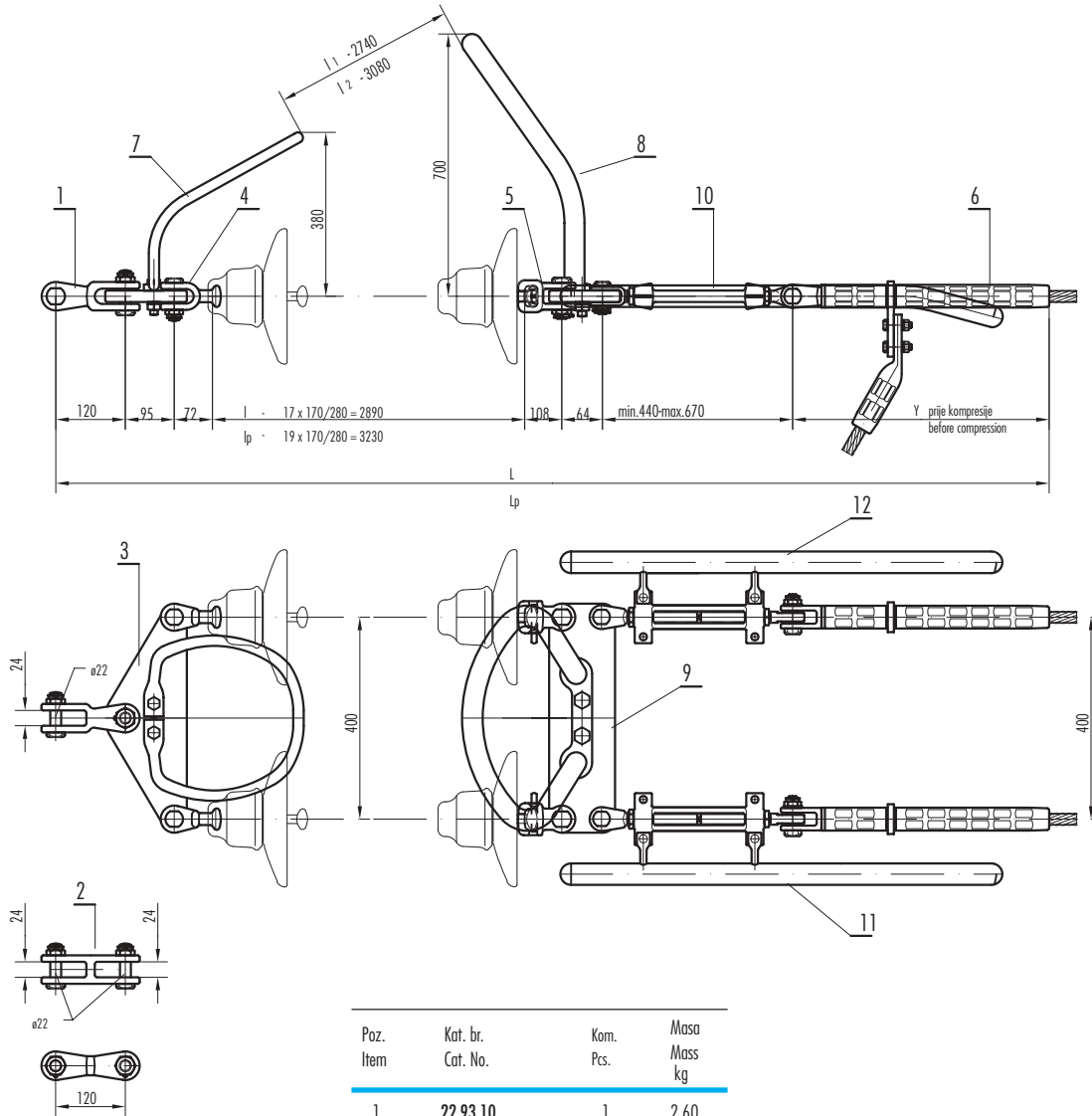
Za Al, Al - legura i Al - Fe vodiče
Minimalna prekidna sila (bez zatezne stezaljke)

320 kN, zglobna veza 20, IEC 120

**DOUBLE TENSION STRING
with cap and pin insulators
for twin bundle conductor**

For AAC, AAAC and ACSR
Minimum breaking strength (without tension clamp)

320 kN, standard coupling 20, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.93.10	1	2.60
2.	22.92.10	1	2.50
3.	29.82.10A	1	8.40
4.	23.48.10	2	1.00
5.	24.79.10	2	1.68
6.	50.00.000	2	.
7.	41.24.67	1	2.20
8.	41.32.72	1	6.70
9.	29.96.10A	1	8.80
10.	25.57.066	2	4.30
11.	41.52.71	1	2.45
12.	41.52.72	1	2.45

DVOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima
za dva vodiča u snopu
sa regulacionim iskrištem

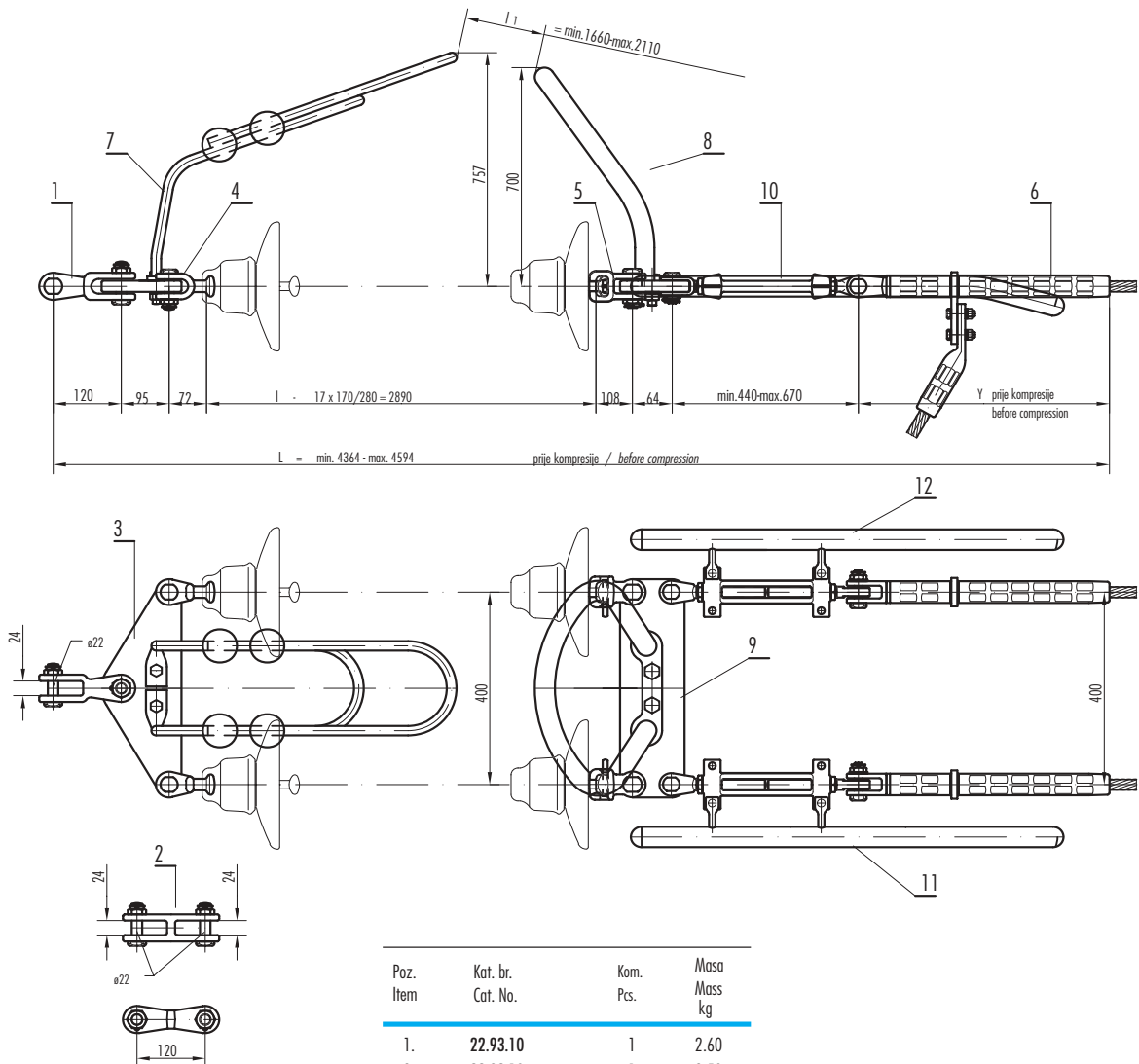
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez zatezne stezaljke)

320 kN, zglobna veza 20, IEC 120
DOUBLE TENSION STRING
with cap and pin insulators
for twin bundle conductor
with regulation spark gap

For AAC, AAAC and ACSR

Minimum breaking strength (without tension clamp)

320 kN, standard coupling 20, IEC 120

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.93.10	1	2.60
2.	22.92.10	1	2.50
3.	29.82.10A	1	8.40
4.	23.48.10	2	1.00
5.	24.79.10	2	1.68
6.	50.00.000	2	.
7.	41.22.95	1	10.00
8.	41.32.72	1	6.70
9.	29.96.10A	1	8.80
10.	25.57.066	2	4.30
11.	41.52.71	1	2.45
12.	41.52.72	1	2.45

TROSTRUKI ZATEZNI LANAC
sa kapastim izolatorima
za dva vodiča u snopu

Za Al, Al - legura i Al - Fe vodiča

Minimalna prekidna sila (bez zatezne stezaljke)

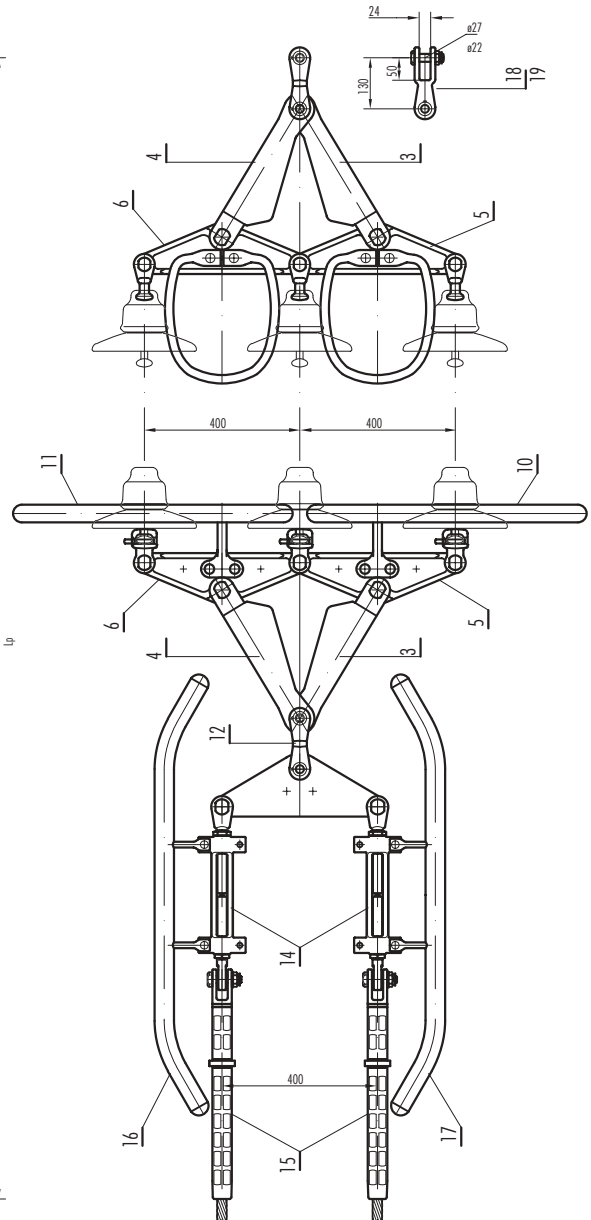
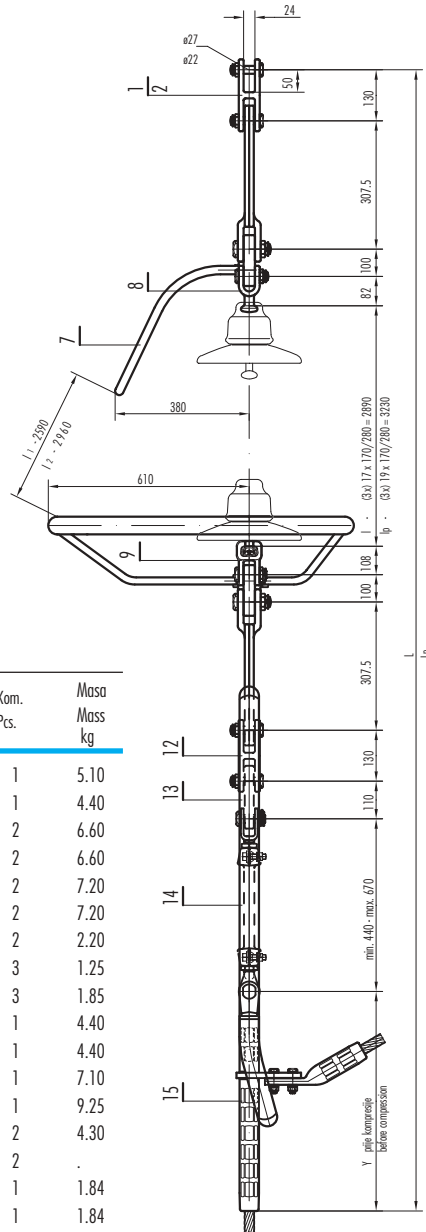
320 kN, zglobna veza 20, IEC 120
TRIPLE TENSION STRING
with cap and pin insulators
for twin bundle conductor

For AAC, AAAC, and ACSR conductors

Minimum breaking strength (without tension clamp)

320 kN, standard coupling 20, IEC 120

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.95.10	1	5.10
2.	22.95.30	1	4.40
3.	22.94.50	2	6.60
4.	22.94.10	2	6.60
5.	29.86.10	2	7.20
6.	29.86.50	2	7.20
7.	41.24.67	2	2.20
8.	23.39.10	3	1.25
9.	24.62.10	3	1.85
10.	41.51.73A	1	4.40
11.	41.51.74A	1	4.40
12.	22.95.50	1	7.10
13.	29.81.10B	1	9.25
14.	25.57.066	2	4.30
15.	50.00.000	2	.
16.	41.52.73	1	1.84
17.	41.52.74	1	1.84
18.	22.96.10	1	5.20
19.	22.96.50	1	4.40



INSULATOR STRINGS FOR 400 kV

JEDNOSTRUKI NOSNI LANAC

sa kapastim izolatorima

za tri vodiča u snopu

Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

160 kN, zglobna veza 20, IEC 120

SINGLE SUSPENSION STRING

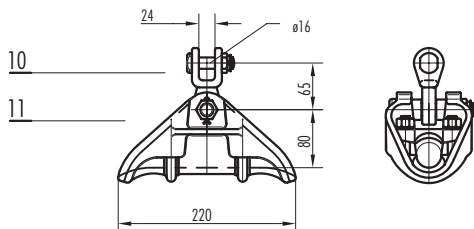
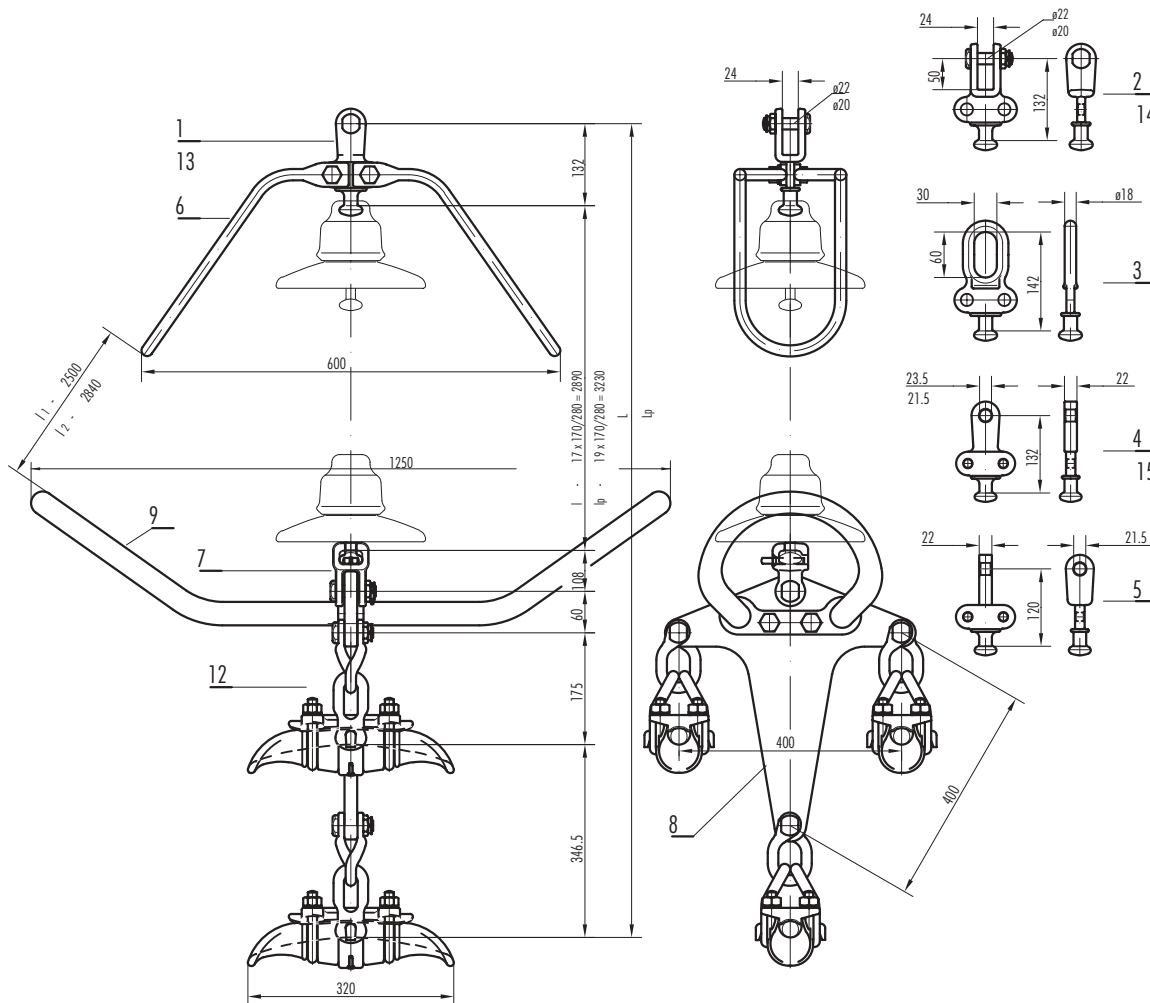
with cap and pin insulators

for triple bundle conductor

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

160 kN, standard coupling 20, IEC 120

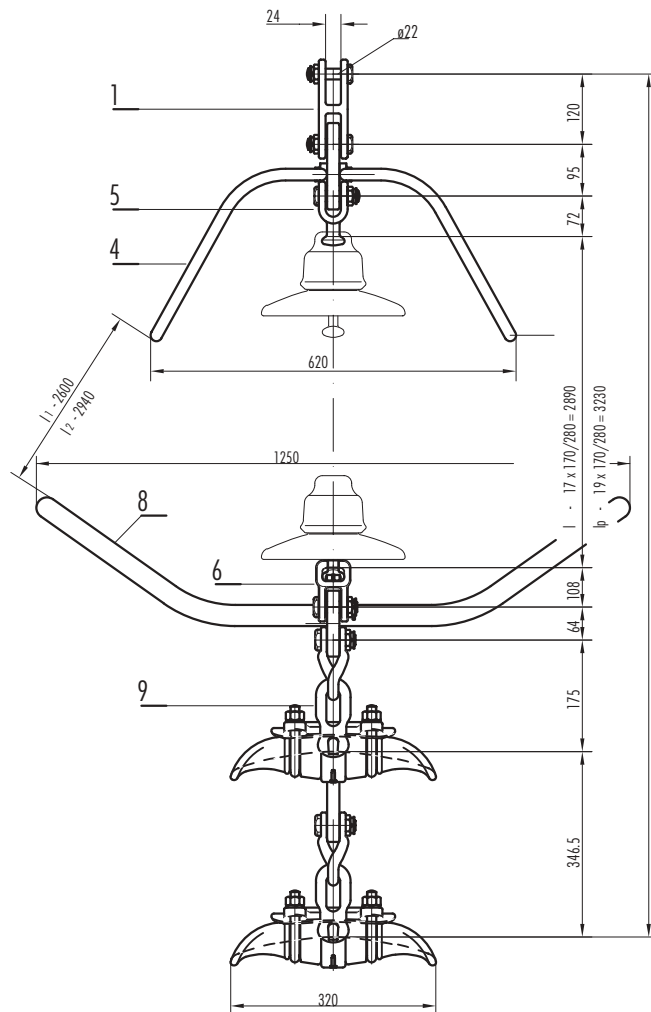


Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.59.10	1	1.74
2.	22.58.10	1	1.77
3.	21.77.10	1	0.93
4.	23.59.10	1	1.20
5.	23.58.30	1	1.20
6.	41.21.65	2	2.00
7.	24.79.10	1	1.68
8.	43.29.42A	1	10.50
9.	41.32.68	2	6.55
10.	22.45.10	3	0.60
11.	10.31.10	3	1.85
12.	12.30.20.1	3	4.75
13.	22.59.20	1	1.68
14.	22.58.20	1	1.75
15.	23.59.20	1	1.30

DVOSTRUKI NOSNI LANAC
sa kapastim izolatorima
za tri vodiča u snopu

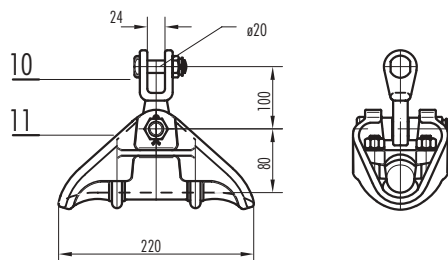
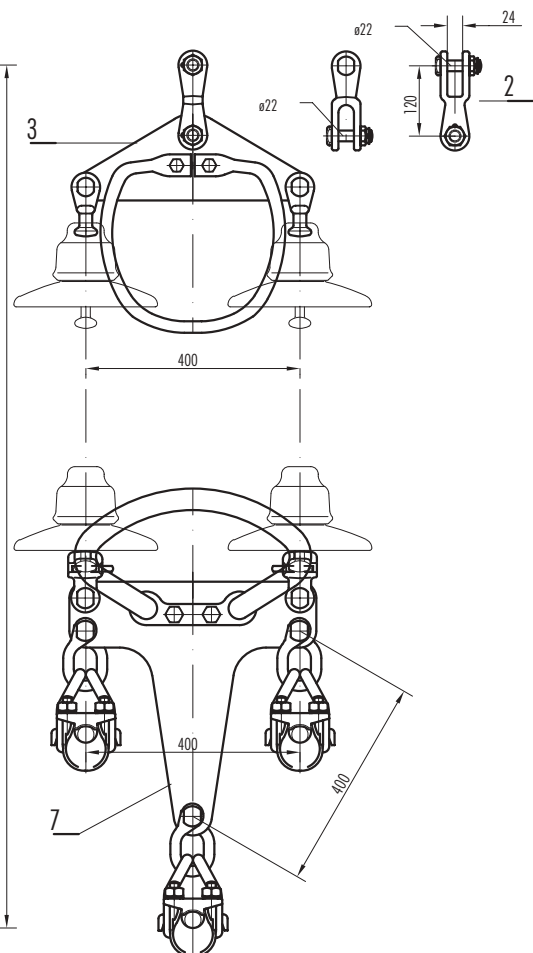
Za Al, Al - legura i Al - Fe vodiče

Minimalna prekidna sila (bez nosne stezaljke)

320 kN, zglobna veza 20, IEC 120
DOUBLE SUSPENSION STRING
with cap and pin insulators
for triple bundle conductor

For AAC, AAAC and ACSR

Minimum breaking strength (without suspension clamp)

320 kN, standard coupling 20, IEC 120

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	22.92.10	1	2.50
2.	22.93.10	1	2.60
3.	29.82.10A	1	8.40
4.	41.24.65	2	1.90
5.	23.48.10	2	1.00
6.	24.79.10	2	1.68
7.	43.29.43	1	14.90
8.	41.32.68	2	6.55
9.	12.30.20	2	4.90
10.	43.22.09.50	2	1.40
11.	10.31.10	2	1.85

INSULATOR STRINGS FOR 400 kV

**DVOSTRUKI ZATEZNI LANAC
sa kapastim izolatorima
za tri vodiča u snopu**

Za Al, Al - legura i Al - Fe vodiča

Minimalna prekidna sila (bez zatezne stezaljke)

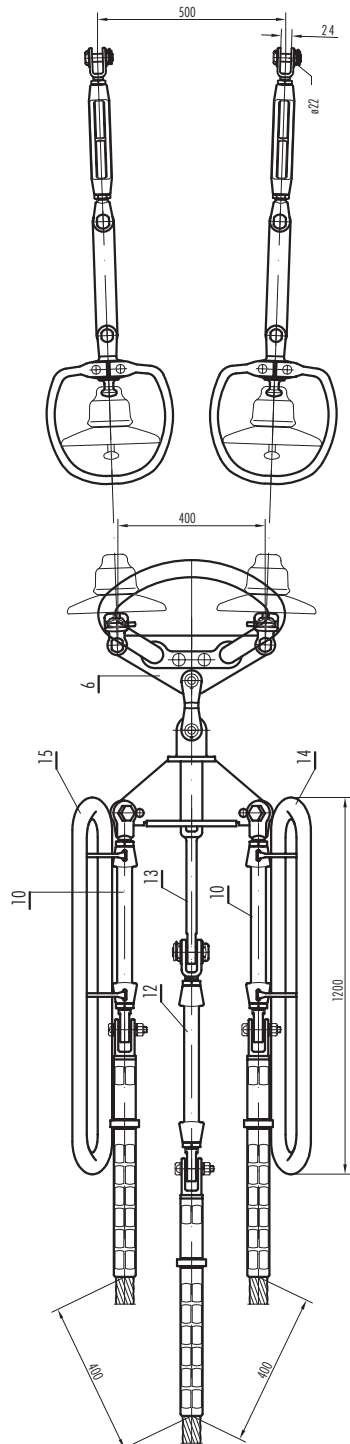
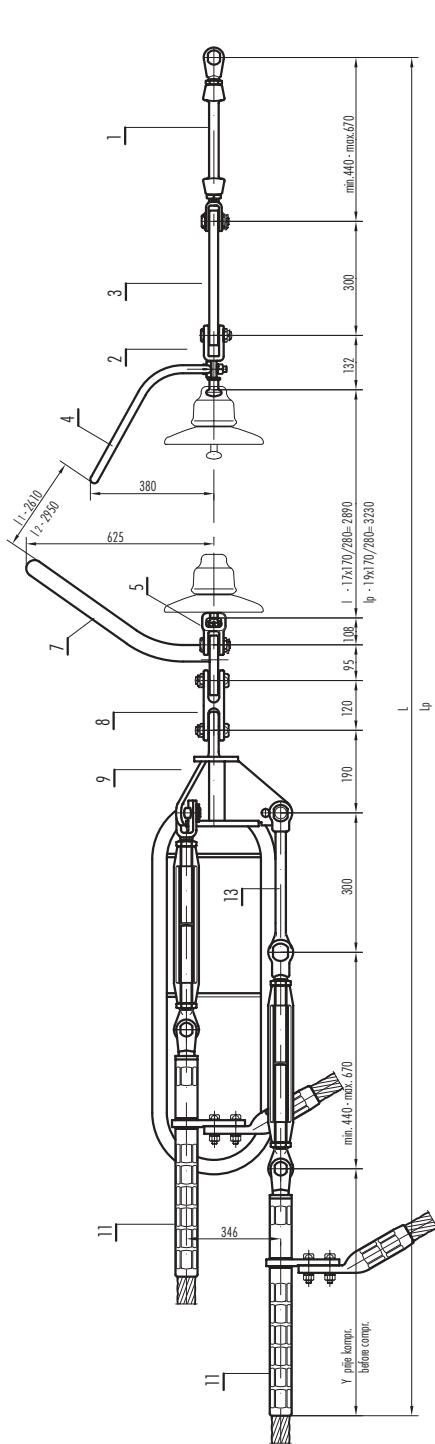
320 kN, zglobna veza 20, IEC 120

**DOUBLE TENSION STRING
with cap and pin insulators
for triple bundle conductor**

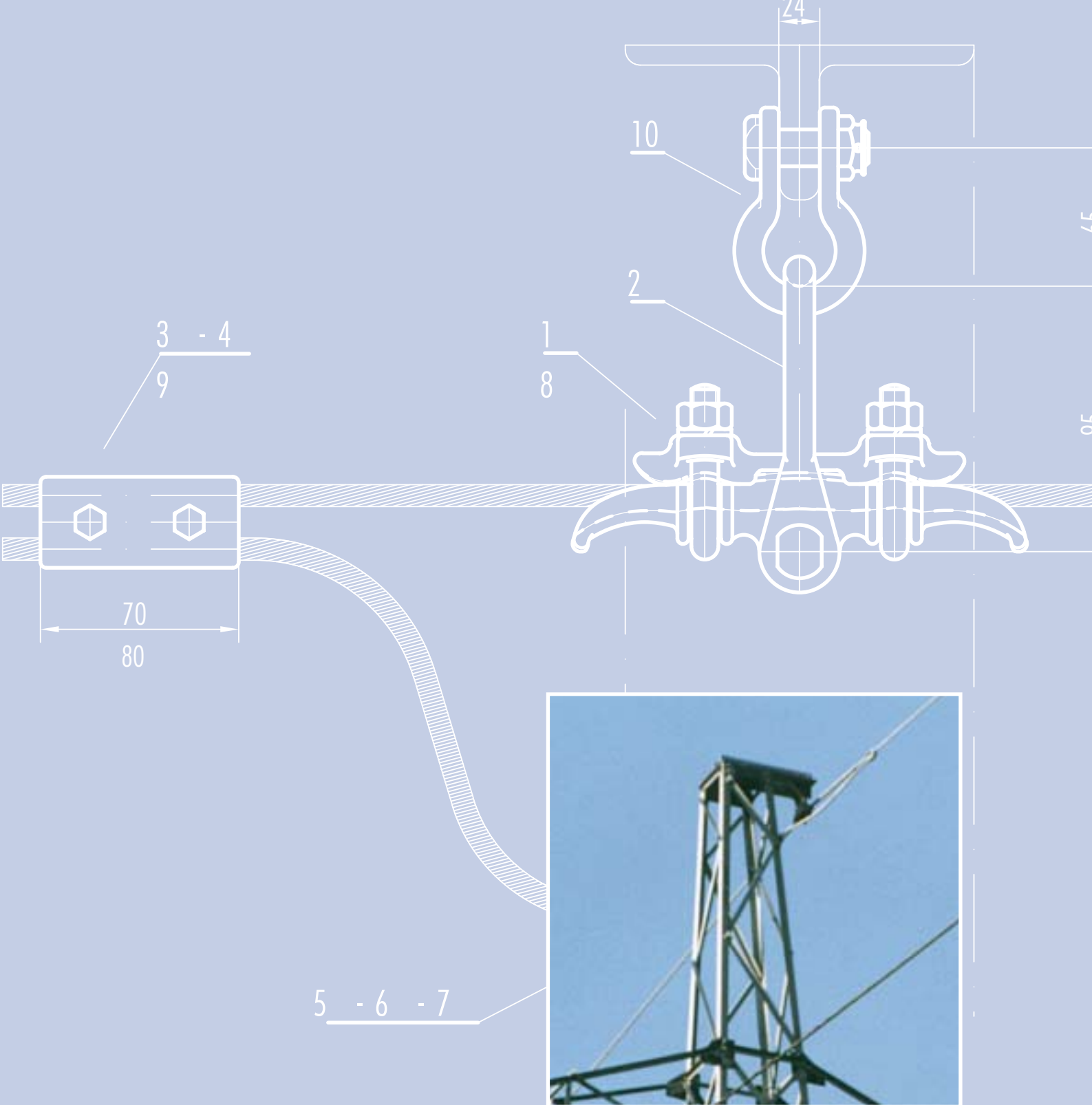
For AAC, AAAC and ACSR conductors

Minimum breaking strength (without tension clamp)

320 kN, standard coupling 20, IEC 120



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	25.75.077	2	4.50
2.	26.67.30	2	2.85
3.	22.59.10	2	1.74
4.	41.24.67	2	2.20
5.	24.79.10	2	1.68
6.	29.82.10A	1	8.40
7.	41.32.77	1	7.20
8.	22.92.10	1	2.50
9.	43.29.44	1	27.50
10.	25.57.066	2	4.30
11.	50.00.000	3	.
12.	25.77.066	1	4.10
13.	26.41.30	1	2.20
14.	43.41.37	1	3.40
15.	43.41.38	1	3.40



8.A

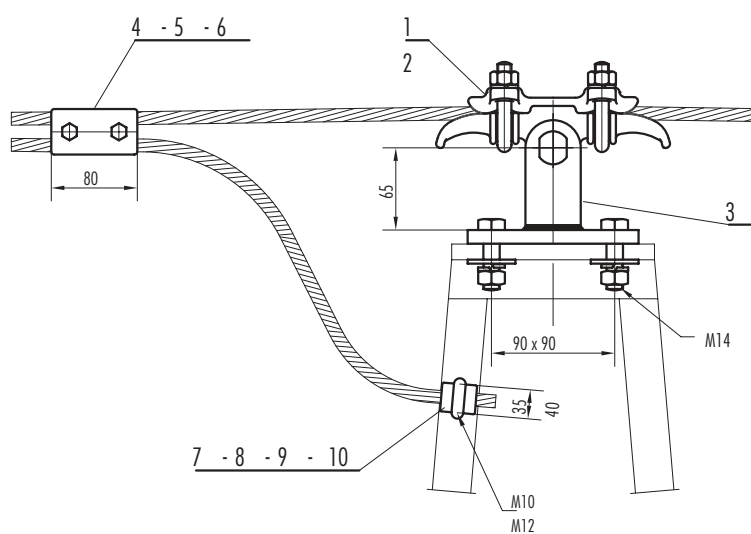
ZAVJEŠENJA ZAŠTITNIH UŽETA NA STUPOVIMA
EARTH WIRE ATTACHMENTS TO TOWERS

OVJEŠENJE NA NOSNOM STUPU
Za čelična užeta

ø7.5-ø9.0-ø12.0-ø15.0 [mm]

**SUSPENSION EARTH
WIRE ATTACHMENT**
For steel earth wire

ø7.5-ø9.0-ø12.0-ø15.0 [mm]



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	11.12.10	1	1.05
2.	11.14.10B	1	1.53
3.	70.13.10	1	1.70
4.	77.33.12	1	0.18
5.	77.34.12	1	0.26
6.	77.35.12	1	0.38
7.	73.11.01	1	0.36
8.	73.11.02	1	0.355
9.	73.11.03	1	0.35
10.	73.11.04	1	0.34

EARTH WIRE ATTACHMENTS TO TOWERS

OVJEŠENJE NA NOSNOM STUPU

Za čelična užeta

Minimalna prekidna sila (bez nosne stezaljke)

120 kN

ø8.0-ø12.0-ø15.0 [mm]

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	11.12.10	1	1.05
2.	27.52.10	1	0.80
3.	77.33.12	1	0.18
4.	77.34.12	1	0.26
5.	73.11.02	1	0.355
6.	73.11.03	1	0.35
7.	73.11.04	1	0.34
8.	11.14.10B	1	1.53
9.	77.35.12	1	0.38
10.	35.16.55	1	0.95

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	11.12.10	1	1.05
2.	27.52.10	1	0.80
3.	77.33.12	1	0.18
4.	77.34.12	1	0.26
5.	73.11.02	1	0.355
6.	73.11.03	1	0.35
7.	73.11.04	1	0.34
8.	11.14.10B	1	1.53
9.	77.35.12	1	0.38
10.	27.08.10	1	0.65

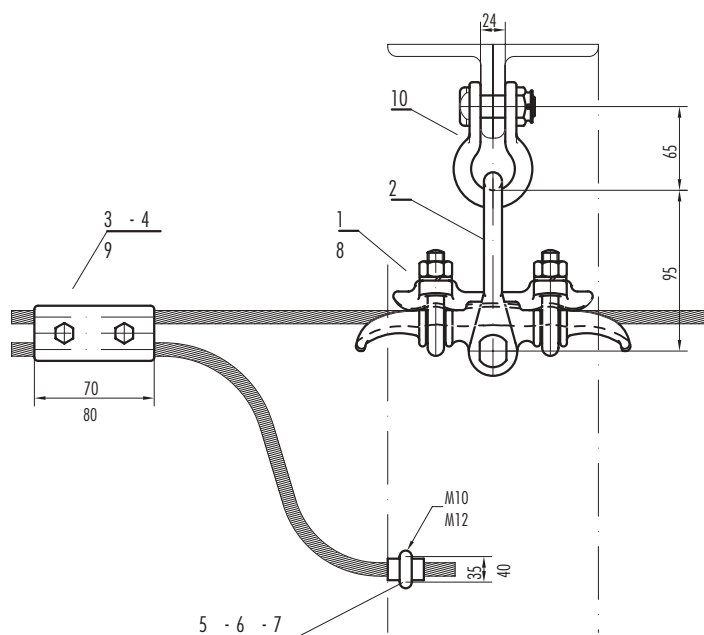
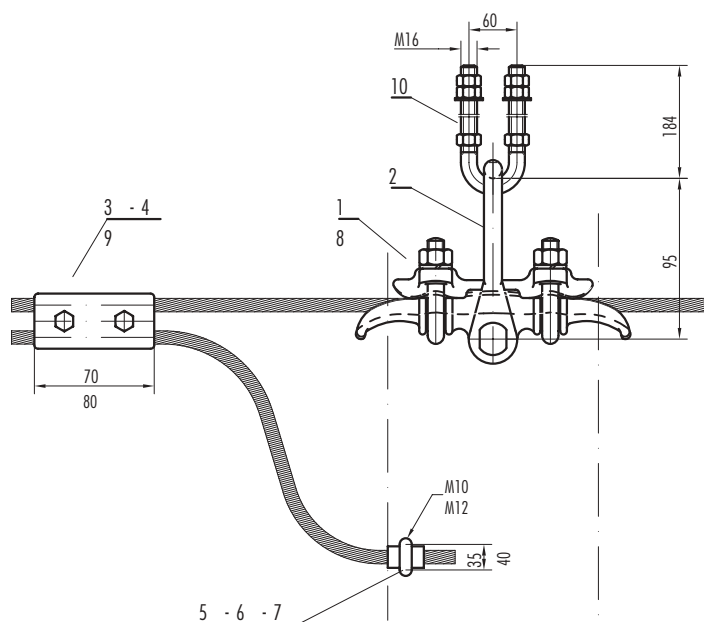
SUSPENSION EARTH WIRE ATTACHMENT

For steel earth wire

Minimum breaking strength (without suspension clamp)

