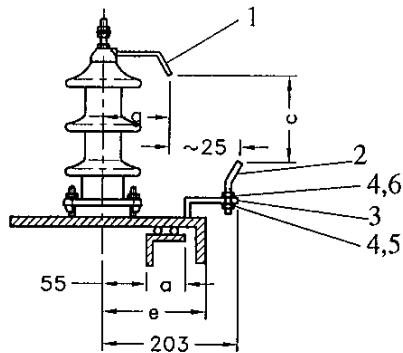


Vertical arrangement



630 A

Oblique arrangement

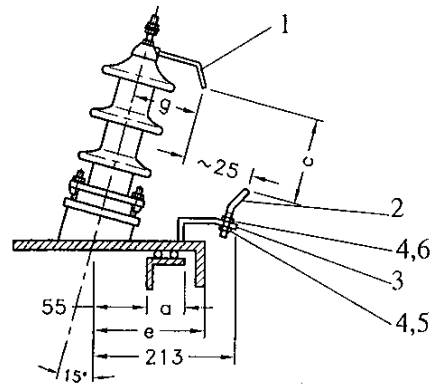


Table 1

Holder ( part 3 ) is welded on cover. (Δ3)

Type	Indoor outdoor												Designation	
	Qty for each bushing												Description	abbreviation
	10Ni	20Ni	30Ni	10Nf	20Nf	30Nf								
Performance according to table 2	E	E	F	E	F	E	F	E	F	E	F			
Position No.	1	1	1	1	1	-	-	-	-	-	-	Top arcing horn	K1 (DIN 42532)	
		-	-	-	-	-	1	1	1	1	-		-	K2 (DIN 42532)
		-	-	-	-	-	-	-	-	-	1		1	K3 (DIN 42532)
	2	1	1	-	1	-	-	1	-	1	-	1	Bottom arcing horn	C1 ( ND 0H 01 012 )
		-	-	-	-	-	1	-	1	-	-	-		C2 ( ND 0H 01 012 )
		-	-	-	-	-	-	-	-	-	1	-		C3 ( ND 0H 01 012 )
		-	-	1	-	-	-	-	-	-	-	-		C4 ( ND 0H 01 012 )
		-	-	-	-	1	-	-	-	-	-	-		C5 ( ND 0H 01 012 )
	3	1	1	1	1	1	1	1	1	1	1	holder	Refer to table 2	
	4	2	2	2	2	2	2	2	2	2	2	Hex. Nut	M12 DIN934(DIN EN ISO 8673), A2-70	
	5	1	1	1	1	1	1	1	1	1	1	Conical spring washer	B12 DIN6796 ,A2-70	
	6	1	1	1	1	1	1	1	1	1	1	Washer	Ø 13 DIN125 ,A2-70	
Arcing horn span according to DIN42532	c	85	155	220	85	155	220							
	g	165				180			200					


Valid only for altittute less than 1000 m above sea level , upward refer to VDE 0532

Table 2

Performance according to table 2	holder for	Tank frame a	Distance e	abbreviation of arcing horn holder
E	Vertical arrangement	70	140	A87 (ND 0H 01 012)
		50	117	A107 (ND 0H 01 012)
	Oblique arrangement	70	140	B64 (ND 0H 01 012)
		50	117	B84 (ND 0H 01 012)
F	Vertical arrangement	70	-	D40 (ND 0H 01 012) <sup>3</sup>
			-	D55 (ND 0H 01 012) <sup>3</sup>

Attachments:

Substituted of: ITN 200.038(3/4)

Index	Mod.No.	Date	Modifications	Signature	Title: Arcing horn arrangement for bushings 10 to 30 kV according to DIN 42531 Ordered by:
Tolerance:	Group:	Applied by:	Asadi	Drawing Identification:	ITRI - R11
Scale: --		Check by:		Drawing No.:	ND 0H 01-012
 شرکت ترانسفورماتور توزیع زندگان ZANGAN DISTRIBUTION TRANSFORMER CO.		Approved by:	Karamzadeh	Date:	1398/12/08
				Page.Count No.:	Page No.:
				1+	

