

elearning

CHENDANE ENERGIAD

Seotud projektiga:

330/110 kV Tartu-Sindi õhuliiniehitus,
II ehitusetapp, Oiu - Viljandi

Joonise nimi

OPGW kandekinnitus

Joonise number

KPL1010-K2.2-08.01 T J

Sidus

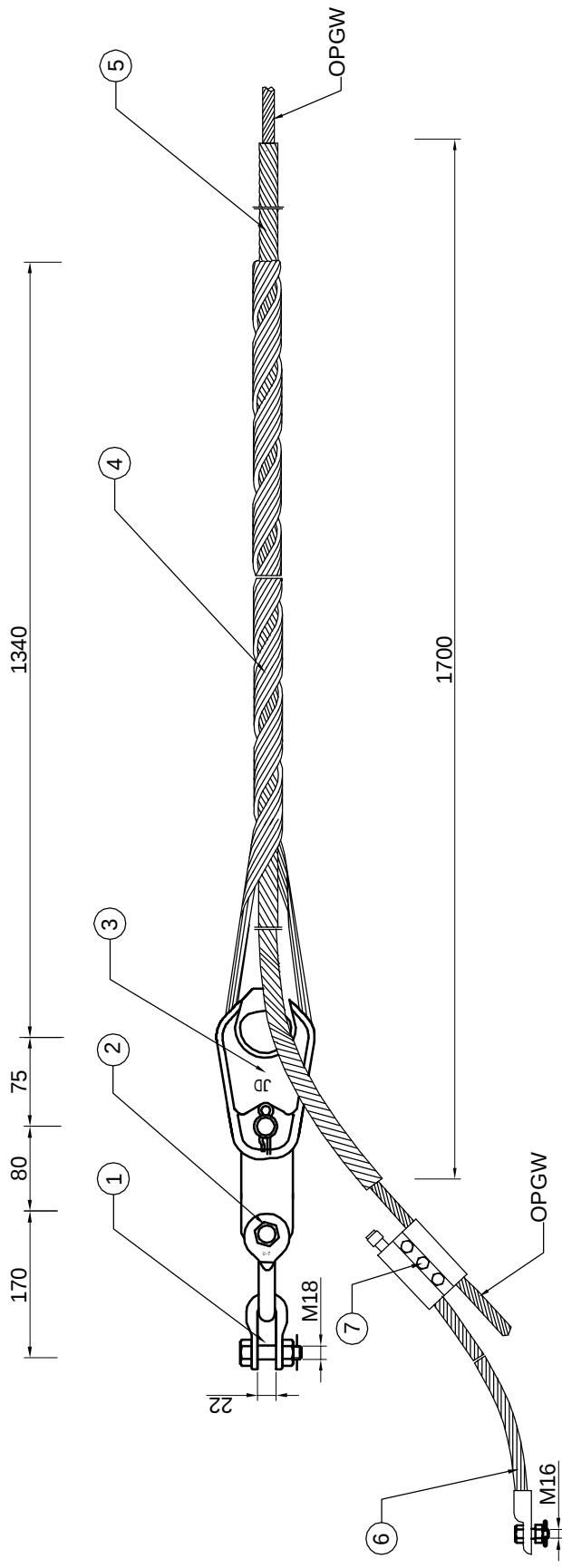
L.Jürjan 26.11.12

Note:

- 1.Min. vertical failing load 70kN.
- 2.All ferrous parts are hot-dip galvanized.
- 3.All dimensions are in millimeters.

5b	1	Grounding wire	GWA-2000-95	Aluminum
5a	1	Parallel groove	JB	Aluminum alloy
4c	1	Bolt, Nut		Galv.steel
4b	1	Elastometer Insert Clamp	XJ	EPDM
4a	1	Cast Aluminium Clamp	ZL	Aluminum alloy
3	1	Eye Links	ZH-7	Galv.steel
2	1	Shackle	U-7	Galv.steel
1b	1	Out rods	OCW	Aluminum alloy
1a	1	Structural Reinforcing Rods	OCN	Aluminum alloy
ITEM	QTY.	DESCRIPTION	REF.NO	MATERIAL

General Tolerance			OPGW Suspension Assembly TYPE: OC-0600-1320		
<=30	±1.5mm	ANGLE:	Jiangdong Fittings Equipment Co.,Ltd.		
>30	±5%	±			
Max	±5mm				
Drawing	ANDY.Z	2010-8-11	Mass	Scale	NTS
Checked	Z.L.XU	2010-8-11	JSF-13062-1 REV A		
Approved	F.TAO	2010-8-11			



Note:

- 1. Holding Strength: 95% RTS OF OPGW.
- 2. All ferrous parts are hot-dip galvanized.
- 3. All dimensions are in millimeters.

