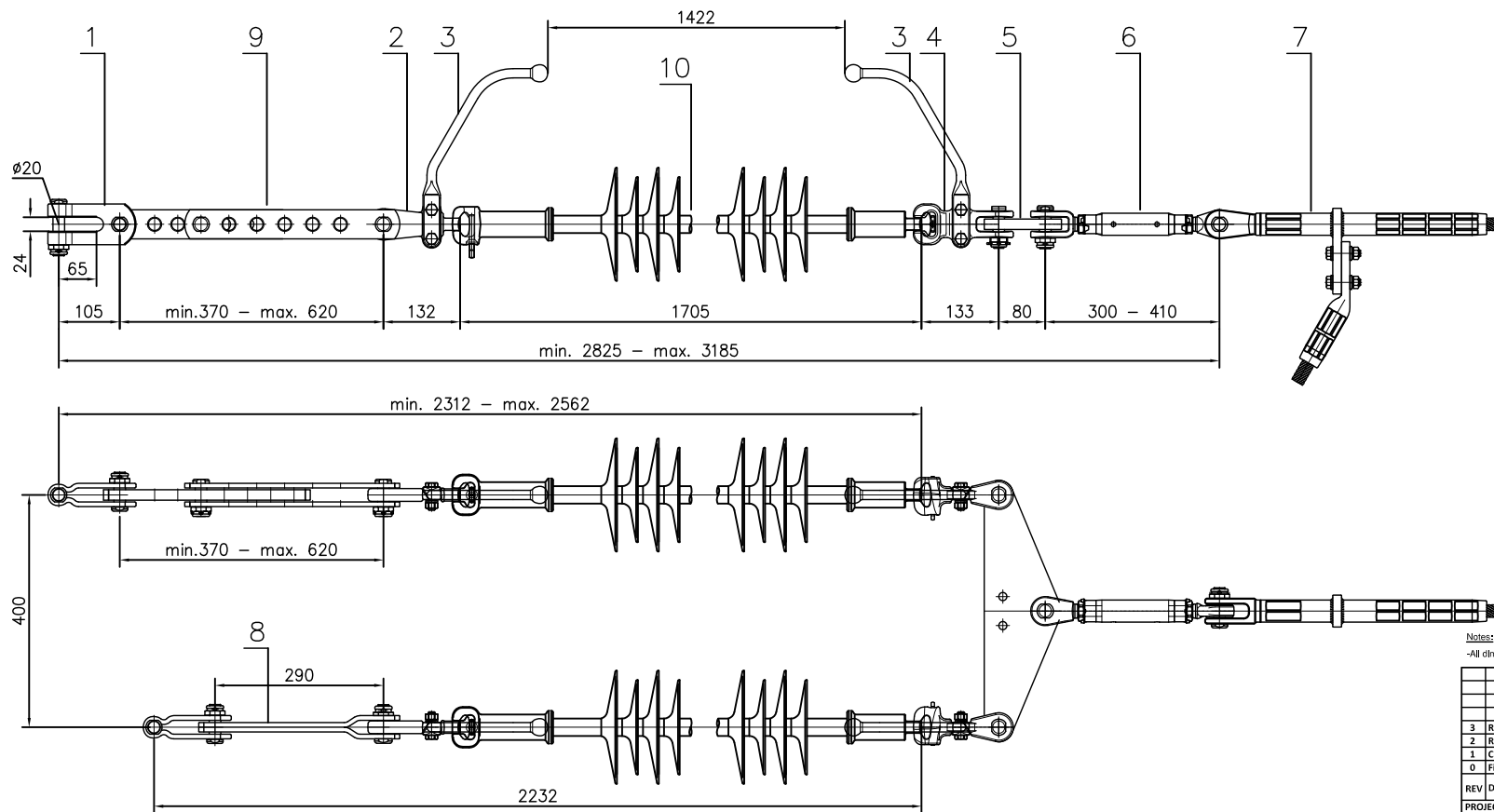




Notes:

-All dimensions are in millimetres.