# Arcing horn

# 630 A

**Designation :** C2 ND 0H 01 012

**material :** X8 Cr Ni S18-9 DIN 17440

**Raw material :** Rd 12 DIN 668

**Legend :** C2 is ( type of form )

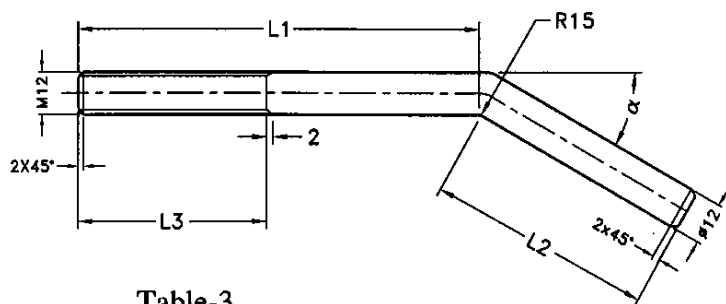


Table-3

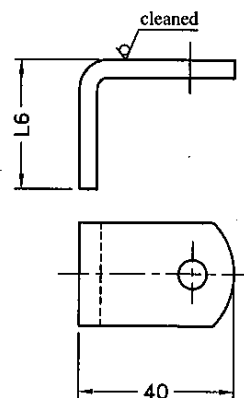
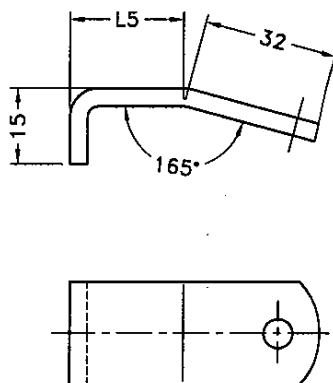
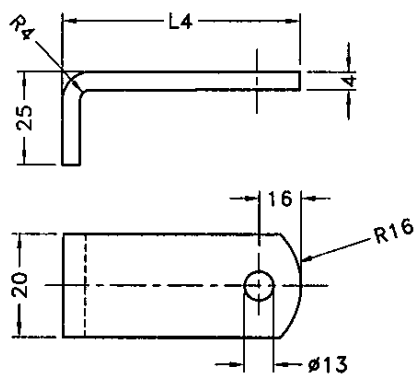
Position No.	Arcing horn	L1	L2	L3	$\alpha$	Stretched Length	Production procedure
1	DIN 42532	K1 120	15	25	60°	146	Thread rolling
		K2 115	52			178	
		K3 122	82			215	
2	ND 0H 01 012	C1 99	18	80	20°	121	
		C2 119		73		141	
		C3 109	51	62	30°	166	
		C4 77	10	35		93	
		C5 87		45		103	

holder (part 3)

Form A

Form B

Form D



Other dimensions same as ( type A ) form

holder	L <sub>4</sub>	L <sub>5</sub>	L <sub>6</sub>	Stretched Length
A	87	-	-	105
	107	-	-	125
B	-	64	-	104
	-	84	-	124
D	-	-	40	-
	-	-	55	-