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EMPOWER		Joonise nimi		OPGW tõmbekinnitus	
		Joonise number		KPL1010-K2.2-08.02 TJ	
				L.Jürjan 26.11.12	
				Sildus	
				OPGW Tension Assembly	
				TYPE: ON-090-1320	
				Jiangdong Fittings Equipment Co.,Ltd.	
				Mass	
				Scale	
				NTS	
				JVSF-13062-2	
				REV	
				A	

General Tolerance		ANGLE:	
<=30	±1.5mm	>30	±5%
Max	±5mm		
Drawing	ANDY.Z	2010-8-11	
Checked	Z.L.XU	2010-8-11	
Approved	F.TAO	2010-8-11	

7	1	Parallel Groove Clamp	JB	Aluminium Alloy
6	1	Grounding Wire	GWA-2000-95	Aluminium
5	1	Structural Reinforcing Rods	ONN	Al.-Clad Steel Wire
4	1	Dead-End Component	ONW	Al.-Clad Steel Wire
3	1	Thimble Clevis	TC-12	Galv.Cast.Iron
2	1	Strap	PD-10	Galv.Steel
1	2	Shackle	U-10	Galv.Steel
ITEM	QTY.	DESCRIPTION	REF.NO	MATERIAL



中天科技

Seotud projektiga:

330/110 kV Tartu-Sindi õhuliiniiehitus, II ehitusetapp, Oiu - Viljandi

Joonis nim:

OPGW vibrosummuti

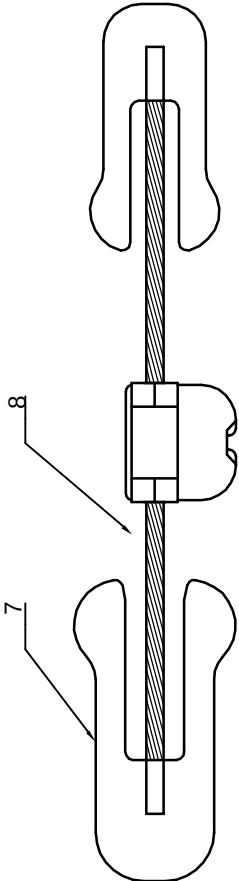
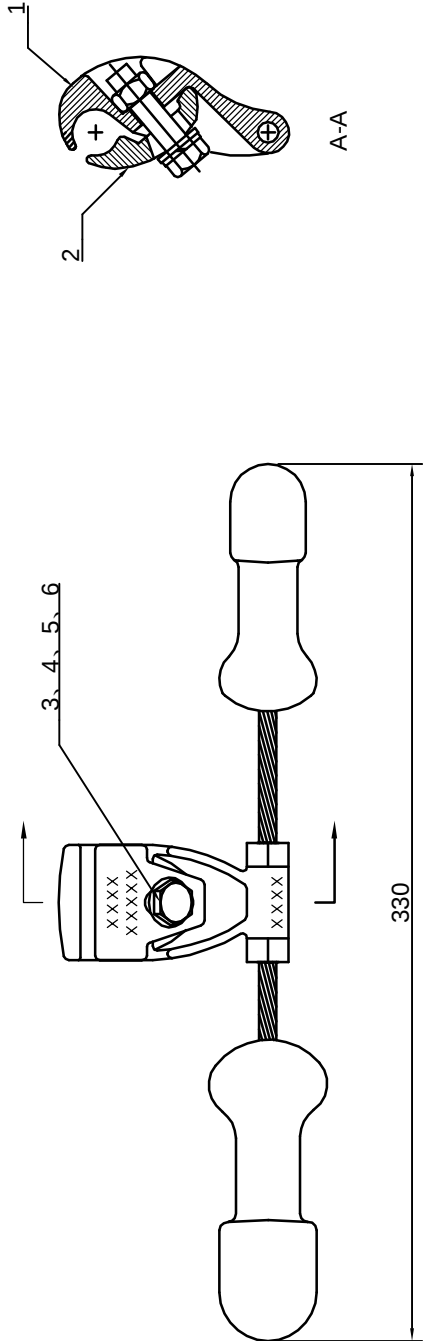
Joonis number