120 kN

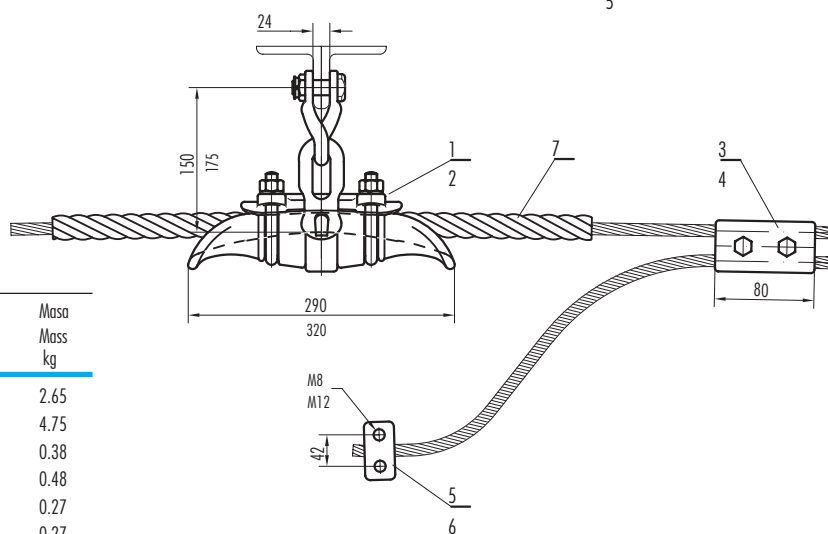
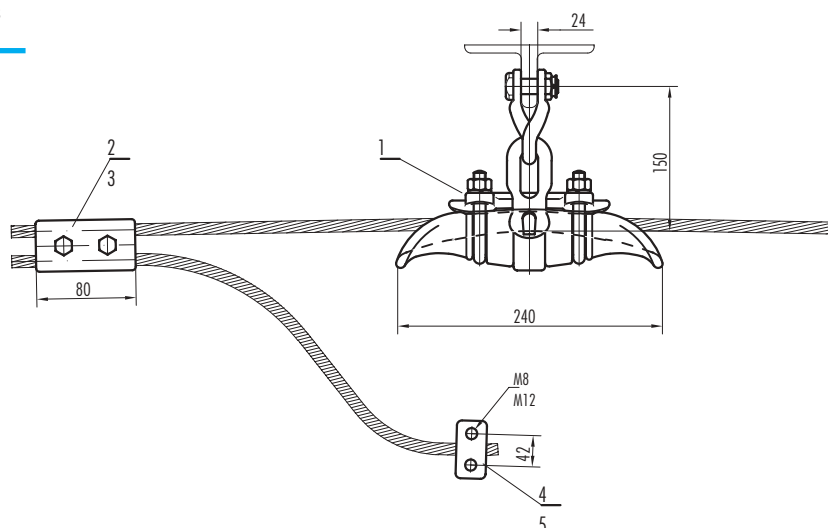
ø8.0-ø12.0-ø15.0 [mm]



OVJEŠENJE NA NOSNOM STUPU
Za AW, Al-Fe
i čelična užeta

ø13.6 - ø18.00 [mm]

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	12.19.20	1	2.35
2.	77.35.12	1	0.38
3.	77.36.12	1	0.48
4.	73.13.21	1	0.27
5.	73.13.22	1	0.27



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	12.23.20	1	2.65
2.	12.30.20.1	1	4.75
3.	77.35.12	1	0.38
4.	77.36.12	1	0.48
5.	73.13.21	1	0.27
6.	73.13.22	1	0.27
7.	Preform. prut (vidi tabelu) Armour rod (see table)		

Za čelično zaštitno uže
For steel earth wire

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
7.	62.13.37.20	1	1.50
	62.13.65.20	1	1.50
	62.14.36.20	1	1.64
	62.14.92.20	1	1.84

Za AWG, Al-Fe i al.leg. za zašt. uže
For AWG, ACSR, Al.alloy earth wire

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
7.	62.13.65	1	0.80
	62.14.36	1	0.85
	62.14.92	1	0.93
	62.15.89	1	0.93
	62.16.67	1	1.06
	62.17.51	1	1.20
	62.17.90	1	1.30
	62.18.81	1	1.40

EARTH WIRE ATTACHMENTS TO TOWERS

OVJEŠENJE NA NOSNOM STUPU

Za AW, Al-Fe
i čelična užeta

Minimalna prekidna sila (bez nosne stezaljke)

120 kN

ø13.6 - ø18.00 [mm]

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	12.19.10	1	2.00
2.	77.35.12	1	0.38
3.	77.36.12	1	0.48
4.	73.13.21	1	0.27
5.	73.13.22	1	0.27
6.	68.70.21	1	1.45
7.	33.20.120.50	1	0.45

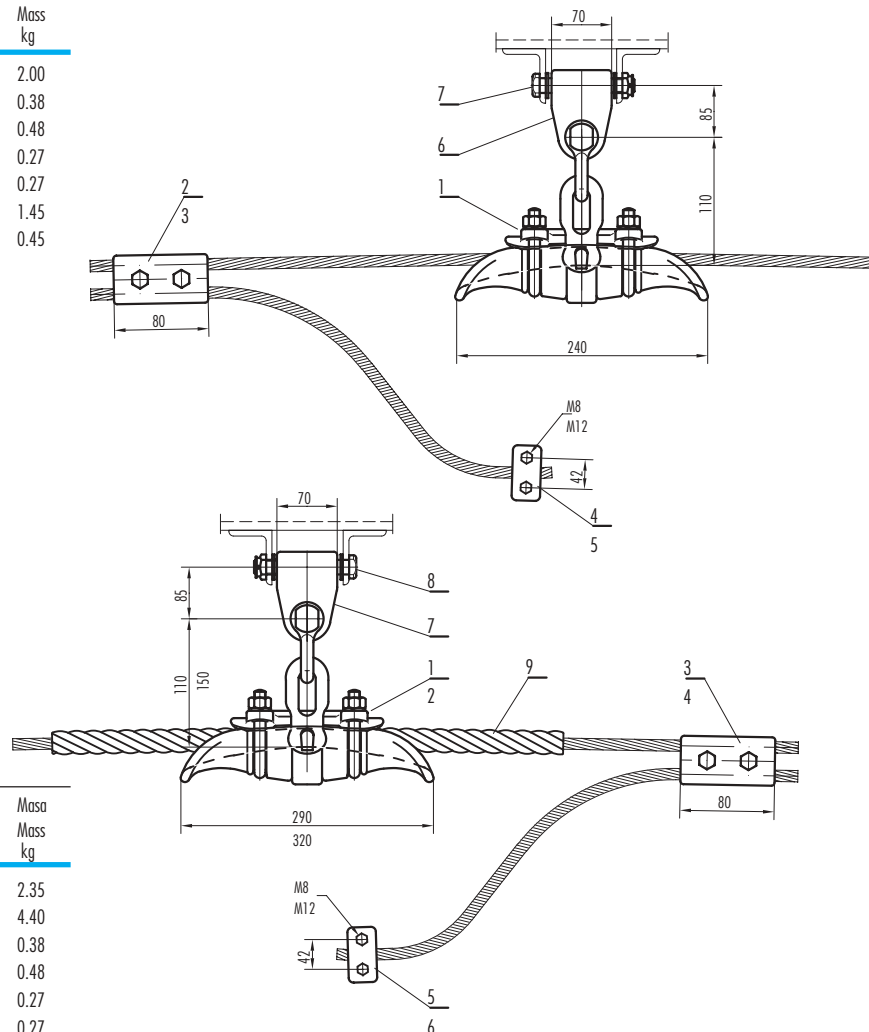
SUSPENSION EARTH WIRE ATTACHMENT

For AW, ACSR
and steel earth wire

Minimum breaking strength (without suspension clamps)

120 kN

ø13.6 - ø18.00 [mm]



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	12.23.10	1	2.35
2.	12.30.10.1	1	4.40
3.	77.35.12	1	0.38
4.	77.36.12	1	0.48
5.	73.13.21	1	0.27
6.	73.13.22	1	0.27
7.	68.70.21	1	1.45
8.	33.20.120.50	1	0.45
9.	Preform. prut (vidi tabelu) Armour rod (see table)		

Za čelično zaštitno užje
For steel earth wire

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
9.	62.13.37.20	1	1.50
	62.13.65.20	1	1.50
	62.14.36.20	1	1.64
	62.14.92.20	1	1.84

Za AWG, Al-Fe i al.leg. za zašt. užje
For AWG, ACSR, Al.alloy earth wire

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
9.	62.13.65	1	0.80
	62.14.36	1	0.85
	62.14.92	1	0.93
	62.15.89	1	0.93
	62.16.67	1	1.06
	62.17.51	1	1.20
	62.17.90	1	1.30
	62.18.81	1	1.40

**OVJEŠENJE NA NOSNOM STUPU
sa "G" nosačem
Za AW, Al-Fe
i čelična užeta**

Minimalna prekidna sila (bez nosne stezaljke)

60 kN

ø13.9 - ø18.00 [mm]

Kut otklona stezaljke prema nosaču max. 45°

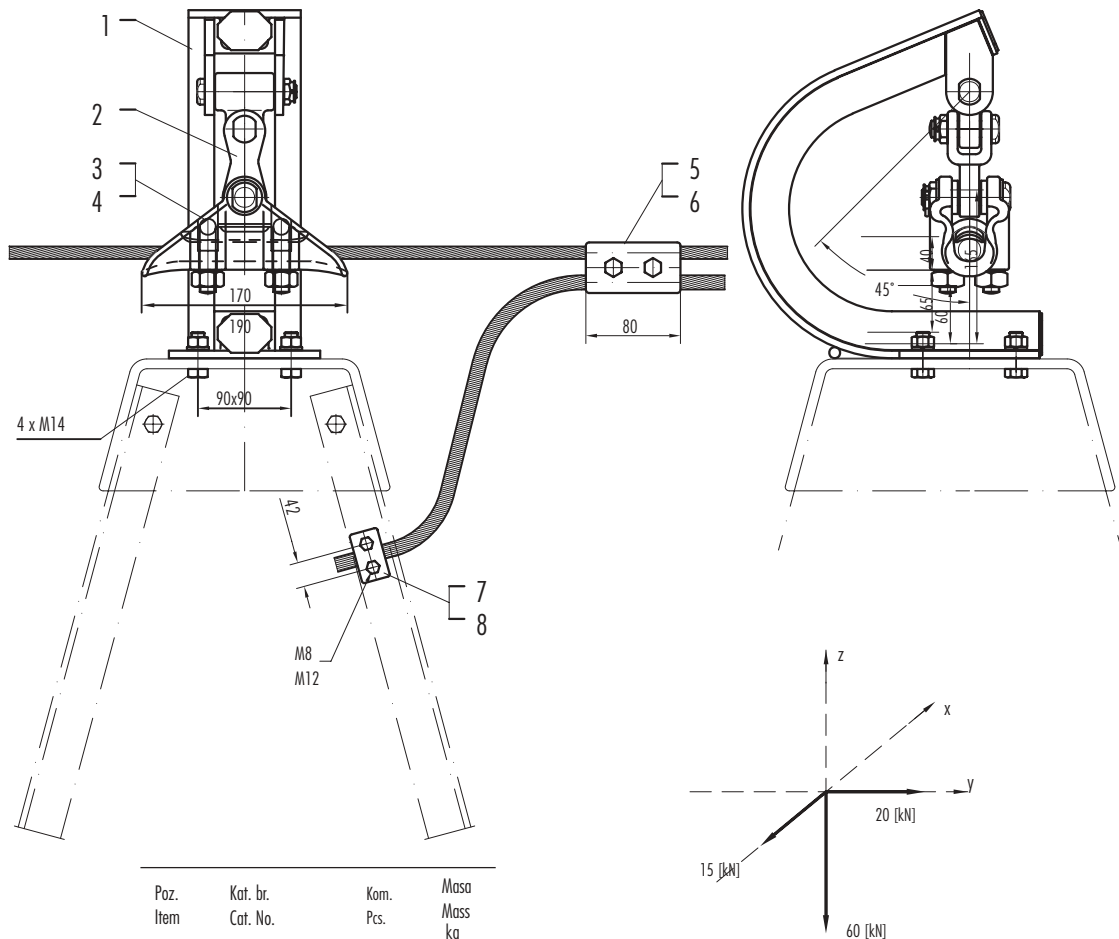
**SUSPENSION EARTH
WIRE ATTACHMENT
with "G" support
For AW, ACSR
and steel earth wire**

Minimum breaking strength (without suspension clamp)

60 kN

ø13.9 - ø18.00 [mm]

Angle of deflection of the clamp
toward the suport max. 45°



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	70.23.20	1	14.50
2.	22.09.10	1	0.60
3.	10.15.10	1	0.95
4.	10.19.10	1	1.20
5.	77.35.12	1	0.38
6.	77.36.12	1	0.48
7.	73.13.21	1	0.27
8.	73.13.22	1	0.27

DOPUŠTENA OPTEREĆENJA U [kN]
PERMISSIBLE LOAD [kN]

EARTH WIRE ATTACHMENTS TO TOWERS

OVJEŠENJE NA NOSNOM STUPU sa "G" nosačem Za AW, Al-Fe i čelična užeta

Minimalna prekidna sila (bez nosne stezaljke)

60 kN

ø13.9 - ø18.00 [mm]

Kut otklona stezaljke prema nosaču max. 50°

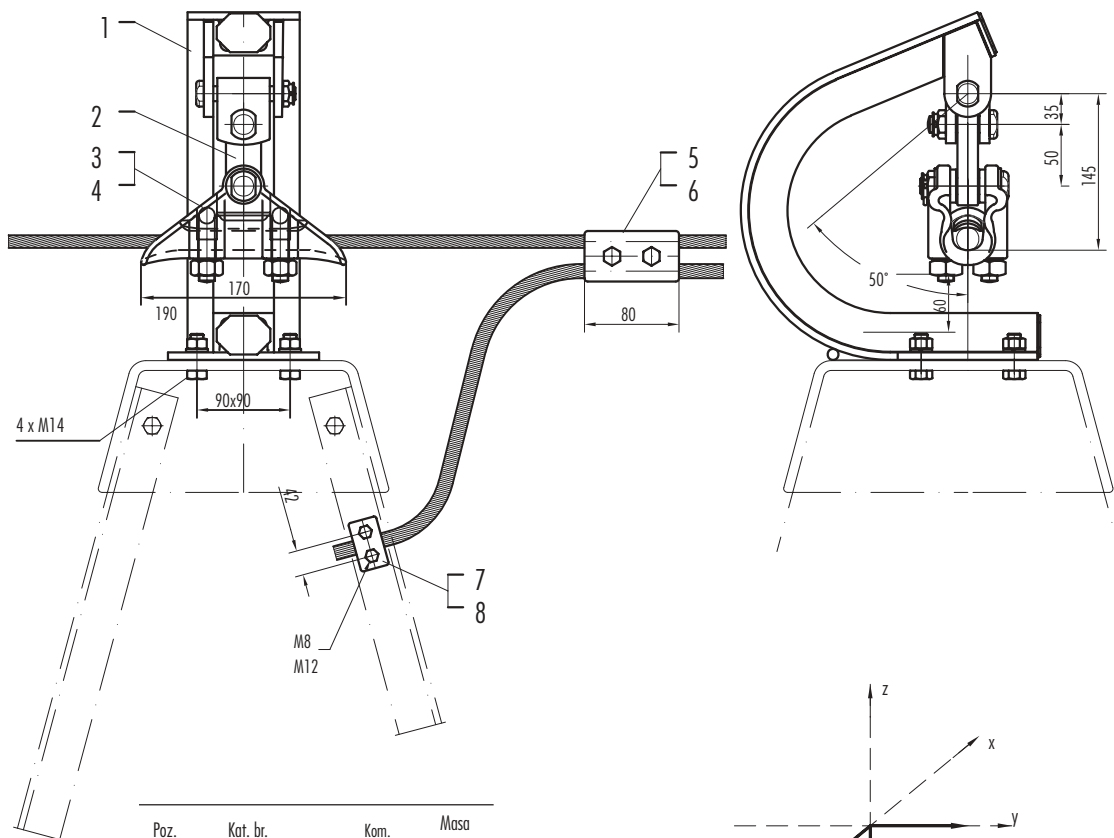
SUSPENSION EARTH WIRE ATTACHMENT with "G" support For AW, ACSR and steel earth wire

Minimum breaking strength (without suspension clamp)

60 kN

ø13.9 - ø18.00 [mm]

Angle of deflection of the clamp
toward the suport max. 50°



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	70.23.20D	1	15.00
2.	43.26.35B	1	0.71
3.	10.15.10	1	0.95
4.	10.19.10	1	1.20
5.	77.35.12	1	0.38
6.	77.36.12	1	0.48
7.	73.13.21	1	0.27
8.	73.13.22	1	0.27

DOPUŠTENA OPTEREĆENJA U [kN]
PERMISSIBLE LOAD [kN]

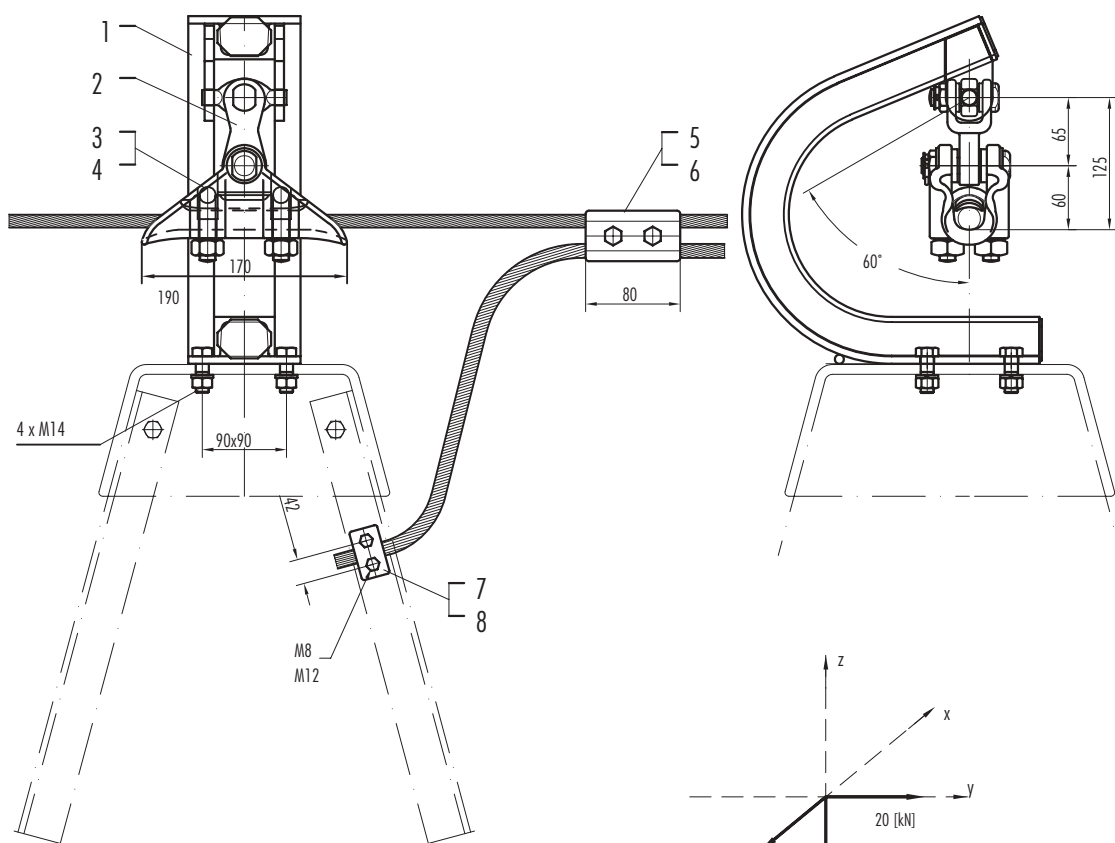
**OVJEŠENJE NA NOSNOM STUPU
sa "G" nosačem
Za AW, Al-Fe
i čelična užeta**

Minimalna prekidna sila (bez nosne stezaljke)

60 kN

ø13.9 - ø18.00 [mm]

Kut otklona stezaljke prema nosaču max. 60°.



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	70.23.20E	1	14.50
2.	22.09.10	1	0.60
3.	10.15.10	1	0.95
4.	10.19.10	1	1.20
5.	77.35.12	1	0.38
6.	77.36.12	1	0.48
7.	73.13.21	1	0.27
8.	73.13.22	1	0.27

**SUSPENSION EARTH
WIRE ATTACHMENT
with "G" support
For AW, ACSR
and steel earth wire**

Minimum breaking strength (without suspension clamp)

60 kN

ø13.9 - ø18.00 [mm]

Angle of deflection of the clamp
toward the suport max. 60°.

DOPUŠTENA OPTEREĆENJA U [kN]
PERMISSIBLE LOAD [kN]

EARTH WIRE ATTACHMENTS TO TOWERS

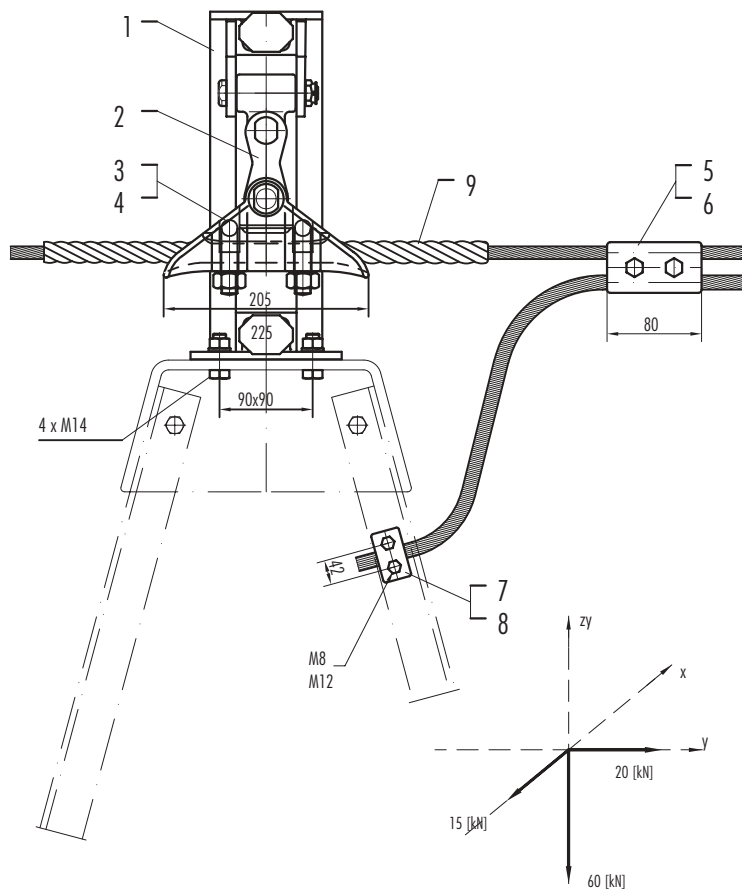
OVJEŠENJE NA NOSNOM STUPU sa "G" nosačem Za AW, Al-Fe i čelična užeta

Minimalna prekidna sila (bez nosne stezaljke)

60 kN

ø13.9 - ø18.00 [mm]

Kut otklona stezaljke prema nosaču max. 45°



DOPUŠTENA OPTEREĆENJA U [kN]
PERMISSIBLE LOAD [kN]

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	70.23.20	1	14.50
2.	22.09.10	1	0.60
3.	10.25.10.40	1	1.50
4.	10.35.10	1	2.40
5.	77.35.12	1	0.38
6.	77.36.12	1	0.48
7.	73.13.21	1	0.27
8.	73.13.22	1	0.27
9.	Preform. prut (vidi tabelu) Armour rod (see table)		

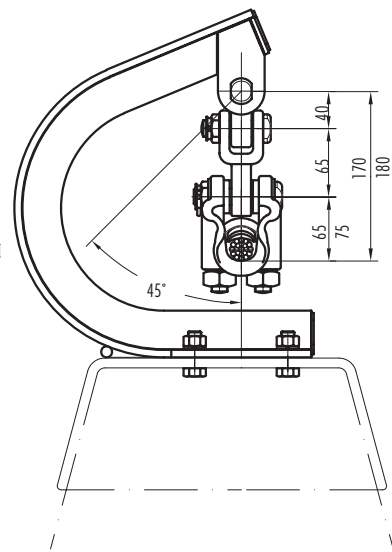
SUSPENSION EARTH WIRE ATTACHMENT with "G" support For AW, ACSR and steel earth wire

Minimum breaking strength (without suspension clamp)

60 kN

ø13.9 - ø18.00 [mm]

Angle of deflection of the clamp
toward the suport max. 45°



Za AWG, Al-Fe i al.leg. za zašt. uže
For AWG, ACSR, Al.alloy earth wire

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
9.	62.13.65	1	0.80
	62.14.36	1	0.85
	62.14.92	1	0.93
	62.15.89	1	0.93
	62.16.67	1	1.06
	62.17.51	1	1.20
	62.17.90	1	1.30
	62.18.81	1	1.40

Za čelično zaštitno uže
For steel earth wire

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
9.	62.13.37.20	1	1.50
	62.13.65.20	1	1.50
	62.14.36.20	1	1.64
	62.14.92.20	1	1.84

OVJEŠENJE NA NOSNOM STUPU sa "G" nosačem Za AW, Al-Fe i čelična užeta

Minimalna prekidna sila (bez nosne stezaljke)

60 kN

ø13.9 - ø18.00 [mm]

Kut otklona stezaljke prema nosaču max. 45°

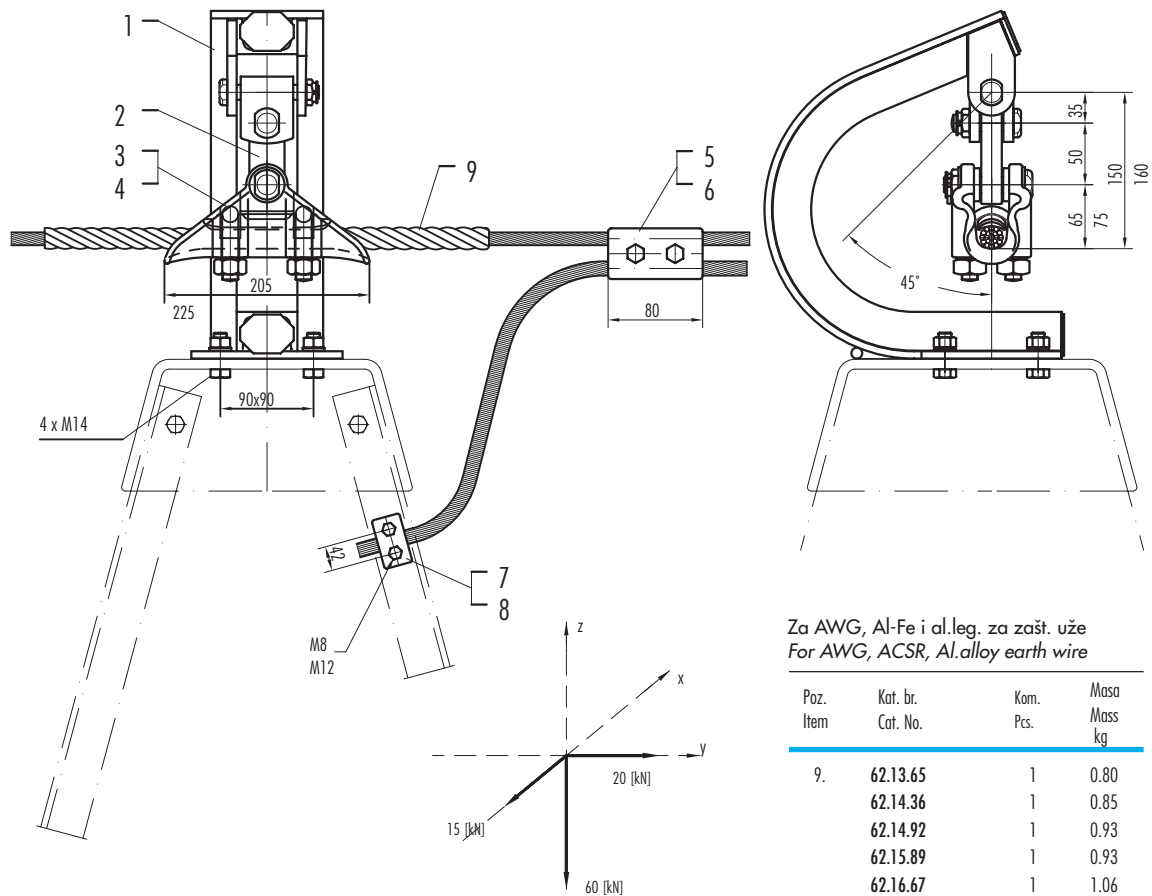
SUSPENSION EARTH WIRE ATTACHMENT with "G" support For AW, ACSR and steel earth wire

Minimum breaking strength (without suspension clamp)

60 kN

ø13.9 - ø18.00 [mm]

Angle of deflection of the clamp
toward the suport max. 45°



Za AWG, Al-Fe i al.leg. za zašt. uže
For AWG, ACSR, Al.alloy earth wire

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
9.	62.13.65	1	0.80
	62.14.36	1	0.85
	62.14.92	1	0.93
	62.15.89	1	0.93
	62.16.67	1	1.06
	62.17.51	1	1.20
	62.17.90	1	1.30
	62.18.81	1	1.40

DOPUŠTENA OPTEREĆENJA U [kN]
PERMISSIBLE LOAD [kN]

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	70.23.20D	1	15.00
2.	43.26.35B	1	0.71
3.	10.25.10.40	1	1.50
4.	10.35.10	1	2.40
5.	77.35.12	1	0.38
6.	77.36.12	1	0.48
7.	73.13.21	1	0.27
8.	73.13.22	1	0.27
9.	Preform. prut (vidi tabelu) Armour rod (see table)		

Za čelično zaštitno uže
For steel earth wire

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
9.	62.13.37.20	1	1.50
	62.13.65.20	1	1.50
	62.14.36.20	1	1.64
	62.14.92.20	1	1.84

EARTH WIRE ATTACHMENTS TO TOWERS

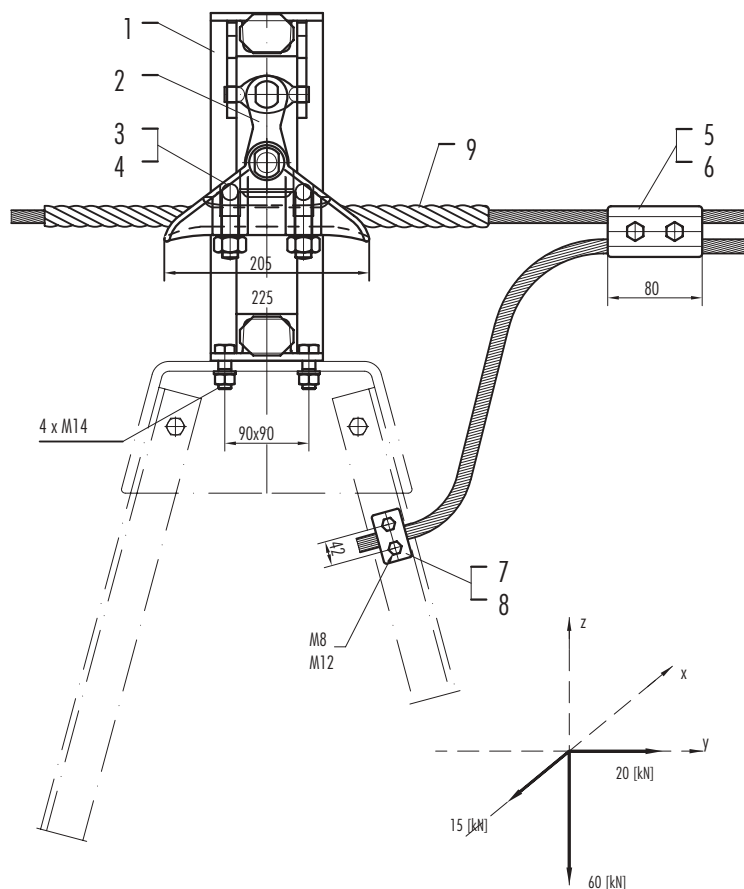
OVJEŠENJE NA NOSNOM STUPU sa "G" nosačem Za AW, Al-Fe i čelična užeta

Minimalna prekidna sila (bez nosne stezaljke)

60 kN

ø13.9 - ø18.00 [mm]

Kut odklona stezaljke prema nosaču max. 50°.



DOPUŠTENA OPTEREĆENJA U [kN]
PERMISSIBLE LOAD [kN]

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	70.23.20E	1	14.50
2.	22.09.10	1	0.60
3.	10.25.10.40	1	1.50
4.	10.35.10	1	2.40
5.	77.35.12	1	0.38
6.	77.36.12	1	0.48
7.	73.13.21	1	0.27
8.	73.13.22	1	0.27
9.	Preform. prut (vidi tabelu) Armour rod (see table)		

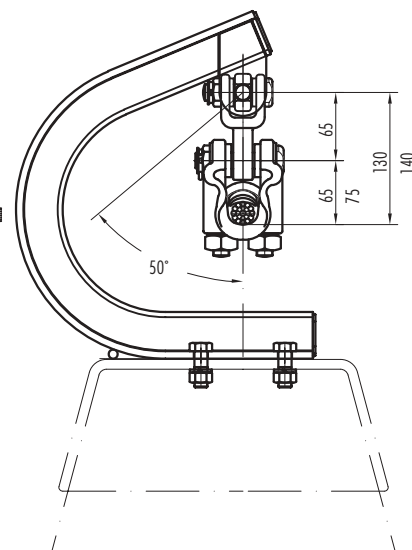
SUSPENSION EARTH WIRE ATTACHMENT with "G" support For AW, ACSR and steel earth wire

Minimum breaking strength (without suspension clamp)

60 kN

ø13.9 - ø18.00 [mm]

Angle of deflection of the clamp
toward the suport max. 50°.



Za AWG, Al-Fe i al.leg. za zašt. uže
For AWG, ACSR, Al.alloy earth wire

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
9.	62.13.65	1	0.80
	62.14.36	1	0.85
	62.14.92	1	0.93
	62.15.89	1	0.93
	62.16.67	1	1.06
	62.17.51	1	1.20
	62.17.90	1	1.30
	62.18.81	1	1.40

Za čelično zaštitno uže
For steel earth wire

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
9.	62.13.37.20	1	1.50
	62.13.65.20	1	1.50
	62.14.36.20	1	1.64
	62.14.92.20	1	1.84

**OVJEŠENJE NA NOSNOM STUPU
sa "G" nosačem
Za AW, Al-Fe
i čelična užeta**

Minimalna prekidna sila (bez nosne stezaljke)

60 kN

ø13.9 - ø18.00 [mm]

Kut otklona stezaljke prema nosaču max. 45°

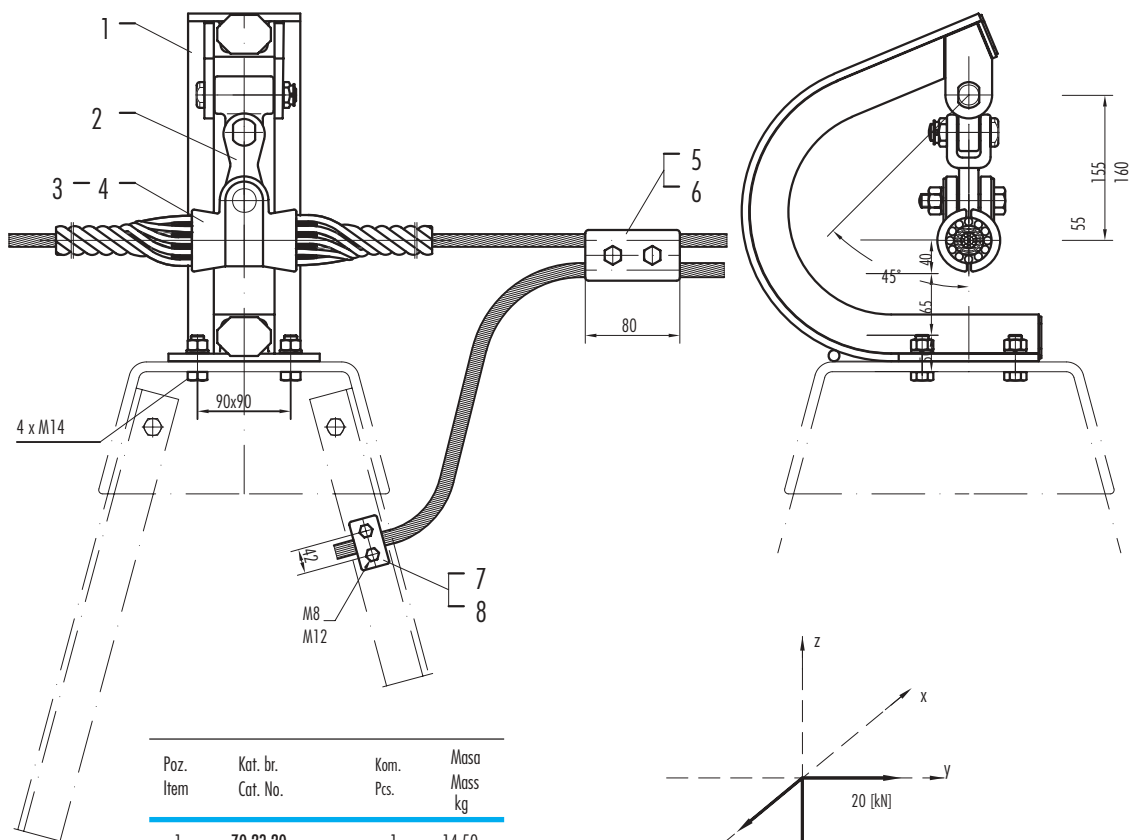
**SUSPENSION EARTH
WIRE ATTACHMENT
with "G" support
For AW, ACSR
and steel earth wire**

Minimum breaking strength (without suspension clamp)

60 kN

ø13.9 - ø18.00 [mm]

Angle of deflection of the clamp
toward the suport max. 45°



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	70.23.20	1	14.50
2.	22.09.50	1	0.60
3.	13.13.65	1	1.90
4.	13.17.90	1	2.70
5.	77.35.12	1	0.38
6.	77.36.12	1	0.48
7.	73.13.21	1	0.27
8.	73.13.22	1	0.27

DOPUŠTENA OPTERECENJA U [kN]
PERMISSIBLE LOAD [kN]

EARTH WIRE ATTACHMENTS TO TOWERS

OVJEŠENJE NA NOSNOM STUPU sa "G" nosačem Za AW, Al-Fe i čelična užeta

Minimalna prekidna sila (bez nosne stezaljke)

60 kN

ø13.9 - ø18.00 [mm]

Kut otklona stezaljke prema nosaču max. 50°

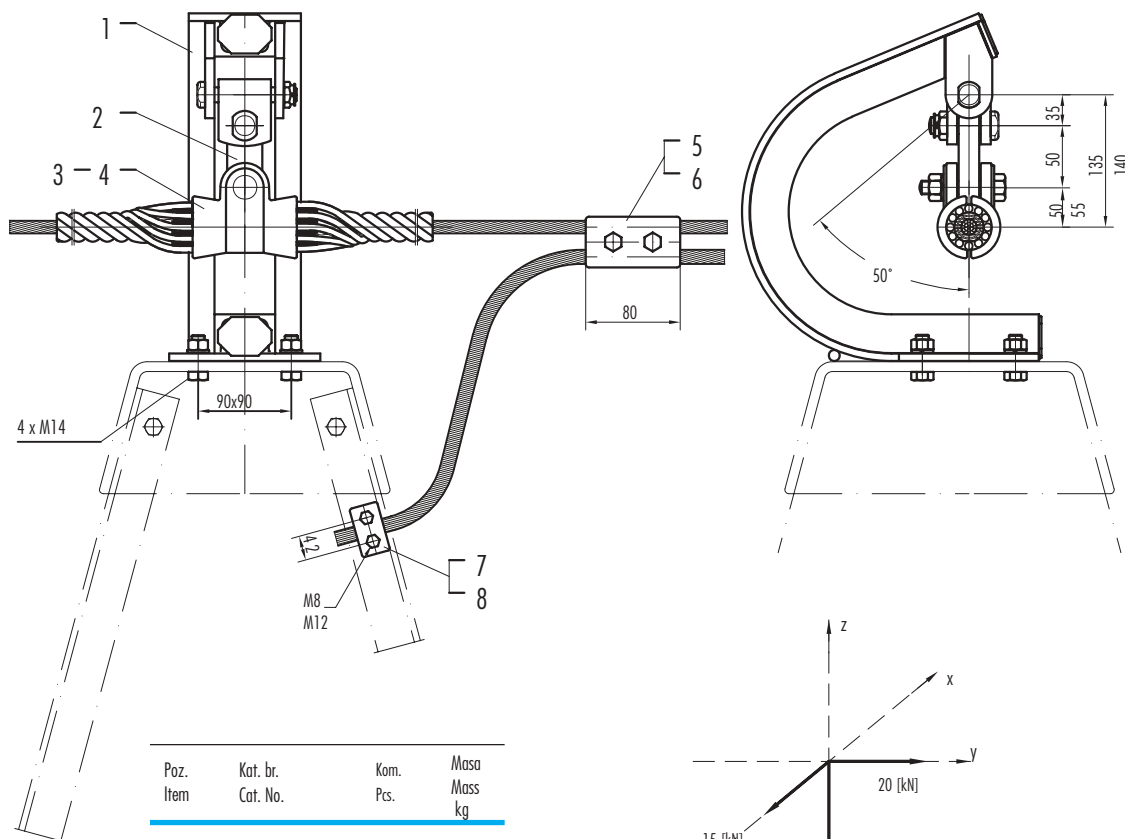
SUSPENSION EARTH WIRE ATTACHMENT with "G" support For AW, ACSR and steel earth wire

Minimum breaking strength (without suspension clamp)

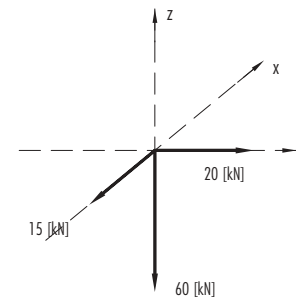
60 kN

ø13.9 - ø18.00 [mm]

Angle of deflection of the clamp
toward the suport max. 50°



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	70.23.20D	1	15.00
2.	43.26.35B	1	0.71
3.	13.13.65	1	1.90
4.	13.17.90	1	2.70
5.	77.35.12	1	0.38
6.	77.36.12	1	0.48
7.	73.13.21	1	0.27
8.	73.13.22	1	0.27



DOPUŠTENA OPTEREĆENJA U [kN]
PERMISSIBLE LOAD [kN]

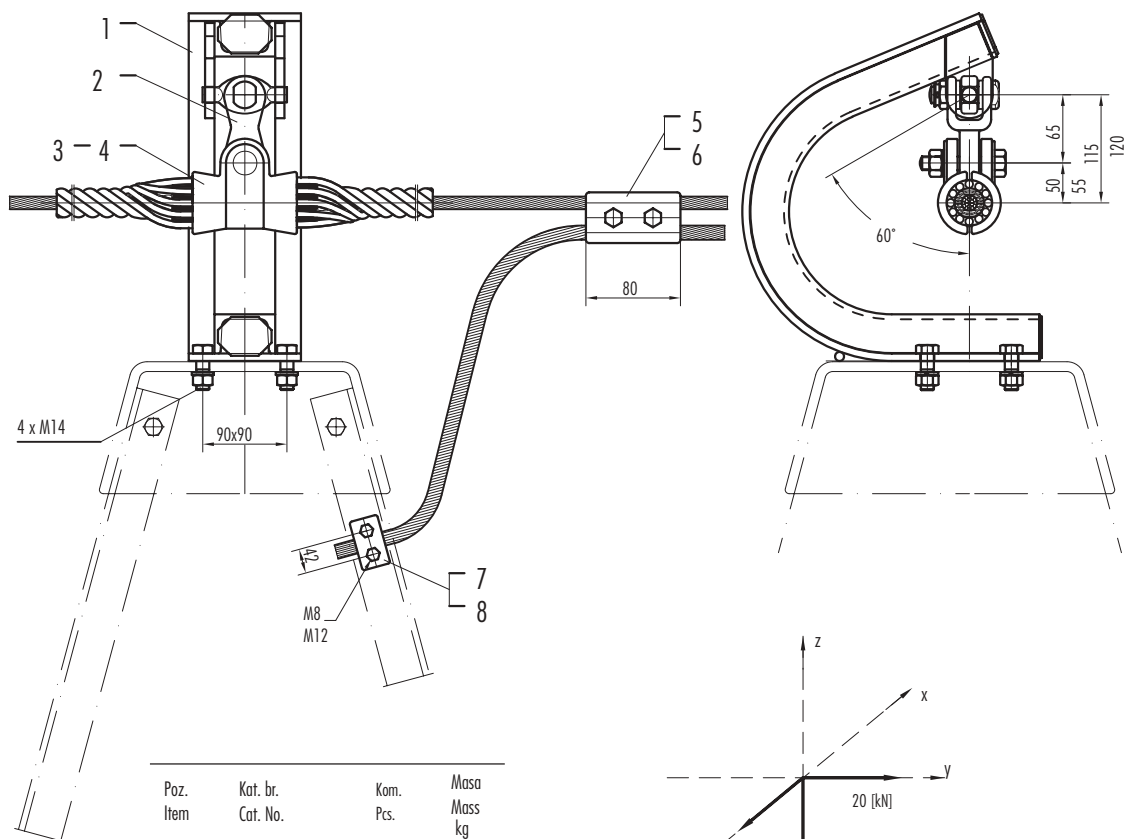
**OVJEŠENJE NA NOSNOM STUPU
sa "G" nosačem
Za AW, Al-Fe
i čelična užeta**

Minimalna prekidna sila (bez nosne stezaljke)

60 kN

ø13.9 - ø18.00 [mm]

Kut otklona stezaljke prema nosaču max. 60°.



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	70.23.20E	1	14.50
2.	22.09.50	1	0.60
3.	13.13.65	1	1.90
4.	13.17.90	1	2.70
5.	77.35.12	1	0.38
6.	77.36.12	1	0.48
7.	73.13.21	1	0.27
8.	73.13.22	1	0.27

196.

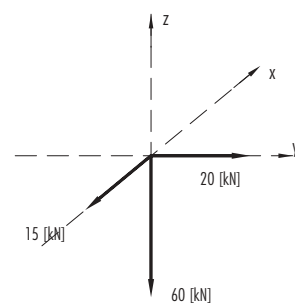
**SUSPENSION EARTH
WIRE ATTACHMENT
with "G" support
For AW, ACSR
and steel earth wire**

Minimum breaking strength (without suspension clamp)

60 kN

ø13.9 - ø18.00 [mm]

Angle of deflection of the clamp
toward the suport max. 60°.



DOPUŠTENA OPTEREĆENJA U [kN]
PERMISSIBLE LOAD [kN]

196.

EARTH WIRE ATTACHMENTS TO TOWERS

ZAVJEŠENJE NA ZATEZNOM STUPU

Za čelična i AW zaštitna užeta

Minimalna prekidna sila

95% prekidne sile zaštitnog užeta

ø7.5 - ø12.5 [mm]

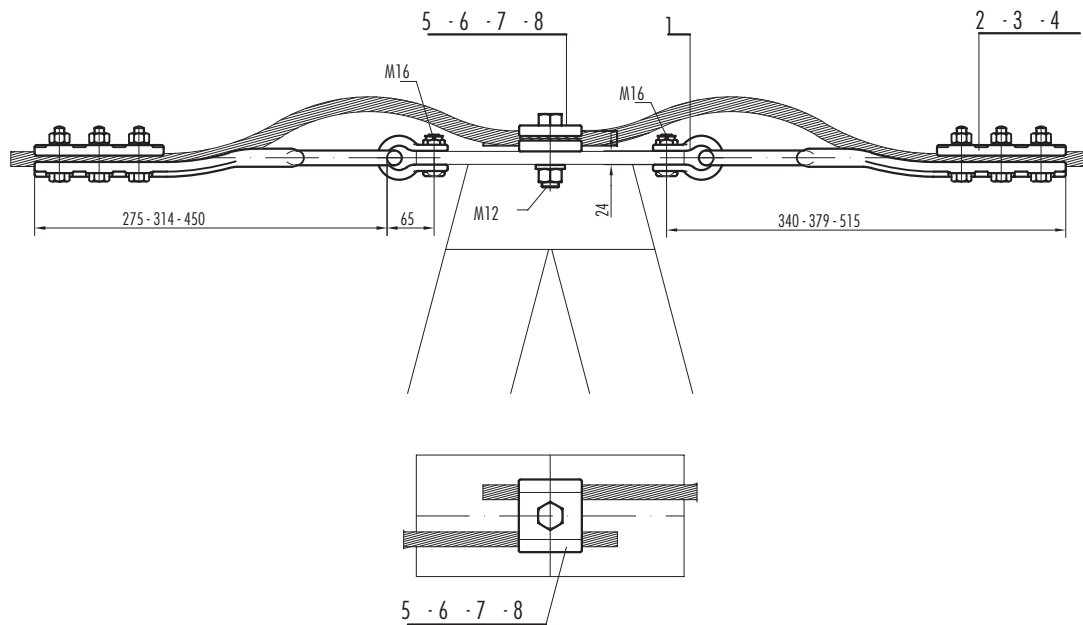
TENSION EARTH WIRE ATTACHMENT

For steel and AW earth wire

Minimum breaking strength

95% of U.T.S. of earth wire

ø7.5 - ø12.5 [mm]



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	27.08.10	2	0.65
2.	71.20.50	2	1.53
3.	71.30.50	2	2.38
4.	71.80.50	2	6.00
5.	73.22.45	1	0.34
6.	73.21.46	1	0.36
7.	73.21.47	1	0.36
8.	73.21.50	1	0.36

ZAVJEŠENJE NA ZATEZNOJ STUPU

Za čelična i AW zaštitna užeta

Minimalna prekidna sila

95% prekidne sile zaštitnog užeta

ø7.5 - ø14.5 [mm]

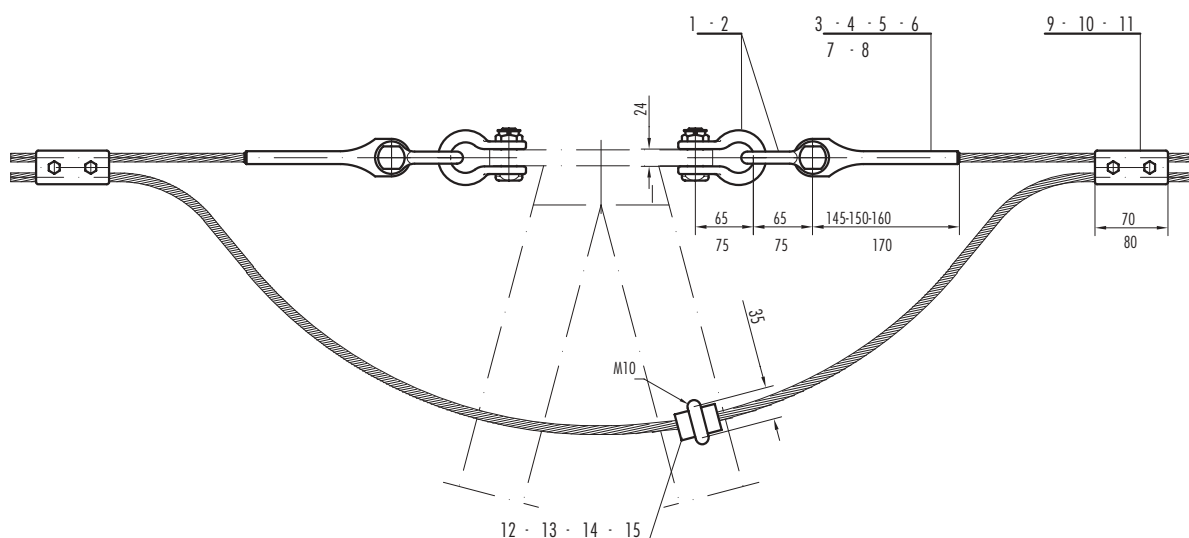
TENSION EARTH ATTACHMENT

For steel and AWG earth wire

Minimum breaking strength

95% of strength U.T.S. of earth wire

ø7.5 - ø14.5 [mm]



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	27.08.10	4	0.65
2.	27.10.10	4	0.95
3.	72.615.80	2	0.39
4.	72.619.95	2	0.50
5.	72.621.110	2	0.65
6.	72.625.130	2	0.75
7.	72.625.137	2	0.78
8.	72.625.150	2	0.84
9.	77.33.12	2	0.18
10.	77.34.12	2	0.26
11.	77.35.12	2	0.38
12.	73.11.01	1	0.36
13.	73.11.02	1	0.355
14.	73.11.03	1	0.35
15.	73.11.04	1	0.34

EARTH WIRE ATTACHMENTS TO TOWERS

ZAVJEŠENJE NA ZATEZNOM STUPU

Za čelična i AW zaštitna užeta

Minimalna prekidna sila

95% prekidne sile zaštitnog užeta

ø7.5 - ø14.5 [mm]

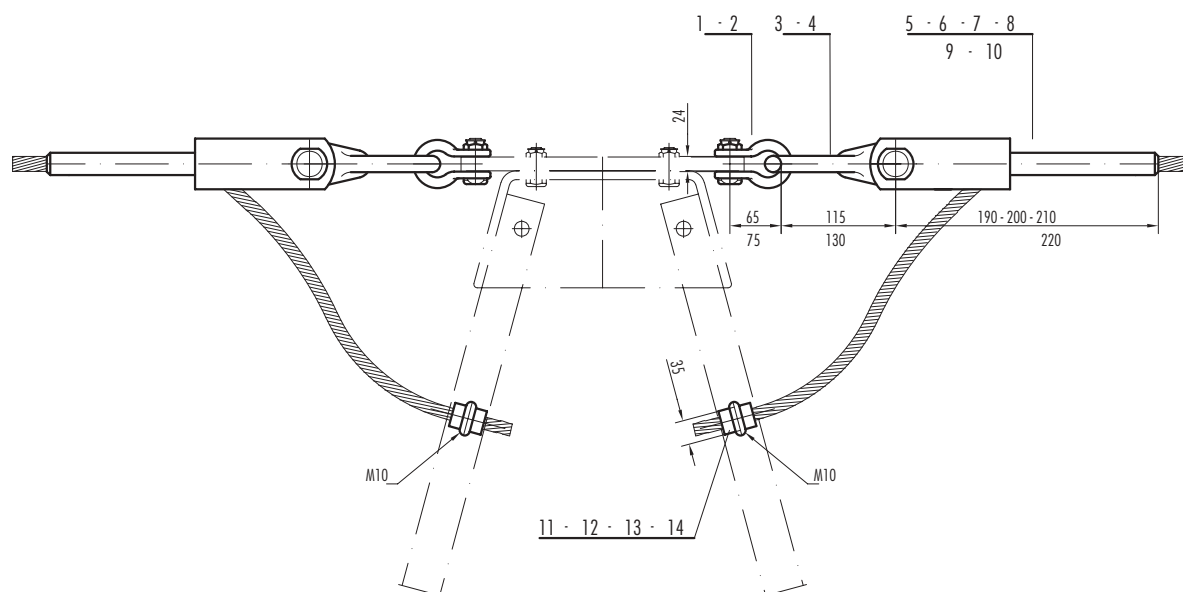
TENSION EARTH ATTACHMENT

For steel and AW earth wire

Minimum breaking strength

95% of U.T.S. of earth wire

ø7.5 - ø14.5 [mm]



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	27.08.10	2	0.65
2.	27.10.10	2	0.95
3.	21.33.10	2	0.60
4.	21.45.30	2	1.06
5.	72.115.80	2	0.67
6.	72.119.95	2	0.840
7.	72.121.110	2	0.906
8.	72.125.130	2	1.186
9.	72.125.137	2	1.170
10.	72.125.150	2	1.138
11.	73.11.01	2	0.36
12.	73.11.02	2	0.355
13.	73.11.03	2	0.35
14.	73.11.04	2	0.34

ZAVJEŠENJE NA ZATEZNOJ STUPU

Za čelična i AW zaštitna užeta

Minimalna prekidna sila

95% prekidne sile zaštitnog užeta

ø7.5 - ø11.0 [mm]

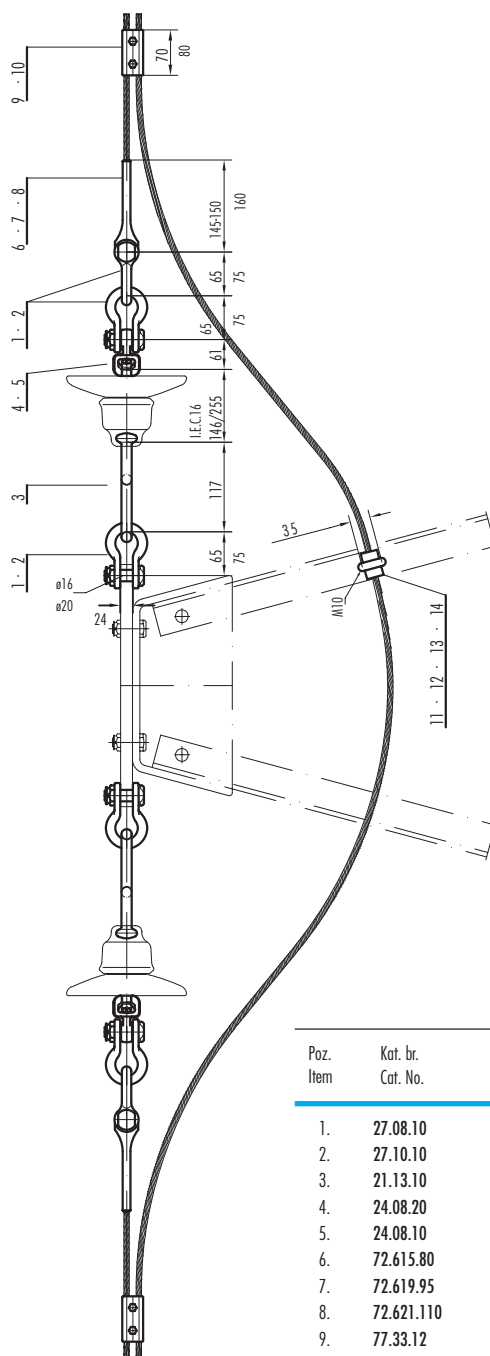
TENSION EARTH ATTACHMENT

For steel and AW earth wire

Minimum breaking strength

95% of U.T.S. of earth wire

ø7.5 - ø11.0 [mm]



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	27.08.10	6	0.65
2.	27.10.10	6	0.95
3.	21.13.10	2	0.50
4.	24.08.20	2	0.80
5.	24.08.10	2	0.80
6.	72.615.80	2	0.39
7.	72.619.95	2	0.50
8.	72.621.110	2	0.65
9.	77.33.12	2	0.18
10.	77.34.12	2	0.26
11.	73.11.01	1	0.36
12.	73.11.02	1	0.355
13.	73.11.03	1	0.35
14.	73.11.04	1	0.34

ZAVJEŠENJE NA ZATEZNOJ STUPU

Za čelična i AW zaštitna užeta

Minimalna prekidna sila

95% prekidne sile zaštitnog užeta

ø7.5 - ø11.0 [mm]

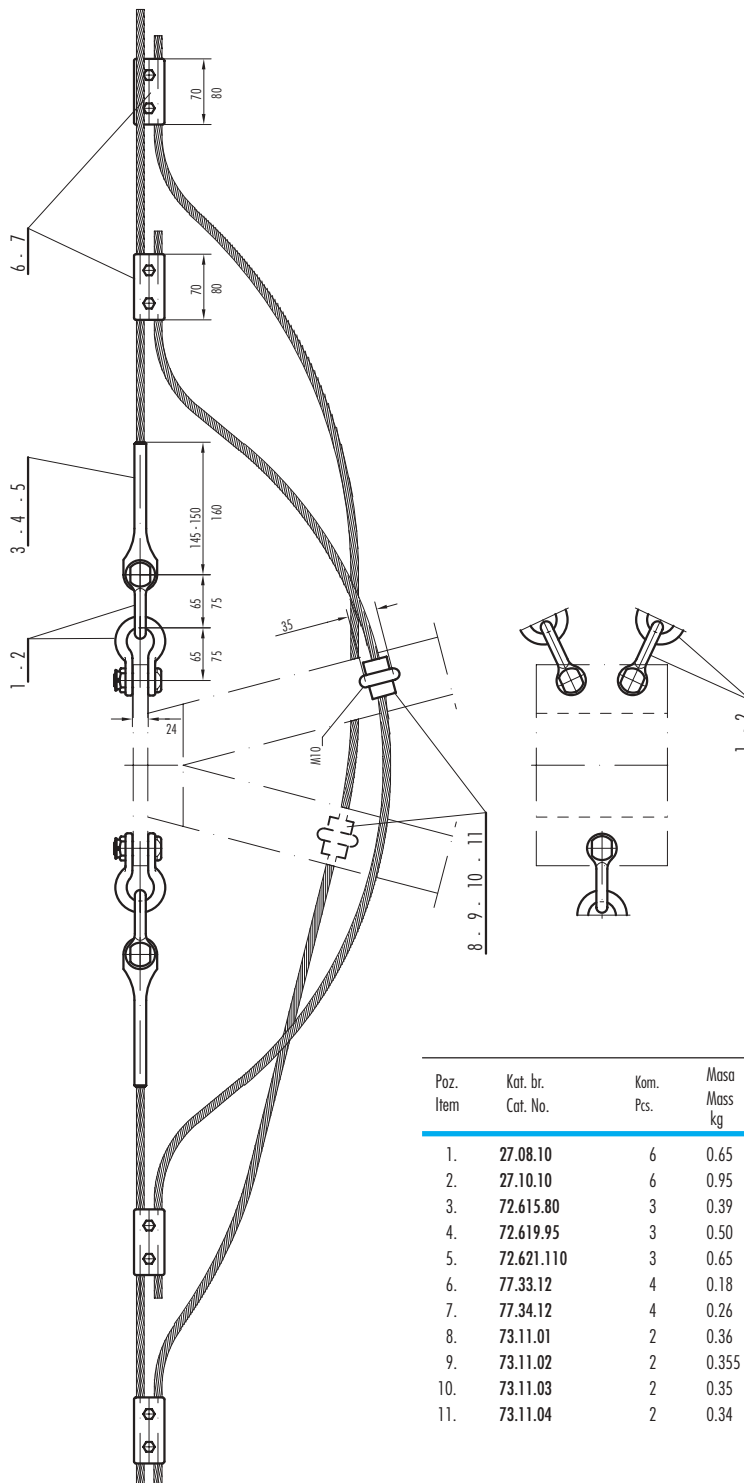
TENSION EARTH ATTACHMENT

For steel and AW earth wire

Minimum breaking strength

95% of U.T.S. of earth wire

ø7.5 - ø11.0 [mm]



EARTH WIRE ATTACHMENTS TO TOWERS

ZAVJEŠENJE NA ZATEZNOM STUPU

Za čelična i AW zaštitna užeta

Minimalna prekidna sila

95% prekidne sile zaštitnog užeta

ø7.5 - ø11.0 [mm]

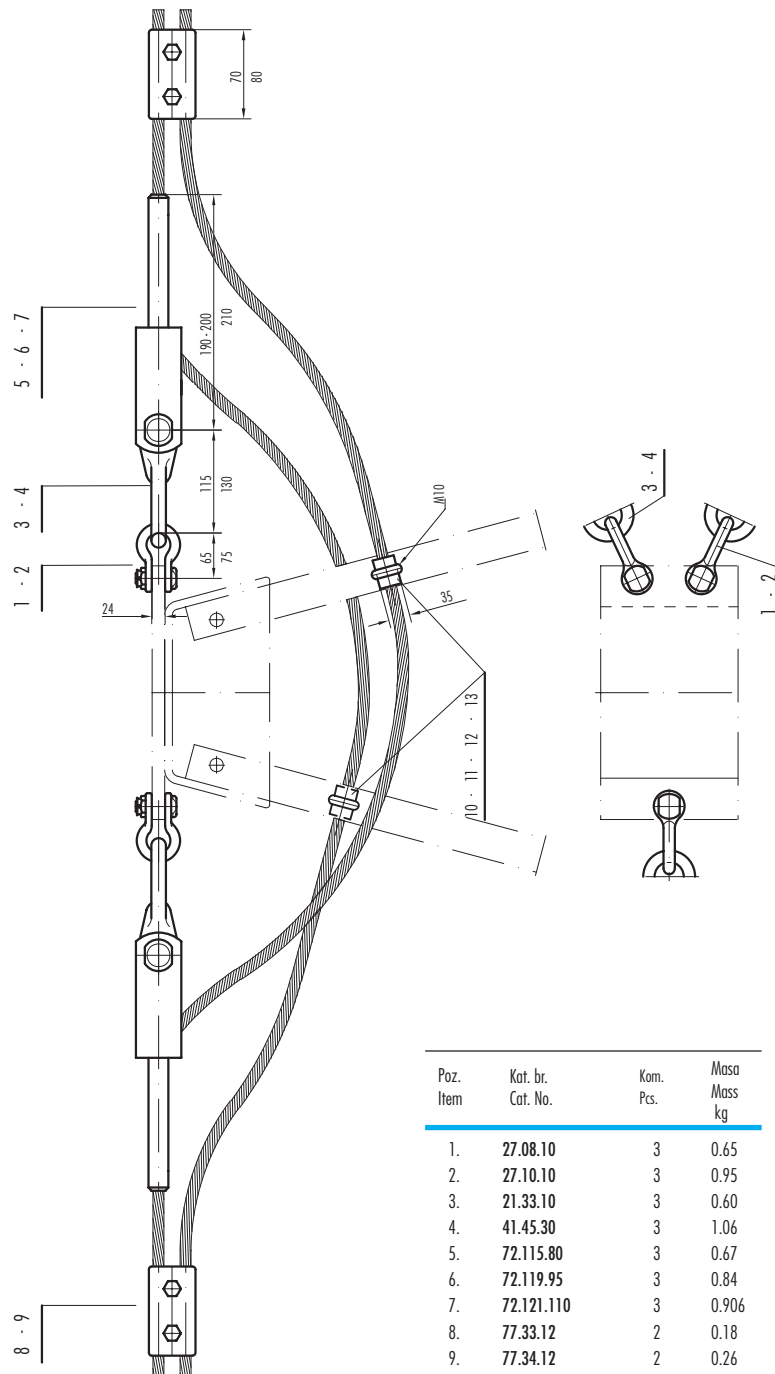
TENSION TOWER ATTACHMENTS

For steel and AW earth wire

Minimum breaking strength

95% of U.T.S. of earth wire

ø7.5 - ø11.0 [mm]



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	27.08.10	3	0.65
2.	27.10.10	3	0.95
3.	21.33.10	3	0.60
4.	41.45.30	3	1.06
5.	72.115.80	3	0.67
6.	72.119.95	3	0.84
7.	72.121.110	3	0.906
8.	77.33.12	2	0.18
9.	77.34.12	2	0.26
10.	73.11.01	2	0.36
11.	73.11.02	2	0.355
12.	73.11.03	2	0.35
13.	73.11.04	2	0.34

ZAVJEŠENJE NA ZATEZNOM STUPU

Za uže Al-Fe i Al-legura

Minimalna prekidna sila

95% prekidne sile zaštitnog užeta

ø11.5 - ø18.00 [mm]

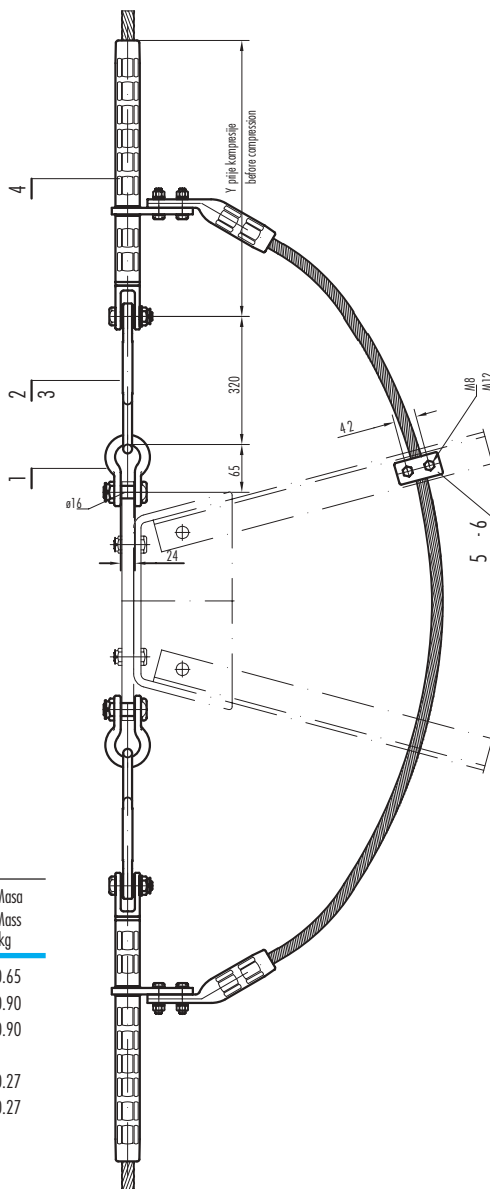
TENSION EARTH ATTACHMENT

For ACSR, AAAC

Minimum breaking strength

95% of U.T.S. of earth wire

ø11.5 - ø18.00 [mm]



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	27.08.10	2	0.65
2.	26.47.30.20	2	0.90
3.	26.47.30	2	0.90
4.	50.00.000	2	.
5.	73.13.21.90	1	0.27
6.	73.13.22	1	0.27

200.

200.

EARTH WIRE ATTACHMENTS TO TOWERS

ZAVJEŠENJE NA ZATEZNOM STUPU Za uže Al-Fe i Al-legura

Minimalna prekidna sila

95% prekidne sile zaštitnog užeta

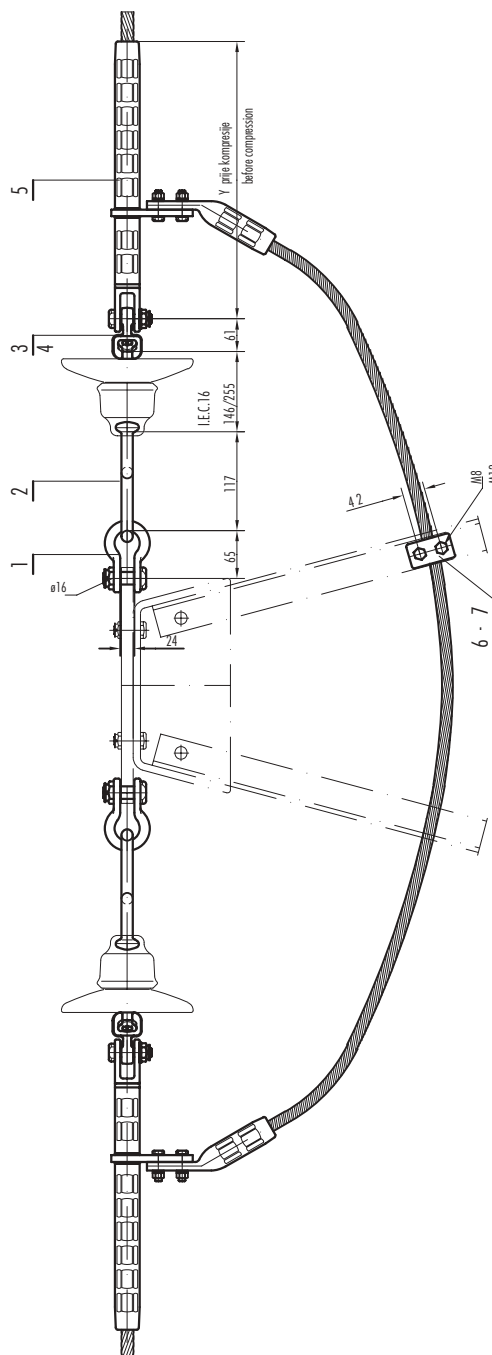
ø11.5 - ø18.00 [mm]

TENSION EARTH ATTACHMENT For ACSR, AAAC

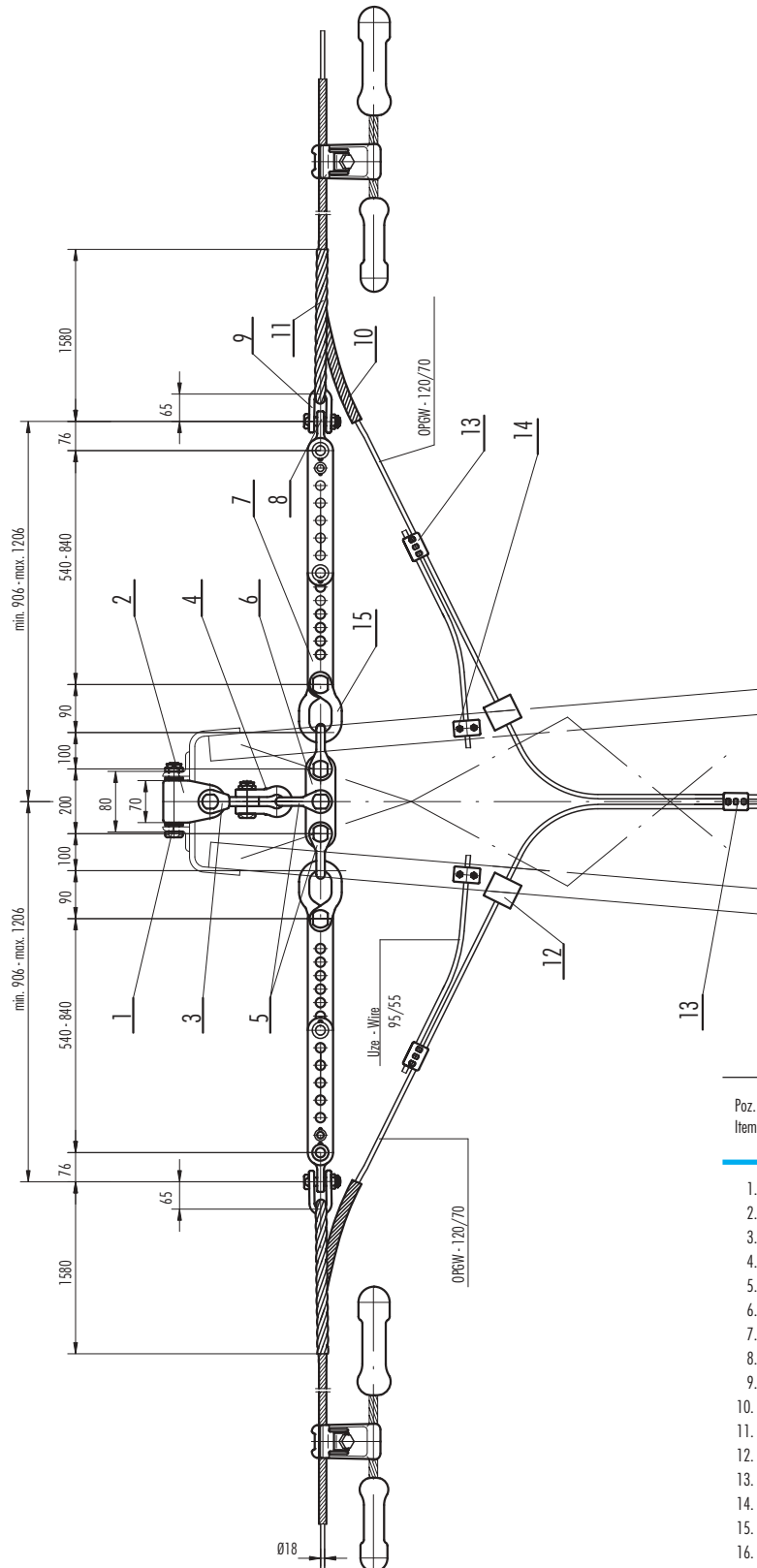
Minimum breaking strength

95% of U.T.S. of earth wire

ø11.5 - ø18.00 [mm]



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	27.08.10	2	0.65
2.	21.13.10	2	0.50
3.	24.08.20	2	0.80
4.	24.08.10	2	0.80
5.	50.00.000	2	.
6.	73.13.21.90	1	0.27
7.	73.13.22	1	0.27

ZAVJEŠENJE OPTIČKOG KABELA
NA NOSNOM STUPUMinimalna prekidna sila **120 kN**SUSPENSION OPGW
ATTACHMENT TO TOWERMinimum breaking strength **120 kN**

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	33.20.120.50	1	0.45
2.	68.70.21	1	1.45
3.	22.45.50	1	0.65
4.	27.10.10	1	0.95
5.	27.18.10	3	2.05
6.	43.26.65.20	1	2.40
7.	43.26.61	2	7.00
8.	22.33.80.20	2	0.75
9.	16.85.50	2	1.30
10.	43.62.113A	2	3.40
11.	43.62.114B	2	4.25
12.	44.70.20.60	2	0.44
13.	77.36.13	3	0.72
14.	73.13.22.80	2	0.27
15.	27.32.10	2	1.10
16.	66.30.90.7	-	3.20

OPGW ATTACHMENTS TO TOWERS

ZAVJEŠENJE OPTIČKOG KABELA NA ZATEZNOM STUPU

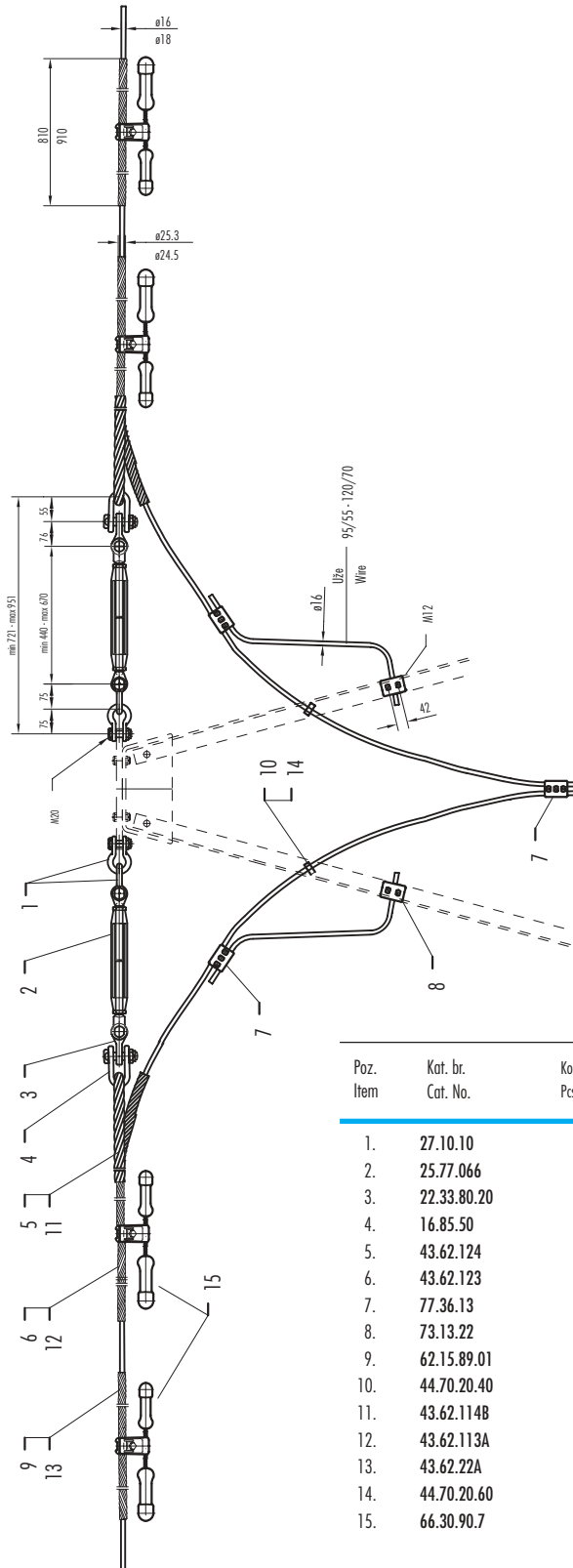
Minimalna prekidna sila

95% prekidne sile zaštitnog užeta

TENSION OPGW ATTACHMENT TO TOWER

Minimum breaking strength

95% of U.T.S. of earth wire



ZAVJEŠENJE OPTIČKOG KABELA NA ZATEZNOM STUPU

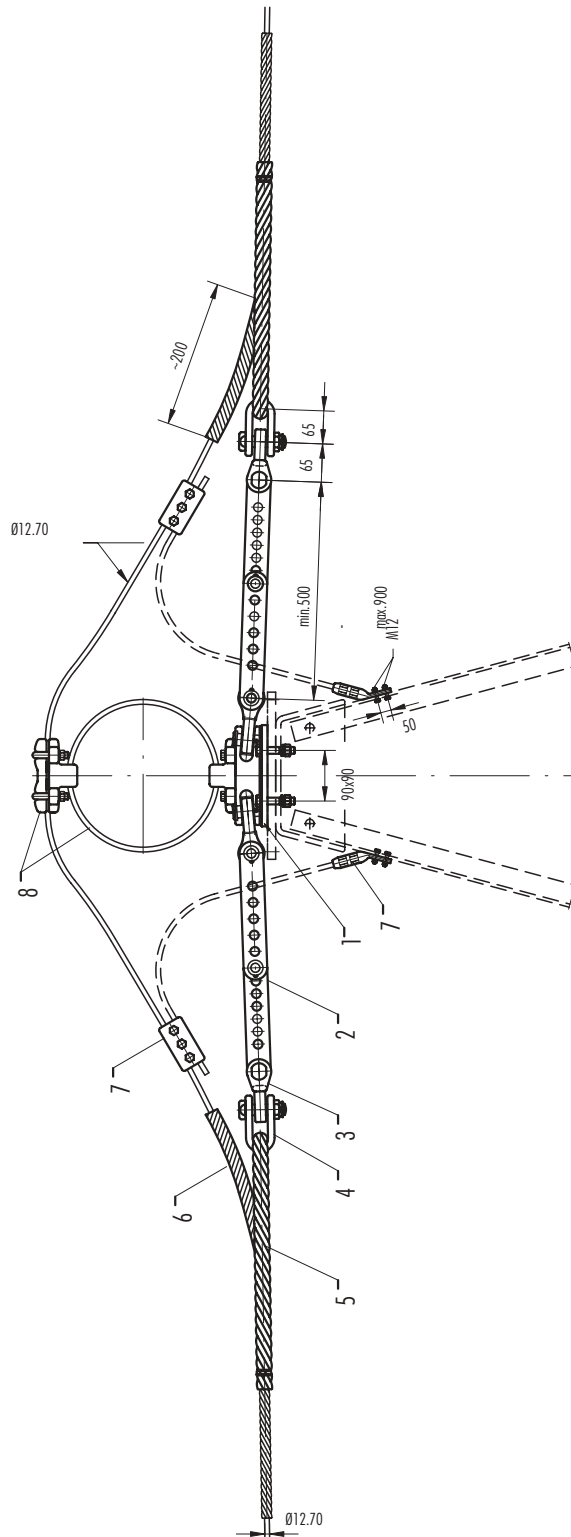
Minimalna prekidna sila

95% prekidne sile zaštitnog užeta

TENSION OPGW ATTACHMENT TO TOWER

Minimum breaking strength

95% of U.T.S. of earth wire



Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	70.21.10.20	1	7.00
2.	43.26.547	2	7.20
3.	22.45.50.18	2	0.60
4.	16.85.50	2	1.30
5.	43.62.58	2	1.80
6.	43.62.110	2	2.10
7.	43.82.212	2	1.10
8.	43.38.43	1	1.45

OPGW ATTACHMENTS TO TOWERS

ZAVJEŠENJE OPTIČKOG KABELA NA ZATEZNOM STUPU

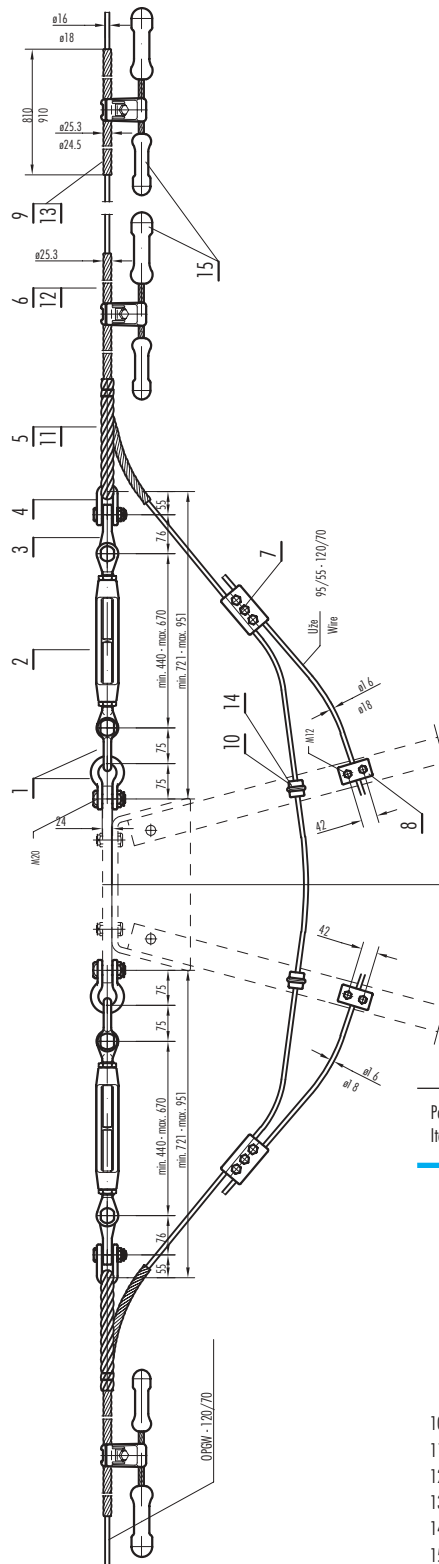
Minimalna prekidna sila

95% prekidne sile zaštitnog užeta

TENSION OPGW ATTACHMENT TO TOWER

Minimum breaking strength

95% of U.T.S. of earth wire



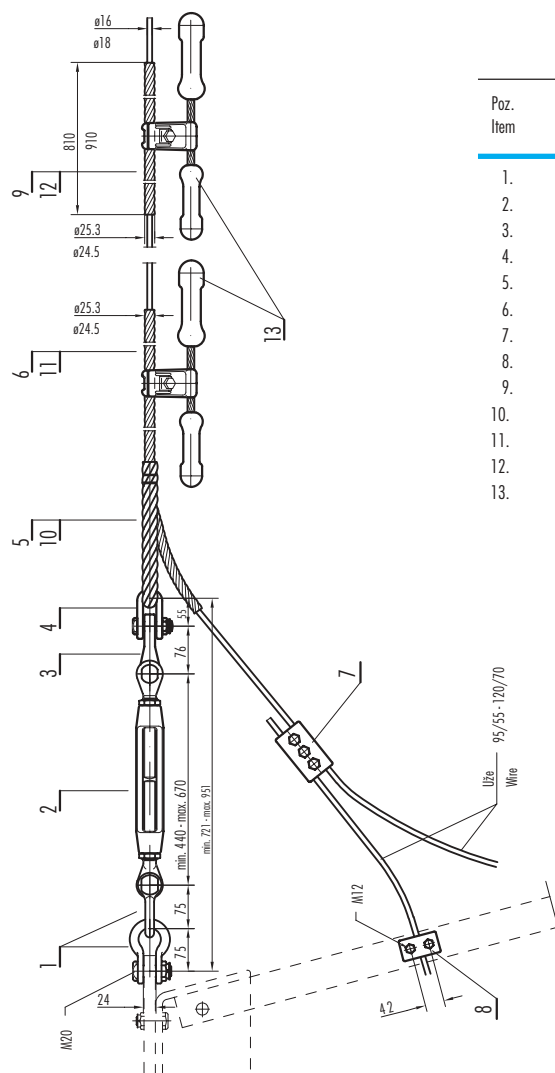
Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	27.10.10	4	0.95
2.	25.77.066	2	4.10
3.	22.33.80.20	2	0.75
4.	16.85.50	2	1.30
5.	43.62.124	2	3.50
6.	43.62.123	2	3.20
7.	77.36.13	3	0.72
8.	73.13.22	2	0.27
9.	62.15.89.01	2	0.46
10.	44.70.20.40	2	0.44
11.	43.62.114B	2	4.25
12.	43.62.113A	2	3.40
13.	43.62.22A	2	0.50
14.	44.70.20.60	2	0.44
15.	66.30.90.7	4	3.20

ZAVJEŠENJE OPTIČKOG KABELA
NA ZATEZNOJ STUPI

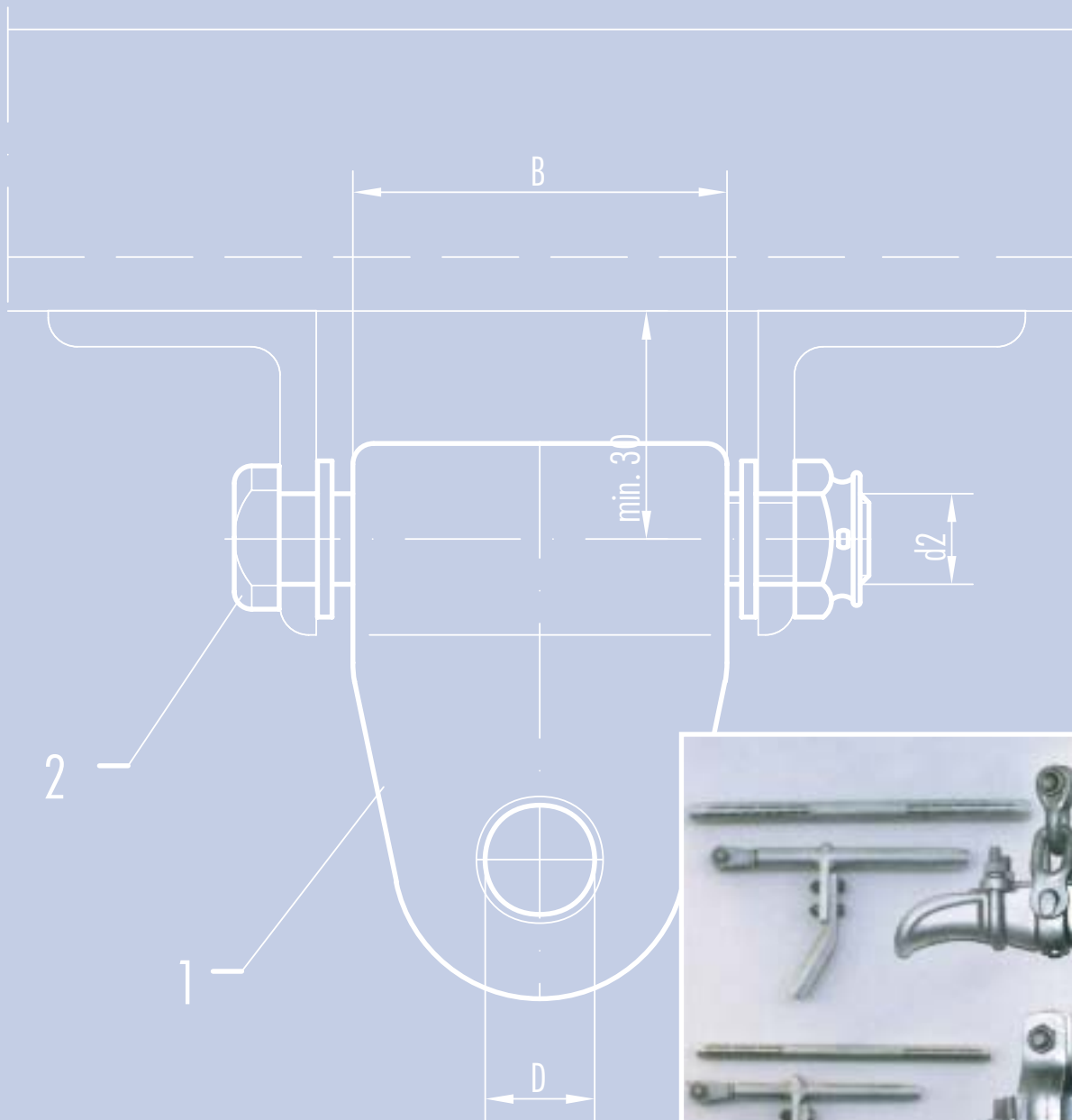
Minimalna prekidna sila

95% prekidne sile zaštitnog užetaTENSION OPGW
ATTACHMENT TO TOWER

Minimum breaking strength

95% of U.T.S. of earth wire

Poz. Item	Kat. br. Cat. No.	Kom. Pcs.	Masa Mass kg
1.	27.10.10	2	0.95
2.	25.77.066	1	4.10
3.	22.33.80.20	1	0.75
4.	16.85.50	1	1.30
5.	43.62.124	1	3.50
6.	43.62.123	1	3.20
7.	77.36.13	1	0.72
8.	73.13.22	1	0.27
9.	62.15.89.01	1	0.46
10.	43.62.114B	1	4.25
11.	43.62.113A	1	3.40
12.	43.62.22A	1	0.50
13.	66.30.90.7	2	3.20



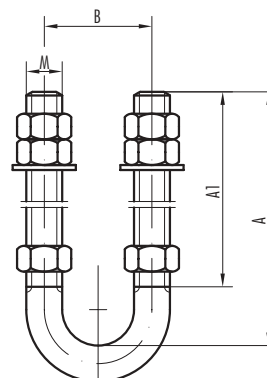
9

DIJELOVI OVJESNE OPREME

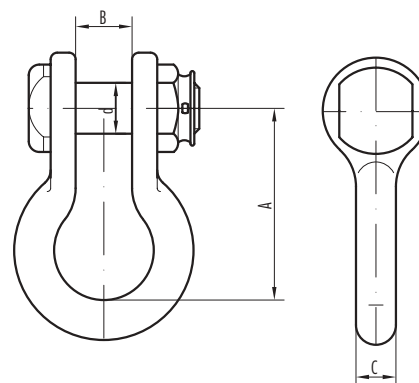
SUSPENSION EQUIPMENT COMPONENTS

U - STREMEI

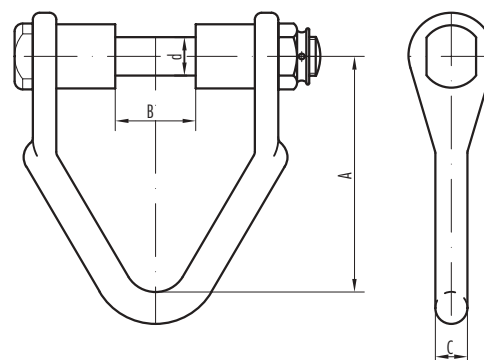
Kat. broj Cat. No.	Dimenzije Dimensions				Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	B	A	A1	M		
35.14.70	70	96	60	14	80	0.45
35.16.55	60	184	150	16	120	0.95
35.16.56	60	264	228	16	120	1.15
35.16.60	65	204	160	16	120	0.95
35.16.75	80	209	153	16	120	1.00
35.18.75	80	212	160	18	140	1.16
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

U - BOLTS**ŠKOPCI**

Kat. broj Cat. No.	Dimenzije 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	0.65
27.10.10	75	24	18	20	160	0.95
27.10.10X	75	24	18	20	210	0.95
27.18.10	100	24	24	22	320	2.05

SHACKLES**STREMEI**

Kat. broj Cat. No.	Dimenzije 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

SHACKLES

STREMENI

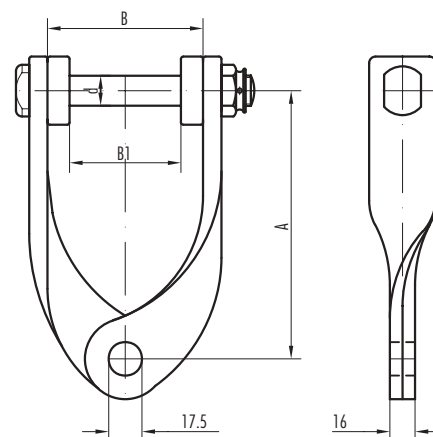
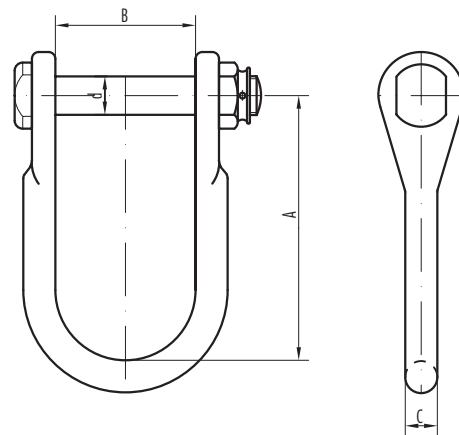
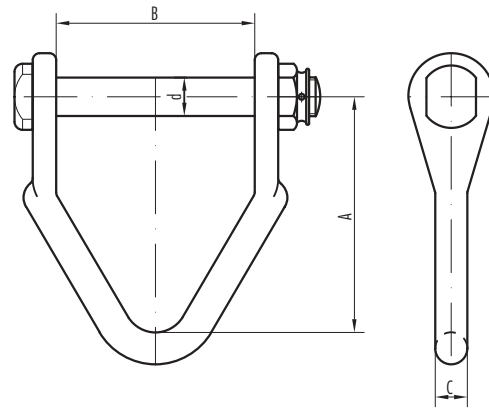
Kat. broj Cat. No.	Dimenzije Dimensions		[mm]		Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	B	C	d		
27.53.10	95	82	14	16	80	0.70

Kat. broj Cat. No.	Dimenzije Dimensions		[mm]		Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	B	C	d		
27.60.10	140	106	16	16	120	1.16

- ZA BETONSKE STUPOVE
- FOR CONCRETE POOLS

Kat. broj Cat. No.	Dimenzije Dimensions		[mm]		Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	B	B1	d		
43.27.59	260	128	112	20	80	2.25

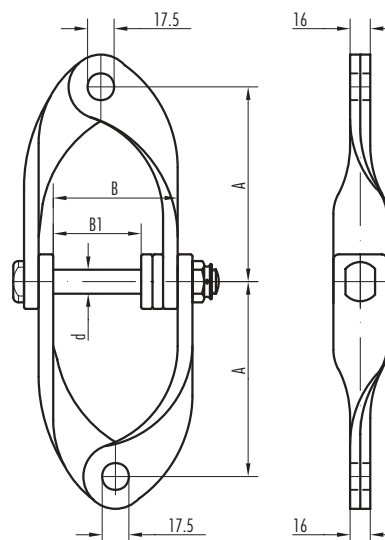
SHACKLES



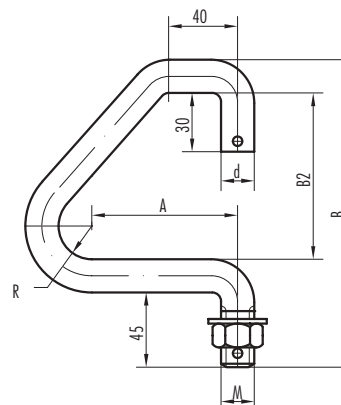
STREMENI

- ZA BETONSKE STUPOVE
- FOR CONCRETE POOLS

Kat. broj Cat. No.	Dimenzije Dimensions				Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	B	B1	d		
43.27.60	260	128	112	20	80	3.90

SHACKLES**D-STREMENI**

Kat. broj Cat. No.	Dimenzije Dimensions					Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	B	B2	d/M	R		
35.16.91	90	150	90	16	15	120	0.65
35.18.91	90	150	70	18	12	120	0.75

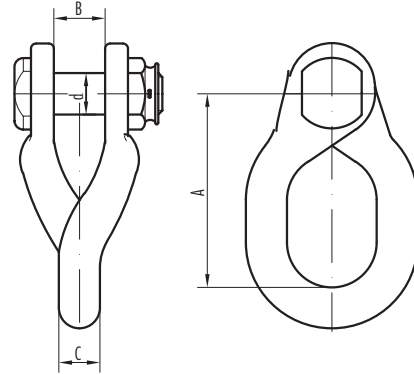
D-BOLTS

SUSPENSION AND JOINTING EQUIPMENT COMPONENTS

ŠKOPCI 90°

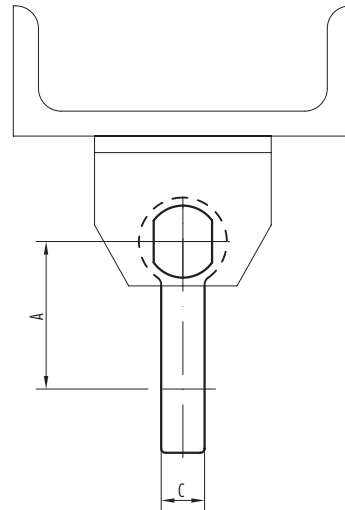
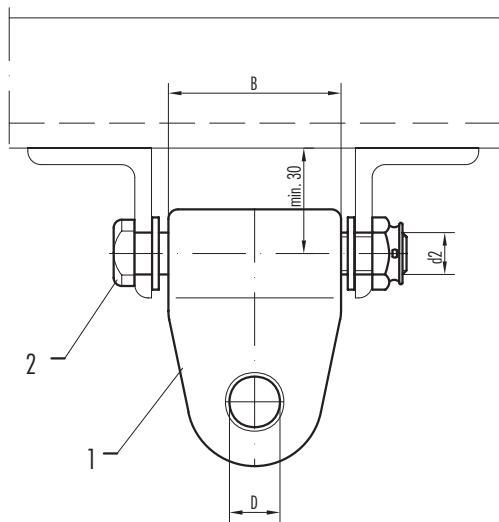
SHACKLES 90°

Kat. broj Cat. No.	Dimenzije Dimensions [mm]				Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	B	C	d		
27.41.20	70	14	12	12	70	0.48
27.30.10	90	24	16	16	120	0.70
27.32.10	90	24	20	20	160	1.10



ZASTAVICE

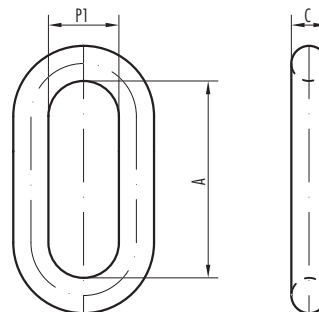
HINGES



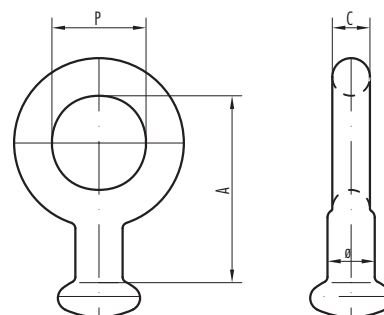
Kataloški broj Catalogue number		Dimenzije Dimensions [mm]					Min. prekidna sila Min. breaking strength kN	Masa Mass kg
1	2	B	A	C	D	d2		
68.55.11	33.20.105.50	55	75	22	21.5	20	120	0.92
68.55.21	33.20.105.50	55	75	22	17.5	20	120	0.95
68.70.11	33.20.120.50	70	80	22	21.5	20	160	1.88
69.70.85.21	33.20.120.50	70	85	16	17.5	20	120	1.30
68.70.21	33.20.120.50	70	85	22	17.5	20	120	1.90
68.90.11	33.24.155.50	90	80	22	23.5	24	320	2.30
68.110.11	33.24.175.50	110	80	22	23.5	24	320	2.90
68.110.21	33.27.190.50	110	70	22	28.5	27	320	3.16

KARIKE**EYES**

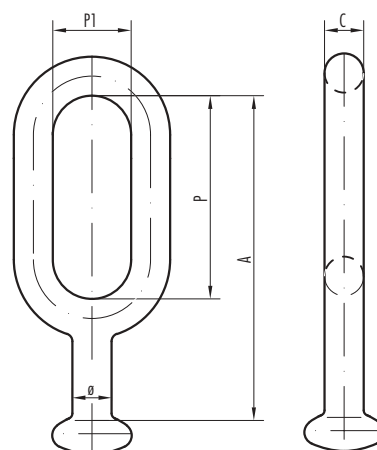
Kat. broj Cat. No.	Dimenzije Dimensions			Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	C	P1		
21.06.10	50	12	25	80	0.14
21.23.10	70	16	30	140	0.40
21.35.10	80	18	30	200	0.53
21.49.10	80	22	30	280	0.81
21.68.10	110	28	40	480	1.70

**KARIKE S BATIĆEM****BALL EYES**

Kat. broj Cat. No.	Dimenzije Dimensions					Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	C	P	ø	I.E.C. Class		
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

**KARIKE S BATIĆEM****BALL EYES**

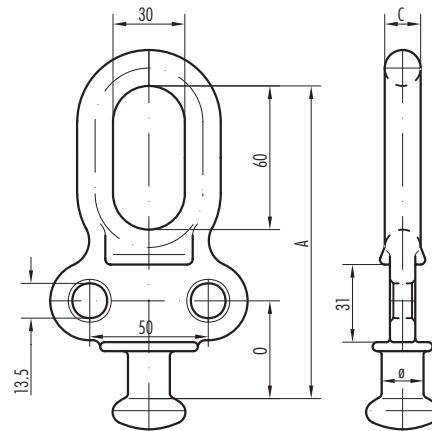
Kat. broj Cat. No.	Dimenzije Dimensions						Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	C	P	P1	ø	I.E.C. Class		
21.04.10	71	12	45	22	11	11	40	0.18
21.56.10	88	13	50	25	16	16	70	0.23
21.25.10	100	16	60	30	16	16	120	0.45
21.13.10	117	16	80	30	16	16	120	0.50
21.58.10	102	20	60	30	20	20	160	0.76



KARIKE S BATIĆEM

BALL EYES

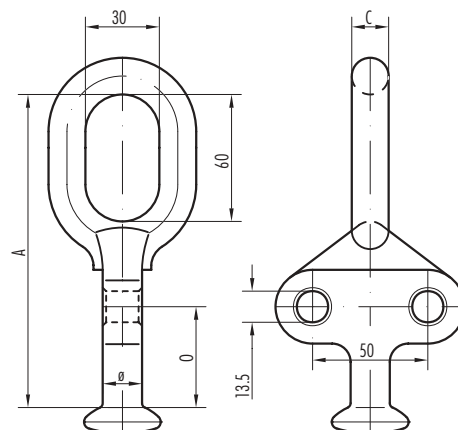
Kat. broj Cat. No.	Dimenzije Dimensions				I.E.C. Class	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	C	O	ø			
21.37.50	134	16	44	16	16	120	0.68
21.77.10	142	18	50	21	20	160	0.93



KARIKE S BATIĆEM

BALL EYES

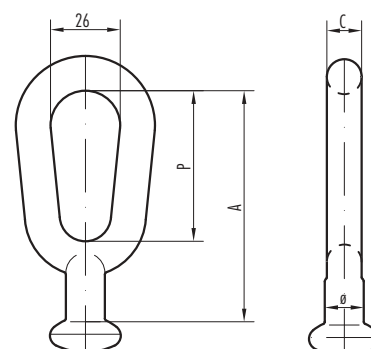
Kat. broj Cat. No.	Dimenzije Dimensions				I.E.C. Class	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	C	O	ø			
21.22.50	134	16	44	16	16	120	0.70



KARIKE S BATIĆEM

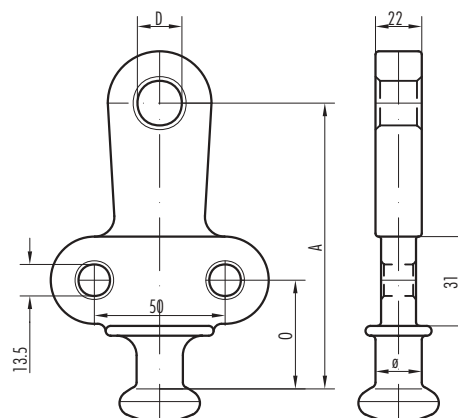
BALL EYES

Kat. broj Cat. No.	Dimenzije Dimensions				I.E.C. Class	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	C	P	ø			
21.24.10	84	15	50	16	16	120	0.36

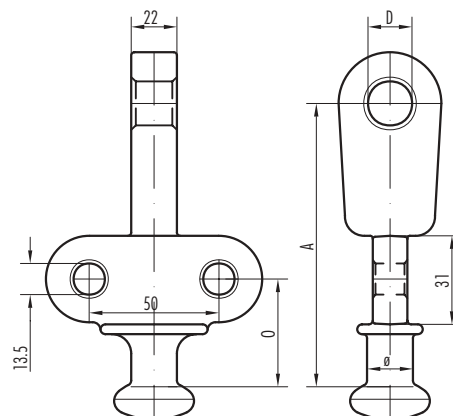


OČKE S BATIĆEM**BALL TONGUES**

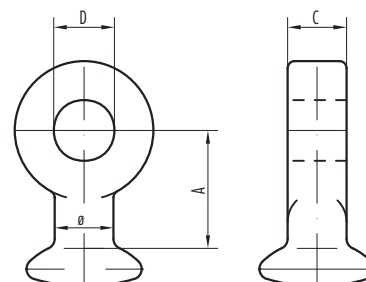
Kat. broj Cat. No.	Dimenzije Dimensions		[mm]		I.E.C. Class	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	D	O	ø			
23.56.10	114	21.5	44	16	16	120	0.75
23.56.20	114	17.5	44	16	16	120	0.75
23.59.10	132	23.5	49	20	20	160	1.20
23.59.20	132	21.5	49	20	20	160	1.30

**OČKE S BATIĆEM 90°****BALL TONGUES 90°**

Kat. broj Cat. No.	Dimenzije Dimensions		[mm]		I.E.C. Class	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	D	O	ø			
23.57.10	114	21.5	44	16	16	120	0.65
23.57.20	114	17.5	44	16	16	120	0.65
23.58.30	120	21.5	57	20	20	160	1.20

**OČKE S BATIĆEM****BALL TONGUES**

Kat. broj Cat. No.	Dimenzije Dimensions		[mm]		I.E.C. Class	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	C	D	ø			
23.08.10	36	12	13.5	11	11	45	0.10
23.08.20	36	12	15.5	11	11	50	0.10
23.08.30	36	12	17.5	11	11	60	0.10
23.01.10	39	14	17.5	16	16	80	0.18
23.01.40	55	19	21.5	16	16	120	0.35
23.01.50	65	19	21.5	20	20	160	0.42

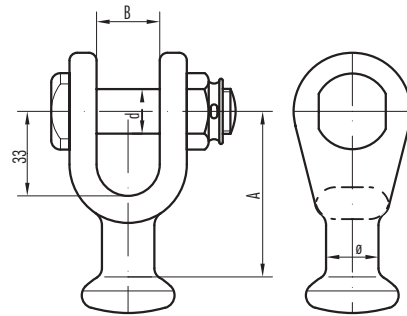


SUSPENSION AND JOINTING EQUIPMENT COMPONENTS

VILICE S BATIĆEM

BALL CLEAVES

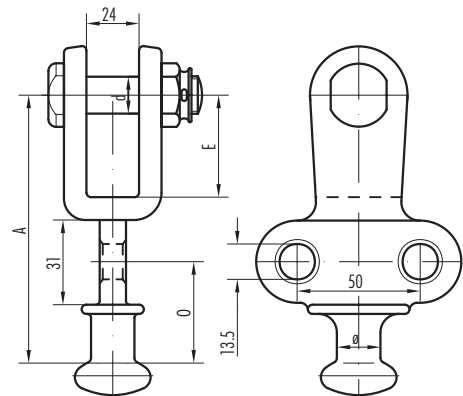
Kat. broj Cat. No.	Dimenzije Dimensions		[mm]			I.E.C. Class	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	B	d	ø				
23.31.10	51	14	12	11	11	11	40	0.28
23.31.30	57	18	16	11	11	11	45	0.35
22.23.10	67	24	16	16	16	16	120	0.65
22.23.50	67	24	20	16	16	16	120	0.75
23.48.10	72	24	20	20	20	20	160	1.00
23.48.20	72	24	16	20	20	20	120	0.90
23.39.10	82	40	20	20	20	20	160	1.25



VILICE S BATIĆEM

BALL CLEAVES

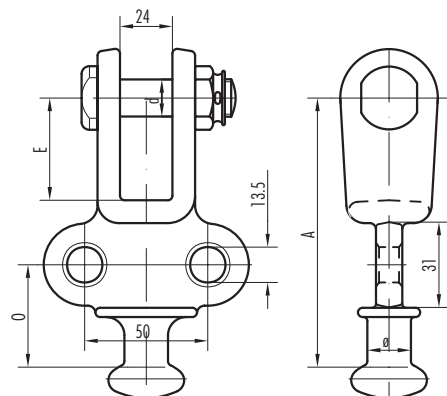
Kat. broj Cat. No.	Dimenzije Dimensions		[mm]			I.E.C. Class	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	d	E	O	ø			
22.56.20	112	16	45	44	16	16	120	0.80
22.56.10	112	20	45	44	16	16	120	0.90
22.59.20	132	20	55	50	20	20	160	1.68
22.59.10	132	22	55	50	20	20	160	1.74



VILICE S BATIĆEM

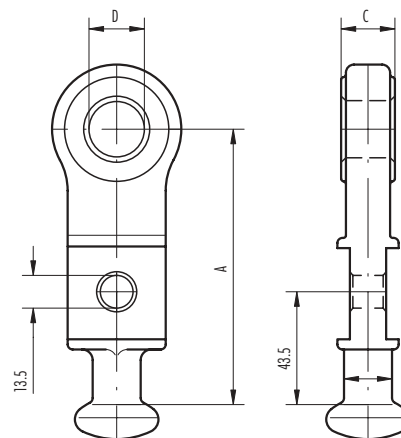
BALL CLEAVES

Kat. broj Cat. No.	Dimenzije Dimensions		[mm]			I.E.C. Class	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	d	E	O	ø			
22.57.20	114	16	45	44	16	16	120	0.80
22.57.10	114	20	45	44	16	16	120	1.00
22.58.20	132	20	50	50	20	20	160	1.75
22.58.10	132	22	50	50	20	20	160	1.77

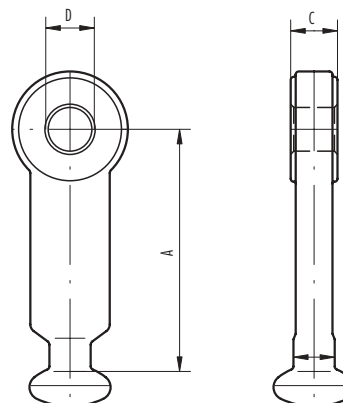


OCKA S BATICEM

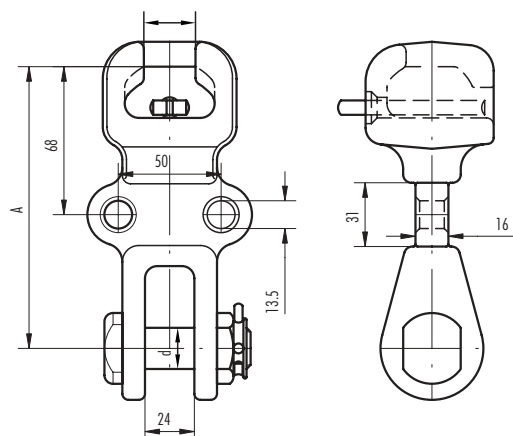
Kat. broj Cat. No.	Dimenzije Dimensions [mm]				I.E.C. Class	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	C	D				
23.35.10	99	22	17.5	16	16	120	0.48
23.29.20	129	22	17.5	16	16	120	0.67

BALL TONGUE**OCKA S BATICEM**

Kat. broj Cat. No.	Dimenzije Dimensions [mm]				I.E.C. Class	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	C	D				
23.29.90	129	22	17.5	16	16	120	0.45

BALL TONGUE**ZDJELICA S VILICOM**

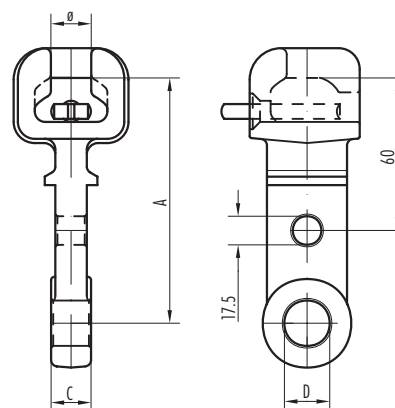
Kat. broj Cat. No.	Dimenzije Dimensions [mm]			I.E.C. Class	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	d				
24.87.80.20	130	16	19.2	16	120	1.80
24.87.80.30	130	20	19.2	16	120	1.90

SOCKET CLEVIS

ZDJELICE S OČKOM

SOCKET TONGUES

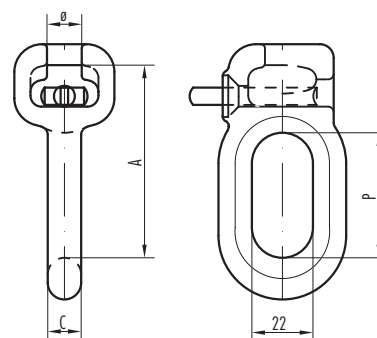
Kat. broj Cat. No.	Dimenzije Dimensions				I.E.C. Class	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	C	D	ø			
24.42.20	116	22	17.5	19.2	16	120	1.05



ZDJELICE S KARIKOM

SOCKET EYES

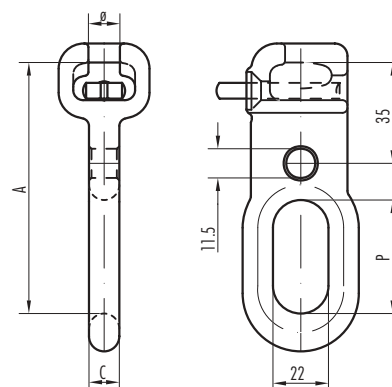
Kat. broj Cat. No.	Dimenzije Dimensions				I.E.C. Class	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	C	P	ø			
24.75.10	70	12	45	12.5	11	40	0.30
24.71.10	76	14	40	19.2	16	100	0.75



ZDJELICE S KARIKOM

SOCKET EYES

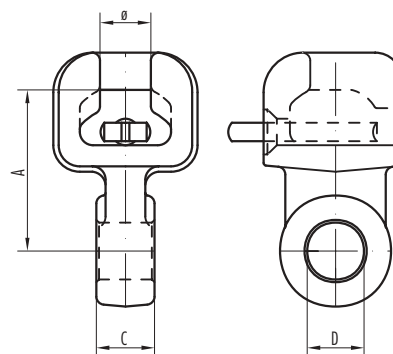
Kat. broj Cat. No.	Dimenzije Dimensions				I.E.C. Class	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	C	P	ø			
24.78.10	95	12	45	12.5	11	40	0.38



ZDJELICE S OČKOM

Kat. broj Cat. No.	Dimenzije Dimensions				I.E.C. Class	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	C	D	\emptyset			
24.31.10	110	20	18	12.5	11	50	0.70
24.03.10	58	22	17.5	19.2	16	80	0.50
24.08.20	61	22	17.5	19.2	16	120	0.80
24.08.10	61	22	21.5	19.2	16	120	0.80
24.17.10	78	22	21.5	23	20	160	1.10

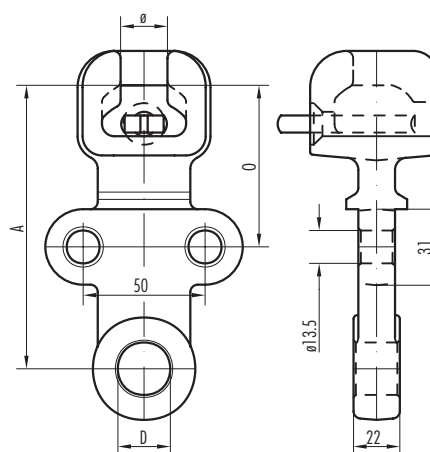
SOCKET TONGUES



ZDJELICE S OČKOM

Kat. broj Cat. No.	Dimenzije Dimensions				I.E.C. Class	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	D	O	\emptyset			
24.33.10	116	17.5	66	19.2	16	120	1.00
24.33.20	116	21.5	66	19.2	16	120	1.00
24.34.20	118	17.5	68	23	20	160	1.45
24.34.10	118	21.5	68	23	20	160	1.45
24.34.30	118	23.5	68	23	20	160	1.45

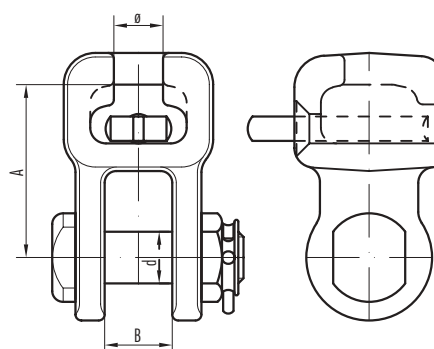
SOCKET TONGUES



ZDJELICE S VILICOM

Kat. broj Cat. No.	Dimenzije Dimensions				I.E.C. Class	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	B	d	\emptyset			
24.20.10	40	15	12	12.5	11	40	0.55
24.60.10	71	24	16	19.2	16	120	0.95
24.60.30	71	24	20	19.2	16	120	1.00
24.80.20	73	24	16	23	20	120	1.28
24.80.10	73	24	20	23	20	120	1.33
24.79.20	108	24	16	23	20	120	1.63
24.79.10	108	24	20	23	20	160	1.68
24.79.40	108	24	22	23	20	210	1.71
24.62.10	108	40	20	23	20	160	1.85

SOCKET CLEAVISES



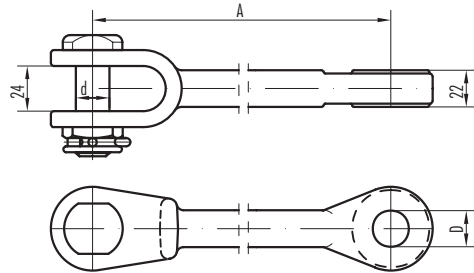
PRODUŽNICI

Vilica - očka

Kat. broj Cat. No.	Dimenzije Dimensions			Min. prekidna sila Min. breaking strength	Masa Mass
	A	D	d		
26.26.30	200	17.5	16	120	0.90
26.26.30.20	200	21.5	16	120	0.90
26.41.20	200	21.5	20	160	1.90
26.41.30	300	21.5	20	160	2.20
26.42.30	300	23.5	22	320	3.30

EXTENSION LINKS

Clevis - Tongue



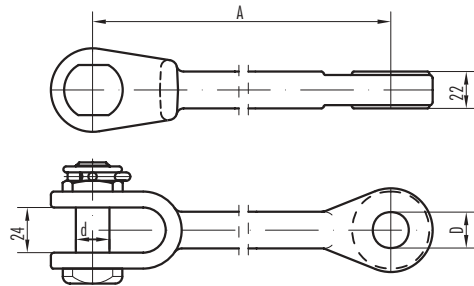
PRODUŽNICI

Vilica - očka

Kat. broj Cat. No.	Dimenzije Dimensions			Min. prekidna sila Min. breaking strength	Masa Mass
	A	D	d		
26.36.30	200	17.5	16	120	0.90
26.36.70	200	17.5	20	120	1.05
26.36.30A	200	21.5	16	120	0.90
26.36.70A	200	21.5	20	120	1.05
43.26.50A	200	21.5	20	200	1.40

EXTENSION LINKS

Clevis - Tongue



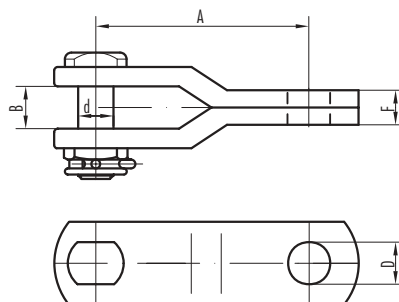
PRODUŽNICI

Vilica - očka

Kat. broj Cat. No.	Dimenzije Dimensions					Min. prekidna sila Min. breaking strength	Masa Mass
	A	B	D	d	F		
43.26.05.30	80	14	17.5	12	14	80	0.70
43.26.350A	130	24	28.5	27	20	480	3.50

EXTENSION LINKS

Clevis - Tongue



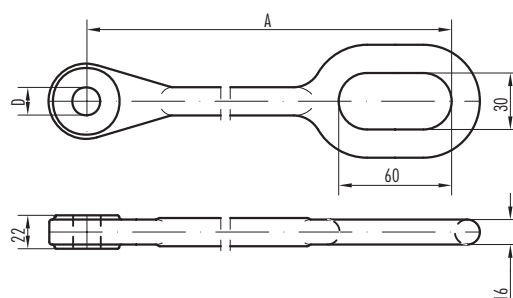
PRODUŽNICI

Karika - očka

Kat. broj Cat. No.	Dimenzije Dimensions		[mm]	Min. prekidna sila Min. breaking strength	Masa Mass
	A	D			
26.47.20.20	200	17.5		120	0.80
26.47.20	200	21.5		120	0.80
26.47.30.20	320	17.5		120	0.90
26.47.30	320	21.5		120	0.90

EXTENSION LINKS

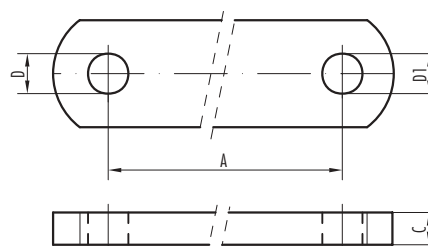
Eye - tongue



PRODUŽNICI

Kat. broj Cat. No.	Dimenzije Dimensions				[mm]	Min. prekidna sila Min. breaking strength	Masa Mass
	A	C	D	D1			
43.26.35B	50	22	17.5	17.5		60	0.71
26.61.30	80	12	17.5	15.5		90	0.36
26.66.30.20	300	22	21.5	21.5		160	2.90
26.67.30	300	22	23.5	23.5		160	2.85
26.66.60	600	22	21.5	21.5		160	5.46
26.67.60	600	22	23.5	23.5		160	5.45

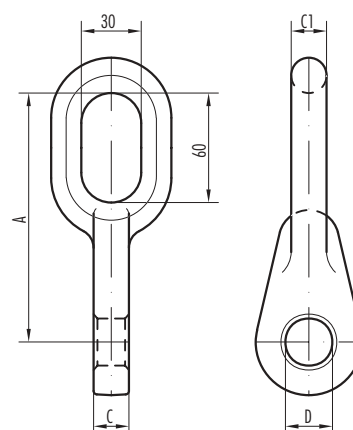
EXTENSION LINKS



KARIKE S OČKOM

Kat. broj Cat. No.	Dimenzije Dimensions				[mm]	Min. prekidna sila Min. breaking strength	Masa Mass
	A	C	C1	D			
21.33.10	115	16	16	17.5		120	0.60
21.33.20	115	16	16	21.5		120	0.57
21.33.40	115	22	16	17.5		120	0.63
21.33.60	115	22	16	21.5		120	0.60
21.45.20	130	22	20	17.5		120	1.06
21.45.30	130	22	20	21.5		230	1.06

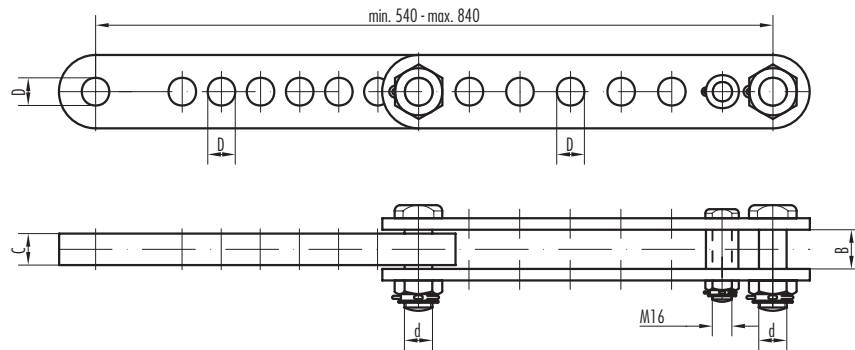
EYE TONGUES



REGULACIONI PRODUŽNICI

ADJUSTABLE EXTENSION LINKS

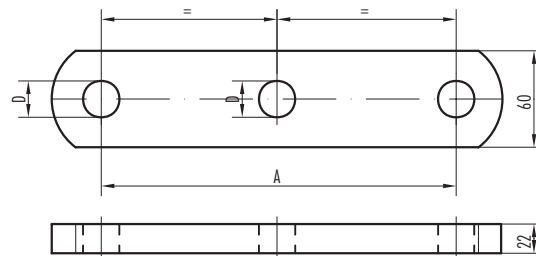
Kat. broj Cat. No.	Dimenzije Dimensions				Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	B	C	D	d		
43.26.61	24	22	21.5	20	240	0.70



PRODUŽNICI

EXTENSION LINKS

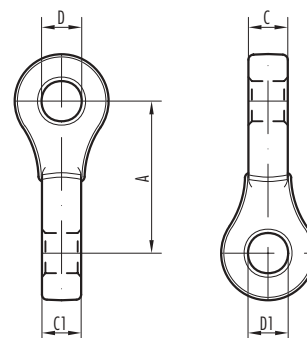
Kat. broj Cat. No.	Dimenzije Dimensions		Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	D		
43.26.65.20	200	23.5	240	2.40

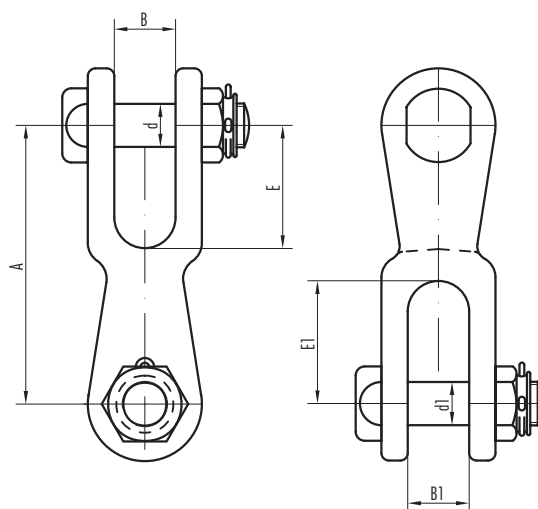


DVOSTRUKE OČKE

DOUBLE TONGUES

Kat. broj Cat. No.	Dimenzije Dimensions					Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	C	C1	D	D1		
22.33.20	76	19	22	17.5	17.5	120	0.75
22.33.80.20	76	19	22	21.5	21.5	135	0.75
22.33.40.30	76	19	19	21.5	21.5	180	0.60
22.33.40.40	78	19	19	21.5	21.5	200	0.60

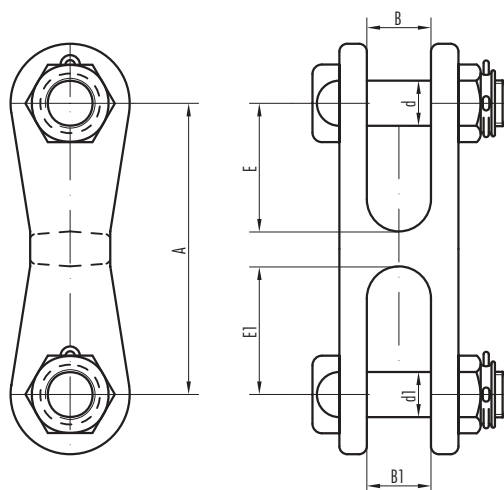


VILICE S VILICOM 90°
DOUBLE CLEVISES 90°


Kataloški br. Catalogue No.	Dimenzije Dimensions							Min. prekidna sila Min. breaking strength [kN]	Masa Mass [kg]
	A	B	B1	d	d1	E	E1		
22.99.10	100	24	24	20	20	40	45	200	1,80
22.99.20	100	24	24	22	20	40	45	200	1,80
22.99.30	100	24	24	20	16	40	45	120	1,70
22.99.40	100	24	24	16	16	40	45	120	1,50
22.93.10	120	24	24	22	22	50	55	320	2,60
22.93.20	120	24	24	22	20	50	55	160	2,40
22.93.30	120	24	24	22	16	50	55	120	2,21
22.93.40	120	24	24	20	20	50	55	160	2,30
22.93.60	120	24	24	16	16	50	55	120	2,10
22.93.70	120	24	26	22	24	50	55	320	2,20
22.96.10	130	42	24	36	27	56	62	480	5,20
22.96.20	130	32	24	22	22	56	62	320	4,90
22.96.30	130	36	30	30	32	60	55	300	4,95
22.96.50	130	42	24	36	22	56	62	320	4,40

VILICE S VILICOM RAVNA

DOUBLE CLEVISES

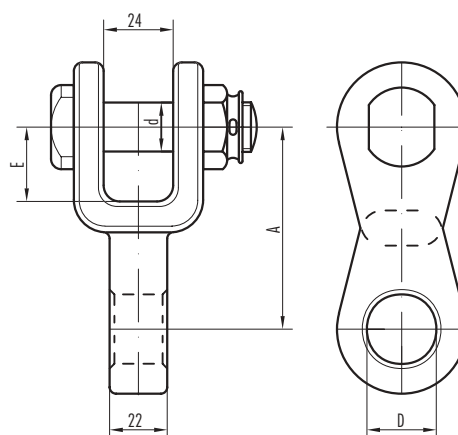


Kataloški br. Catalogue No.	Dimenzije Dimensions						Min. prekidna sila Min. breaking strength [kN]	Masa Mass [kg]	
	A	B	B1	d	d1	E			E1
22.84.10	100	24	24	20	20	40	40	200	1,70
22.84.20	100	24	24	22	20	40	40	200	1,75
22.84.30	100	24	24	16	20	40	40	120	2,03
22.84.40	100	24	24	16	16	40	40	120	1,45
22.92.10	120	24	24	22	22	50	50	320	2,50
22.92.20	120	24	24	22	20	50	50	160	2,40
22.92.30	120	24	24	22	16	50	50	120	2,30
22.92.40	120	24	24	20	20	50	50	160	2,32
22.92.50	120	24	24	20	16	50	50	120	2,20
22.95.10	130	42	24	36	27	56	50	480	5,10
22.95.30	130	42	24	36	22	56	50	320	4,80
22.95.50	130	42	30	36	36	56	56	480	7,10
43.22.28	130	24	27	24	24	50	50	360	4,70
43.22.35	130	32	32	30	30	50	50	400	9,00

VILICE S OČKOM

CLEVIS TONGUES

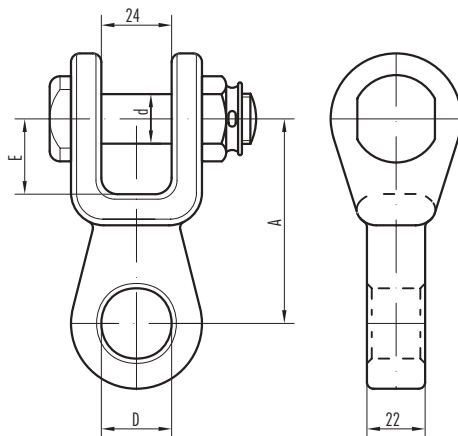
Kat. broj Cat. No.	Dimenzije Dimensions				Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	D	d	E		
22.09.10	65	17.5	16	30	120	0.60
22.09.50	65	21.5	16	30	120	0.57
22.42.10	85	21.5	22	47	120	1.40



VILICE S OČKOM 90°

CLEVIS TONGUES 90°

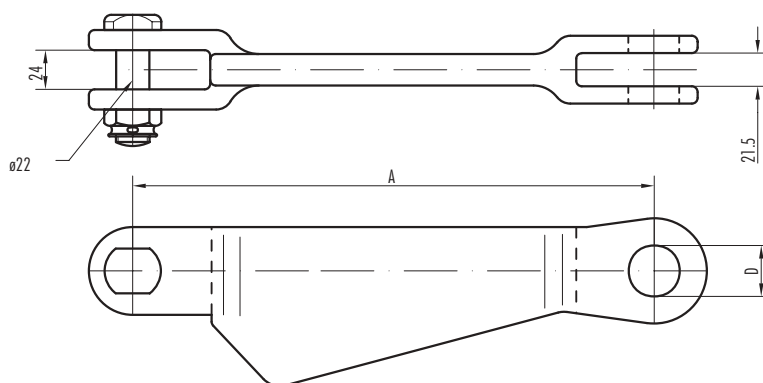
Kat. broj Cat. No.	Dimenzije Dimensions				Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	D	d	E		
22.08.20	65	15.5	16	30	60	0.57
22.45.10	65	17.5	16	30	120	0.60
22.45.20	65	21.5	20	30	120	0.70
22.45.50	65	21.5	16	30	120	0.65
43.22.09	100	21.5	20	40	200	1.40
43.22.09.50	100	17.5	20	40	160	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
43.22.24	120	23.5	22	50	320	1.90
43.22.24.6A	130	28.5	27	50	480	2.80



VILICE S VILICOM

DOUBLE CLEVISES

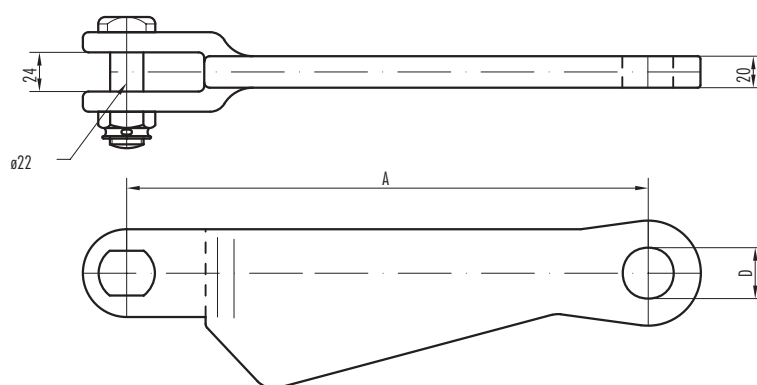
Kat. broj Cat. No.	Dimenzije Dimensions		Min. prekidna sila Min. breaking strength	Masa Mass
	A	D		
22.94.10	367	37.5	300	6.60



VILICE S OČKOM

CLEVIS TONGUES

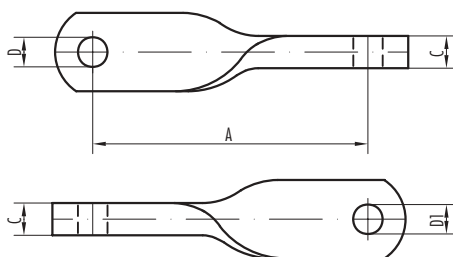
Kat. broj Cat. No.	Dimenzije Dimensions		Min. prekidna sila Min. breaking strength	Masa Mass
	A	D		
22.94.50	367	37.5	300	6.60



PRODUŽNICI

EXTENSION LINKS

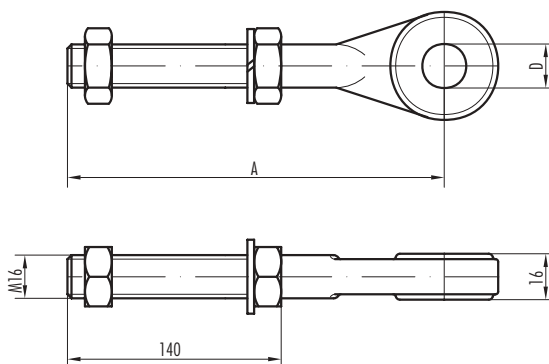
Kat. broj Cat. No.	Dimenzije Dimensions				Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	C	D	D1		
26.71.30	100	12	17.5	15.5	70	0.45
26.71.30.20	100	16	17.5	17.5	120	0.56



VIJCI S OČKOM

BOLT TONGUES

Kat. broj Cat. No.	Dimenzije Dimensions		Masa Mass kg
	A	D	
43.25.09.2	185	17.5	0.50



SUSPENSION AND JOINTING EQUIPMENT COMPONENTS

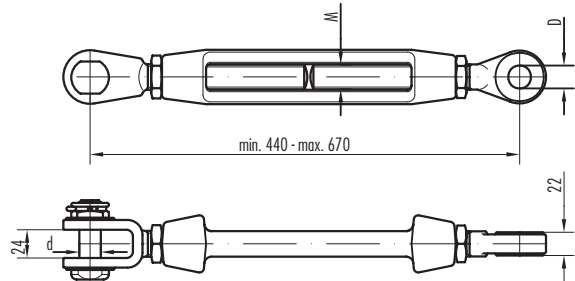
ZATEZAČI

Vilica - očka

Kat. broj Cat. No.	Dimenzije Dimensions			Min. prekid. sila Min. break. strength	Masa Mass
	D	d	M		
25.47.055	17.5	16	22	135	3.15
25.47.056	17.5	20	22	135	3.20
25.47.066	21.5	20	22	135	3.68
25.47.067	21.5	22	22	135	4.00
25.77.055	17.5	16	24	160	4.00
25.77.056	17.5	20	24	160	4.10
25.77.065	21.5	16	24	160	3.84
25.77.066	21.5	20	24	160	4.10

TURNBUCKLES

Clevis - Tongue



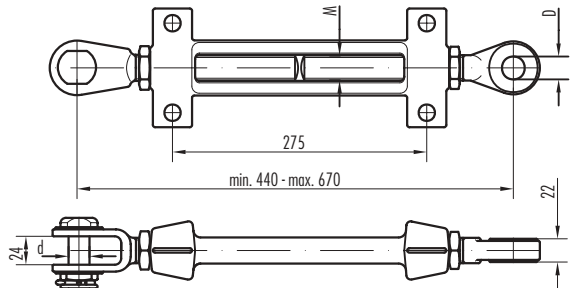
ZATEZAČI

Vilica - očka

	Dimenzije Dimensions			Min. prekid. sila Min. break. strength	
	D	d	M		
25.57.066	21.5	20	24	160	4.30

TURNBUCKLES

Clevis - Tongue



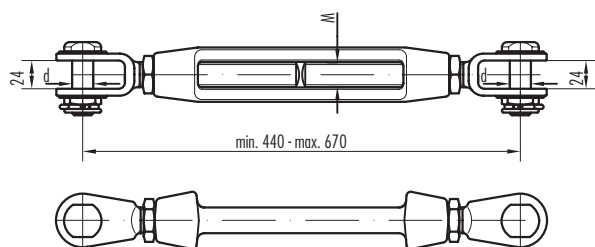
ZATEZAČI

Vilica - vilica

Kat. broj Cat. No.	Dimenzije Dimensions		Min. prekid. sila Min. break. strength	Masa Mass
	d	M		
25.45.066	20	22	120	3.75
25.75.066	20	24	160	4.50
25.75.066	22	24	160	4.50

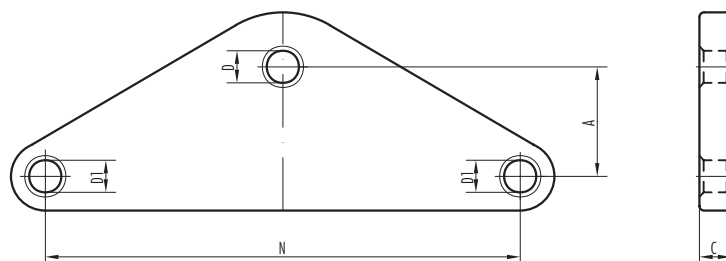
TURNBUCKLES

Clevis - Clevis

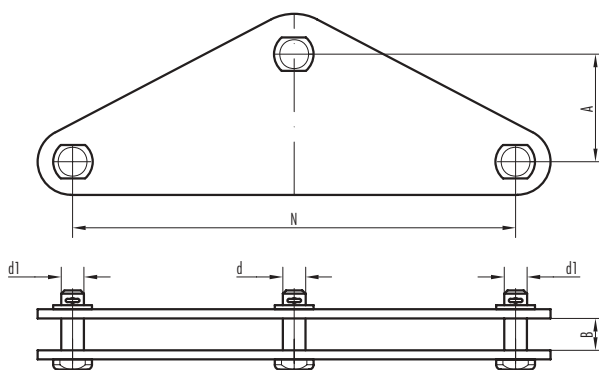


ODSTOJNICI

YOKES



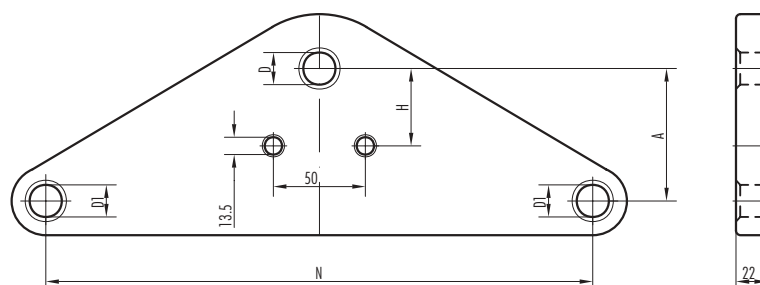
Kataloški br. Catalogue No.	Dimenzije Dimensions					Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	C	D	D1	N		
29.54.10A	45	12	13.5	13.5	250	80	1.50
29.13.80	50	22	17.5	17.5	400	120	5.70



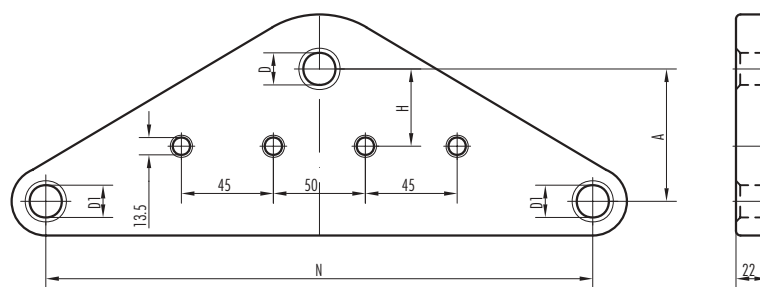
Kataloški br. Catalogue No.	Dimenzije Dimensions					Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	B	d	d1	N		
29.52.20	42	18	14	14	250	50	1.85
29.52.30	42	22	16	16	250	120	3.15

ODSTOJNICI

YOKES



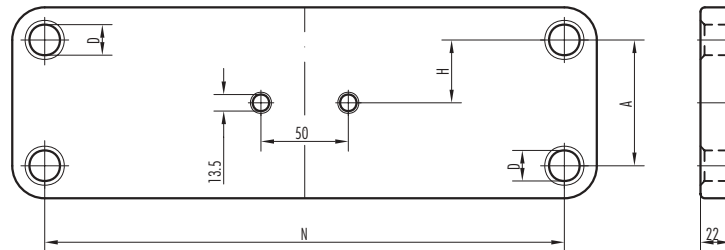
Kataloški br. Catalogue No.	Dimenzije Dimensions [mm]					Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	D	D1	H	N		
29.53.90	50	17.5	17.5	40	330	120	4.80
29.55.90	60	21.5	17.5	43	330	200	5.10
29.55.90.3	60	21.5	21.5	43	330	210	5.10
43.29.89.60	60	21.5	17.5	50	400	160	5.85
29.81.10A	115	28.5	23.5	98	400	480	9.55
29.81.10B	110	28.5	23.5	93	400	320	9.25
29.13.70	95	21.5	21.5	78	400	240	7.35



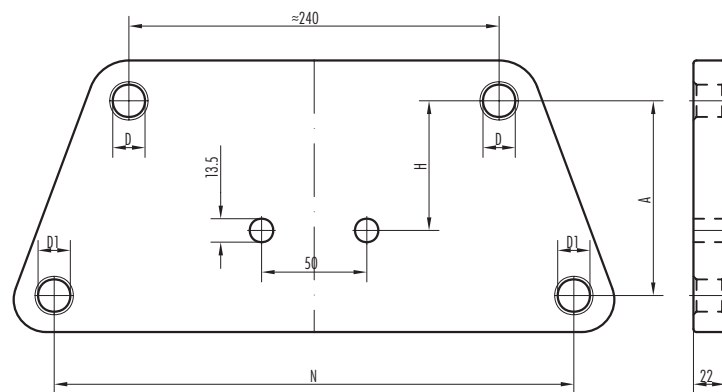
Kataloški br. Catalogue No.	Dimenzije Dimensions [mm]					Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	D	D1	H	N		
29.55.90.2	60	21.5	17.5	43	330	200	5.10
29.82.10A	95	23.5	21.5	78	400	320	8.40

ODSTOJNICI

YOKES



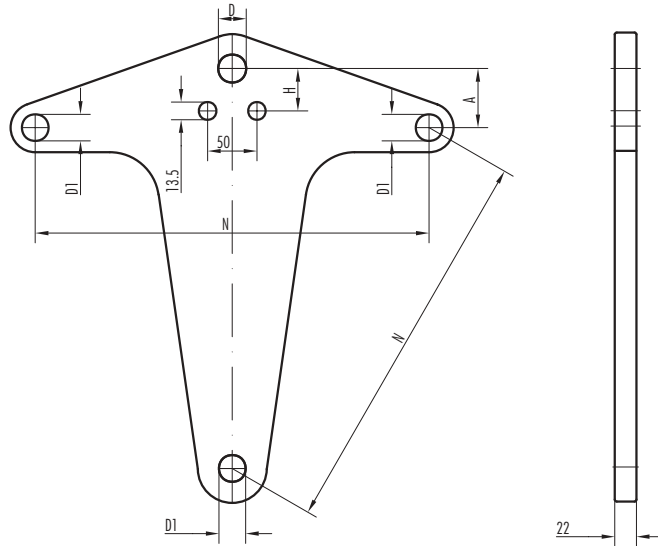
Kataloški br. Catalogue No.	Dimenzije Dimensions				Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	D	H	N		
29.96.10A	64	21.5	32	400	320	8.80



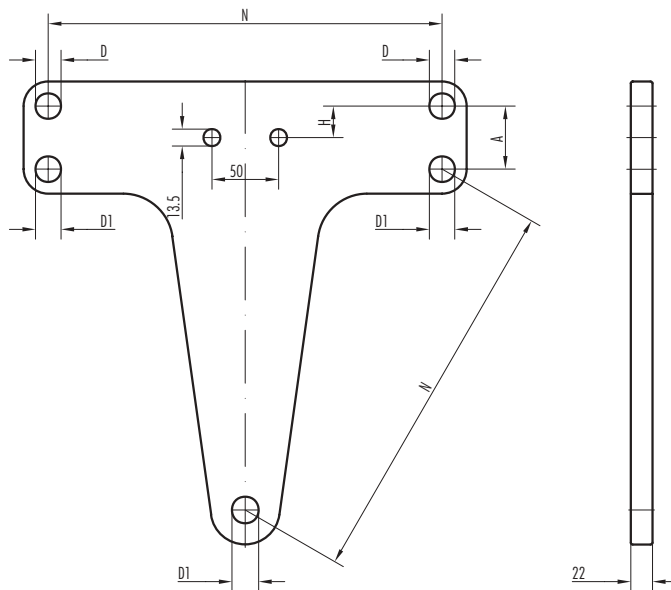
Kataloški br. Catalogue No.	Dimenzije Dimensions					Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	D	D1	H	N		
29.10.20L	155	21.5	17.5	105	400	240	13.30

ODSTOJNICI

YOKES

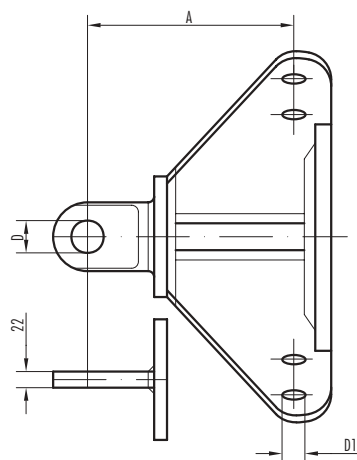


Kataloški br. Catalogue No.	Dimenzije Dimensions					Min. prekidna sila Min. breaking strength	Masa Mass
	A	D	D1	H	N		
43.29.42A	60	21.5	17.5	43	400	160	10.52

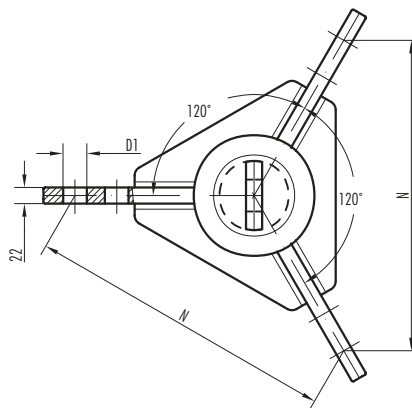


Kataloški br. Catalogue No.	Dimenzije Dimensions					Min. prekidna sila Min. breaking strength	Masa Mass
	A	D	D1	H	N		
43.29.43	64	21.5	21.5	32	400	320	14.90

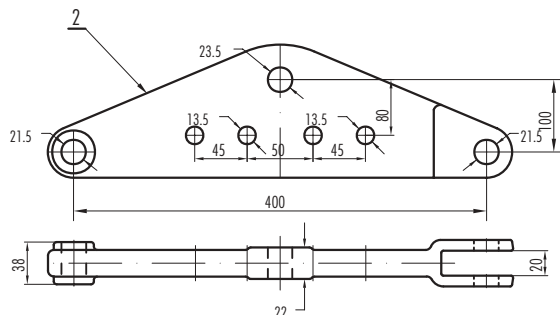
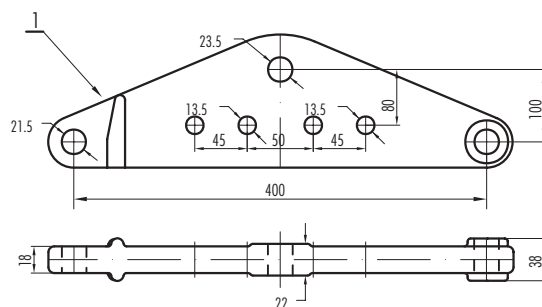
ODSTOJNICI



YOKES



Kataloški br. Catalogue No.	Dimenzije Dimensions				Min. prekidna sila Min. breaking strength kN	Masa Mass kg
	A	D	D1	N		
43.29.44	190	23.5	21.5	400	320	27.50



Poz. Item	Kataloški br. Catalogue No.	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
1.	29.86.50	320	7.20
2.	29.86.10	320	7.20

SUSPENSION AND JOINTING EQUIPMENT COMPONENTS

ZAŠTITNI ROGOVI

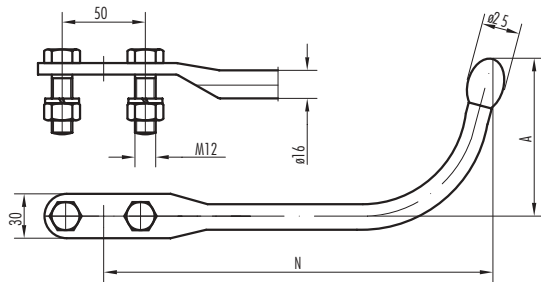
Gornji rog

Kat. broj Cat. No.	Dimenzije Dimensions	[mm]	Masa Mass
	A	N	kg
41.16.25	200	260	0.84
41.16.29	200	320	0.99

Napomena:

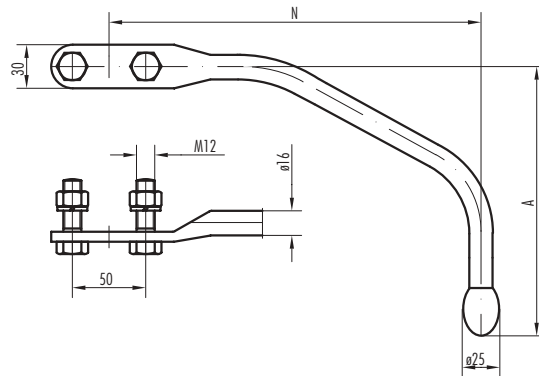
Za jednostruke nosne lance, rogovi se isporučuju s jednim vijkom

Donji rog



ARCING HORNS

Earth end



Note :

Arcing horns for single suspension strings, will be delivered with one bolt.

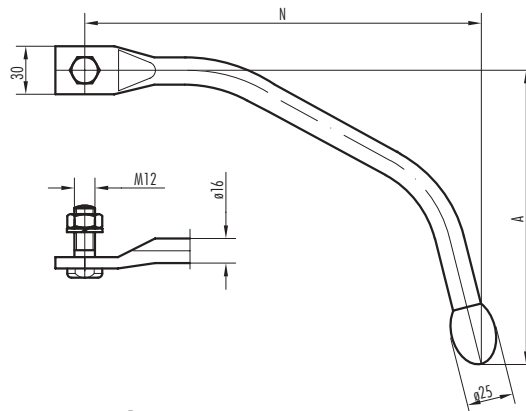
Line end

Kat. broj Cat. No.	Dimenzije Dimensions	[mm]	Masa Mass
	A	N	kg
41.16.26	105	260	0.72
41.16.36	120	320	0.82

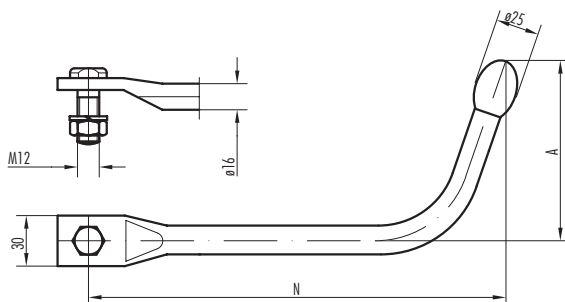
Gornji rog

Kat. broj Cat. No.	Dimenzije Dimensions	[mm]	Masa Mass
	A	N	kg
41.13.31	205	270	0.70
41.13.33	290	300	0.80

Earth end



Donji rog



Line end

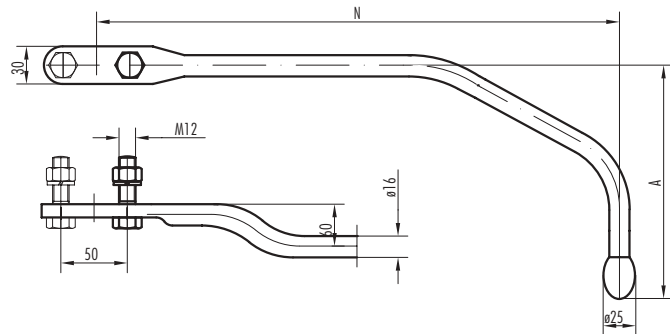
Kat. broj Cat. No.	Dimenzije Dimensions	[mm]	Masa Mass
	A	N	kg
41.13.26	120	300	0.70
41.13.32	140	290	0.70

ZAŠTITNI ROGOVI**Gornji rog**

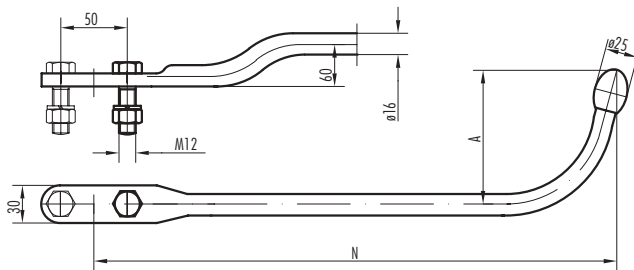
Kat. broj Cat. No.	Dimenzije Dimensions		Masa Mass
	A	N	
41.17.23	200	500	1.20
41.17.25	225	480	1.10

Napomena:

Za dvostruke nosne lance, rogovi se isporučuju s jednim vijkom

ARCING HORNS**Earth end****Note :**

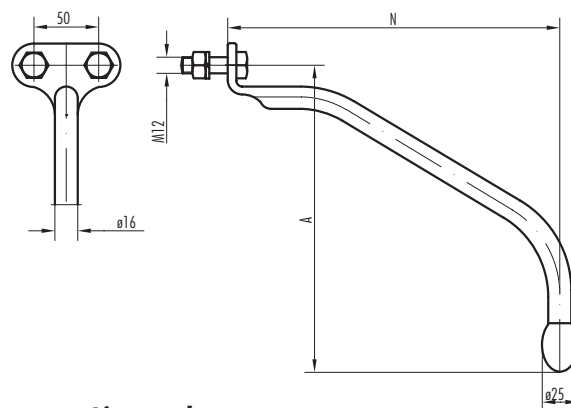
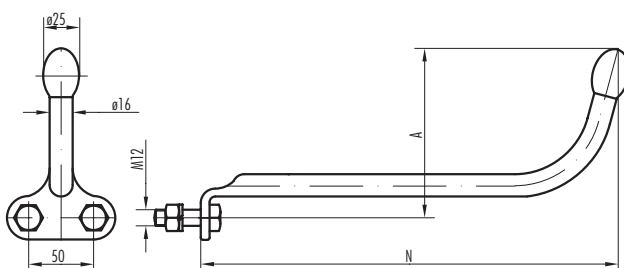
Arcing horns for double suspension strings, will be delivered with one bolt.

Donji rog**Line end**

Kat. broj Cat. No.	Dimenzije Dimensions		Masa Mass
	A	N	
41.17.22	140	500	1.12
41.17.26	160	500	1.15

Gornji rog

Kat. broj Cat. No.	Dimenzije Dimensions		Masa Mass
	A	N	
41.18.25	240	255	0.90
41.18.33	260	295	0.95

Earth end**Donji rog****Line end**

Kat. broj Cat. No.	Dimenzije Dimensions		Masa Mass
	A	N	
41.18.26	130	300	0.80
41.18.30	205	309	1.15

SUSPENSION AND JOINTING EQUIPMENT COMPONENTS

REGULACIONI ZAŠTITNI ROGOVI

ADJUSTABLE ARCING HORNS

Napomena:

Za jednostruke nosne lance rog se isporučuje s jednim vijkom.

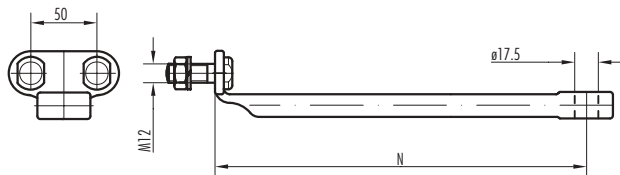
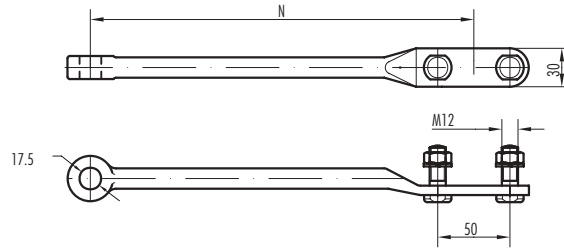
Kod narudžbe uz broj kataloga navesti i dimenziju "A" i "A3".

Note :

Arcing horn for single suspension strings will be delivered with one bolt.

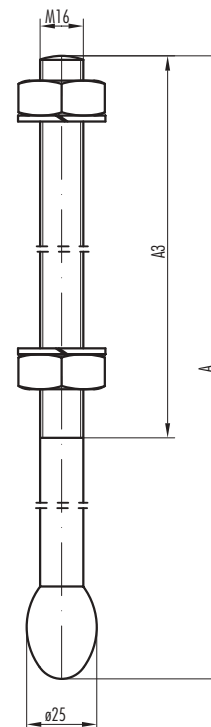
When ordering, please indicate cat. no. and dimension "A" and "A3".

Kat. broj Cat. No.	Dimenzije Dimensions	[mm]	Masa Mass
	N		kg
41.16.86	300		0.60
41.16.24	400		0.95



Kat. broj Cat. No.	Dimenzije Dimensions	[mm]	Masa Mass
	N		kg
41.18.86.11	295		0.58

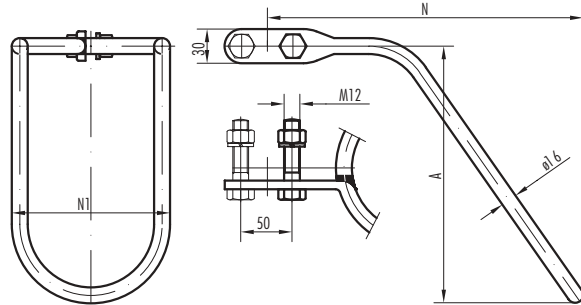
Kat. broj Cat. No.	Dimenzije Dimensions		Masa Mass
	A	A3	
			[kg]
41.10.15.2	160	110	0,45
41.10.20	200	150	0,42
41.10.22	220	170	0,45
41.10.23	230	180	0,46
41.10.25	250	200	0,48
41.10.30.2	280	230	0,53
41.10.29	290	240	0,60
41.10.30	300	220	0,54
41.10.310	310	260	0,56
41.10.35	350	250	0,60
41.10.35.3	350	310	0,60
41.10.35.4	350	300	0,58
41.10.36	360	310	0,59
41.10.35.2	370	250	0,63
41.10.385	385	335	0,62
41.10.40	400	300	0,66
41.10.40.20	400	350	0,66
41.10.40.3	400	360	0,66
41.10.45	450	350	0,73
41.10.50	500	350	0,82
41.10.55.2	530	400	0,83
41.10.55	550	400	0,86
41.10.60	600	450	0,93
41.10.65	650	500	1,40
41.10.70	700	500	1,10
41.10.75	750	550	1,16
41.10.80	800	600	1,22



ZAŠTITNI REKETI

Gornji reket

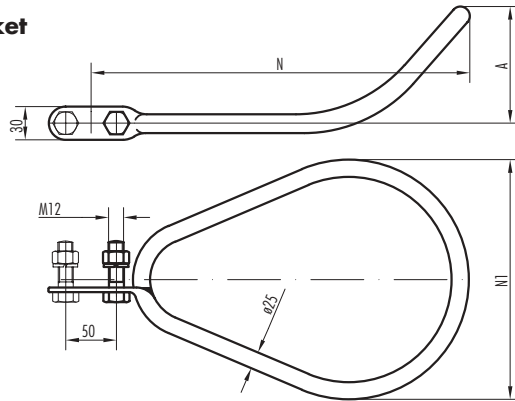
Kat. broj Cat. No.	Dimenzije Dimensions			Masa Mass
	A	N	N1	
41.21.45	265	390	156	1.90



PROTECTION RACKETS

Earth end racket

Donji reket

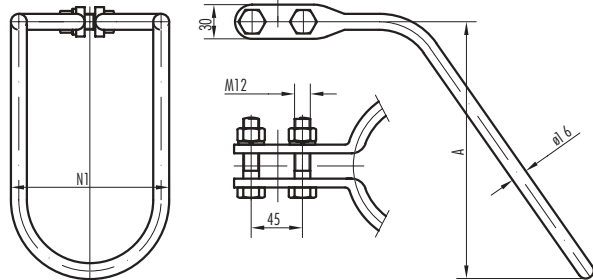


Line end racket

Kat. broj Cat. No.	Dimenzije Dimensions			Masa Mass
	A	N	N1	
41.23.45	130	400	300	4.40

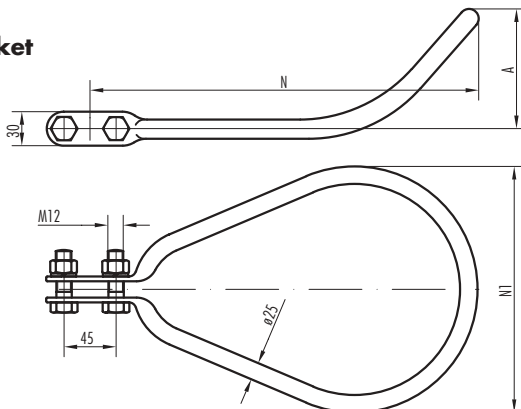
Gornji reket

Kat. broj Cat. No.	Dimenzije Dimensions			Masa Mass
	A	N	N1	
41.21.47	292	422	156	2.35
41.21.69	250	458	156	2.35



Earth end racket

Donji reket



Line end racket

Kat. broj Cat. No.	Dimenzije Dimensions			Masa Mass
	A	N	N1	
41.23.47	130	527	300	5.50

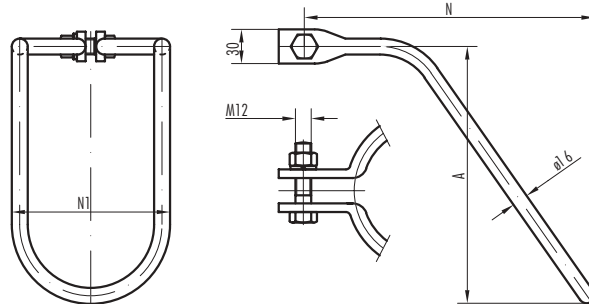
ZAŠTITNI REKETI

Gornji reket

Kat. broj Cat. No.	Dimenzije Dimensions			Masa Mass
	A	N	N1	
41.21.63	162	316	156	1.60
41.21.65	330	300	156	2.00

PROTECTION RACKETS

Earth end racket



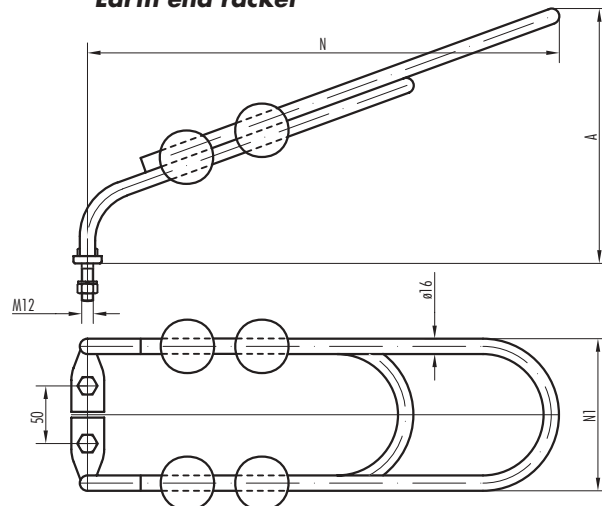
REGULACIONI ZAŠTITNI REKETI

Gornji reket

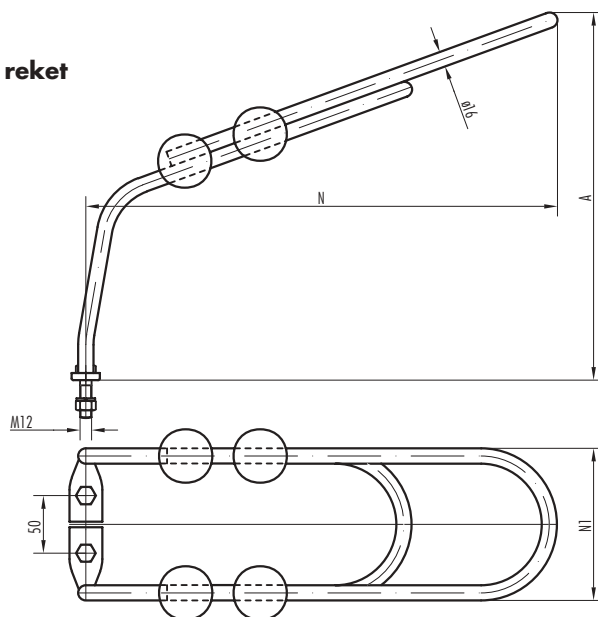
Kat. broj Cat. No.	Dimenzije Dimensions			Masa Mass
	A	N	N1	
41.22.85	507	832	156	7.80
41.22.87	597	1092	156	8.75

ADJUSTABLE PROTECTION RACKETS

Earth end racket



Gornji reket



Earth end racket

Kat. broj Cat. No.	Dimenzije Dimensions			Masa Mass
	A	N	N1	
41.22.95	747	1167	156	10.00
41.22.96	802	1492	156	11.70

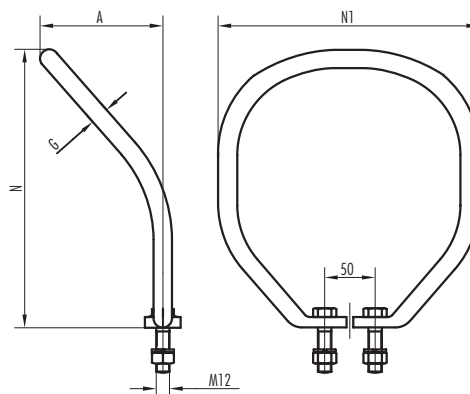
ZAŠTITNI REKETI

Gornji reket

Kat. broj Cat. No.	Dimenzije Dimensions				Masa Mass
	[mm]				
	A	G	N	N1	kg
41.24.47	120	25	450	300	4.65
41.24.63	160	20	280	300	2.40
41.24.49	215	25	420	300	4.90
41.24.65	240	16	300	300	1.90
41.24.45	260	16	300	300	1.95
41.24.54	270	25	450	300	5.45
41.24.59	290	25	500	590	7.15
41.24.67	300	16	370	300	2.20
41.24.70	300	25	450	300	5.55

GUARD RACKETS

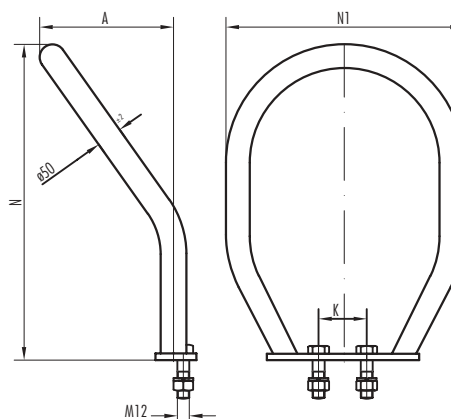
Earth end racket



Donji reket

Kat. broj Cat. No.	Dimenzije Dimensions				Masa Mass
	[mm]				
	A	K	N	N1	kg
41.32.68	350	50	615	440	6.55
41.32.72	175	50	690	480	6.70
41.32.76	360	50	615	652	7.65
41.32.77	360	140	615	652	7.20
41.32.74	515	50	750	480	8.30

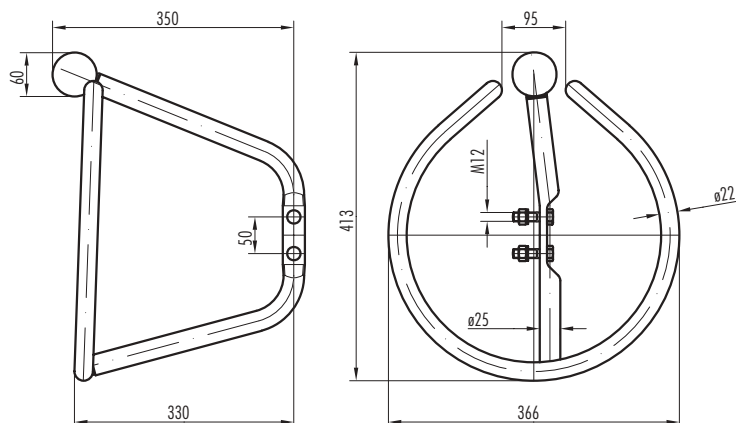
Line end racket



ZAŠTITNI PRSTENI

Kat. broj Cat. No.	Masa Mass
	kg
41.32.68	6.55

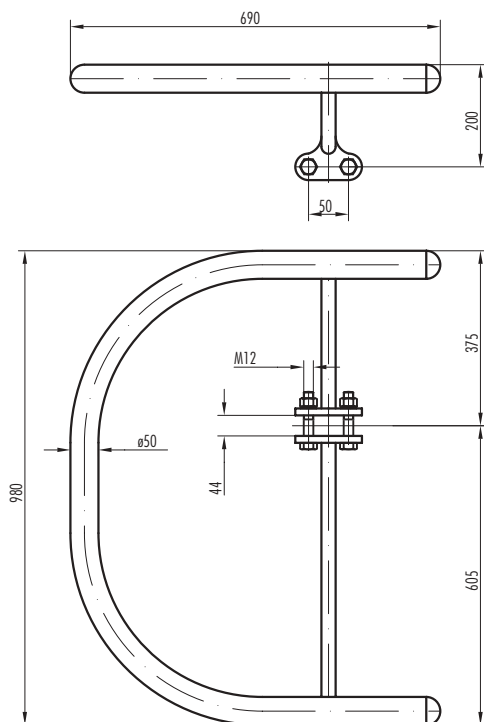
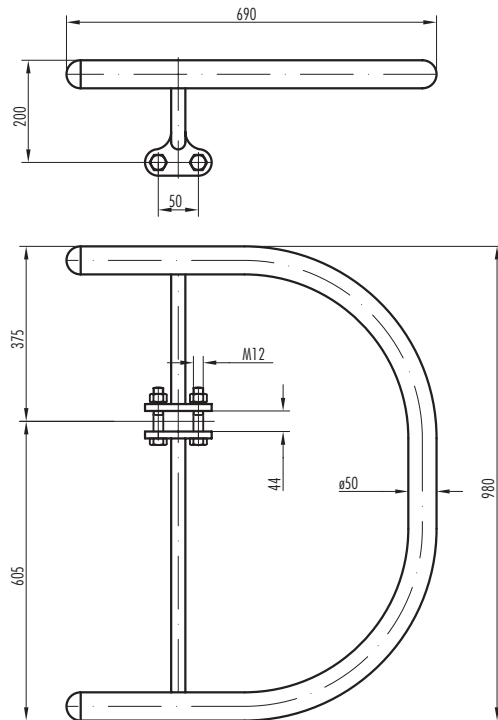
ARCING RINGS



ZAŠTITNI POLUPRSTENI

PROTECTION HALF RINGS

Kataloški broj Catalogue No.	Masa Mass
	kg
41.51.73A	4.40

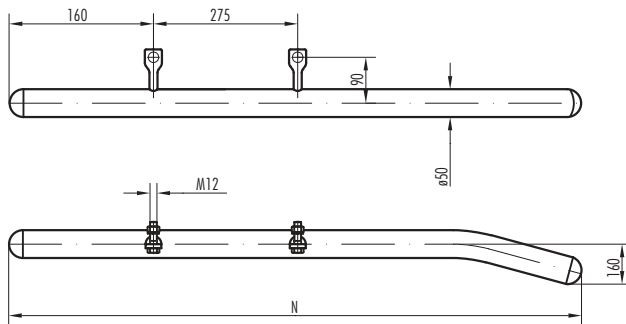
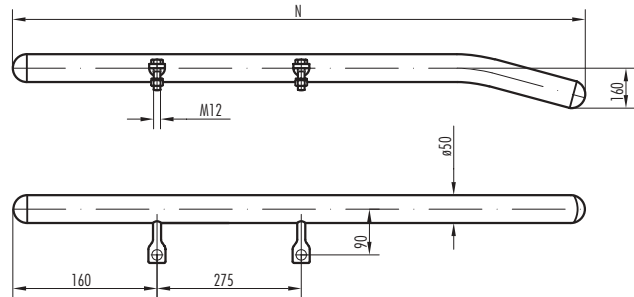


Kataloški broj Catalogue No.	Masa Mass
	kg
41.51.74A	4.40

PRUTEVI ZA ZAŠTITU OD KORONE

(Za zatezne lance s vodičima u snopu)

Kat. broj Cat. No.	Dimenzije Dimensions	[mm]	Masa Mass
	N		kg
41.52.71	900		2.45

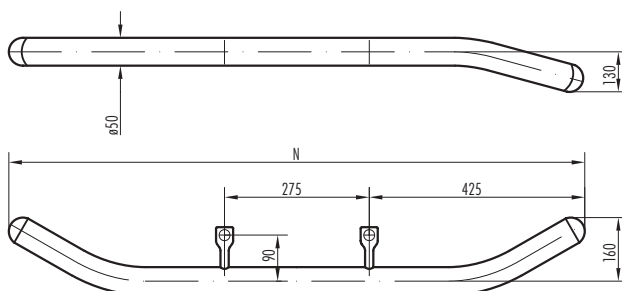
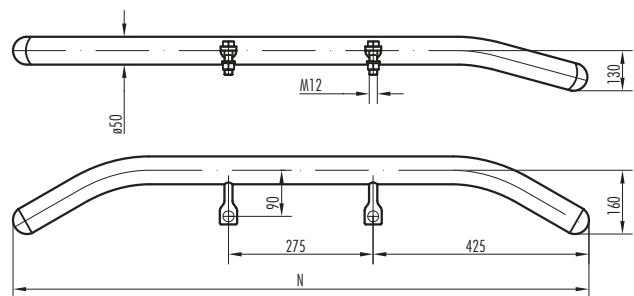


Kat. broj Cat. No.	Dimenzije Dimensions	[mm]	Masa Mass
	N		kg
41.52.72	900		2.45

PRUTEVI ZA ZAŠTITU OD KORONE

(Za trostruke zatezne lance s vodičima u snopu)

Kat. broj Cat. No.	Dimenzije Dimensions	[mm]	Masa Mass
	N		kg
41.52.73	1270		1.85



Kat. broj Cat. No.	Dimenzije Dimensions	[mm]	Masa Mass
	N		kg
41.52.74	1270		1.85

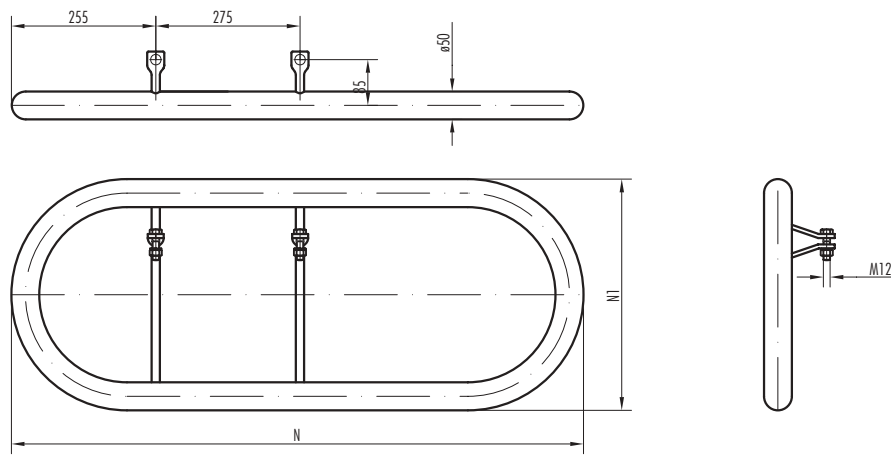
PRSTENOVI ZA ZAŠTITU OD KORONE

CORONA PROTECTION RINGS

lijevi

left

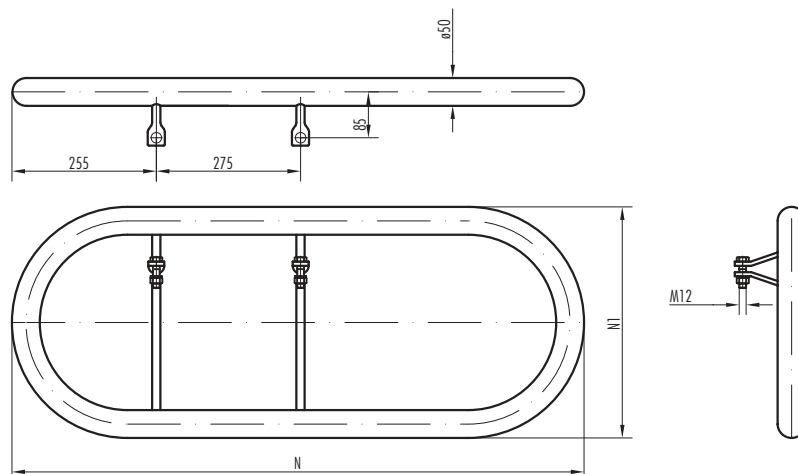
Kat. broj Cat. No.	Dimenzije Dimensions	[mm]	Masa Mass
	N	N1	kg
43.41.37	1200	490	3.40



desni

right

Kat. broj Cat. No.	Dimenzije Dimensions	[mm]	Masa Mass
	N	N1	kg
43.41.38	1200	490	3.40



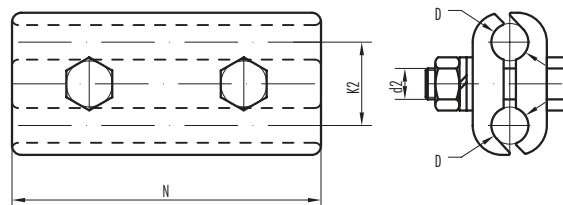
STRUJNE STEZALJKE

Za AW, Al-Fe, Al. legura i čelična užeta

Kat. broj Cat. No.	Promjer užeta Conductor diameter D (mm)	Dimenzije Dimensions [mm]			Masa Mass kg
		d2	K2	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

PARALLEL GROOVE CLAMPS

For AW, ACSR, Al. alloy and steel earth wire

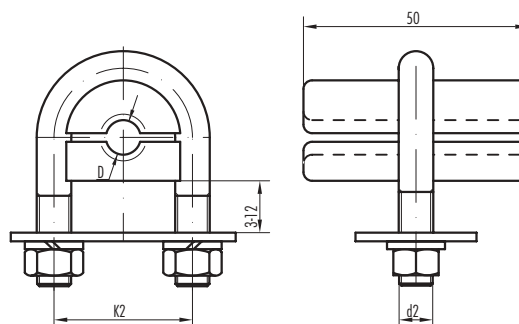
**PRIKLJUČNE STEZALJKE**

Za AW i čelična užeta

Kat. broj Cat. No.	Promjer užeta Conductor diameter D (mm)	Dimenzije Dimensions [mm]		Masa Mass kg
		d2	K2	
73.11.01	7.5	10	35	0.36
73.11.02	9.0	10	35	0.355
73.11.03	10.5	10	35	0.35
73.11.04	12.5	10	35	0.34
73.11.22	14.0	12	40	0.44

GROUND CLAMPS

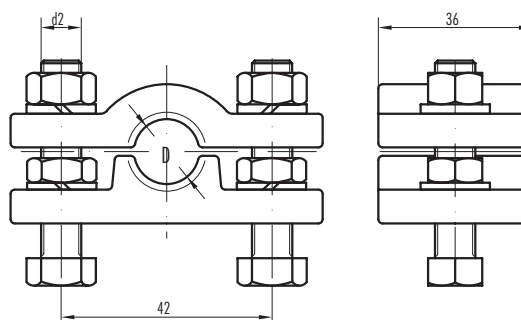
For AW and steel earth wire



Za AW, Al-Fe, Al. legura i čelična užeta

Kat. broj Cat. No.	Promjer užeta Conductor diameter D (mm)	Dimenzije Dimensions [mm]		Masa Mass kg
		d2	K2	
73.13.21.90	11.0-14.0	8	0.27	
73.13.21	13.9-15.0	8	0.27	
73.13.22	13.9-18.0	12	0.27	
73.13.22.80	15.0-19.0	12	0.27	

For AW, ACSR, Al. alloy and steel earth wire



SUSPENSION AND JOINTING EQUIPMENT COMPONENTS

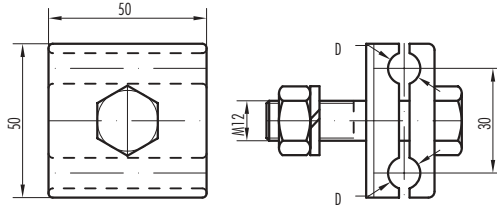
PRIKLJUČNE STEZALJKE

Za AW i čelična užeta

Kat. broj Cat. No.	Promjer užeta Conductor diameter D (mm)	Masa Mass kg
73.22.45	7.5	0.34
73.22.46	9.0	0.38
73.22.47	10.5	0.36
73.22.48	12.5	0.34
73.22.49	14.0	0.38
73.21.46	9.0	0.36
73.21.47	10.5	0.36
73.21.50	12.5	0.36

GROUND CLAMPS

For AW end steel earth wire



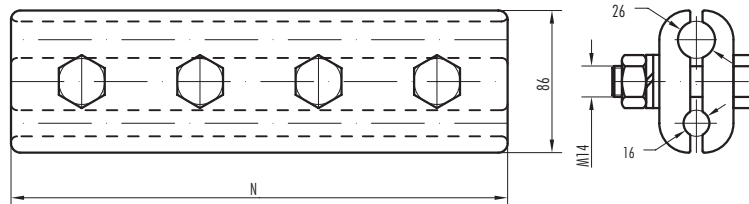
STRUJNE STEZALJKE

Za Al, Al - legura i Al - Fe vodiče

Kat. broj Cat. No.	Dimenzije Dimensions [mm] N	Masa Mass kg
43.77.122	175	1.70

PARALLEL GROOVE CLAMPS

For Al, Al - alloy and ACSR conductor



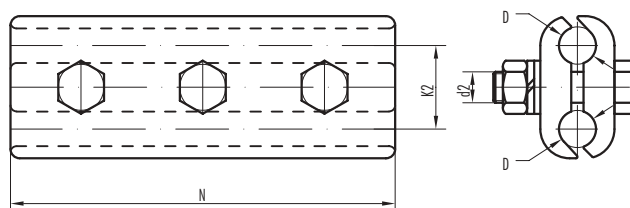
STRUJNE STEZALJKE

Za Al, Al - legura i Al - Fe vodiče

Kat. broj Cat. No.	Promjer užeta Conductor diameter D (mm)	Dimenzije Dimensions [mm]		Masa Mass kg
		K2	N	
77.36.13	15.0-18.0	34	120	0.72
77.37.13	18.0-21.0	38	120	0.81

PARALLEL GROOVE CLAMPS

For Al, Al - alloy and ACSR conductor



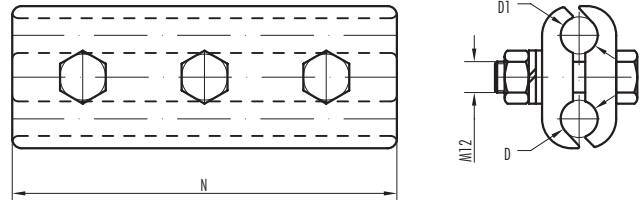
STRUJNE STEZALJKE

Za Al, Al - legura i Al - Fe vodiče

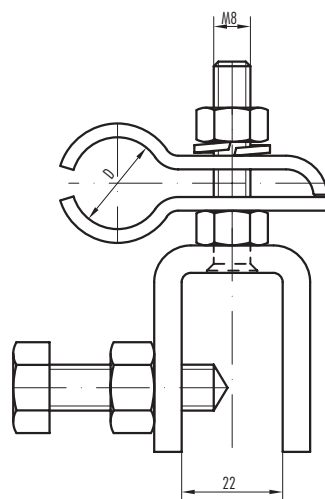
Kat. broj Cat. No.	Promjer užeta Conductor diameter (mm)		Dimenzije Dimensions [mm]	Masa Mass kg
	D	D1		
43.77.22A	16	19	120	0.80
43.77.22B	16	25	120	0.78
43.77.22C	18	25	120	0.78
43.77.22	14-17	18-21	120	0.80

PARALLEL GROOVE CLAMPS

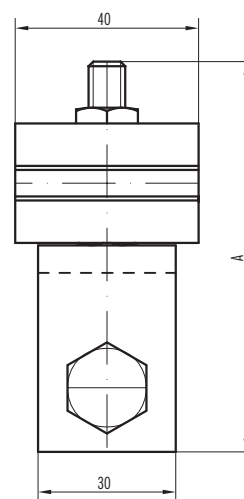
For Al, Al - alloy and ACSR conductor

**NOSAČI S OBUJMICOM ZA KABEL**

Za optički kabel

**SUPPORTS WITH PIPE CLIP**

For OPGW

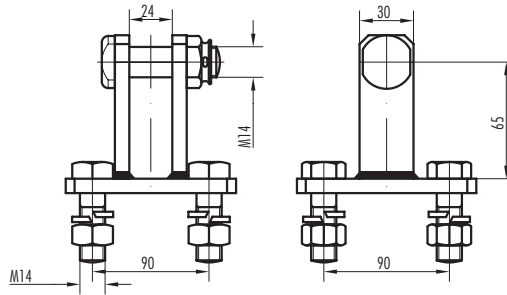


Kat. broj Cat. No.	Promjer užeta Conductor diameter D (mm)	Dimenzije Dimensions [mm] A	Masa Mass kg
44.70.20.60	18	80	0.44
44.70.20.60A	19	80	0.44

NOSAČI

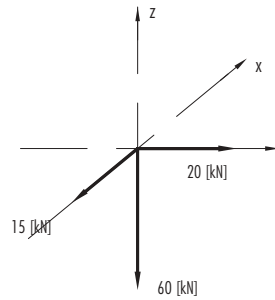
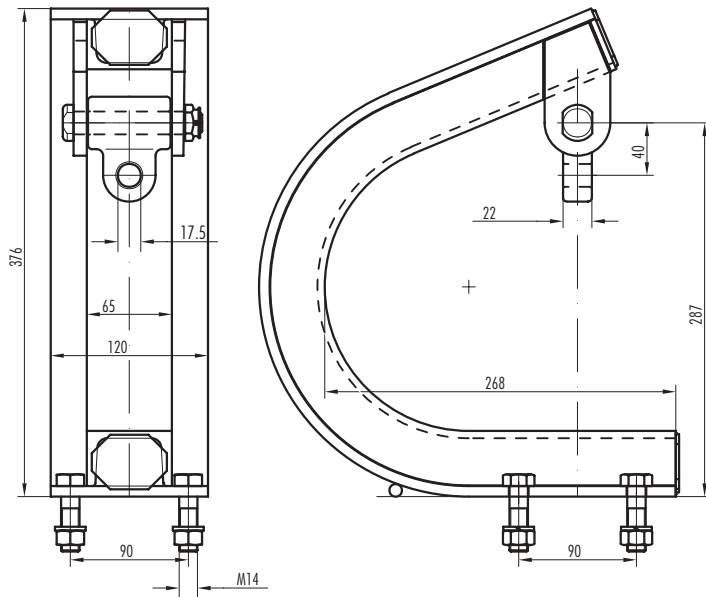
SUPPORTS

Kataloški br. Catalogue No.	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
70.13.10	80	1.70



"G" NOSAČI

"G" SUPPORTS

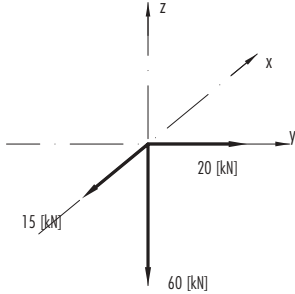


DOPUŠTENA OPTEREĆENJA U [kN]
PERMISSIBLE LOAD [kN]

Kataloški br. Catalogue No.	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
70.23.20	60	14.50

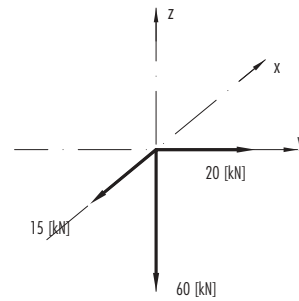
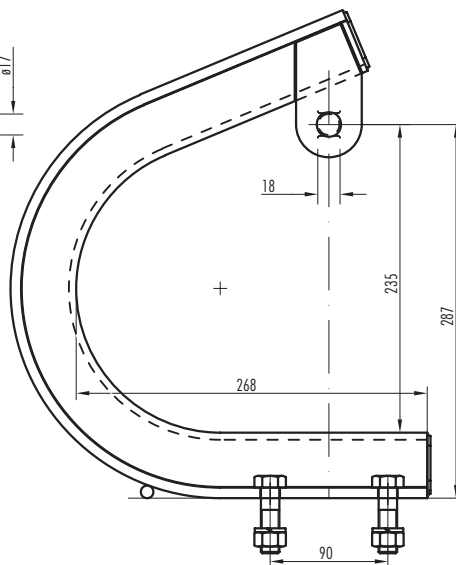
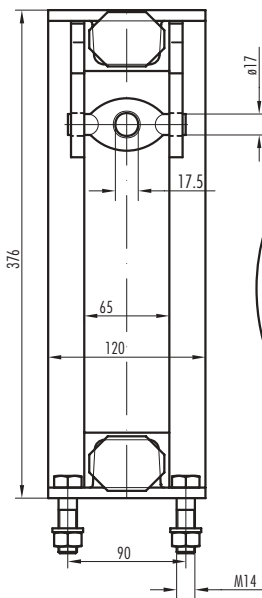
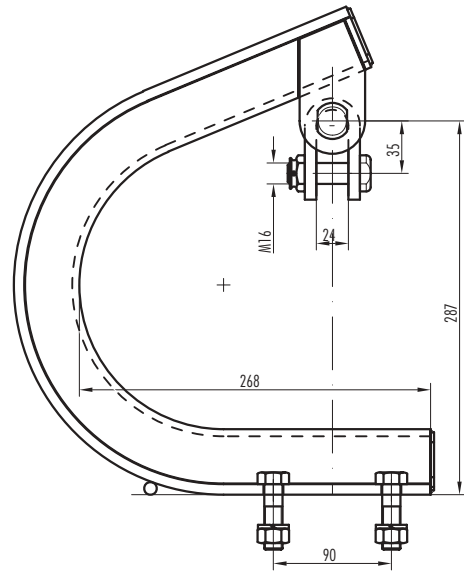
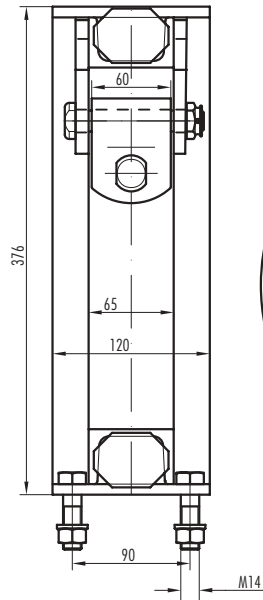
"G" NOSAČI

"G" SUPPORTS



DOPUŠTENA OPTEREĆENJA U [kN]
PERMISSIBLE LOAD [kN]

Kataloški br. Catalogue No.	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
70.23.20D	60	15.0



DOPUŠTENA OPTEREĆENJA U [kN]
PERMISSIBLE LOAD [kN]

Kataloški br. Catalogue No.	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
70.23.20E	60	14.50

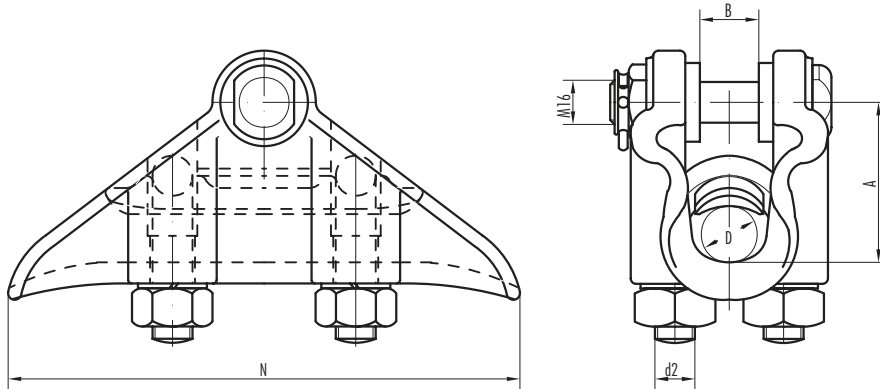
SUSPENSION AND JOINTING EQUIPMENT COMPONENTS

NOSNE STEZALJKE

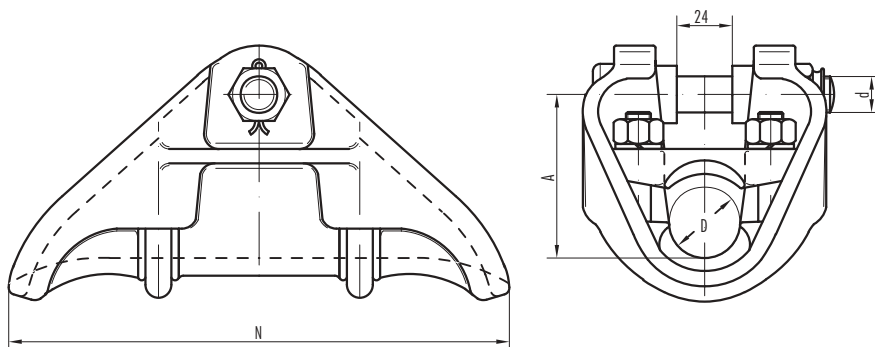
Za Al, Al - legura i Al - Fe vodiča

SUSPENSION CLAMPS

For AAC, AAAC and ACSR



Kat. broj Cat. No.	Promjer vodiča Conductor diameter D (mm)	Dimenzije Dimensions [mm]			N	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
		A	B	d2			
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
10.45.10	32 - 48	92	24	20	255	120	3.25
10.55.10	43 - 57	110	24	20	280	120	4.20



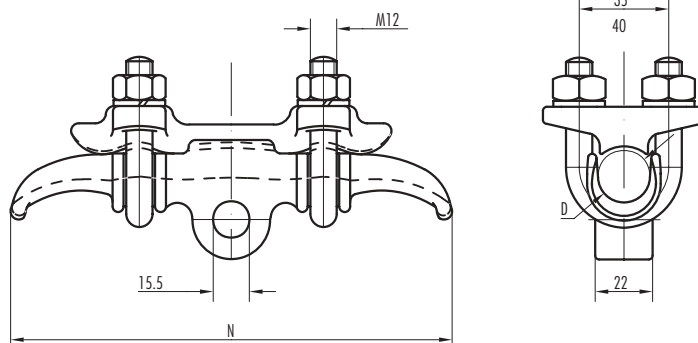
Kat. broj Cat. No.	Promjer vodiča Conductor diameter D (mm)	Dimenzije Dimensions [mm]			N	Min. prekidna sila Min. breaking strength kN	Masa Mass kg
		A	d	N			
10.31.10	23 - 31	80	16	220	120	1.85	
10.31.20	23 - 31	80	20	220	120	2.10	
10.36.10	30 - 38	90	20	243	120	2.65	
10.47.10	37 - 47	100	20	250	120	3.45	
10.53.10	46 - 55	110	20	290	160	4.45	

NOSNE STEZALJKE

Za čelična užeta

SUSPENSION CLAMPS

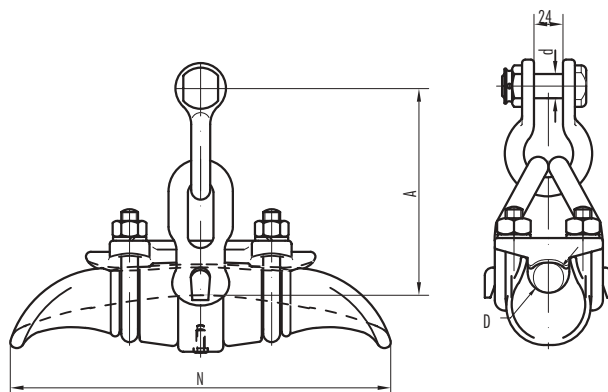
For steel earth wire



Kat. broj Cat. No.	Promjer užeta Conductor diameter		Min. prekidna sila Min. breaking strength	Masa Mass
	D (mm)	N		
11.12.10	7.5 - 12	170	80	1.05
11.14.10B	9.0 - 15	225	80	1.53

Za AW, Al, Al - legura i Al - Fe vodiča

For AW, Al, AAC, AAAC and ACSR



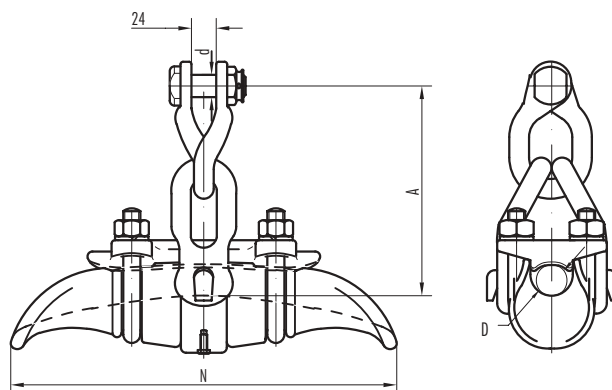
Kat. broj Cat. No.	Promjer vodiča Conductor diameter	Dimenzije Dimensions			Min. prekidna sila Min. breaking strength	Masa Mass
		D (mm)	A	d		
12.15.10	11 - 17	110	16	210	80	1.60
12.19.10	14 - 20	110	16	240	80	2.00
12.23.10	18 - 24	110	16	290	90	2.35
12.30.10	23 - 32	160	20	320	160	4.65
12.30.10.1	23 - 32	150	16	320	120	4.40
12.40.10	36 - 42	185	20	360	160	8.85
12.45.10	41 - 47	185	20	360	160	8.75
12.53.10	47 - 54	185	20	360	160	8.65

NOSNE STEZALJKE

Za AW, Al, Al - legura i Al - Fe vodiča

SUSPENSION CLAMPS

For AW, AAC, AAAC and ACSR



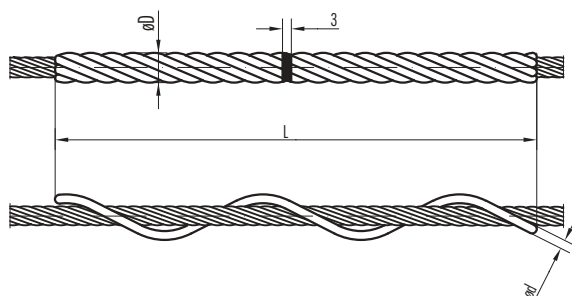
Kat. broj Cat. No.	Promjer vodiča Conductor diameter D (mm)	Dimenzije Dimensions [mm]			Min. prekidna sila Min. breaking strength kN	Masa Mass kg
		A	d	N		
12.19.20	14 - 20	150	16	240	80	2.35
12.23.20	18 - 24	150	16	290	90	2.65
12.30.20	23 - 32	175	20	320	160	4.90
12.30.20.1	23 - 32	175	16	320	160	4.75
12.40.20	36 - 42	200	20	360	160	8.95
12.45.20	41 - 47	200	20	360	160	8.75
12.53.20	47 - 54	200	20	360	160	8.75

PREFORMIRANI PRUTEVI

Za Al, Al - legura i Al - Fe vodiča

ARMOUR RODS

For AAC, AAAC and ACSR



Kataloški broj Catalogue number	Promjer vodiča Conductor diameter	Dimenzije Dimensions [mm]		Promjer pruta rod rod diameter ød	Broj pruteva po setu Rods number per set	Masa po setu Mass per set [kg]
		øD	L			
62.09.87	9,87-10,54	18,94	1320	4,20	9	0,42
62.10.55	10,55-11,18	19,58	1370	4,20	10	0,53
62.11.19	11,19-11,94	20,34	1370	4,20	10	0,53
62.11.95	11,95-12,65	21,05	1420	4,20	10	0,57
62.12.66	12,66-13,16	21,56	1420	4,20	11	0,62
62.13.17	13,17-13,64	22,04	1470	4,20	11	0,62
62.13.65	13,65-14,35	23,55	1520	4,60	11	0,80
62.14.36	14,36-14,91	24,11	1620	4,60	11	0,85
62.14.92	14,92-15,88	25,08	1620	4,60	12	0,93
62.15.89	15,89-16,66	25,90	1620	4,60	12	0,93
62.16.67	16,67-17,50	26,70	1730	4,60	13	1,06
62.17.51	17,51-17,89	28,29	1730	5,20	12	1,20
62.17.90	17,90-18,80	29,20	1830	5,20	12	1,30
62.18.81	18,81-19,53	29,93	1830	5,20	13	1,40
62.19.54	19,54-20,32	33,12	1930	6,40	11	2,00
62.20.33	20,33-21,49	34,29	1930	6,40	11	2,00
62.21.50	21,50-23,04	35,84	1980	6,40	12	2,10
62.23.05	23,05-23,59	36,39	2030	6,40	12	2,30
62.23.60	23,60-24,97	37,77	2130	6,40	13	2,50
62.24.98	24,98-26,26	42,06	2340	7,90	11	3,60
62.26.27	26,27-27,69	43,49	2440	7,90	12	4,00
62.27.70	27,70-28,96	44,76	2540	7,90	12	4,30
62.28.97	28,97-30,43	46,23	2540	7,90	13	4,70
62.30.44	30,44-32,13	50,73	2540	9,30	12	6,00
62.32.14	32,14-33,78	52,38	2540	9,30	12	6,00
62.33.79	33,79-35,46	54,06	2540	9,30	13	6,50
62.35.47	35,47-37,21	59,21	2540	11,00	11	7,70
62.37.22	37,22-38,86	60,86	2540	11,00	12	8,40
62.38.87	38,87-40,13	62,13	2540	11,00	12	8,40
62.40.14	40,14-42,04	64,04	2540	11,00	13	9,10
62.42.05	42,05-43,95	65,95	2540	11,00	13	9,10
62.43.96	43,96-45,94	67,94	2540	11,00	14	9,80
62.45.95	45,95-48,24	70,24	2540	11,00	14	9,80
62.48.25	48,25-50,59	72,59	2540	11,00	15	10,50
62.50.60	50,60-53,09	75,09	2540	11,00	15	10,50
62.53.10	53,10-55,69	79,69	2540	12,00	15	12,00

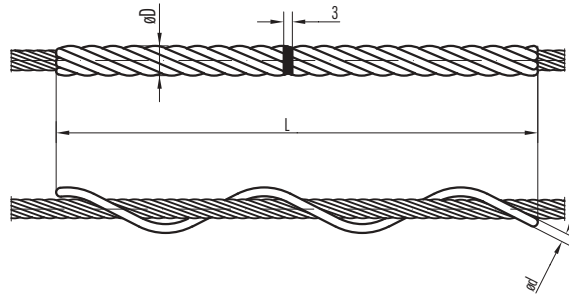
SUSPENSION AND JOINTING EQUIPMENT COMPONENTS

PREFORMIRANI PRUTEVI
ZA POPRAVAK UŽETA

Za Al, Al - legura i Al - Fe vodiča

REPAIR ARMOUR RODS

For AAC, AAAC and ACSR



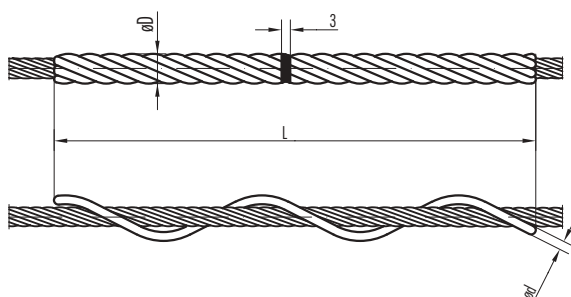
Kataloški broj Catalogue number	Promjer vodiča Conductor diameter	Dimenzije Dimensions [mm]		Promjer pruta rod diameter ød	Broj pruteva po setu Rods number per set	Masa po setu Mass per set [kg]
		øD	L			
62.09.87.01	9,87 - 10,54	18,94	660	4,20	9	0,21
62.10.55.01	10,55 - 11,18	19,58	680	4,20	10	0,26
62.11.19.01	11,19 - 11,94	20,34	680	4,20	10	0,26
62.11.95.01	11,95 - 12,65	21,05	710	4,20	10	0,28
62.12.66.01	12,66 - 13,16	21,56	710	4,20	11	0,31
62.13.17.01	13,17 - 13,64	22,04	730	4,20	11	0,31
62.13.65.01	13,65 - 14,35	23,55	760	4,60	11	0,40
62.14.36.01	14,36 - 14,91	24,11	810	4,60	11	0,42
62.14.92.01	14,92 - 15,88	25,08	810	4,60	12	0,46
62.15.89.01	15,89 - 16,66	25,90	810	4,60	12	0,46
62.16.67.01	16,67 - 17,50	26,70	880	4,60	13	0,53
62.17.51.01	17,51 - 17,89	28,29	880	5,20	12	0,60
62.17.90.01	17,90 - 18,80	29,20	910	5,20	12	0,65
62.18.81.01	18,81 - 19,53	29,93	910	5,20	13	0,70
62.19.54.01	19,54 - 20,32	33,12	960	6,40	11	1,00
62.20.33.01	20,33 - 21,49	34,29	960	6,40	11	1,00
62.21.50.01	21,50 - 23,04	35,84	1000	6,40	12	1,05
62.23.05.01	23,05 - 23,59	36,39	1000	6,40	12	1,15
62.23.60.01	23,60 - 24,97	37,77	1060	6,40	13	1,25
62.24.98.01	24,98 - 26,26	42,06	1150	7,90	11	1,80
62.26.27.01	26,27 - 27,69	43,49	1210	7,90	12	2,00
62.27.70.01	27,70 - 28,96	44,76	1250	7,90	12	2,15
62.28.97.01	28,97 - 30,43	46,23	1250	7,90	13	2,30
62.30.44.01	30,44 - 32,13	50,73	1250	9,30	12	3,00
62.32.14.01	32,14 - 33,78	52,38	1250	9,30	12	3,00
62.33.79.01	33,79 - 35,46	54,06	1250	9,30	13	3,20
62.35.47.01	35,47 - 37,21	59,21	1250	11,00	11	3,80
62.37.22.01	37,22 - 38,86	60,86	1250	11,00	12	4,20
62.38.87.01	38,87 - 40,13	62,13	1250	11,00	12	4,20
62.40.14.01	40,14 - 42,04	64,04	1250	11,00	13	4,50
62.42.05.01	42,05 - 43,95	65,95	1250	11,00	13	4,50
62.43.96.01	43,96 - 45,94	67,94	1250	11,00	14	4,70
62.45.95.01	45,95 - 48,24	70,24	1250	11,00	14	4,70
62.48.25.01	48,25 - 50,59	72,59	1250	11,00	15	5,20
62.50.60.01	50,60 - 53,09	75,09	1250	11,00	15	5,20
62.53.10.01	53,10 - 55,69	79,69	1250	12,00	15	6,00
43.62.22A	ø18	24,50	910	3,25	18	0,50
43.62.28A	17,30 - 19,30	18,75	810	3,10	18	0,32

PREFORMIRANI PRUTEVI

za čelični vodič

ARMOUR RODS

for steel conductors



Kataloški broj Catalogue number	Promjer vodiča Conductor diameter	Dimenzije Dimensions [mm]		Promjer pruta rod diameter ød	Broj pruteva po setu Rods number per set	Masa po setu Mass per set [kg]
		øD	L			
62.04.85.20	3,85 - 4,09	7,69	560	1,80	8	0,10
62.04.10.20	4,10 - 4,40	8,00	580	1,80	9	0,12
62.04.41.20	4,41 - 4,59	8,99	610	2,20	8	0,16
62.04.60.20	4,60 - 4,98	9,38	640	2,20	8	0,19
62.04.99.20	4,99 - 5,29	9,69	660	2,20	8	0,21
62.05.30.20	5,30 - 5,59	9,99	680	2,20	9	0,22
62.05.60.20	5,60 - 5,76	10,16	740	2,20	9	0,25
62.05.77.20	5,77 - 5,82	10,22	740	2,20	10	0,25
62.05.83.20	5,83 - 6,19	10,59	740	2,20	10	0,26
62.06.20.20	6,20 - 6,59	10,99	760	2,20	10	0,27
62.06.60.20	6,60 - 6,94	11,94	800	2,50	9	0,36
62.06.95.20	6,95 - 7,38	12,36	820	2,50	10	0,39
62.07.39.20	7,39 - 7,84	12,84	850	2,50	10	0,42
62.07.85.20	7,85 - 8,29	13,29	850	2,50	11	0,44
62.08.30.20	8,30 - 8,79	13,79	890	2,50	11	0,48
62.08.80.20	8,80 - 9,35	14,35	920	2,50	11	0,52
62.09.36.20	9,36 - 9,86	15,86	940	3,00	11	0,70
62.09.87.20	9,87 - 10,54	16,54	960	3,00	11	0,75
62.10.55.20	10,55 - 11,18	17,18	1000	3,00	12	0,82
62.11.19.20	11,19 - 11,94	18,94	1020	3,50	11	1,06
62.11.95.20	11,95 - 12,65	19,65	1040	3,50	12	1,13
62.12.66.20	12,66 - 13,16	20,16	1070	3,50	12	1,21
62.13.17.20	13,17 - 13,64	21,64	1100	4,00	11	1,50
62.13.65.20	13,65 - 14,35	22,35	1100	4,00	11	1,50
62.14.36.20	14,36 - 14,91	22,91	1120	4,00	12	1,64
62.14.92.20	14,92 - 15,88	23,88	1200	4,00	12	1,84

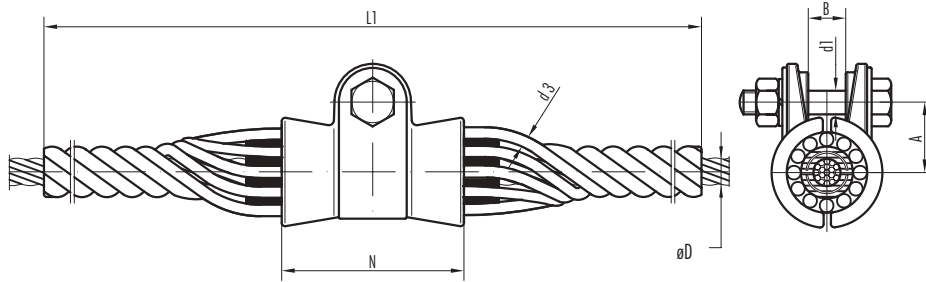
SUSPENSION AND JOINTING EQUIPMENT COMPONENTS

NOSNE STEZALJKE S
PREFORMIRANIM PRUTEVIMA

Za Al, Al - legura i Al - Fe vodiča

ARMOUR - GRIP SUSPENSION
CLAMPS (AGS)

For AAC, AAAC and ACSR



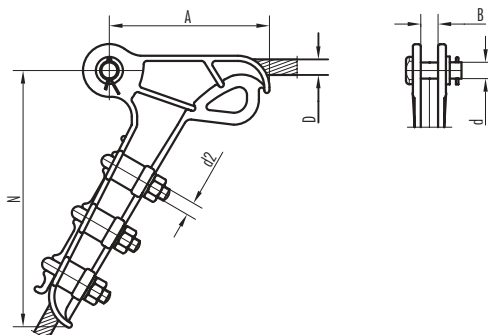
Kataloški broj Catalogue number	Promjer vodiča Conductor diameter	Dimenzije Dimensions			Promjer vijka Bolt diameter		Masa Mass		
		Prut Rod mm d3	L1	No.	Tijelo Clamp mm A B	N			
13.09.36.40	9,78	3,70	1070	9	50	24	16	90	1,30
13.09.87	9,87-10,54	4,20	1250	9	50	24	16	76	1,50
13.09.87.20	1011"RAVEN"	4,20	1250	9	50	24	20	89	1,80
13.12.66	12,66-13,16	4,20	1300	11	50	24	16	76	1,60
13.12.66.20	12,66-13,16	4,20	1800	11	50	24	16	76	2,10
13.12.66.90	12,66-13,16	4,20	1300	11	50	20	20	76	1,70
13.13.65	13,65-14,35	4,60	1350	11	50	24	20	90	1,90
13.13.65.50	13,65-14,35	4,60	1350	11	50	24	20	90	1,90
13.14.36.20	14,36-14,91	4,60	1800	11	50	24	20	90	2,05
13.14.92	14,92-15,88	4,60	1420	12	50	24	20	90	1,95
13.14.92.20	14,92-15,88	4,60	1420	12	50	20	19	90	1,95
13.15.89	15,89-16,66	4,60	1420	12	50	24	20	90	3,85
13.15.89.20	15,89-16,66	4,60	2000	12	50	24	20	90	1,95
13.15.89.30	15,89-16,66	4,60	850	12	50	24	20	90	3,85
13.16.67	16,67-17,50	5,20	1520	12	55	24	20	95	2,70
13.17.51	17,51-17,89	5,20	1520	12	55	24	20	95	2,70
13.17.90	17,90-18,80	5,20	1520	12	55	24	20	95	2,70
13.17.90.30	17,90-18,80	5,20	2000	12	55	24	20	95	3,10
13.18.81	18,81-19,53	5,20	1520	13	55	24	20	95	2,80
13.19.54A	19,54-20,32	6,40	1620	12	60	20	19	115	3,10
13.20.33	20,33-21,49	6,40	1620	11	60	24	20	115	4,10
13.20.33.30	20,33-21,49	6,40	950	11	60	24	20	115	3,90
13.21.50	21,50-23,04	6,40	1680	12	60	24	20	115	4,10
13.23.05	23,05-23,59	6,40	1930	12	65	24	20	127	5,10
13.23.60	23,60-24,97	6,40	1930	13	65	24	20	127	5,20
13.23.60.20	23,60-24,97	6,40	1930	13	65	20	19/18	127	5,20
43.13.10	26,27-27,69	7,90	2130	12	70	24	20	140	7,80
13.27.70	27,70-28,96	7,90	2130	12	70	24	20	140	7,80
13.27.70A	27,70-28,96	7,90	2130	12	70	20	19	140	7,80
13.27.70.20	27,70-28,96	7,90	2130	12	70	24	16	140	7,80
13.27.70.30	27,70-28,96	7,90	2130	12	70	24	20	140	7,85
13.27.70.50	27,70-28,96	7,90	2130	12	70	24	20	140	7,80
13.28.97	28,97-30,43	7,90	2130	13	70	24	20	140	8,20
13.30.44	30,44-32,13	9,30	2240	12	80	24	20	150	9,80
13.30.44.20	30,44-32,13	9,30	2240	12	80	20	19	150	9,80
13.32.14	32,14-33,78	9,30	2240	12	80	24	20	150	9,80
13.32.14.50	32,14-33,78	9,30	2240	12	80	24	20	150	9,80

ZATEZNE STEZALJKE

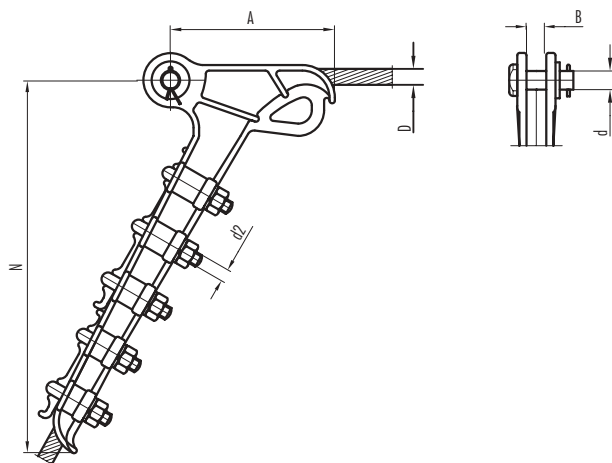
Za Al, Al - legura i Al - Fe vodiča

TENSION CLAMPS

For AAC, AAAC and ACSR



Kataloški broj Catalogue number	Vodič Conductor øD (mm)	Vijak broj Bolt No.	Dimenzije Dimensions [mm]				Min. prekidna sila Min. breaking strength [kN]	Masa Mass [kg]	
			A	B	d	d2			
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



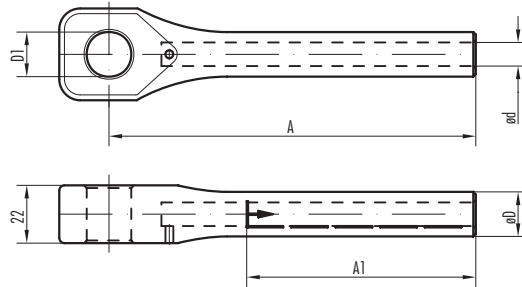
Kataloški broj Catalogue number	Vodič Conductor øD (mm)	Vijak broj Bolt No.	Dimenzije Dimensions [mm]				Min. prekidna sila Min. breaking strength [kN]	Masa Mass [kg]	
			A	B	d	d2			
16.19.10	13 - 19	4	180	24	16	M12	290	80	3.30
16.19.10.50	13 - 19	4	180	24	20	M12	290	80	3.40
16.23.10	18 - 25	5	210	26	16	M14	365	100	3.90
16.23.10.40	18 - 25	5	210	26	20	M14	365	100	4.10
16.30.10.50	23 - 32	5	230	24	16	M16	405	120	6.20
16.30.10.40	23 - 32	5	230	24	20	M16	405	120	6.30

ZATEZNE KOMPRESIJE STEZALJKE

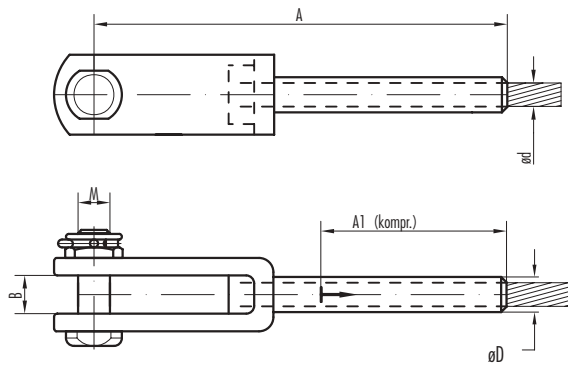
Za čelična i AW zaštitna užeta

COMPRESSION DEAD END CLAMPS

For steel and AW earth wire



Kat. broj Cat. No.	Presjek užeta Rope cross sect.	Dimenzije Dimensions					Masa Mass
		[mm] ²	A	A1	øD	ød	
72.615.80	35	145	80	15	8,0	17	0,39
72.619.95	50	150	90	19	9,5	17	0,50
72.621.110	70	160	100	21	11,0	21	0,65
72.625.130	95	165	100	25	13,0	21	0,75
72.625.137	104	165	100	25	13,7	21	0,78
72.625.150	126.1	165	100	25	15,0	21	0,84



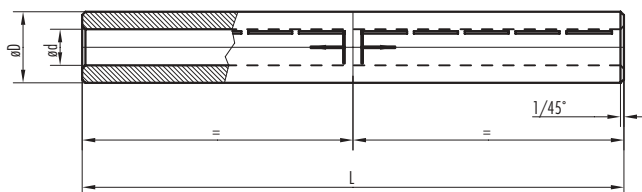
Kat. broj Cat. No.	Presjek užeta Rope cross sect.	Dimenzije Dimensions						Masa Mass
		[mm] ²	A	A1	B	øD	ød	
72.115.80	35	190	80	20	15	8,0	16	0,670
72.119.95	50	200	90	24	19	9,5	16	0,840
72.121.110	70	210	100	24	21	11,0	20	0,906
72.125.130	95	220	100	28	25	13,0	20	1,186
72.125.137	104	220	100	28	25	13,7	20	1,170
72.125.150	126.1	220	100	28	25	15,0	20	1,138

KOMPRESIJE NASTAVNE SPOJNICE

Za čelična i AW zaštitna užeta

COMPRESSION MIDSPAN JOINTS

For steel and AW earth wire



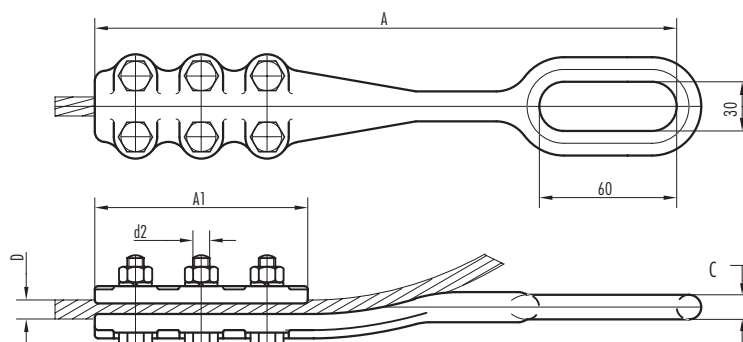
Kat. broj	Presjek užeta	Dimenzije			Masa
Cat. No.	Rope cross sect.	Dimensions			Mass
	[mm] ²	øD	ød	L	[kg]
56.015.80	35	15	8.0	160	0.16
56.019.95	50	19	9.5	180	0.30
56.021.110	70	21	11.0	200	0.39
56.025.130	95	25	13.0	200	0.56
56.025.137	104	25	13.7	200	0.54
56.025.150	126.1	25	15.0	200	0.49

ZATEZNE STEZALJKE

Za čelična i AW zaštitna užeta

TENSION CLAMPS

For steel and AW earth wire



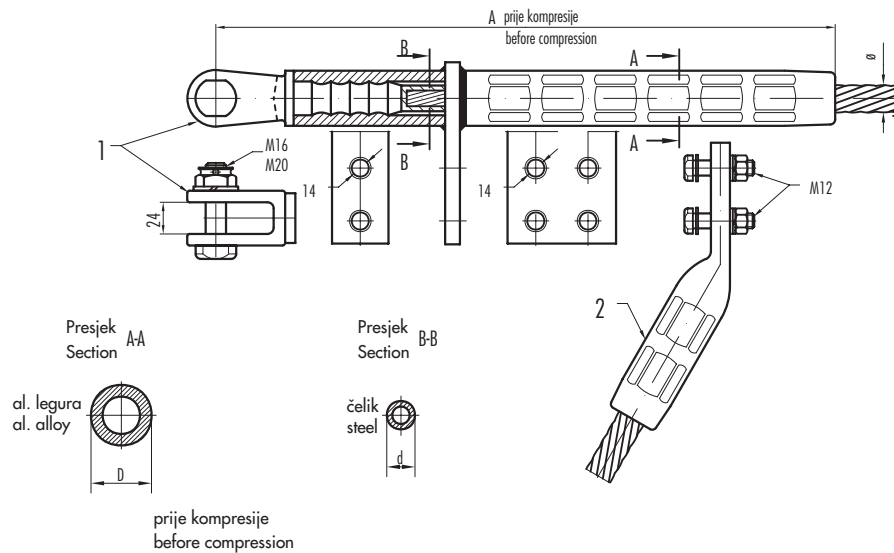
Kat. broj	Vodič	Dimenzije				Min. prekidna sila	Masa
Cat. No.	Conductor	Dimensions				Min. breaking strength	Mass
	øD (mm)	A	A1	C	d2	[kN]	[kg]
71.20.50	6,0 - 8,0	275	105	12	12	40	1,53
71.30.50	8,0 - 9,5	314	135	14	14	60	2,38
71.80.50	11,5 - 13,5	450	200	16	16	120	6,00

ZATEZNE KOMPRESIJE STEZALJKE

Za Al-Fe vodiče

COMPRESSION DEAD END CLAMPS

For ACSR conductors



Minimalna prekidna sila 95% od U.T.S. vodiča
 Minimum breaking strength is 95% of U.T.S. of conductor

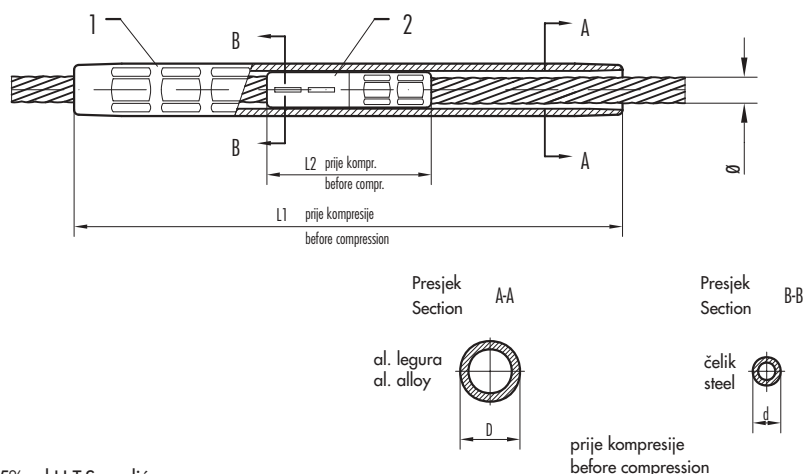
Red. br.	Kataloški broj	Naziv vodiča	Promjer vodiča	Konstrukcija		Dimenzije		Kataloški broj	Masa
				Alumini/Aluminium	Čelik/Steel	A	D/d		
Item	Catalogue number	Code name	Overall diameter	Stranding		Dimensions		Catalogue number	Mass
			ø [mm]			[mm]	[mm]		[kg]
1	50.50.05.01	35/6	8,10	6x2,70	2,70 /1x2,70	260	20/9	51.50.90	0.73
2	50.50.10.01	50/8	9,60	6x3,20	3,20 /1x3,20	260	20/9	51.50.105	0.95
3	50.53.53.01	52/30	11,70	12x2,34	7,02 /7x2,34	400	30/15	51.53.130	1.90
4	50.52.08.01	70/12	11,55	26x1,80	4,35 /7x1,45	365	26/11	51.52.130	1.60
5	50.52.19.01	95/15	13,60	26x2,15	5,01 /7x1,67	365	26/11	51.52.150	1.55
6	50.54.53.02	95/55	16,00	12x3,20	9,60 /7x3,20	405	34/19	51.54.175	2.40
7	50.53.01.01	120/20	15,50	26x2,44	5,70 /7x1,90	385	30/13	51.53.170	1.90
8	50.56.58.02	120/70	18,00	12x3,60	10,80 /7x3,60	475	42/21	51.56.195	3.95
9	50.54.01.01	150/25	17,00	26x2,72	6,40 /7x2,12	405	34/13	51.54.185	2.20
10	50.54.07.01	170/40	18,90	30x2,70	8,10 /7x2,70	405	34/17	51.54.200	2.25
11	50.54.09.01	185/30	19,00	26x3,00	6,99 /7x2,33	405	34/15	51.54.205	2.50
12	50.55.09.01	240/40	21,90	26x3,45	8,04 /7x2,68	460	38/17	51.55.230	2.80
13	50.55.09.02	240/40	21,90	26x3,45	8,04 /7x2,68	460	38/17	51.55.230	2.95
14	50.55.13.02	240/55	22,40	30x3,20	9,60 /7x3,20	460	38/19	51.55.235	3.00
15	50.56.06.02	300/50	24,50	26x3,80	9,00 /7x3,00	475	42/19	51.56.260	3.60
16	50.57.07.02	350/79	26,90	30x3,85	11,50 /19x2,30	515	46/23	51.57.280	4.30
17	50.57.03.02	360/60	26,60	26x4,20	9,80 /19x1,96	515	46/19	51.57.280	4.05
18	50.58.11.02	490/65	30,60	54x3,40	10,20 /7x3,40	575	50/21	51.58.320	5.00
19	50.58.19.02	490/110	31,70	30x4,55	13,70 /19x2,73	575	50/25	51.58.330	5.15

KOMPRESIONE NASTAVNE SPOJNICE

Za Al-Fe vodiče

COMPRESSION MIDSPAN JOINTS

For ACSR



Minimalna prekidna sila 95% od U.T.S. vodiča

Minimum breaking strength is 95% of U.T.S. of conductor

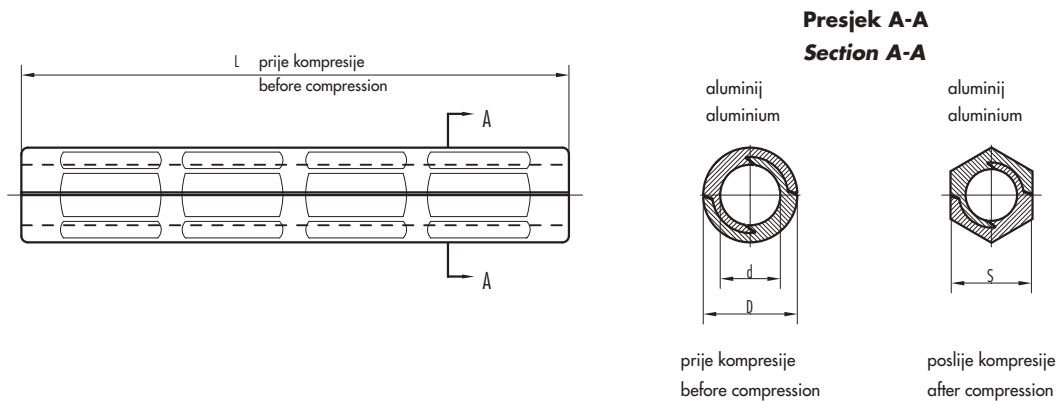
Red. br.	Kataloški broj	Naziv vodiča	Promjer vodiča	Konstrukcija		Dimenzije		Kataloški broj	Masa
				Alumini/Aluminium	Čelik/Steel	A	D/d		
Item	Catalogue number	Code name	Overall diameter	Stranding		Dimensions		Catalogue number	Mass
			\varnothing [mm]			[mm]	[mm]		[kg]
1	55.50.05	35/6	8,10	270	70	20	9	56.07.30	0.21
2	55.50.10	50/8	9,60	270	85	20	9	56.09.37	0.22
3	55.53.53	52/30	11,70	520	160	30	15	56.15.75	0.85
4	55.52.08	70/12	11,55	490	120	26	11	56.11.48	0.70
5	55.52.19	95/15	13,60	490	120	26	11	56.11.55	0.60
6	55.54.53	95/55	16,00	570	140	34	19	56.19.100	1.25
7	55.53.01	120/20	15,50	520	140	30	13	56.13.62	0.90
8	55.56.58	120/70	18,00	680	200	42	21	56.21.112	2.20
9	55.54.01	150/25	17,00	570	140	34	13	56.13.67	1.08
10	55.54.07	170/40	18,90	570	180	34	17	56.17.85	1.15
11	55.54.09	185/30	19,00	570	160	34	15	56.15.75	1.05
12	55.55.09	240/40	21,90	630	180	38	17	56.17.85	1.60
13	55.55.13	240/55	22,40	630	180	38	19	56.19.100	1.48
14	55.56.06	300/50	24,50	680	180	42	19	56.19.95	1.87
15	55.57.07	350/79	26,90	730	200	46	23	56.23.120	5.54
16	55.57.03	360/60	26,60	730	180	46	19	56.19.102	2.56
17	55.58.11	490/65	30,60	860	200	50	21	56.21.107	3.06
18	55.58.19	490/110	31,70	850	200	50	25	56.25.142	3.04

KOMPRESIONE SPOJNICE ZA POPRAVAK

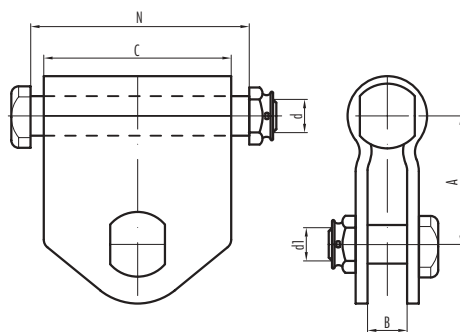
COMPRESSION REPAIR SLEEVES

Za Al, Al. legura i Al-Fe vodiče

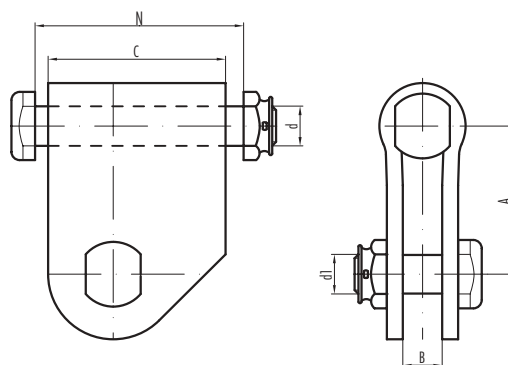
For AAC, AAAC and ACSR



Red. br. Item	Kataloški broj Catalogue number	Naziv vodiča Code name	Promjer vodiča Overall diameter		Konstrukcija Stranding	Dimenzije Dimensions			Kataloški broj Catalogue number	Masa Mass
			\varnothing [mm]	Alumini/Aluminium Čelik/Steel		A [mm]	D/d [mm]			
1	57.50.90	35/6	7,80-8,29	140	20	9.0	16	0.09		
2	57.50.105	50/8	9,30-9,79	140	20	10.5	16	0.08		
3	57.53.130	52/30	11,50-11,90	180	30	13.0	25.8	0.26		
4	57.52.130	70/12	11,55-11,90	180	26	13.0	22.4	0.19		
5	57.52.150	95/15	13,60-14,00	180	26	15.0	22.4	0.17		
6	57.54.175	95/55	16,00-16,49	180	34	17.5	29	0.32		
7	57.53.170	120/20	15,50-15,89	180	30	17.0	25.8	0.23		
8	57.56.195	120/70	18,00-18,12	250	42	19.5	36	0.73		
9	57.54.185	150/25	17,00-17,28	180	34	18.5	29	0.31		
10	57.54.200	170/40	18,80-18,90	180	34	20.0	29	0.28		
11	57.54.205	185/30	19,00-19,38	180	34	20.5	29	0.27		
12	57.55.230	240/40	21,49-21,90	220	38	23.0	32.4	0.42		
13	57.55.235	240/55	22,00-22,40	220	38	23.5	32.4	0.41		
14	57.56.260	300/50	24,40-24,85	250	42	26.0	36	0.57		
15	57.57.280	350/79	26,58-26,97	250	46	28.0	39.2	0.71		
16	57.57.280	360/60	26,58-26,97	250	46	28.0	39.2	0.71		
17	57.58.320	490/65	30,60-30,80	250	50	32.0	42.4	0.78		
18	57.58.330	490/110	31,47-31,77	250	50	33.0	42.4	0.75		

ZASTAVICE**HINGES**

Kataloški broj Catalogue number	Dimenzije Dimensions					N	Min. prekidna sila Min. breaking strength [kN]	Masa Mass [kg]
	A	B	C	d	d1			
69.75.50	65	20	75	19	19	105	160	1,60
69.75.50.30	65	20	75	19	19	105	160	1,60
69.95.30	65	20	95	19	19	125	160	1,75
69.95.90	65	20	95	19	19	125	120	1,60
69.95.90.20	65	20	95	19	19	125	160	2,05



Kataloški broj Catalogue number	Dimenzije Dimensions					N	Min. prekidna sila Min. breaking strength [kN]	Masa Mass [kg]
	A	B	C	d	d1			
69.72.10	65	20	72	16	16	107	160	1,55
43.69.31	65	20	70	19	20	105	160	1,64
43.69.31.20	65	24	70	20	20	105	160	1,50
43.69.31.30	65	22	70	20	20	105	160	1,66
43.69.32	65	20	70	19	20	105	100	1,44
69.90.20	75	20	90	20	20	150	160	2,20
69.90.40	75	20	90	16	16	150	120	1,90
69.90.50	75	24	90	25	22	100	280	2,70

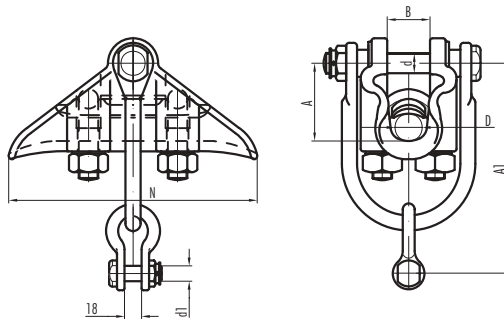
SUSPENSION AND JOINTING EQUIPMENT COMPONENTS

**NOSNE STEZALJKE
za ovješnja utega**

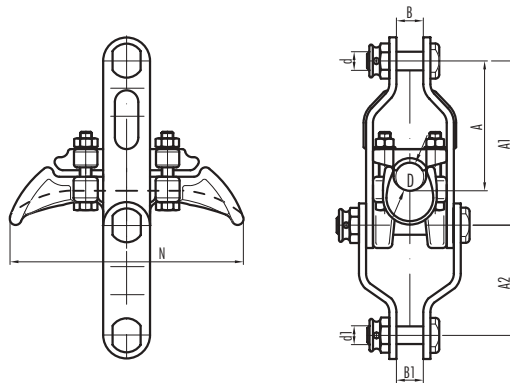
Za Al, Al - legura i Al - Fe vodiče

**SUSPENSION CLAMPS
for counterweight attachment**

For AAC, AAAC and ACSR



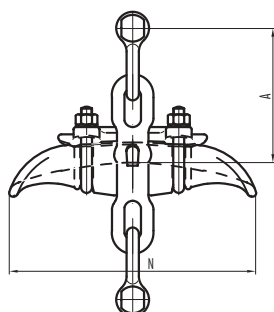
Kataloški broj Catalogue number	Promjer vodiča Conductor [mm]	Dimenzije Dimensions [mm]						Minimalna prekidna sila Min. breaking strength [kN]	Masa Masa [kg]
		øD	A	A1	B	d	d1		
10.15.30	9 - 17	60	180	24	16	16	170	60	2,35
10.19.30	14 - 20	60	180	24	16	16	180	80	2,90
10.25.30	19 - 27	65	180	28	16	16	205	80	4,85
10.35.30	25 - 37	75	185	24	16	16	225	100	4,65
10.45.30	32 - 47	92	210	24	20	16	255	120	5,05



Kataloški broj Catalogue number	Promjer vodiča Conductor [mm]	Dimenzije Dimensions [mm]							Minimalna prekidna sila Min. breaking strength [kN]	Masa Masa [kg]	
		A	A1	A2	B	B1	d	d1			N
11.17.30	9 - 17,5	110	140	60	24	18	16	16	190	85	2,23
11.21.30	17 - 22	120	150	70	24	18	20	16	210	85	3,40
11.21.30.20	17 - 22	120	150	75	24	18	16	16	210	85	3,35
11.27.30	20 - 27	120	150	75	24	18	20	16	240	90	3,70
11.27.40	20 - 27	120	150	75	24	18	16	16	240	90	3,70
11.33.30	25 - 33	130	150	80	24	18	20	16	250	160	3,85
11.33.30.40	25 - 33	130	150	80	24	18	16	16	250	120	3,80
11.41.30	32 - 43,5	155	185	80	24	18	20	16	300	160	5,40
11.41.30.20	32 - 43,5	155	185	80	24	18	16	16	300	120	5,30
11.53.30	41 - 53	170	205	105	24	18	20	16	320	160	6,10
11.53.30.20	41 - 53	170	205	105	24	18	16	16	320	120	6,00

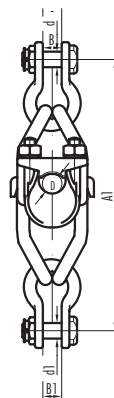
NOSNE STEZALJKE za ovješnja utega

Za Al, Al - legura i Al - Fe vodiče

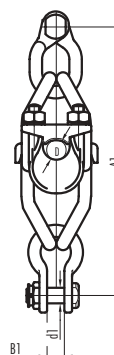
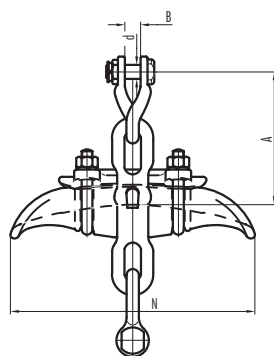


SUSPENSION CLAMPS for counterweight attachment

For AAC, AAAC and ACSR



Catalogue number	Conductor [mm]	Dimension [mm]							Short circuit current [kA]	Minimum breaking strength [kN]	Mass [kg]	
		øD	A	A1	B	B1	d	d1				N
12.15.30	11 - 17		110	265	24	18	16	16	210	20	80	2,25
12.19.90	14 - 20		110	265	24	18	16	16	240	30	80	2,80
12.23.30	18 - 24		110	265	24	18	16	16	290	30	90	3,10
12.30.30	23 - 32		165	325	24	18	20	16	320	30	160	5,50
12.30.30.1	23 - 32		155	315	24	18	16	16	320	30	120	5,35
12.30.90.30	25 - 34		165	325	24	18	20	16	320	30	160	5,50
12.40.90.30	34 - 37		185	375	24	18	20	16	360	30	160	9,50
12.40.30	36 - 42		185	375	24	18	20	16	360	40	160	9,50
12.45.30	41 - 47		185	375	24	18	20	16	360	40	160	9,50
12.53.30	47 - 54		185	375	24	18	20	16	360	40	160	9,65



Catalogue number	Conductor [mm]	Dimension [mm]							Short circuit current [kA]	Minimum breaking strength [kN]	Mass [kg]	
		øD	A	A1	B	B1	d	d1				N
12.15.40	11 - 17		150	305	24	18	16	16	210	20	80	2,55
12.19.40	14 - 20		150	305	24	18	16	16	240	30	80	3,10
12.23.40	18 - 24		150	305	24	18	16	16	290	30	90	3,45
12.30.40	23 - 32		180	340	24	18	20	16	320	30	160	5,70
12.30.90.40	25 - 34		180	340	24	18	16	16	320	30	120	5,70
12.40.40	36 - 42		200	390	24	18	20	16	360	40	160	9,60
12.45.40	41 - 47		200	390	24	18	20	16	360	40	160	9,50
12.53.40	47 - 54		200	390	24	18	20	16	360	40	160	9,65

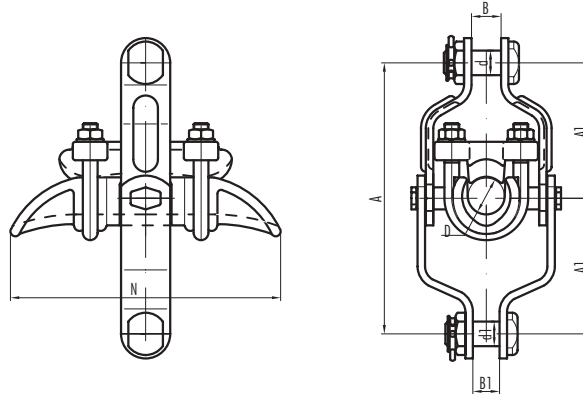
SUSPENSION AND JOINTING EQUIPMENT COMPONENTS

**NOSNE STEZALJKE
za ovješnja utega**

Za Al, Al - legura i Al - Fe vodiče

**SUSPENSION CLAMPS
for counterweight attachment**

For AAC, AAAC and ACSR



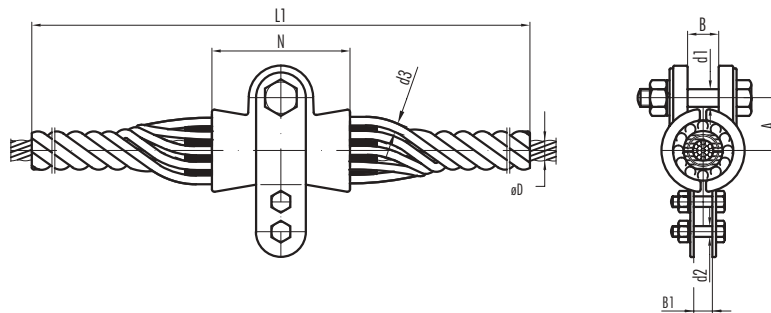
Kataloški broj	Promjer vodiča	Dimenzije							Minimalna prekidna sila	Masa
Catalogue number	Conductor [mm]	Dimensions							Min. breaking strength	Masa
	øD	A	A1	B	B1	d	d1	N	[kN]	[kg]
12.22.90.40	15 - 23	260	130	20	20	16	16	190	120	2.85
12.31.90.30	23 - 31	300	150	24	20	16	16	210	120	3.05
12.31.90.50	23 - 31	300	150	24	20	20	16	210	120	3.20
12.37.90.40	31 - 37	340	170	24	20	16	16	230	120	3.85
12.37.90.50	31 - 37	340	170	24	20	20	16	230	120	3.95
12.54.90.20	44 - 53	410	205	24	20	20	16	270	160	5.05

**NOSNE STEZALJKE S
PREFORMIRANIM PRUTEVIMA
za ovješnja utega**

Za Al, Al - legura i Al - Fe vodiče

**ARMOUR - GRIPS SUSPENSION
CLAMPS (AGS)
for counterweight attachment**

For AAC, AAAC and ACSR



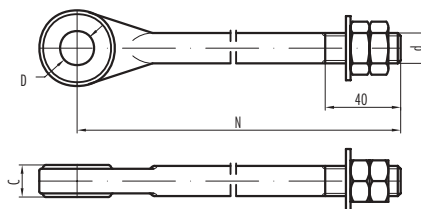
Kataloški broj	Promjer vodiča	Dimenzije							Masa		
Catalogue number	Conductor øD (mm)	Prut Rod - mm			Tijelo Clamp - mm			Masa			
		d3	L1	br./No.	A	B	B1	ød1	ød2	N	[kg]
13.17.90.80	17,90-18,80	5,20	1520	12	55	24	18	20	16	95	2,90
13.27.70.90	27,70-28,96	7,90	2130	12	70	24	18	20	16	140	8,10
13.28.97.90	28,97-30,43	7,90	2130	13	70	24	18	20	16	140	8,70
13.32.14.90	32,14-33,78	9,30	2240	12	80	24	18	20	16	150	10,10

VIJCI S OČKOM

za vertikalna
ovješnja utega

BOLT TONGUES

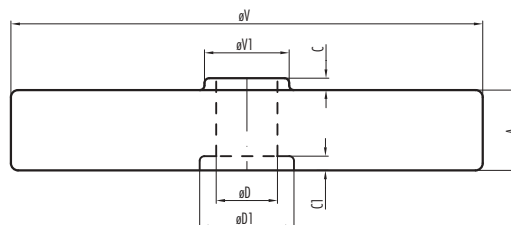
for the vertical type
of counterweight set



Kataloški broj Catalogue number	Dimenzije Dimensions [mm]				Za uteg for counterweight [kg]	Masa Mass [kg]
	C	D	d	N		
25.01.35	17	17,5	M16	135	25	0,34
25.01.85	17	17,5	M16	185	50	0,43
25.02.35	17	17,5	M16	235	75	0,52
25.02.85	17	17,5	M16	285	100	0,61
25.03.35	17	17,5	M16	335	125	0,70
25.03.85	17	17,5	M16	385	150	0,79
25.04.35	17	17,5	M16	435	175	0,88
25.04.85	17	17,5	M16	485	200	0,97
25.05.35	17	17,5	M16	535	225	1,06
25.05.85	17	17,5	M16	585	250	1,15
25.06.35	17	17,5	M16	635	275	1,24
25.06.85	17	17,5	M16	685	300	1,33
25.07.35	17	17,5	M16	735	325	1,42
25.07.85	17	17,5	M16	785	350	1,51

UTEZI

COUNTERWEIGHTS



Catalogue number	Dimensions [mm]							Mass [kg]
	A	C	C1	øD	øD1	øV	øV1	
43.80.02	50	8	10	20	60	300	57	25

SUSPENSION AND JOINTING EQUIPMENT COMPONENTS

KRUTI RASTOJNICI

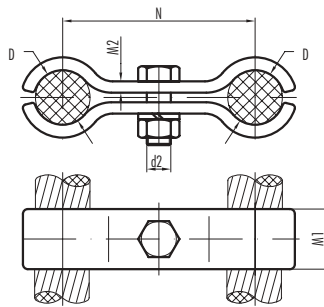
za dva vodiča u snopu za strujni most

Za Al, Al - legura i Al - Fe vodiča

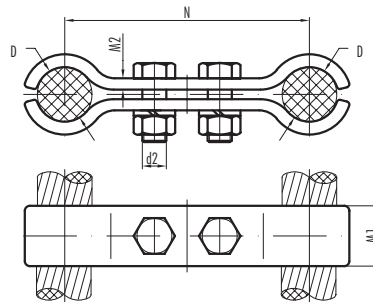
RIGIDE SPACERS

for jumper terminal and twin bundle conductor

For AAC, AAAC and ACSR



Kataloški broj Catalogue number	Promjer vodiča Diameter D [mm]	Dimenzije Dimensions [mm]				Masa Mass [kg]
		N	d2	M1	M2	
43.38.68	25,1 - 28,0	45	10	30	8	0,20
43.38.52	32,0 - 36,0	45	8	30	8	0,20
43.38.64	36,0 - 39,0	60	8	30	8	0,22
43.38.39	32,0 - 36,0	100	10	30	8	0,30



Kataloški broj Catalogue number	Promjer vodiča Diameter D [mm]	Dimenzije Dimensions [mm]				Masa Mass [kg]
		N	d2	M1	M2	
43.38.65.30	28,1 - 32,0	100	10	30	8	0,33
43.38.65.2	38,0 - 42,0	100	10	50	8	0,52
43.38.48	22,6 - 25,0	200	10	30	8	0,48
43.38.85	25,1 - 28,0	200	10	30	8	0,48
43.38.47	32,1 - 36,0	200	10	30	8	0,53
43.38.35	36,1 - 41,1	200	10	30	8	0,53
43.38.38	41,1 - 43,0	200	10	30	8	0,53
43.38.41	32,1 - 36,0	400	10	30	8	0,82
43.38.34	36,1 - 41,1	400	10	30	8	0,84
43.38.37	41,1 - 44,0	400	10	30	8	0,84

POLUKRUTI RASTOJNICI S UTEGOM

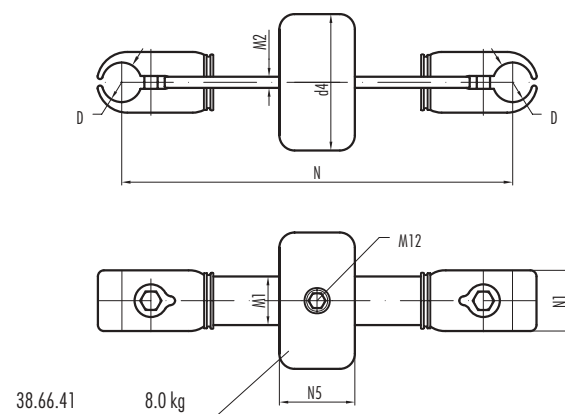
za dva vodiča u snopu za strujni most

Za Al, Al - legura i Al - Fe vodiča

SEMI-RIGIDE SPACERS WITH WEIGHT

for jumper terminal and twin bundle conductor

For AAC, AAAC and ACSR



Kataloški broj Catalogue number	Promjer vodiča Diameter D [mm]	Dimenzije Dimensions [mm]						Masa Mass [kg]
		d4	N	N1	N5	M1	M2	
38.61.10	17,5 - 20,5	135	200	50	80	40	6	9,08
38.61.20	17,5 - 20,5	135	250	50	80	40	6	9,18
38.61.30	17,5 - 20,5	135	330	50	80	40	6	9,33
38.62.10	20,6 - 23,8	135	200	50	80	40	6	9,05
38.62.20	20,6 - 23,8	135	250	50	80	40	6	9,15
38.62.30	20,6 - 23,8	135	330	50	80	40	6	9,30
38.63.10	23,9 - 25,8	135	200	50	80	40	6	9,03
38.63.20	23,9 - 25,8	135	250	50	80	40	6	9,12
38.63.30	23,9 - 25,8	135	330	50	80	40	6	9,28
38.64.10	25,9 - 28,1	135	200	50	80	40	6	9,00
38.64.20	25,9 - 28,1	135	250	50	80	40	6	9,10
38.64.30	25,9 - 28,1	135	330	50	80	40	6	9,25
38.65.10	28,2 - 30,4	135	200	50	80	40	6	8,98
38.65.20	28,2 - 30,4	135	250	50	80	40	6	9,07
38.65.30	28,2 - 30,4	135	330	50	80	40	6	9,23
38.66.10	30,5 - 32,9	135	200	50	80	40	6	8,96
38.66.20	30,5 - 32,9	135	250	50	80	40	6	9,05
38.66.30	30,5 - 32,9	135	330	50	80	40	6	9,20

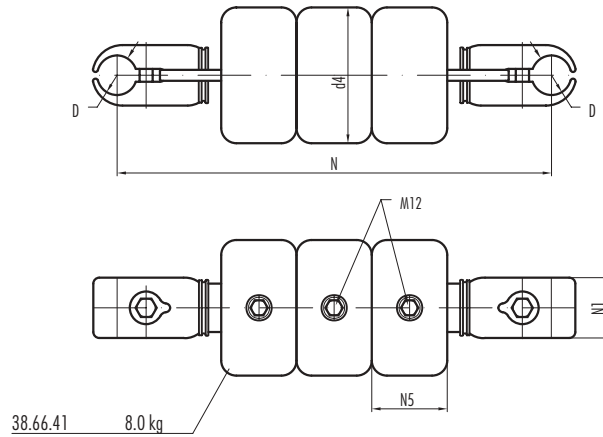
SUSPENSION AND JOINTING EQUIPMENT COMPONENTS

POLUKRUTI RASTOJNICI S UTEZIMA
za dva vodiča u snopu za strujni most

Za Al, Al - legura i Al - Fe vodiče

SEMI-RIGIDE SPACERS WITH WEIGHTS
for jumper terminal and twin bundle conductor

For AAC, AAAC and ACSR



Kataloški broj Catalogue number	Promjer vodiča Diameter D [mm]	Dimenzije Dimensions [mm]				Masa Mass [kg]
		d4	N	N1	N5	
38.61.40.F	17,5 - 20,5	135	400	50	80	25,47
38.61.50.F	17,5 - 20,5	135	450	50	80	25,57
38.62.40.F	20,6 - 23,8	135	400	50	80	25,44
38.62.50.F	20,6 - 23,8	135	450	50	80	25,54
38.63.40.F	23,9 - 25,8	135	400	50	80	25,41
38.63.50.F	23,9 - 25,8	135	450	50	80	25,51
38.64.40.F	25,9 - 28,1	135	400	50	80	25,40
38.64.50.F	25,9 - 28,1	135	450	50	80	25,49
38.65.40.F	28,2 - 30,4	135	400	50	80	25,36
38.65.50.F	28,2 - 30,4	135	450	50	80	25,46
38.66.40.F	30,5 - 32,9	135	400	50	80	25,34
38.66.50.F	30,5 - 32,9	135	450	50	80	25,45

POLUKRUTI RASTOJNICI

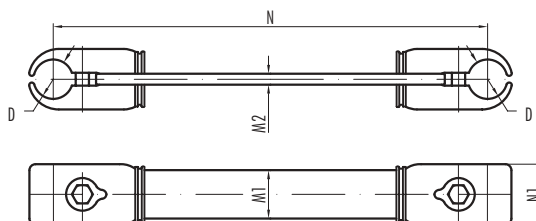
za dva vodiča u snopu za strujni most

Za Al, Al - legura i Al - Fe vodiče

SEMI-RIGIDE SPACERS

for jumper terminal and twin bundle conductor

For AAC, AAAC and ACSR



Kataloški broj Catalogue number	Promjer vodiča Diameter D [mm]	Dimenzije Dimensions [mm]				Masa Mass [kg]
		M1	M2	N	N1	
38.51.10.F	17,5 - 20,5	40	6	200	50	1,08
38.51.20.F	17,5 - 20,5	40	6	250	50	1,18
38.51.30.F	17,5 - 20,5	40	6	330	50	1,33
38.41.50.F	17,5 - 20,5	40	6	400	50	1,47
38.52.10.F	20,6 - 23,8	40	6	200	50	1,05
35.52.20.F	20,6 - 23,8	40	6	250	50	1,15
38.52.30.F	20,6 - 23,8	40	6	330	50	1,30
38.52.40.F	20,6 - 23,8	40	6	400	50	1,44
38.52.50.F	20,6 - 23,8	40	6	450	50	1,54
38.53.10.F	23,9 - 25,8	40	6	200	50	1,03
38.53.20.F	23,9 - 25,8	40	6	250	50	1,12
38.53.30.F	23,9 - 25,8	40	6	330	50	1,28
38.53.40.F	23,9 - 25,8	40	6	400	50	1,41
38.53.50.F	23,9 - 25,8	40	6	450	50	1,51
38.54.10.F	25,9 - 28,1	40	6	200	50	1,00
38.54.20.F	25,9 - 28,1	40	6	250	50	1,10
38.54.30.F	25,9 - 28,1	40	6	330	50	1,25
38.54.40.F	25,9 - 28,1	40	6	400	50	1,40
38.54.50.F	25,9 - 28,1	40	6	450	50	1,49
38.55.10.F	28,2 - 30,4	40	6	200	50	0,98
38.55.20.F	28,2 - 30,4	40	6	250	50	1,07
38.55.30.F	28,2 - 30,4	40	6	330	50	1,23
38.55.40.F	28,2 - 30,4	40	6	400	50	1,36
38.55.50.F	28,2 - 30,4	40	6	450	50	1,46
38.56.10.F	30,5 - 32,9	40	6	200	50	0,96
38.56.20.F	30,5 - 32,9	40	6	250	50	1,05
38.56.30.F	30,5 - 32,9	40	6	330	50	1,20
38.56.40.F	30,5 - 32,9	40	6	400	50	1,34
38.56.50.F	30,5 - 32,9	40	6	450	50	1,45

SUSPENSION AND JOINTING EQUIPMENT COMPONENTS

RASTOJNICI-PRIGUŠIVAČI

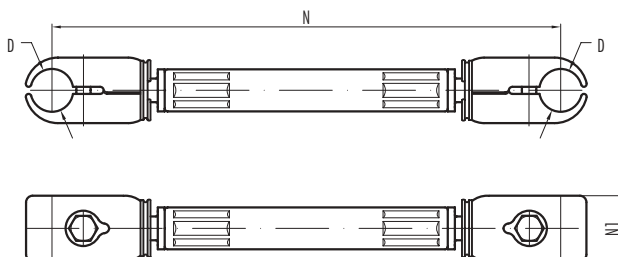
za dva vodiča u snopu

Za Al, Al - legura i Al - Fe vodiče

SPACER-DAMPERS

for twin bundle conductor

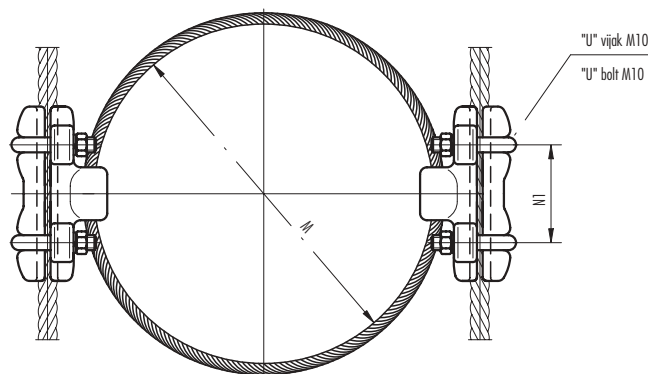
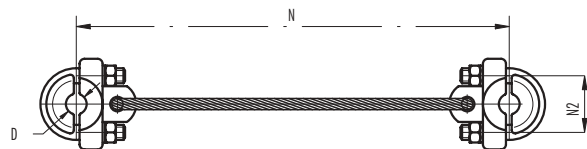
For AAC, AAAC and ACSR



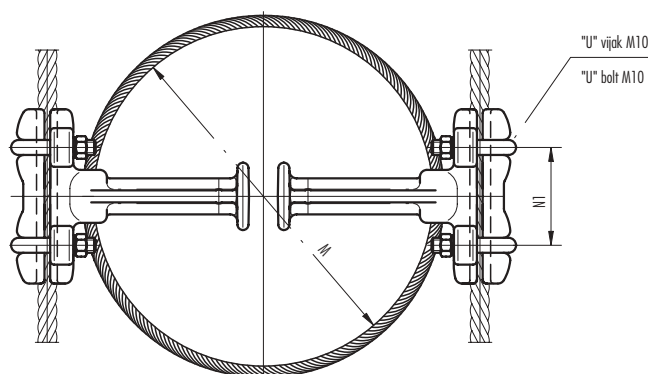
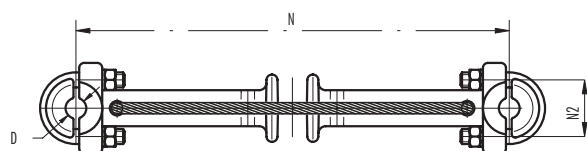
Kataloški broj Catalogue number	Promjer vodiča Diameter D [mm]	Dimenzije Dimensions N		Masa Mass [kg]
		N	N1	
43.38.89 A	19,91 - 21,30	400	50	1,30
43.38.90 A	21,31 - 23,70	400	50	1,30
43.38.91 A	23,71 - 25,10	400	50	1,30
43.38.92 A	25,11 - 26,50	400	50	1,40
43.38.93 A	26,51 - 27,90	400	50	1,40
43.38.94 A	27,91 - 29,30	400	50	1,40
43.38.95 A	29,31 - 30,70	400	50	1,40
43.38.96 A	30,71 - 32,10	400	50	1,45
43.38.97 A	32,11 - 33,50	400	50	1,55
43.38.98 A	33,51 - 34,90	400	50	1,55
43.38.99 A	34,91 - 36,30	400	50	1,60
43.38.100 A	36,31 - 37,70	400	50	1,60
43.38.101 A	37,71 - 39,10	400	50	1,60
43.38.89 B	19,91 - 21,30	450	50	1,35
43.38.90 B	21,31 - 23,70	450	50	1,35
43.38.91 B	23,71 - 25,10	450	50	1,35
43.38.92 B	25,11 - 26,50	450	50	1,45
43.38.93 B	26,51 - 27,90	450	50	1,45
43.38.94 B	27,91 - 29,30	450	50	1,45
43.38.95 B	29,31 - 30,70	450	50	1,45
43.38.96 B	30,71 - 32,10	450	50	1,50
43.38.97 B	32,11 - 33,50	450	50	1,60
43.38.98 B	33,51 - 34,90	450	50	1,60
43.38.99 B	34,91 - 36,30	450	50	1,65
43.38.100 B	36,31 - 37,70	450	50	1,65
43.38.101 B	37,71 - 39,10	450	50	1,65

ELASTICNI RASTOJNICI za dva vodiča

Za Al, Al-legura i Al-Fe vodiče



Kataloški broj Catalogue number	Promjer vodiča Diameter D mm	N	Dimenzije Dimensions M N1 N2 mm			Masa Mass kg
			38.22.50	17 - 30	330	



Kataloški broj Catalogue number	Promjer vodiča Diameter D mm	N	Dimenzije Dimensions M N1 N2 mm			Masa Mass kg
			38.22.60	17 - 30	330	

SUSPENSION AND JOINTING EQUIPMENT COMPONENTS

ELASTIČNI RASTOJNICI

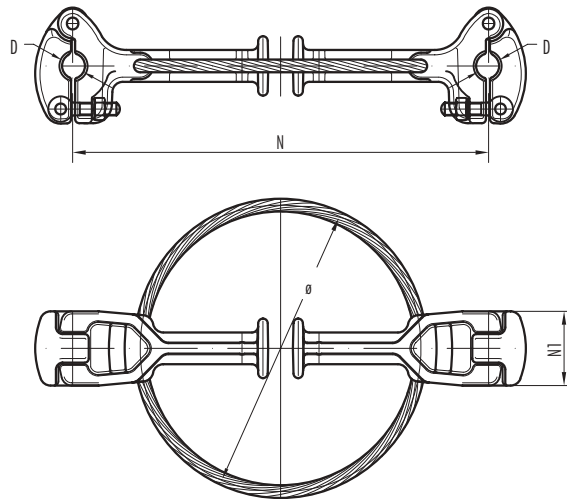
za dva vodiča u snopu

Za Al, Al - legura i Al - Fe vodiče

FLEXIBLE SPACERS

for twin bundle conductor

For AAC, AAAC and ACSR



Kataloški broj Catalogue number	Promjer vodiča Diameter D [mm]	Dimenzije Dimensions [mm]			Masa Mass [kg]
		N	ø	N1	
38.31.40	17,5 - 20,5	400	270	70	3,20
38.31.50	17,5 - 20,5	450	320	70	3,38
38.32.40	20,6 - 23,8	400	270	70	3,17
38.32.50	20,6 - 23,8	450	320	70	3,17
38.33.40	23,9 - 25,8	400	270	70	3,15
38.33.50	23,9 - 25,8	450	320	70	3,33
38.34.40	25,9 - 28,1	400	270	70	3,12
38.34.50	25,9 - 28,1	450	320	70	3,30
38.35.40	28,2 - 30,4	400	270	70	3,09
38.35.50	28,2 - 30,4	450	320	70	3,27
38.36.40	30,5 - 32,9	400	270	70	3,06
38.36.50	30,5 - 32,9	450	320	70	3,24
38.37.60	32,9 - 34,5	500	373	70	3,80
38.38.40	34,5 - 36,0	400	270	70	3,60

POLUKRUTI RASTOJNICI

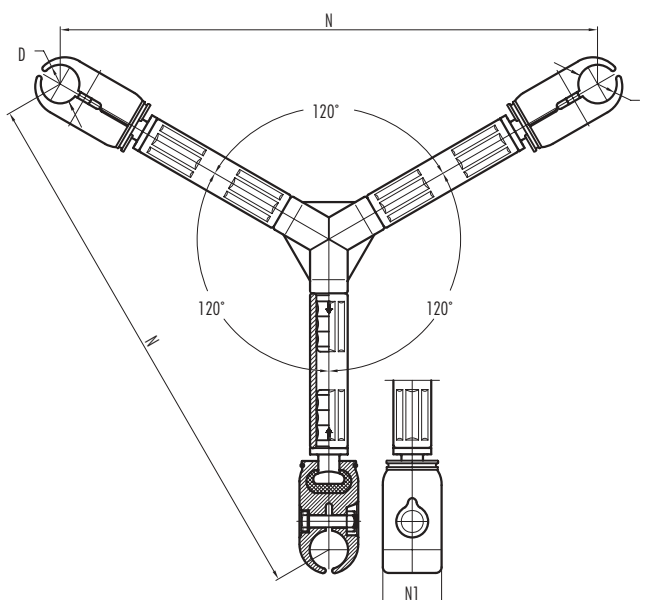
za tri vodiča u snopu

Za Al, Al - legura i Al - Fe vodiče

SEMI-RIGIDE SPACERS

for triple bundle conductor

For AAC, AAAC and ACSR



Kataloški broj Catalogue number	Promjer vodiča Diameter D [mm]	Dimenzije Dimensions [mm]		Masa Mass [kg]
		N	N1	
43.38.84	21,31 - 23,70	450	50	2,55
43.38.85	23,71 - 25,10	450	50	2,55
43.38.86	25,11 - 26,50	450	50	2,55
43.38.87	26,51 - 27,90	450	50	2,55
43.38.88	27,91 - 29,30	450	50	2,60
43.38.89	29,31 - 30,70	450	50	2,60
43.38.90	30,71 - 32,10	450	50	2,60
43.38.91	32,11 - 33,50	450	50	2,65
43.38.92	33,51 - 34,90	450	50	2,65
43.38.93	34,91 - 36,30	450	50	2,65
43.38.94	36,31 - 37,70	450	50	2,70
43.38.95	37,71 - 39,10	450	50	2,70
43.38.84 AB	21,31 - 23,70	400	50	2,50
43.38.85 AB	23,71 - 25,10	400	50	2,50
43.38.86 AB	25,11 - 26,50	400	50	2,50
43.38.87 AB	26,51 - 27,90	400	50	2,50
43.38.88 AB	27,91 - 29,30	400	50	2,55
43.38.89 AB	29,31 - 30,70	400	50	2,55
43.38.90 AB	30,71 - 32,10	400	50	2,55
43.38.91 AB	32,11 - 33,50	400	50	2,60
43.38.92 AB	33,51 - 34,90	400	50	2,60
43.38.93 AB	34,91 - 36,30	400	50	2,60
43.38.94 AB	36,31 - 37,70	400	50	2,65
43.38.95 AB	37,71 - 39,10	400	50	2,65

SUSPENSION AND JOINTING EQUIPMENT COMPONENTS

PRIGUŠIVAČI VIBRACIJA

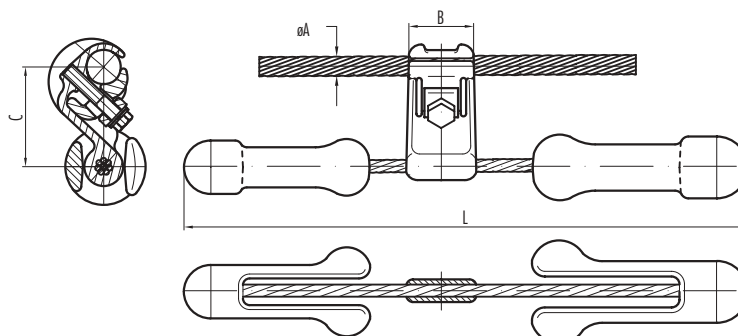
TIP STOCKBRIDGE

Za Al, Al - legura i Al - Fe vodiče, AW i čelična zaštitna užeta

VIBRATION DAMPERS

TYPE STOCKBRIDGE

For AAC, AAAC, ACSR, AW and steel earth wires



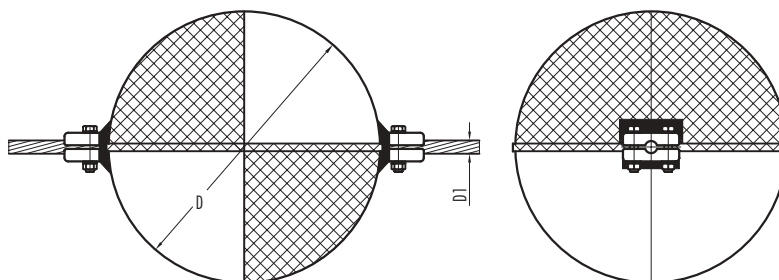
Kataloški broj	Promjer vodiča	Dimenzije			Vijak	Moment pritezanja	Min. sila izvlačenja	Masa
Catalogue number	Conductor	Dimensions			Bolt	Tightening moment	Slipping strength	Mass
	[mm]	[mm]			M	Nm	N	[kg]
	øA	L	B	C	mm			
TYPE I								
66.01.90	6,61 - 9,90	310	48	60	M8	15	1200	1,03
66.10.90	8,31 - 15,00	400	50	71	M10	20	1400	1,95
66.20.90	12,01 - 17,80	400	52	74	M12	35	2000	2,00
66.30.90	15,01 - 21,00	450	52	74	M12	35	2000	3,00
66.40.90	17,81 - 24,60	500	58	90	M14	53	3000	4,20
66.50.90	21,01 - 29,00	500	58	90	M14	53	3000	5,20
66.60.90	24,61 - 33,00	520	60	100	M16	83	4000	5,80
66.70.90	29,01 - 36,00	565	60	100	M16	83	4000	7,10
TYPE II								
66.05.90	6,61 - 9,90	310	48	60	M8	15	1200	1,03
66.15.90	8,5 - 15,0	419	50	71	M10	20	1400	1,95
66.35.90	13,0 - 18,0	445	52	74	M12	35	2000	2,40
66.30.90.7	22,0 - 25,50	445	52	90	M14	53	3000	3,20
66.45.90	17,0 - 25,0	478	58	90	M14	53	3000	3,10
66.55.90	19,0 - 30,0	485	58	90	M14	53	3000	3,70
66.65.90	23,0 - 35,0	563	60	100	M16	83	4000	4,75
66.75.90	27,0 - 43,0	591	60	100	M16	83	4000	5,75

KUGLE ZA OBILJEŽAVANJE

Za zaštitna užeta

AIRCRAFT WARNING SPHERES

For earth wires



Kataloški broj Catalogue number	Promjer vodiča For conductor diameter D1 [mm]	Kugla Sphere D [mm]	Masa Mass [kg]
43.07.11.30	max. 9	600	8,40
43.07.11.40	9,10 - 11,25	600	8,90
43.07.11.50	11,26 - 13,50	600	8,90
43.07.11.60	13,51 - 15,75	600	9,00
43.07.11.70	15,76 - 18,00	600	9,00
43.07.11.80	18,01 - 20,25	600	9,10
43.07.11.90	20,26 - 22,50	600	9,20
43.07.21.20	22,00 - 24,25	600	9,20
43.07.21.30	24,26 - 26,50	600	9,25
43.07.21.40	26,51 - 28,75	600	9,25
43.07.11.50	28,76 - 31,00	600	9,30
43.07.21.60	31,01 - 33,25	600	9,30
43.07.21.70	33,26 - 35,50	600	9,35
43.07.22.20	35,30 - 37,55	600	9,40
43.07.22.30	37,56 - 39,80	600	9,40
43.07.22.40	39,81 - 42,05	600	9,45
43.07.22.50	42,06 - 44,31	600	9,45
43.07.22.60	44,32 - 46,55	600	9,50
43.07.22.70	46,56 - 48,80	600	9,50
43.07.22.80	48,81 - 51,01	600	9,50



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