**Designation example :** Holder A87 ND 0H 01 012

**Legend :** A is the type of form

L<sub>4</sub>=87 is the length

**Material :** Ust . 37-2 according to DIN 1652

**Raw material :** St.Sheet DIN 1543 (DIN EN 10029)- Ust.37-2-4

**Uncertain tolerances according to DIN ISO 2768 ( g )**

2) For indoor

3) For outdoor

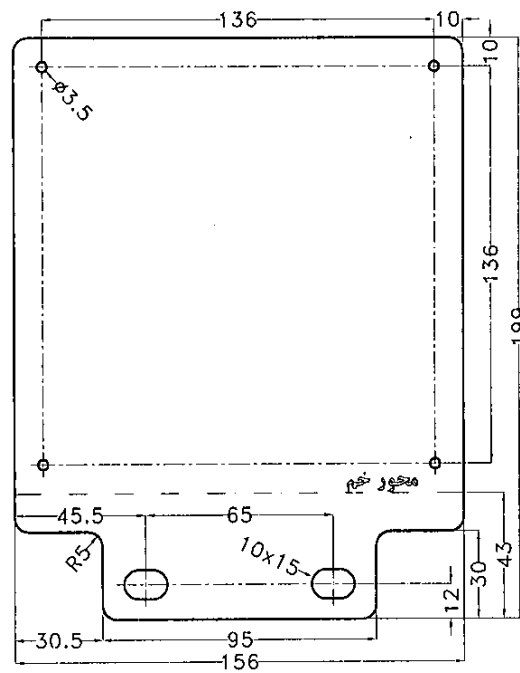
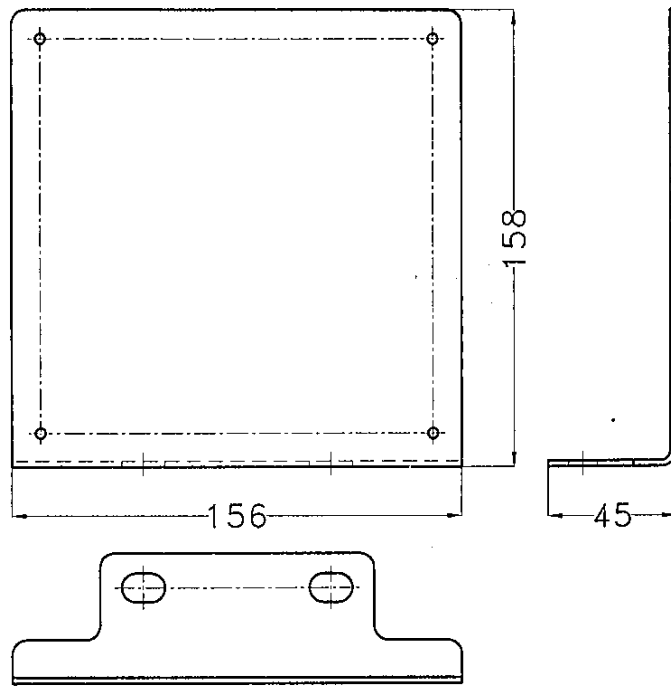
Index	Mod.No.	Date	Modifications	Signature	Title:	
					Arcing horn and holder	
					Ordered by:	
Tolerance:		Group:		Applied by:	Drawing Identification:	
Scale: --				Aghajanloo	I T R I - - R 1 1	
				Check by:	Drawing No.:	
				Asadi	ND 0 H 0 1 - 0 1 2 -	
				Approved by:	Date:	Page.Count No.:
					1393/12/03	Page No.:



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Nr .1

Uncertain tolerances according to DIN ISO 2768-m

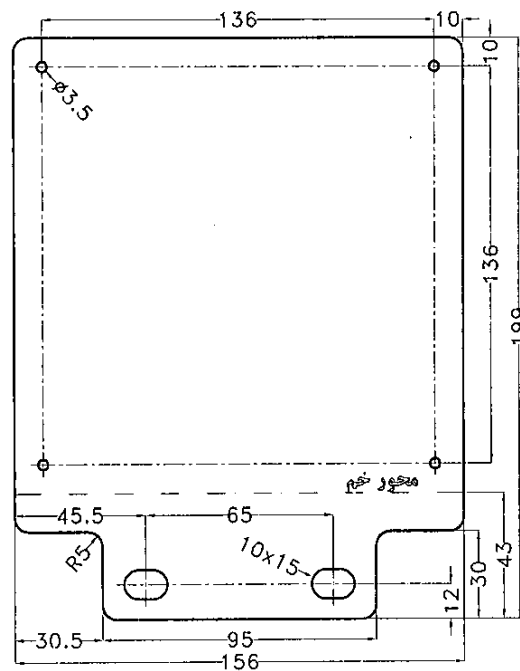
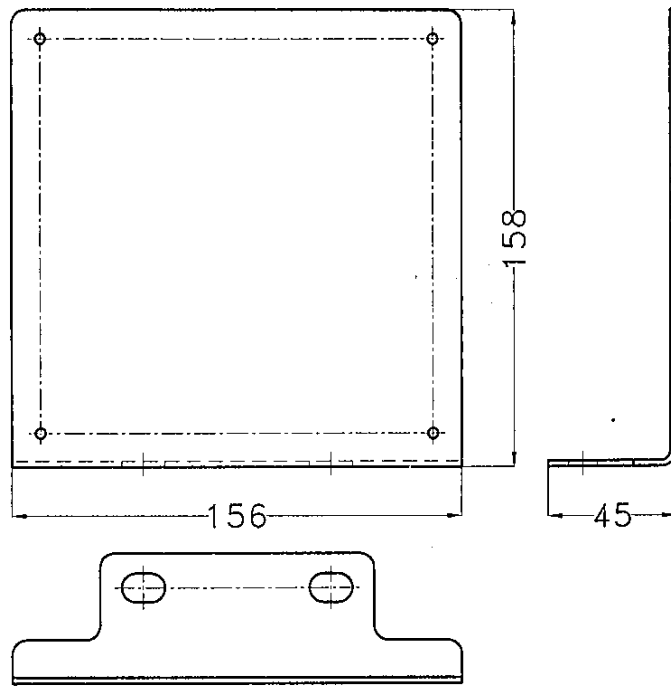
1	1	Terminal box holder plate	Ust.1203-Galvanized	2x156x199	0.45
	-	DIN 1541(DIN EN 10131)	DIN 1623(DIN EN 10130)		
Qt.	Item No.	Description	Material	Dimension	Mass.
	Index	Identity No.	Standard		kg
Index	Mod.No.	Date	Modifications	Signature	Title: Rating plate
					Holder sheet-Galvanized
					Ordered by:
Tolerance:	Group:	Applied by:	Drawing Identification:		
Scale: --		Monfared	I T R I - - R 1 1		
		Check by:	Drawing No.:		
		Karamzadeh	N D 0 T 0 6 - 0 1 6 -		
		Approved by:	Date:	Page.Count No.:	Page No.:
		Fouladi	1400/10/05		1+



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Nr .1

Uncertain tolerances according to DIN ISO 2768-m

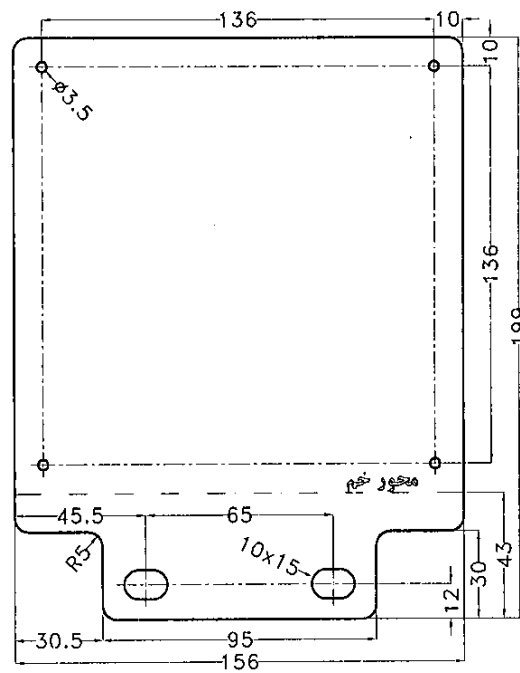
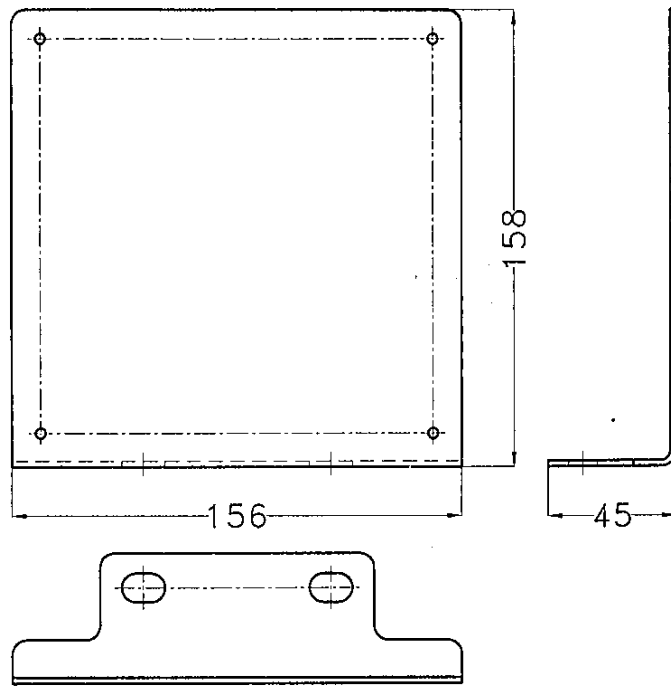
1	1	Terminal box holder plate	Ust.1203-Galvanized	2x156x199	0.45
	-	DIN 1541(DIN EN 10131)	DIN 1623(DIN EN 10130)		
Qt.	Item No.	Description	Material	Dimension	Mass.
	Index	Identity No.	Standard		kg
Index	Mod.No.	Date	Modifications	Signature	Title: Rating plate
					Holder sheet-Galvanized
					Ordered by:
Tolerance:	Group:	Applied by:	Drawing Identification:		
Scale: --		Monfared	I T R I - - R 1 1		
		Check by:	Drawing No.:		
		Karamzadeh	N D 0 T 0 6 - 0 1 6 -		
		Approved by:	Date:	Page.Count No.:	Page No.:
		Foulaei	1400/10/05		1+