KPL1010-K2.2-08.03 T.J.L.Jürjan 26.11.2012

elering

QHENDAWE ENERGY

EMPOWER



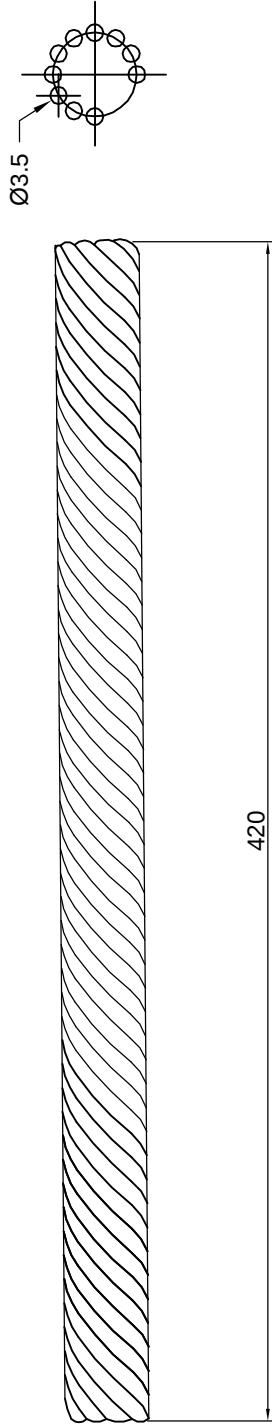
Note:

1. Counter weight is for hot-dip galvanizing, and the thickness of zinc coating is not less than 86µm;

2. Dimensions are in mm.

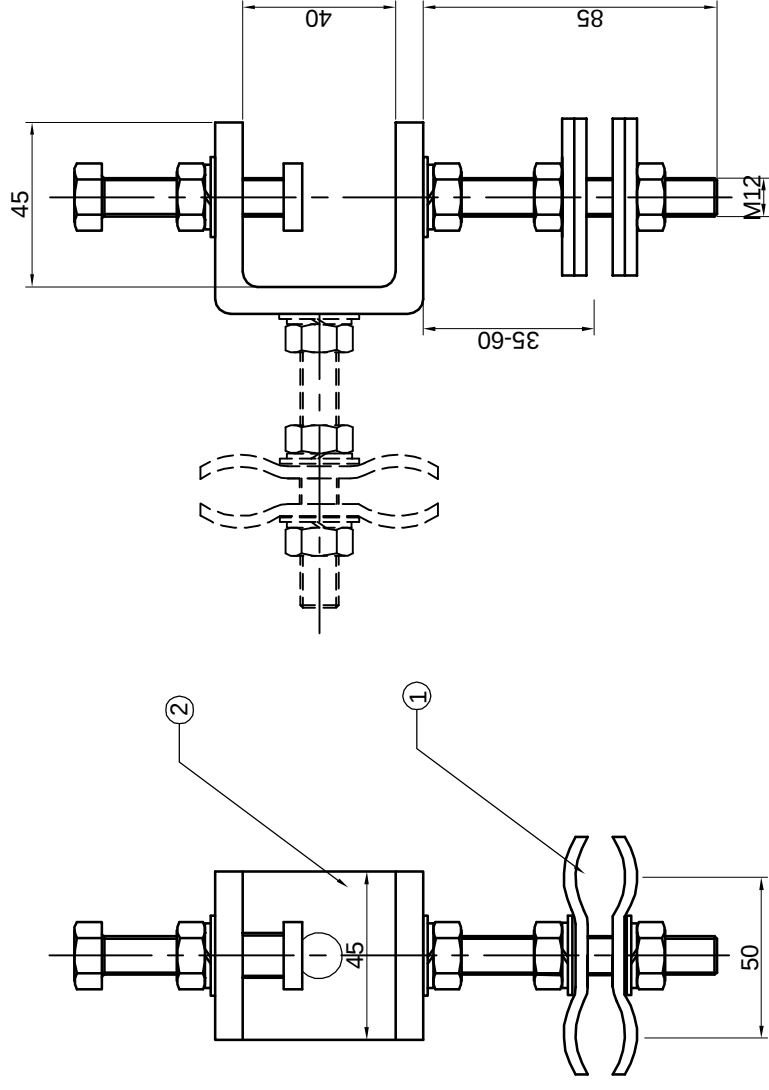
8	Steel conductor	1X19	
7	Counter Weight	4D-20/1-2	Cast iron
6	Spring washer	Ø10	Galv. Steel
5	Flat plate	Ø10	Galv. Steel
4	Hex. Nut	M10	Galv. Steel
3	Hex. Bolt	M10X50	Galv. Steel
2	Clamp body		Al alloy
1	Clamp body	4D-20	Al alloy
Item	Description	Cat. No.	Material

中天科技 ZTT				Jiangdong Fittings Equipment Co.,Ltd.	
General Tolerance		Vibration damper Type:4D-20		Jiangdong Fittings Equipment Co.,Ltd.	
<=30	±1.5mm	ANGLE:		Mass	Scale
>30	±5%	±		JSF-6001	REV
Max	±5mm				NTS
Drawing	ANDY.Z	2010-8-11			A
Checked	Z.L.XU	2010-8-11			
Approved	F.TAO	2010-8-11			



elearning SHENDANG ENERGY EMPOWER SHENDANG ENERGY	Seotud projektiga: 330/110 kV Tartu-Sindi õhuliniehitus, II ehitusetapp, Oiu - Viljandi	
	Joonise nimi	OPGW vibrosummuti alusside
	Joonise number	KPL1010-K2.2-08.04 TJ
General Tolerance		Side number L.Jürjan 26.11.12
<=30	±1.5mm	Armor rods for vibration damper TYPE:HXT-420-1320
>30	±5%	
Max	±5mm	
Drawing	ANDY.Z	2010-8-11
Checked	Z.L.XU	2010-8-11
Approved	F.TAO	2010-8-11
Jiangdong Fittings Equipment Co.,Ltd.		Mass
		Scale
		NTS
		JSF-6002
		REV
		A

Note:
1.Material: aluminium alloy;
2.All dimensions are in millimeters.

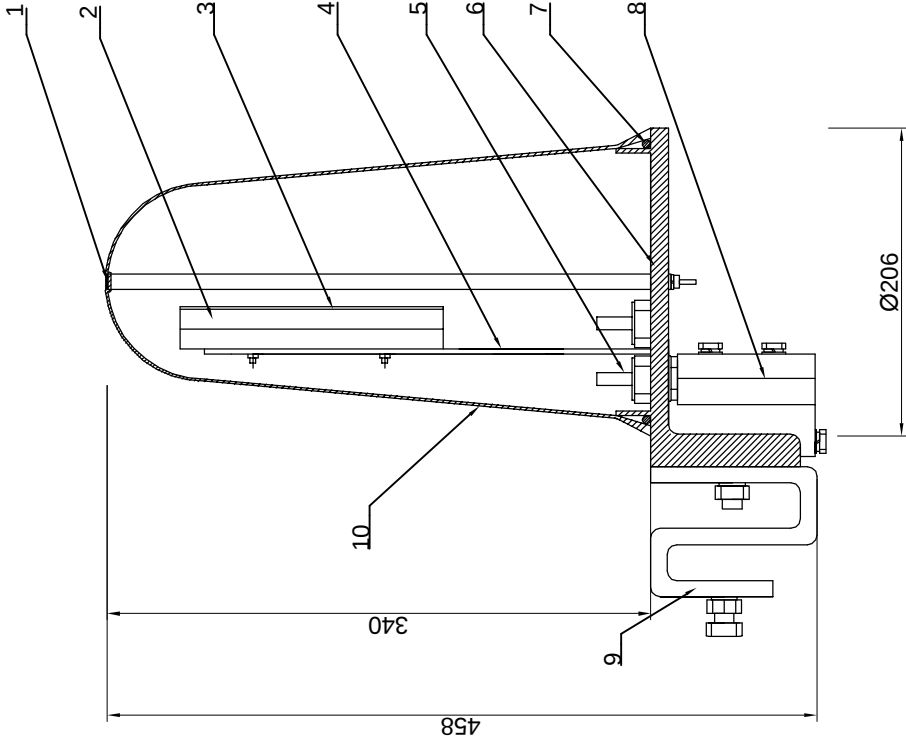


NOTE:
1.1-2 CABLES MAY BE FIXED.
2.INSTALLING DIRECTION MAY BE ADJUSTABLE.

ITEM	QTY.	DESCRIPTION	REF.NO	TOWER CLAMP	TJ-5	GALV. STEEL
1		DOWNLEAD CUSHION				STEEL

elering OHENDANE ENERGIAD  EMPOWER	Seotud projektiga:		330/110 kV Tartu-Sindi õhuliiniehitus, II ehitusetapp, Oiu - Viljandi				
	Joonise nimi		OPGW kinnitusklaambrid				
	Joonise number		KPL1010-K2.2-08.05 TJ		L.Jürjan 26.11.12		
General Tolerance		OPGW Downlead clamp for Lattice Tower TYPE:OYT		 ZTT 中天科技			
<=30	±1.5mm	Jiangdong Fittings Equipment Co.,Ltd.		Mass	Scale	NTS	
30	±5%			JSF-6003		REV	A
Max	±5mm						
wing	ANDY.Z						
checked	Z.L.XU						
proved	F.TAO						
	2010-8-11						
	2010-8-11						
	2010-8-11						

Note:
1.Fiber additional attenuation:≤0.01dB;
2.Fiber bending radius:≥30mm;
3.Retaining fiber length:≥1.6m;
4.Tensile and resistance:≥2000N/100mm;
5.Environment temperature:－40℃~+65℃;
6.All dimensions are in millimeters;



elearning OHENDAME ENERGY EMPOWER		Seotud projektiga:		330/110 kV Tartu-Sindi õhuliiniehitus, II ehitusetapp, Oiu - Viljandi	
		Joonise nimi		OPGW jätkukarp	
		Joonise number		KPL1010-K2.2-08.06 TJ	
		Sidus		L.Jürjan 26.11.12	
General Tolerance ANGLE: ± <=30 >30 Max ±1.5mm ±5% ±5mm		JOINT CLOSURE FOR OPGW-OPGW-OPGW-OPGW ON Lattice TOWER TYPE:PTKO40T-48D		中天 ZTT 中天科技	
		Drawing		ANDY.Z	2010-8-11
		Checked		Z.L.XU	2010-8-11
		Approved		F.TAO	2010-8-11
		Jiangdong Fittings Equipment Co.,Ltd.		Mass	Scale
JJSF-6040		REV		A	

10	1	Joint box cover		Al-alloy
9	1	"S" tighten steel		Galv.steel
8	1	Front and back clips outside the box (including optical cable filling piece)		Al-alloy
7	1	Joint box body's seal ring		Rubber
6	1	Joint box body		Die-casting al-alloy
5	2-4	Adapter		Al-alloy
4	1	Tray sheet tighten tray support		Stainless steel
3	1	Fiber coiling sheet cover		Plastic
2	1-4	Fiber coiling sheet		Plastic
1	1	Top lock ribbon		Stainless steel
ITEM	QTY.	DESCRIPTION	REF.NO	MATERIAL

10	1	Joint box cover		Al-alloy
9	1	"S" tighten steel		Galv.steel
8	1	Front and back clips outside the box (including optical cable filling piece)		Al-alloy
7	1	Joint box body's seal ring		Rubber
6	1	Joint box body		Die-casting al-alloy
5	2-4	Adapter		Al-alloy
4	1	Tray sheet tighten tray support		Stainless steel
3	1	Fiber coiling sheet cover		Plastic
2	1-4	Fiber coiling sheet		Plastic
1	1	Top lock ribbon		Stainless steel
ITEM	QTY.	DESCRIPTION	REF.NO	MATERIAL