REV	DESCRIPTION/	DATE	BY
3	Revised	6.7.22.	D. Mikanec
2	Revised	12.4.22.	D. Mikanec
1	Changed MBS of Item 4	22.03.22.	D. Mikanec
0	First Submission	19.03.22.	S. Maric

PROJECT NAME Open Programme Extension of the Transmission Network II BMZ No. 2015 68 286 Contract Identification No. KPW/DSI/OHL-TD-Lot 2	
EMPLOYER JSC Georgian State Electrosystem (GSE) Baratashvili Street, Tbilisi, Georgia, 0105 info@gse.com.ge	
ENGINEER Fichtner GmbH & Co. KG Sanveysstrasse 370191 Stuttgart / Germany info@fichtner.de	
CONTRACTOR Mitas Energy and Metal Constuction Inc. Eski Güvercinlik Yolu No: 113 - Gazl - Ankara / Turkey info@mitastower.com	
VENDOR Proizvodnja OSO Ltd. Vukomerička 9, 10410, Velika Gorica / Croatia product.dal@dalekovod.hr	
VENDOR IDENTIFICATION NUMBER / TITLE DZ.110.700 / 110 kV Double Tension Set for conductor ACSR 240/56; Ø22.4 mm; Zone 1 (>1500 m)	

Dry lightning impulse withstand voltage: 805 kV
Wet power frequency withstand voltage: 400 kV
Creepage distance: 4580 mm
Short-circuit current level: 25 kA/s

Minimum breaking strength (without tension clamp) 160 kN
Line voltage 110 kV
Conductor ACSR 240/56 mm², Ø22.40 mm
d. f. s. – drop forged steel
h. d. g. – hot dip galvanised
Standard coupling according to IEC 120/20

10	Insulator	2	E01139DD			
9	Adjustable extens. link	1	43.26.24.8CA	160 kN	steel	h. d. g.
8	Extension link	1	26.112.3F	160 kN	steel	h. d. g.
7	Compr. dead end clamp	1	50.55.13.02	N. A.	al. alloy	
6	Turnbuckle	1	25.97.966.2	160 kN	steel	h. d. g.
Item	Description	Pcs.	Catalogue no.	M.B.S.	Material	Note

5	Yoke	1	43.29.13.70.4A	160 kN	steel	h. d. g.
4	Socket clevis	2	24.87.80	210 kN	d. f. s.	h. d. g.
3	Arcing horn	4	41.16.25	N. A.	steel	h. d. g.
2	Ball tongue	2	23.59.20	160 kN	d. f. s.	h. d. g.
1	Hinge	2	69.70.105.2	160 kN	steel	h. d. g.
Item	Description	Pcs.	Catalogue no.	M.B.S.	Material	Note
Mass : 31.55 kg (without insulators)		11.01.2022.	Signature	Substitute for :		
Design by : D. Mikanec		Checked by : A. Dogasevic		Catalogue number : DZ.110.700		
Approved by : D. Mikanec		Title :		DOUBLE TENSION SET		
Revision 3		SCALE		PAGE SIZE		DOC NO.
N.A.		7145A07-P0-HFT-DWG-2525		REV.		PAGE
3		3		1/1		

APPROVAL AREA		STATUS		STAMP		
REVIEWED BY	D. Mikanec	AP	☐			
DATE OF REVIEW	12.4.2022.	AC	☐			
APPROVED BY	D. Mikanec	NA	☐			
CHECKED BY	A. Dođašević	TITLE				
DESIGNED BY	D. Mikanec	110 kV - Zone 1 - Tension Sets - Drawing				
DRAWN BY	S. Marić					
DATE OF ISSUE	16.3.2022.					
SCALE	PAGE SIZE	DOC NO.			REV.	PAGE
N.A.		7145400-PO-HFT-DWG-2525			3	1/1