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Substituted of: G.D - 018



Nr .1

Uncertain tolerances according to DIN ISO 2768-m

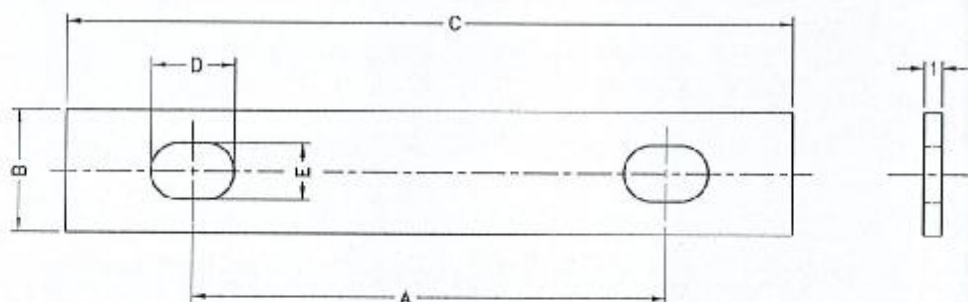
1	1	Terminal box holder plate	Ust.1203-Galvanized	2x156x199	0.45
	-	DIN 1541(DIN EN 10131)	DIN 1623(DIN EN 10130)		
Qt.	Item No.	Description	Material	Dimension	Mass.
	Index	Identity No.	Standard		kg
Index	Mod.No.	Date	Modifications	Signature	Title: Rating plate
					Holder sheet-Galvanized
					Ordered by:
Tolerance:	Group:	Applied by:	Drawing Identification:		
Scale: --		Monfared	I   T   R   I   -   -   R   1   1		
		Check by:	Drawing No.:		
		Karamzadeh	N D   0   T   0   6   -   0   1   6   -		
		Approved by:	Date:	Page.Count No.:	Page No.:
		Foulaei	1400/10/05		1+



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Substituted of: G.Z-086



No.	A	B	C	D	E	Weight(kg)
1	50	23	80	16	12	0.014
2	60	30	100	22	18	0.023
3	45	23	80	18	14	0.014

Uncertain tolerances according to DIN ISO 2768-m

1	1	Locking Sheet		Ust.1203	1xRxC
	-			DIN 1625(DIN EN 10130)	
Qt.	Item No.	Description	Identity No.	Material	Mass. Kg
Index	Mod No.	Date	Modifications	Standard	Dimension
Tolerance:		Group:	Applied by: <i>Fori</i>	Drawing Identification: I T R I - - R 1 1	
Scale: --			Check by: <i>Asadi</i>	Drawing No.: N D O F 0 1 - 0 3 1 -	
 <b>شرکت توزیع ایران ترانسفو زنگان</b> TOZIE IRAN TRANSFO ZANGAN CO.			Approved by:	Date: 1389/08/03	Page Count No.: Page No.: