



Life is Precious - Always use Genuine Parts

ANUSHREE ELECTRICAL ENGINEERS PVT. LTD.

Porcelain Bushings

Life is Precious - ALWAYS USE GENUINE PARTS





WHAT WE DO :-

Started in 1996, as a sister concern company Electrical Engineers. We have assiduously developed our skills in manufacturing quality Parts of Transformers. Our timely upgraded & technologically advanced manufacturing facilities has always been our strength in delivering the promises we made to our customers in quality. With a portfolio of more than 1000 products. We specialise in manufacturing machined, critical, high accuracy parts & assemblies.

The Company is ISO 9001:2015 quality standards accredited with a work floor space of 35000 sq ft filled with vast range of latest machinery handled by team of more than 200 employees, a strong R&D team and a family who has its roots in manufacturing industry since past 28 years.

WE ARE ANUSHREE ELECTRICAL ENGINEERS PVT. LTD..

Designed, Manufactured, delivered

WHY US :-

- 28 YEARS OF MANUFACTURING EXPERIENCE
- FAST TURN AROUND TIME
- TECHNOLOGICALLY ADVANCED INFRASTRUCTURE
- EXPORT & DOMESTIC ORIENTED UNIT
- IN-HOUSE ADVANCED TOOL ROOM
- MORE THAN 100 PERMANENT EMPLOYEES
- EXPERIENCE IN DIFFERENT MATERIALS
- MORE THAN 1000 PRODUCTS PORTFOLIO
- PROFESSIONAL R&D TEAM
- FORTNIGHTLY GANTT CHART REPORTS
- ORDERING & SUPPLY ERP
- ADVANCED TESTING POLICY

Testimonials & Certificates :-

UDYAM REGISTRATION CERTIFICATE			
UDYAM REGISTRATION NUMBER		UDYAM-UP-56-0005742	
NAME OF ENTERPRISE		M/S ANUSHREE ELECTRICAL ENGINEERS PRIVATE LIMITED	
TYPE OF ENTERPRISE *	SNo.	Classification Year	Enterprise Type
	1	2024-25	Small
	2	2023-24	Small
	3	2022-23	Small
MAJOR ACTIVITY		MANUFACTURING	
SOCIAL CATEGORY OF ENTREPRENEUR		GENERAL	
NAME OF UNIT(S)	S.No.	Udyog Aadhaar Memorandum	Unit(s) Name
	1	UP5600010179	ANUSHREE ELECTRICAL ENGINEERS PRIVATE LIMITED
OFFICIAL ADDRESS OF ENTERPRISE	Flat/Door/Block No.	6-A	Name of Premises/Building
	Village/Town	DELHI ROAD	Block
	Road/Street/Lane	DELHI ROAD	City
	State	UTTAR PRADESH	District
	Mobile	9837072609	Email: acceptd@gmail.com
DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE		01/04/2008	
DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS		01/04/2008	
NATIONAL INDUSTRY CLASSIFICATION CODE(S)			
SNo.	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit
1	46 - Wholesale trade, except of motor vehicles and motorcycles	4609 - Wholesale of waste and scrap and other products n.e.c.	46099 - Wholesale of metal and non-metal waste and scrap n.e.c.

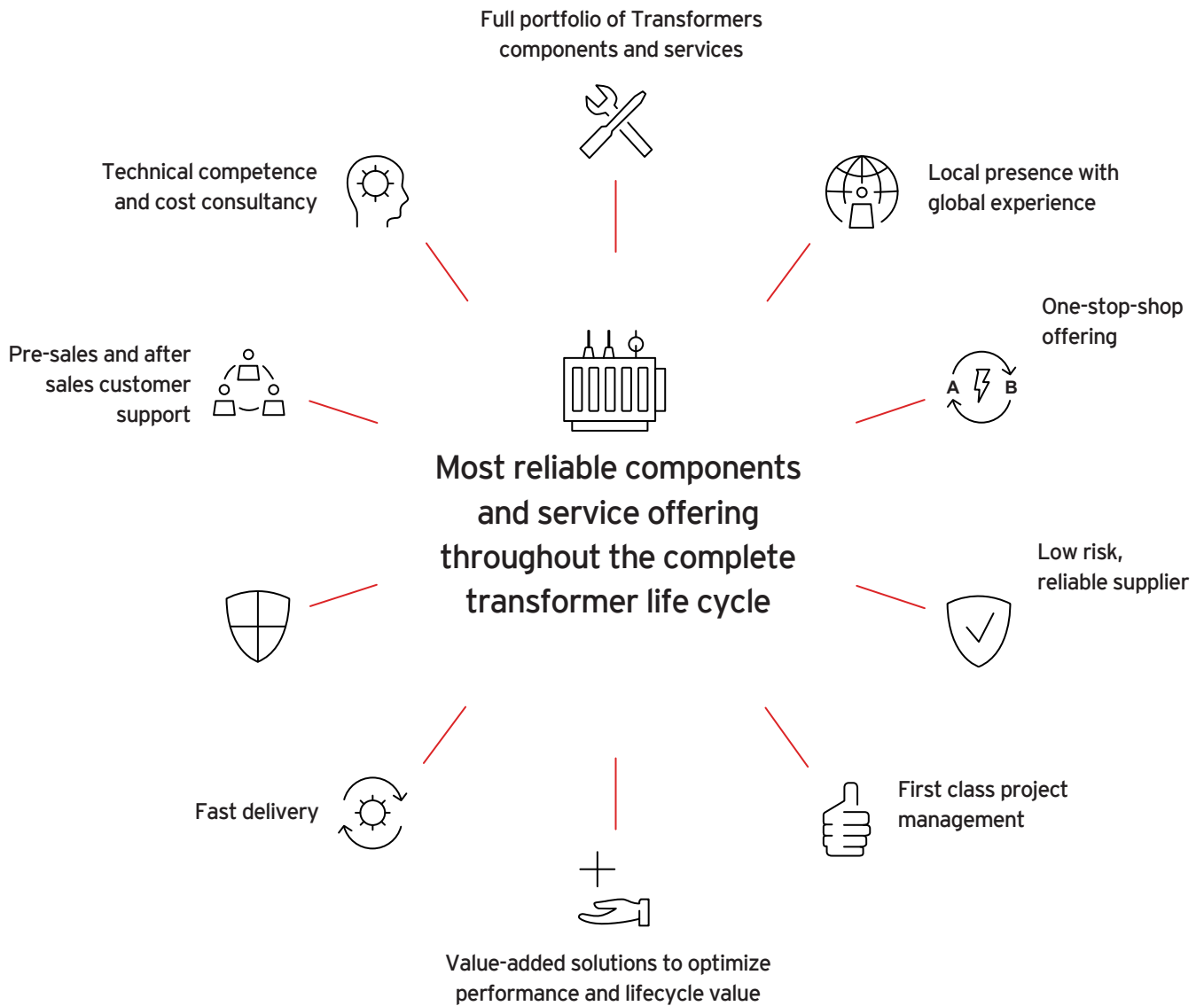
Government of India Ministry of Commerce and Industry Directorate General of Foreign Trade Office of the Additional Director General of Foreign Trade, CLA Delhi Central Licensing Area (CLA), A Wing I.P. Bhawan, I.P. Estate, New Delhi	
Importer-Exporter Code	
This is to certify that ANUSHREE ELECTRICAL ENGINEERS PRIVATE LIMITED is issued an Importer-Exporter Code (IEC) 0510096476 with details as follows -	
IEC	0510096476
स्वयं खत सं. (पिन) / PAN	AAGCA9887N
फर्म का नाम/Firm Name	ANUSHREE ELECTRICAL ENGINEERS PRIVATE LIMITED
निगम की प्रकृति / Nature of Concern	Private Limited
जति करने की तारीख / Date of Issue	21/03/2011
पता/Registered Address	GAUKRIPA, 6-A MOHKAMPUR INDUSTRIAL AREA Contact No: 9837072609, 9837097441, 9837092610, PHASE-I, DELHI ROAD MEERUT, MEERUT, UTTAR PRADESH, 250002
धारक का नाम / Name of the Signatory	BAL MUKAND SINGHAL
Director / Partner Details	Refer online at https://dgft.gov.in or scan the QR Code
शाखा/दफ्तर/Branch Details	Refer online at https://dgft.gov.in or scan the QR Code
Last Modified : 16/02/2022 File Number : DLIECPAMEND0013557IAM22	
Note : This is a system-generated certificate. Authenticity / Updated details of the IEC can be checked at official DGFT website https://dgft.gov.in by entering the IEC and Firm Name under Services > View Any IEC Details. You can also authenticate the certificate by scanning the QR code.	

Certificate of Registration (Quality Management System) KVQA CERTIFICATION SERVICES PVT. LTD.	
This is to certify that the Quality Management System of	
ANUSHREE ELECTRICAL ENGINEERS PVT. LTD.	
GAUKRIPA 6A & 53B, MOHKAMPUR INDUSTRIAL AREA	
PHASE-I, DELHI ROAD, MEERUT -250002, U.P., INDIA	
has been found to comply with the requirements of	
ISO 9001:2015	
This Certificate is valid for the following Product or service range	
MANUFACTURE & SUPPLY OF METAL PARTS AND ACCESSORIES FOR POWER & DISTRIBUTION TRANSFORMER, CT-PT, TRANSMISSION LINE, AB CABLE ACCESSORIES AND LED LIGHTS	
Issued by Authorized Signatory KVQA	
Certificate No: KDACQ202401107	
Date of Issue: 19, January, 2024	
Valid Until: 18, January, 2027	
1 st Surveillance Due On: 18/12/2024; Done On:	
2 nd Surveillance Due On: 18/12/2025; Done On:	
To check the status of the Certificate, kindly log on to www.kvqa.com	
To check the status, kindly mail at info@kvqa.com	
*Subject to successful completion of surveillance audits	

CERTIFICATE OF REGISTRATION	
This is to Certify that	
ANUSHREE ELECTRICAL ENGINEERS PVT. LTD.	
GAUKRIPA, 6-A, MOHKAMPUR IND. AREA, PH-1, DELHI ROAD, MEERUT UP 250002	
has been independently assessed by	
GQMIS Assessment and Standardization Pvt. Ltd.	
(Inspection & Certification Division) as meeting requirements of	
ISO 14001:2015 (Environment)	
for the following scope of activities	
Manufacture and Supply of Metal Parts and Accessories for Power & Distribution Transformer, CT-PT, Transmission Line, AB Cable Accessories and LED Lights	
Certificate No : 1820240719	
Issue No : 01	
Date of Certification : 10-07-2024	
First surveillance : 10-07-2025	
Revision No : Na	
Second Surveillance : 10-07-2026	
Re-certification : 10-07-2027	
Validity of the certificate is subject to Annual surveillance Audits done successfully.	
To check the status, kindly mail at info@gmcertifications.com	
A-215/95, Chawla Complex, Shaktapur, New Delhi - 110002	

CERTIFICATE OF REGISTRATION	
This is to Certify that	
ANUSHREE ELECTRICAL ENGINEERS PVT. LTD.	
GAUKRIPA, 6-A, MOHKAMPUR IND. AREA, PH-1, DELHI ROAD, MEERUT UP 250002	
has been independently assessed by	
GQMIS Assessment and Standardization Pvt. Ltd.	
(Inspection & Certification Division) as meeting requirements of	
ISO 45001:2018 (HEALTH & SAFETY)	
for the following scope of activities	
Manufacture and Supply of Metal Parts and Accessories for Power & Distribution Transformer, CT-PT, Transmission Line, AB Cable Accessories and LED Lights	
Certificate No : 1820240620	
Issue No : 01	
Date of Certification : 10-07-2024	
First surveillance : 10-07-2025	
Revision No : Na	
Second Surveillance : 10-07-2026	
Re-certification : 10-07-2027	
Validity of the certificate is subject to Annual surveillance Audits done successfully.	
To check the status, kindly mail at info@gmcertifications.com	
A-215/95, Chawla Complex, Shaktapur, New Delhi - 110002	

Delivering Flawless Customer Experience



Reducing complexity of your daily business

- Unique "One-stop-shop" offering for customers
- Full engineering-to-order solutions
- Customized bundling solutions
- Simplified and cost-effective customer procurement and logistic processes

Supporting you throughout the complete customer journey

- Technical competence and cost optimization
- Extensive pre-sales and after sales customer support

CNC Machines

CNC EDM Machine



CNC EDM Machine



CNC Wire Cut Machine



CNC Wire Cut Machine



CNC Bend Saw Machine



CNC Bend Saw Machine



SPM Machines



Casting



Dynamic Drilling Machines



Power Press & Forging Shop

Power Press Machine



Power Press Machine



Hydraulic Press Machine



Hydraulic Press Machine



Forging Press Machines



Forging Press Machines



VMC Machines



Plastic Injection Machines



Tools Design & Development Area



Workshop Area



MANUFACTURING FACILITIES

- Aluminum Casting
- Steel Fabrication
- Brass Casting
- Forging
- Neoprene Moulding
- Raw Material Cutting
- Heat-Treatment Plant
- Machining Shop
- Complete Die & Toolroom
- Pressure Die Casting
- Finishing (Grinding/Buffering)
- Assembling Unit
- V MC
- CNC
- Wire Cut

All the above facilities within own works and organize the others from trustable & dependable "Sub-Vendor / Ancillaries.

MECHANICAL TEST IN HOUSE

We have the capability to conduct cantilever or leakage tests on bushings as well as temperature or aging tests on gaskets in our state-of-the-art headquarters in Pernitz. In this way we can check the quality of our products as well as fully test our new innovations.



WANT MORE? NO PROBLEM!

Please contact us as a development partner for your ideas or needs. Our experts can assist in bringing your design concept through prototype to serial use. 50 years of responsibility in a family-led company, excellent customer service and our willingness to stretch the envelope guarantee the success of your product.

Taking Quality As A Paramount Factor, Our Customers Can Be Confident In Our Strict Quality Control Processes Quality Needs To Be Constantly improved But It Is Just As Necessary To Make Sure That Quality Never Deteriorates At **ANUSHREE ELECTRICAL ENGINEERS PVT. LTD.**, Each Component Passes Through Series Of Stringent Tests of Quality From Design Stage To Packaging We Are Well Equipped With A Wide Range Of Quality Testing Machines And Equipments.

Our Equipments Are Regularly Calibrated By Nabl Accredited Labs To Ensure Highest Measuring Accuracy Raw Materials Are Only Sourced Form Reliable Government Approved Suppliers.

> **RAW MATERIAL INWARD** - Every Batch of Raw Material is physically & metallurgically tested by inhouse lab via german made optical emission spectrometers. Our customers can avail Testing reports of all batches.

> **IN PROCESS INSPECTION** - The Dimensions Are Checked With Gauzes On Every Machining Process, inspection reports on every step are maintained And Then Passed On To Next Process.

> **POST PROCESS INSPECTION** - Each and Every Component Goes Through A Complete Inspection Before Packaging Thus Ensuring We Deliver The Perfect Component To Our Customer.

Our Quality Management System is ISO 9001:2015 Certified.

We are committed to meet the expectations of our customers by taking painstaking efforts to ensure delivery of best quality transformer components and services on time and at least possible cost.

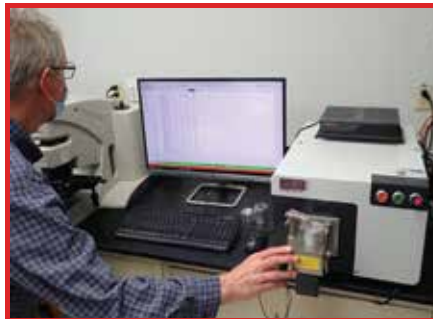






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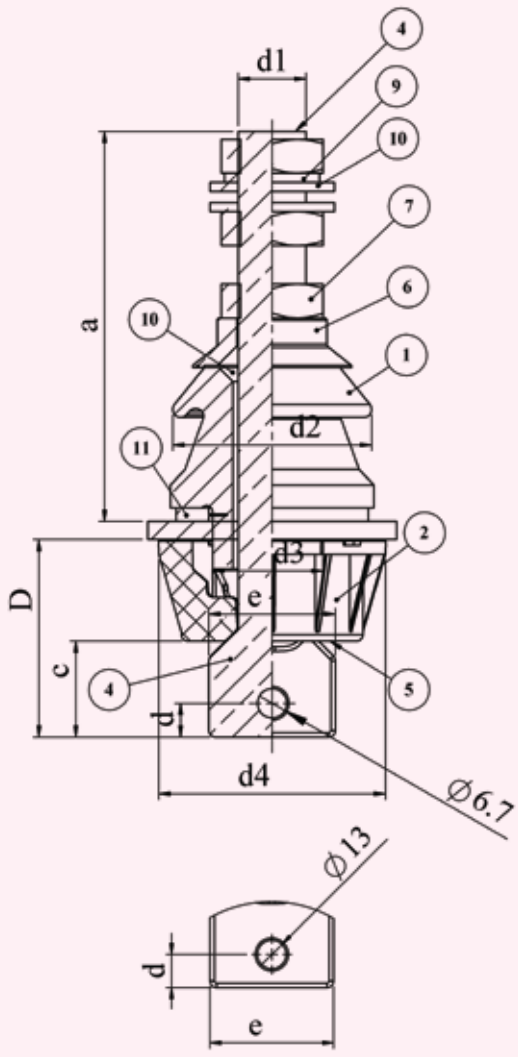
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Bushings EN/DIN Standard Technical Datas

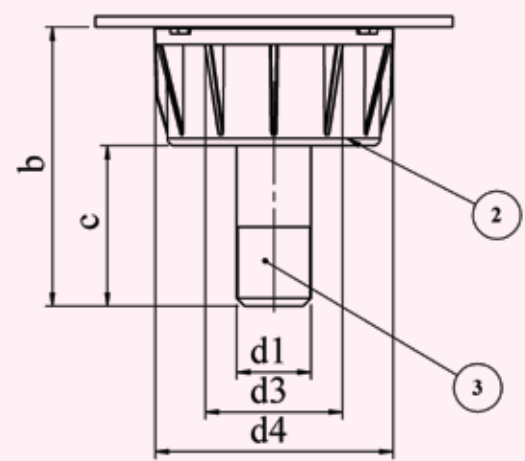


A

Name	Standard	Rated Current A	Nominal Voltage kV	Max. Voltage kV	Dry Lightning Impulse Voltage kV	Creepage Distance mm	Arcing Distance mm	Dastening Torque Bolt Nm	Fastening Torque Assembling Nm
1/250	EN 50386	250	1	1,1	20	55	55	15	-
1/630	EN 50386	630	1	1,1	20	70	60	25	-
1/1250	EN 50386	1250	1	1,1	20	75	60	60	-
1/2000	EN 50386	2000	1	1,1	20	75	60	105	-
1/3150	EN 50386	3150	1	1,1	20	75	60	120	-
1/4000	EN 50386	4000	1	1,1	20	85	70	140	-
1/5000	EN 50386	5000	1	1,1	20	85	70	150	-
12-250 T. 1	EN 50180	250	12	12	-	260	145	15	15
24-250 T. 2	EN 50180	250	24	24	-	490	260	15	15
36-250 T. 3	EN 50180	250	36	36	-	605	315	15	15
36-250 T. 4	EN 50180	250	36	36	-	935	465	15	15
36-250 T. 5	EN 50180	250	36	36	-	1165	485	15	15
12-630 T. 6	EN 50180	630	12	12	-	315	190	30	15
24-630 T. 7	EN 50180	630	24	24	-	490	285	30	15
36-630 T. 8	EN 50180	630	36	36	-	760	375	30	15
36-630 T. 9	EN 50180	630	36	36	-	1155	475	30	15
12-1250 T. 21	EN 50180	1250	12	12	-	385	215	70	25
24-1250 T. 22	EN 50180	1250	24	24	-	620	280	70	25
36-1250 T. 23	EN 50180	1250	36	36	-	930	385	70	25
36-1250 T. 24	EN 50180	1250	36	36	-	1145	500	70	25
12-2000/3150 T. 25	EN 50180	2000 / 3150	12	12	-	385	210	110/180	25
24-2000/3150 T. 26	EN 50180	2000 / 3150	24	24	-	620	275	110/180	25
36-2000/3150 T. 27	EN 50180	2000 / 3150	36	36	-	920	385	110/180	25
36-2000/3150 T. 28	EN 50180	2000 / 3150	36	36	-	1135	495	110/180	25
24-5000 P2	EN 50243	5000	24	24	-	480	270	140	-
24-5000 P4	EN 50243	5000	24	24	-	744	380	140	-
36-5000 P2	EN 50243	5000	36	36	-	720	380	140	-
36-5000 P3	EN 50243	5000	36	36	-	900	370	140	-
1/250	DIN 42530	250	1	1,1	20	60	50	15	-
1/630	DIN 42530	630	1	1,1	20	75	60	30	-
1/1000	DIN 42530	1000	1	1,1	20	75	60	70	-
1/2000	DIN 42530	2000	1	1,1	20	75	60	110	-
1/3150	DIN 42530	3150	1	1,1	20	75	60	180	-
3/250	DIN 42539	250	3	3,6	40	120	100	15	-
3/630	DIN 42539	630	3	3,6	40	120	100	30	-
3/1000	DIN 42539	1000	3	3,6	40	125	100	70	-
3/2000	DIN 42539	2000	3	3,6	40	125	100	110	-
3/3150	DIN 42539	3150	3	3,6	40	125	100	180	-
10 NI 250	DIN 42531	250	10	12	75	170	85	15	15
20 NI 250	DIN 42531	250	20	24	125	295	155	15	15
30 NI 250	DIN 42531	250	30	36	170	445	220	15	15
10 NF 250	DIN 42531	250	10	12	75	295	85	15	15
20 NF 250	DIN 42531	250	20	24	125	445	250	15	15
30 NF 250	DIN 42531	250	30	36	170	635	220	15	15
10 NI 630	DIN 42532	630	10	12	75	170	85	30	15
20 NI 630	DIN 42532	630	20	24	125	295	155	30	15
30 NI 630	DIN 42532	630	30	36	170	445	220	30	15
10 NF 630	DIN 42532	630	10	12	75	295	85	30	15
20 NF 630	DIN 42532	630	20	24	125	445	155	30	15
30 NF 630	DIN 42532	630	30	36	170	635	220	30	15
10 NF 1000	DIN 42533	1000	10	12	75	295	85	70	25
20 NF 1000	DIN 42533	1000	20	24	125	445	155	70	25
30 NF 1000	DIN 42533	1000	30	36	170	635	220	70	25
10 NF 2000/3150	DIN 42533	2000/ 3150	10	12	75	295	85	110/180	25
20 NF 2000/3150	DIN 42533	2000/ 3150	20	24	125	445	155	110/180	25
30 NF 2000/3150	DIN 42533	2000/ 3150	30	36	170	635	220	110/180	25
52 NF 1000	DIN 42534	1000	45	52	250	1090	470	70	25
52 NF 2000	DIN 42534	2000	45	52	250	1090	470	110	25
52 NF 3150	DIN 42534	3150	45	52	250	1090	470	180	25
24 NF 5000	DIN 42541	5000	20	24	125	470	260	250	25
36 NF 5000	DIN 42541	5000	30	36	170	483	245	270	25
3/4500	PREIS & CO	4500	3	3,6	45	140	107	250	-
10 NF 4500	PREIS & CO	4500	10	12	75	295	85	250	25
20 NF 4500	PREIS & CO	4500	20	24	125	445	155	250	25
30 NF 4500	PREIS & CO	4500	30	36	170	635	220	250	25



AP-Design

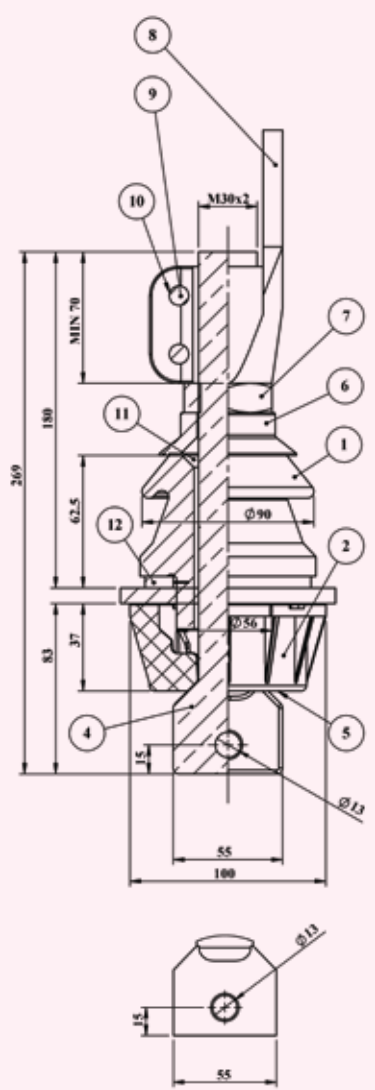


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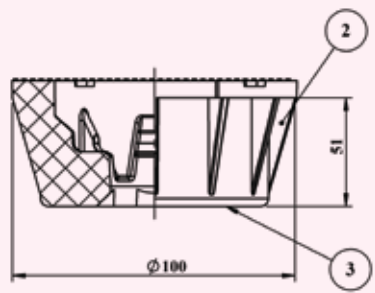
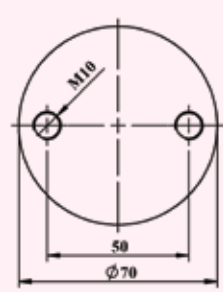
No.	Description	Material	AP pcs.	ST pcs.
1	Insulator A	Porceline	1	1
2	Insulator B	PA	1	1
3	Connecting Bolt ST	CU-ETP	-	1
4	AP-Bolt	Brass	1	-
5	AP-Washer	Brass	1	-
6	Cap	Brass	1	1

No.	Description	Material	AP pcs.	ST pcs.
7	Hexagon Nut	Brass	3	3
8	Washer	Brass	2	2
9	Spring Lock Washer	A2	1	1
10	Ring Gasket J	NBR	1	1
11	Flat Gasket J	NBR	1	1

Type	a mm	b mm	c mm	d mm	e mm	d1	d2 mm	d3 mm	d4 mm	Drawing Number
DT 1/250 AP	125	63	30	16	25	M12	52	28	60	AE0010250ENAPMS
DT 1/250 ST	125	58	25	-	-	M12	52	28	60	AE0010250ENSTMS
DT 1/630 AP	165	68	35	14	35	M20	70	45	84	AE0010630ENAPMS
DT 1/630 ST	165	70	37	-	-	M20	70	45	84	AE0010630ENSTMS



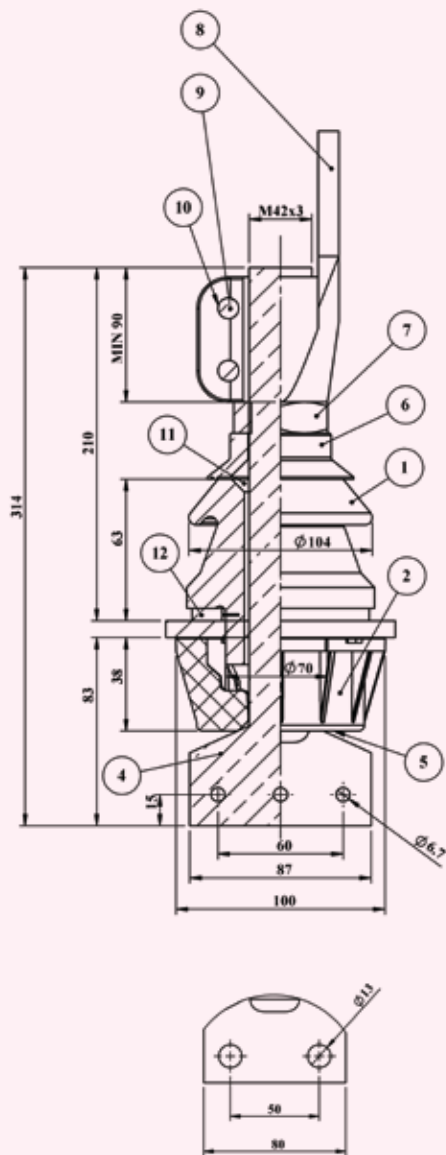
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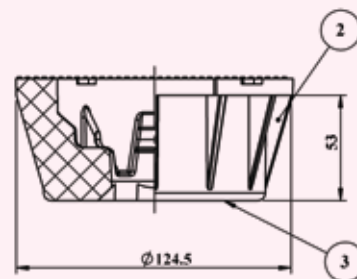
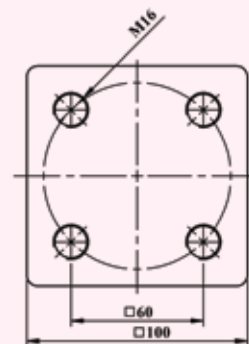
ST-Design

No.	Description	Material	1000 A		1250 A	
			AP pcs.	ST pcs.	AP pcs.	ST pcs.
1	Insulator A	Porcelaine	1	1	1	1
2	Insulator B	PA	1	1	1	1
3	Connecting Bolt ST	Brass	-	1	-	-
	Connecting Bolt ST	Cu-ETP	-	-	-	1
4	AP-Bolt	Brass	1	-	-	-
	AP-Bolt	Cu-ETP	-	-	1	-
5	AP-Washer	Brass	1	-	1	-
6	Cap	Brass	1	1	1	1
7	Hexagon Nut	Brass	1	1	1	1
8	Connecting Fag EP	Brass	1	1	1	1
9	Spring Washer	A2	2	2	2	2
10	Hexagon Screw	A2	2	2	2	2
11	Ring Gasket J	NBR	1	1	1	1
12	Fat Gasket N	NBR	1	1	1	1

Type	Drawing Number
DT 1/1000 AP	AE0011000ENAPMS
DT 1/1000 ST	AE0011000ENSTMS
DT 1/1250 AP	AE0011250ENAPCU
DT 1/1250 ST	AE0011250ENSTCU



AP-Design



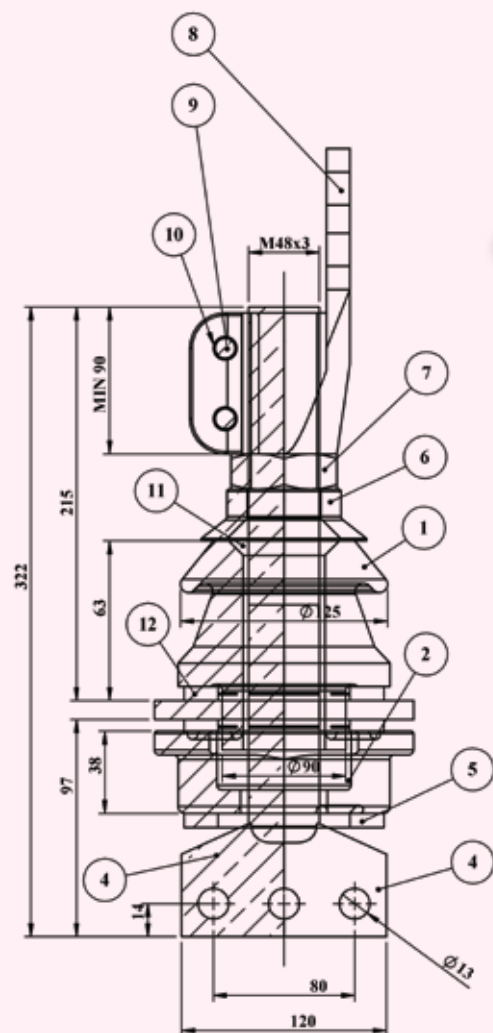
ST-Design

No.	Description	Material	AP pcs.	ST pcs.
1	Insulator A	Porceline	1	1
2	Insulator B	PA	1	1
3	Connecting Bolt ST	Cu-ETP	-	1
4	AP-Bolt	Cu-ETP	1	-
5	AP-Washer	Brass	1	-
6	Cap	Brass	1	1

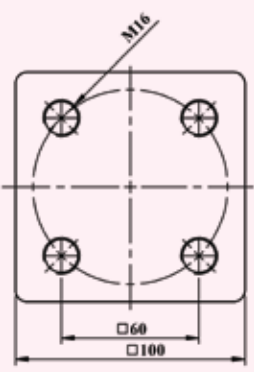
No.	Description	Material	AP pcs.	ST pcs.
7	Hexagon Nut	Brass	1	1
8	Connecting Flag FP	Brass	1	1
9	Springwasher	A2	2	2
10	Hexagon Screw	A2	2	2
11	Ring Gasket J	NBR	1	1
12	Flat Gasket N	NBR	1	1

Type	Drawing Number
DT 1/2000 AP	AE0012000ENAPCU

Type	Drawing Number
DT 1/2000 ST	AE0012000ENSTCU



AP-Design



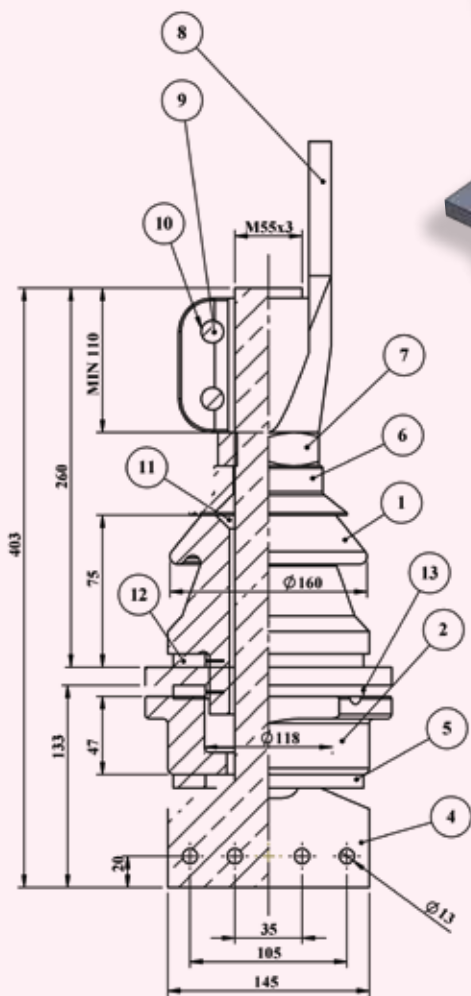
ST-Design

No.	Description	Material	AP pcs.	ST pcs.
1	Insulator A	Porceline	1	1
2	Insulator B	PA	1	1
3	Connecting Bolt ST	Cu-ETP	-	1
4	AP-Bolt	Cu-ETP	1	-
5	AP-Washer	Brass	1	-
6	Cap	Brass	1	1

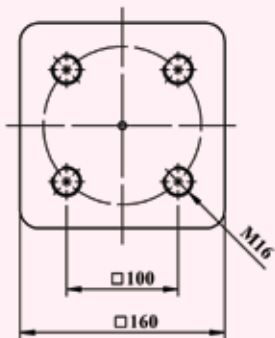
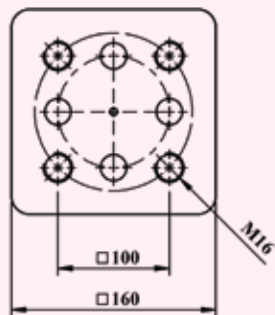
No.	Description	Material	AP pcs.	ST pcs.
7	Hexagon Nut	Brass	1	1
8	Connecting Flag FP	Brass	1	1
9	Springwasher	A2	2	2
10	Hexagon Screw	A2	2	2
11	Ring Gasket J	NBR	1	1
12	Flat Gasket N	NBR	1	1

Type	Drawing Number
DT 1/3150 AP	AE0013150ENAPCU

Type	Drawing Number
DT 1/3150 ST	AE0013150ENSTCU



AP-Design



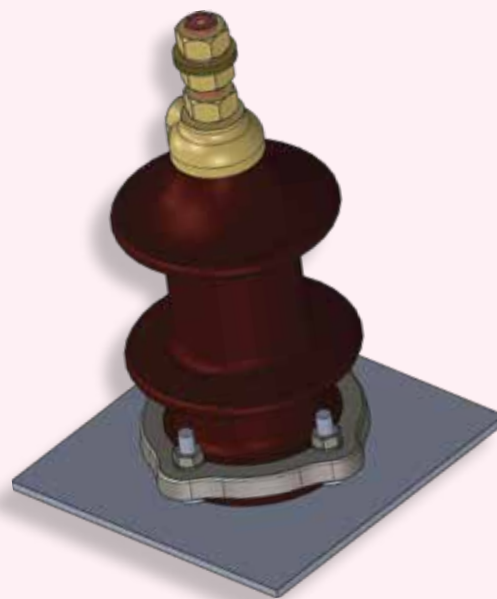
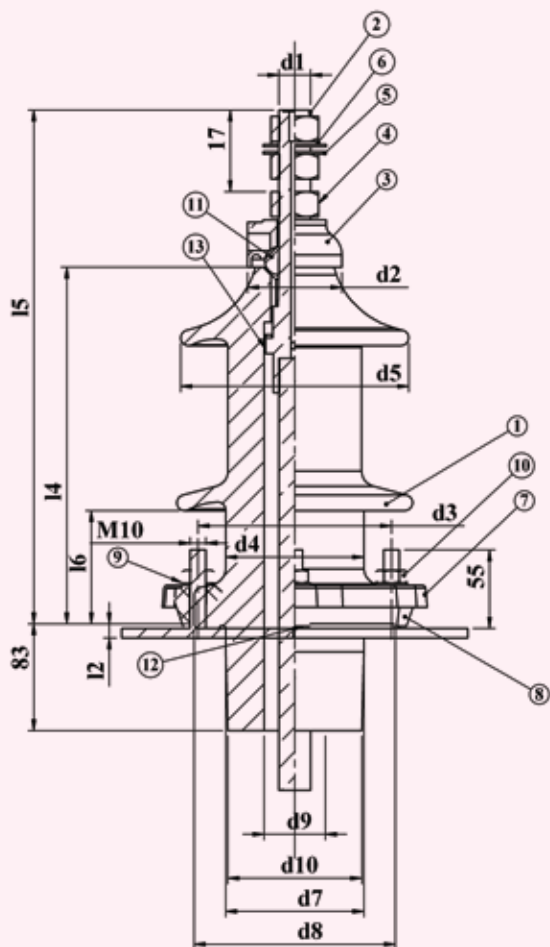
ST-Design

No.	Description	Material	AP pcs.	ST pcs.
1	Insulator A	Porceline	1	1
2	Insulator B	C110	1	1
3	Connecting Bolt ST	Cu-ETP	-	1
4	AP-Bolt	Cu-ETP	1	-
5	AP-Washer	Brass	1	-
6	Cap	Brass	1	1
7	Hexagon Nut	Brass	1	1

No.	Description	Material	AP pcs.	ST pcs.
8	Connecting Flag FP	Brass	1	1
9	Springwasher	A2	2	2
10	Hexagon Screw	A2	2	2
11	Ring Gasket J	NBR	1	1
12	Flat Gasket N	NBR	1	1
13	Flat Gasket R	NBR	1	1

Type	Drawing Number
DT 1/4000 AP	AE0014000ENAPCU

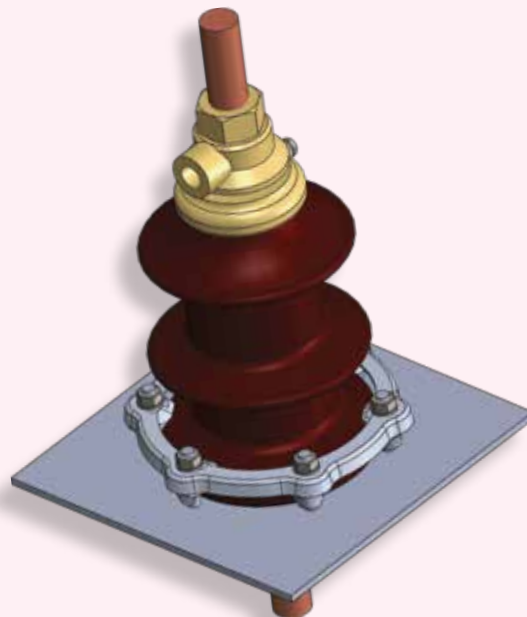
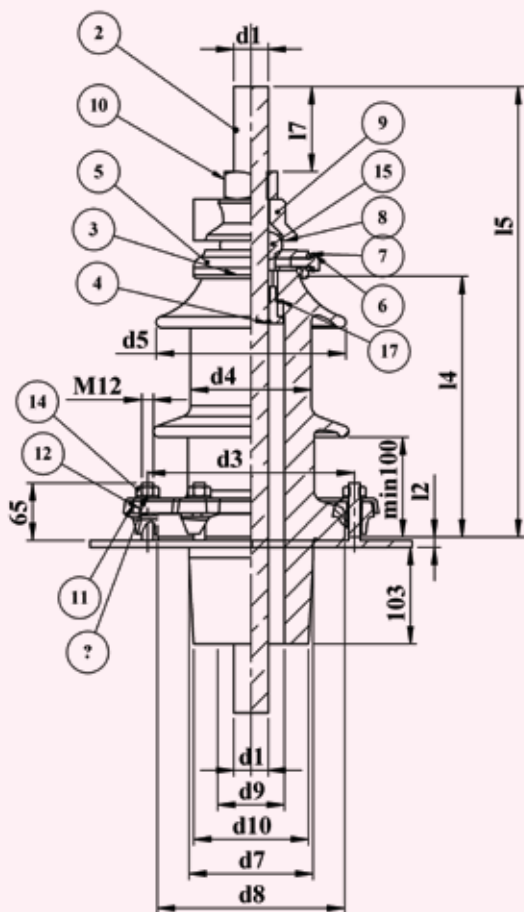
Type	Drawing Number
DT 1/4000 ST	AE0014000ENSTCU



No.	Description	Material	250A pcs.	630A pcs.
1	Insulator A	Porcelaine	1	1
2	Connecting Bolt ST	Brass	1	1
3	Cap	Brass	1	1
4	Hexagon Nut	Brass	3	3
5	Washer	Brass	2	2
6	Spring Lock Washer	A2	1	1
7	Flangering	Al	1	1

No.	Description	Material	250A pcs.	630A pcs.
8	Pressure Bit	Al	4	6
9	Washer	A2	4	6
10	Hexagon Nut	A2	4	6
11	Ring Gasket J	NBR	1	1
12	Flat Gasket N	NBR	1	1
13	Gasket O	Pressspan	1	1

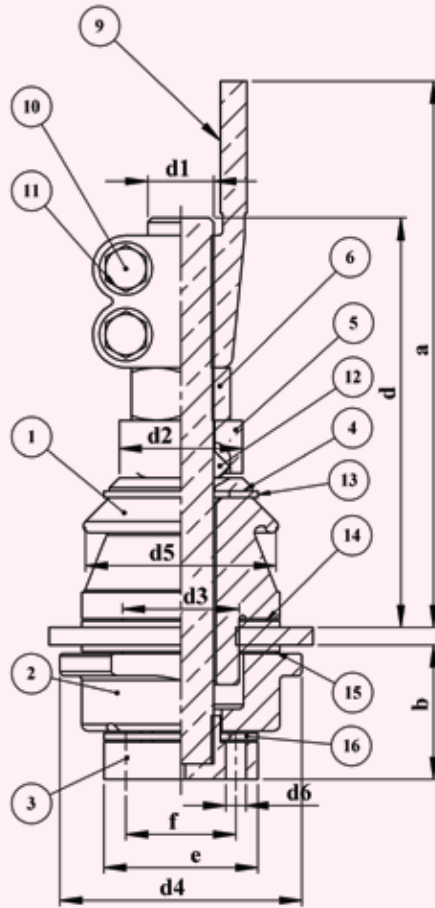
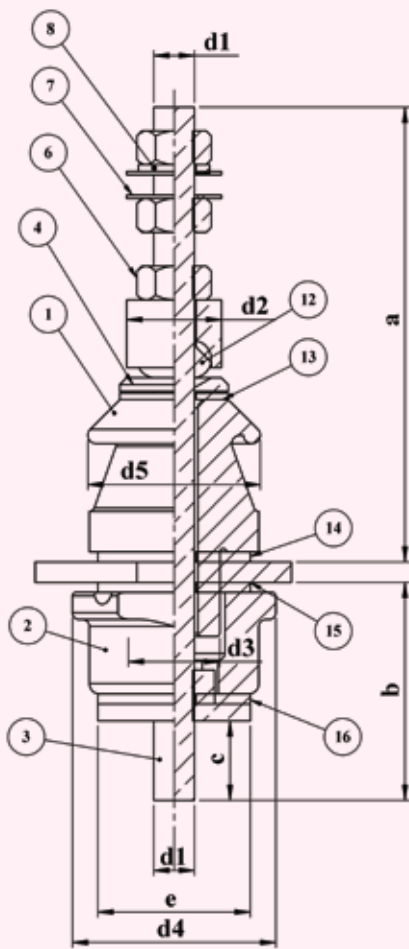
Type	Nominal Voltage kV	Minimum-Nominal-Creepage Distance AB mm Pollution Degree (IEC 60815)				Insulator- Type	Arcing Distance mm	I1 min. mm	I2 max. mm	I4 max. mm	I5 max. mm	I6 min. mm	d1	d2 max. mm	d3 mm	d4 max. mm	d5 max. mm	d6 max. mm	d7 min. mm	d8 max. mm	d9 min. mm	d10 max. mm	Drawing Number													
		I	II	III	IV																															
12-250/P1	12	192				1	145	45	15	190	270	90	M12	50	123	75	140	77	80	111	33	70	AE0100250EN01MS													
12-250/P2			240																																	
12-250/P4	12			300	372	2	260			304	384					80	150						AE0300250EN03MS													
24-250/P2	24	384	480																																	
24-250/P3	24			600		3	315			357	437					80	155							AE0300250EN03MS												
36-250/P1	36	576																																		
24-250/P4	24				744	4	465			516	596					80	155								AE0300250EN04MS											
36-250/P3	36		720	900																																
36-250/P4	36				1116	5	485			516	596					80	190									AE0300250EN05MS										
12-630/P3	12	192	240	300		6	190																				235	350	90	80	155	AE0100630EN06MS				
12-630/P4	12				372	7	285	325	440	90	85	170	AE0200630EN07MS																							
24-630/P2	24	384	480											8	375	423	540	100	85	180	AE0300630EN08MS															
24-630/P4	24			600	744	9	475	515	630	100	85	210										AE0300630EN09MS														
36-630/P2	36	576	720											9	475	515	630	100	85	210			AE0300630EN09MS													
36-630/P4	36			900	1116	9	475	515	630	100	85	210												AE0300630EN09MS												



No.	Description	Material	pcs.
1	Insulator A	Porceline	1
2	Connecting Bolt ST	Cu-ETP	1
3	Ring	Cu-ETP	1
4	Press Ring	Brass	1
5	Lower Cap	Brass	1
6	Flat Gasket F	PA	1
7	Deaeration Screw	Brass	1
8	Ring	Brass	1
9	Upper Cap	Cu-ETP	1

No.	Description	Material	pcs.
10	Hexagon Nut	Brass	1
11	Flange Ring	Al	1
12	Pressure Bit	Al	6
13	Washer	A2	6
14	Hexagon Nut	A2	6
15	Ring Gasket J	NBR	1
16	Flat Gasket N	NBR	1
17	Gasket O	Pressspan	1

Type	Nominal Voltage kV	Minimum-Nominal-Creepage Distance AB mm Pollution Degree (IEC 60815)				Insulator-Type	Arcing Distance mm	I2 max. mm	I4 max. mm	I5 max. mm	I7 max. mm	d1 max. mm	d3 mm	d4 max. mm	d5 max. mm	d1 Type		d6 mm	d7 mm	d8 mm	d9 mm	d10 mm	Drawing Number				
		I	II	III	IV											A: Thread	B: Smooth										
12-1250/P4	12	192	240	300	372	21	215	25	260	415	80	107	185	100	210	M30 x 2	30	107	110	165	58	100	AE0101250EN21CU				
24-1250/P3	24	384	480	600		22	280		325	480					210								AE0201250EN22CU				
24-1250/P4	24				744	23	385		420	575					240								AE0301250EN23CU				
36-1250/P3	36	576	720	900																			240	AE0301250EN24CU			
36-1250/P4	36				1116	24	500	535	690														AE0301250EN25CU				
12-2000/P4	12	192	240	300	372	25	210	30	260	450	100	132	205	120	230	M42 x 3	40	132	135	185	78	125	AE0102000EN25CU				
12-3150/P4	12	192	240	300	372						470				120										50	AE0103150EN25CU	
24-2000/P3	24	384	480	600		26	275		325	515	100			325	535	120	230						M48 x 3	40	AE0202000EN26CU		
24-3150/P3	24	384	480	600																							
24-2000/P4	24				744	27	385	420	610	100	132	205	125	260	M42 x 3	40	132	135	185	78	125	AE0302000EN27CU					
36-2000/P3	36	576	720	900																						40	AE0303150EN27CU
24-3150/P4	24				744										630	120										50	AE0303150EN28CU
36-3150/P3	36	576	720	900																							
36-2000/P4	36				1116	28	495	535	725	100	745	120	125	260	M42 x 3	40	125	135	185	78	125	AE0302000EN28CU					
36-3150/P4	36				1116																					50	AE0303150EN28CU



No.	Description	Material	250A pcs.	630A pcs.	1000-3150A pcs.
1	Insulator A	Porceline	1	1	1
2	Insulator B	Porceline	1	1	1
3	Bolt with Nut Y	Brass	1	-	-
	Bolt with Nut Y	Cu-ETP	-	1	-
	Bolt with Connecting Part Z	Cu-ETP	-	-	1
4	Washer G	Brass	1	1	1
5	Washer E	Brass	1	1	1
6	Hexagon Nut	Brass	3	3	1
7	Washer	Brass	2	2	-

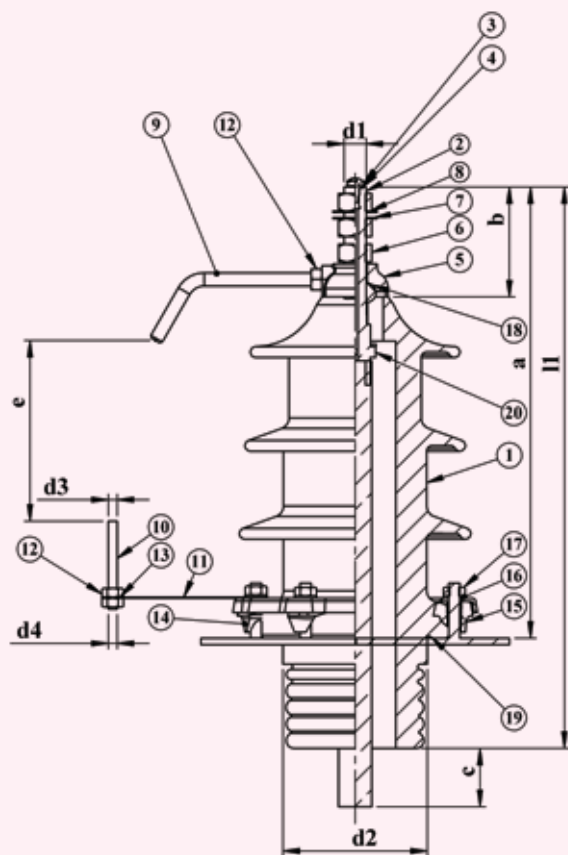
No.	Description	Material	250A pcs.	630A pcs.	1000-3150A pcs.
8	Spring Lock Washer	A2	1	1	-
9	Connecting Flag EP	Brass	-	-	1
10	Springwasher	A2	-	-	2
11	Hexagon Screw	A2	-	-	2
12	Ring Gasket J	NBR	1	1	1
13	Flat Gasket M	NBR	1	1	1
14	Flat Gasket N	NBR	1	1	1
15	Flat Gasket O, X	Pressspan	1	1	1
16	Flat Gasket P, R	Pressspan	1	1	1

Type	a max. mm	b max. mm	c mm	d mm	e mm	f mm	d1	d2 mm	d3 mm	d4 mm	d5 mm	d6	Drawing Number
DT 1/250	138	68	25	-	Ø45	-	M12	28	28	60	50	-	AE0010250DISTMS
DT 1/630	178	82	37	-	Ø63	-	M20	40	45	85	70	-	AE0010630DISTCU
DT 1/1000	263	60	-	186	Ø70	Ø50	M30x2	56	56	110	90	M10	AE0011000DISTCU
DT 1/2000	340	65	-	223	100	60	M42x3	70	70	125	104	M16	AE0012000DISTCU
DT 1/3150	372	70	-	230	110	60	M48x3	80	90	150	125	M16	AE0013150DISTCU

DIN 42531
DIN 42532

10 NI 250 - 30 NF 250
10 NI 630 - 30 NF 630

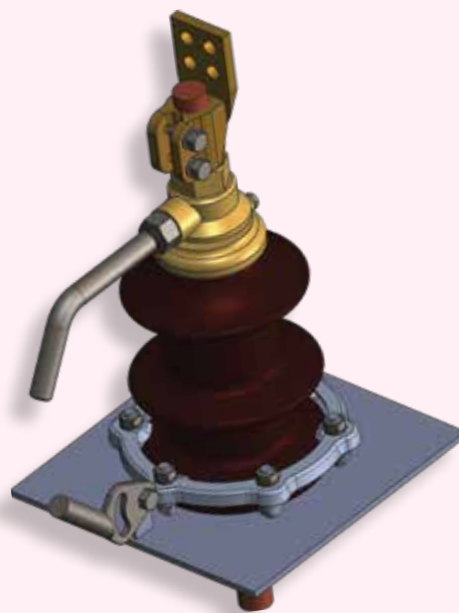
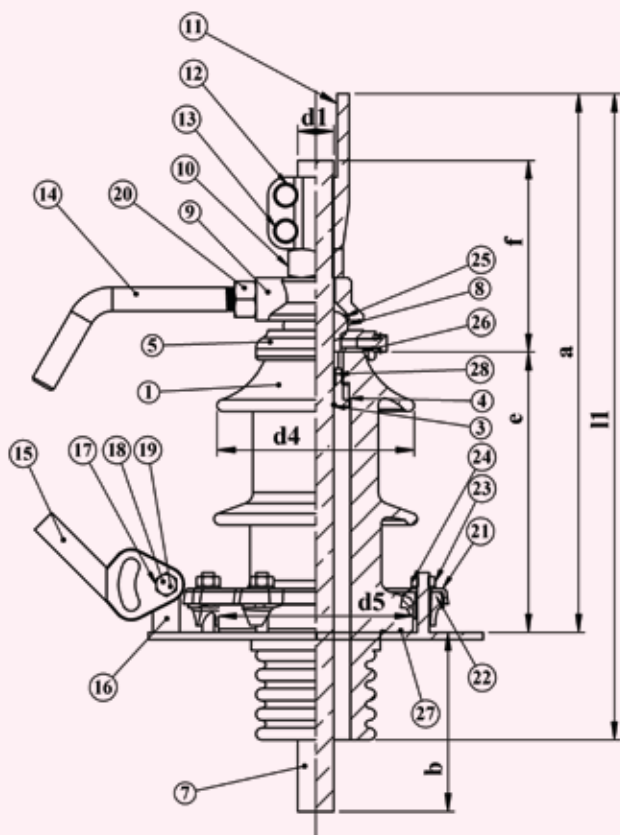
1.9



No.	Description	Material	250A pcs.	630A pcs.
1	Insulator	Porceline	1	1
2	Connecting Bolt	Brass	1	-
	Connecting Bolt	Cu-ETP	-	1
3	Flat Gasket F	PA6	-	1
4	Deaeration Screw T	Brass	-	1
5	Cap E	Brass	1	1
6	Hexagon Nut	Brass	3	3
7	Washer	Brass	2	2
8	Spring Lock Washer	A2	1	1
9	Arcing Horn KI-K3	A2	1	1
10	Lower Arcing Horn	A2	1	1

No.	Description	Material	250A pcs.	630A pcs.
11	Arcing Horn Holder	A2	1	1
12	Hexagon Nut	A2	3	3
13	Spring Lock Washer	A2	2	2
14	Flangering	Al	1	1
15	Press Bit	Al	4	6
16	Washer	A2	4	6
17	Hexagon Nut	A2	4	6
18	Gasket J	NBR	1	1
19	Flat Gasket N	NBR	1	1
20	Gasket O	Pressspan	1	1

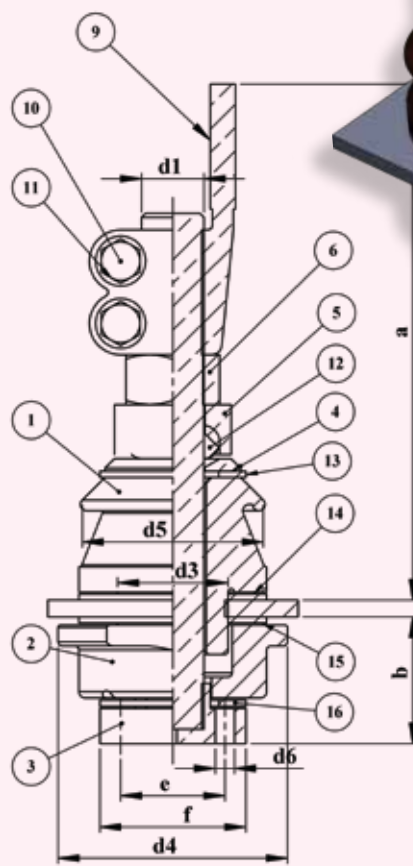
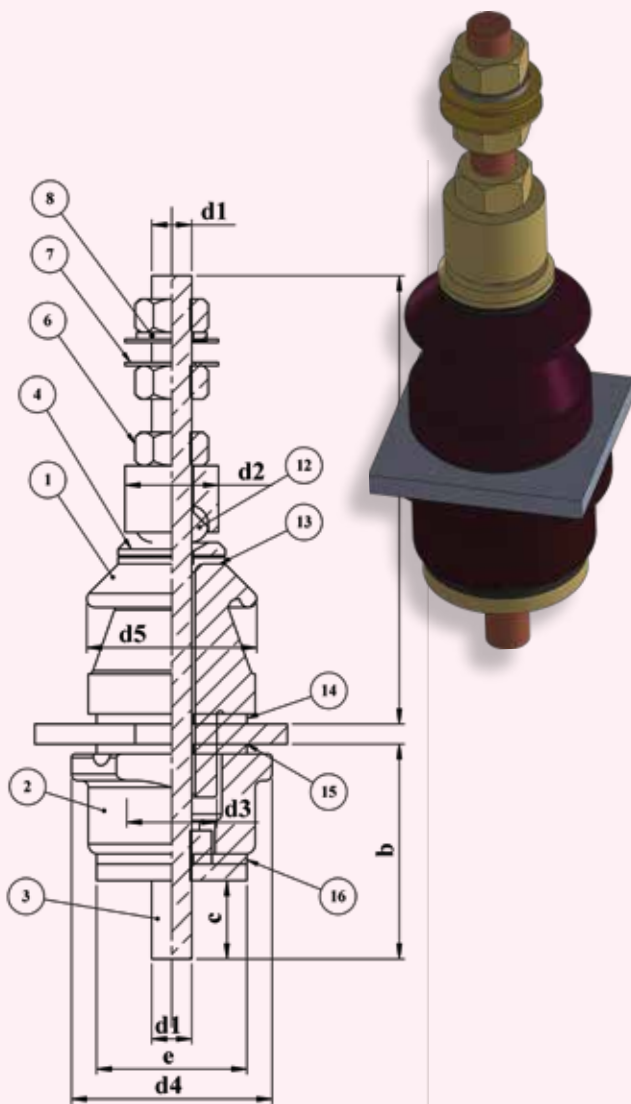
Type	Type		a mm	b mm	c mm	e mm	l1 mm	d1	d2 mm	d3 mm	d4	Drawing Number
	Outdoor	Indoor										
DT 10 NI 250	-	10 N	260	76	ca. 60	85	321	M12	78	8	M8	AE0100250DINiMS
DT 10 NF 250	10 N	-	310			85	371					AE0100250DISTMS
DT 20 NI 250	-	20 N	310			155	371					AE0100250DISTMS
DT 20 NF 250	20 N	-	385			155	461					AE0200250DISTMS
DT 30 NI 250	-	30 N	385			220	461					AE0300250DISTMS
DT 30 NF 250	30 N	-	485	108	ca. 75	220	561	M20	90	12	M12	AE0300250DISTMS
DT 10 NI 630	-	10 N	292			85	353					AE0100630DINiMS
DT 10 NF 630	10 N	-	342			85	403					AE0100630DISTMS
DT 20 NI 630	-	20 N	342			155	403					AE0100630DISTMS
DT 20 NF 630	20 N	-	417			155	493					AE0200630DISTMS
DT 30 NI 630	-	30 N	417			220	493					AE0200630DISTMS
DT 30 NF 630	30 N	-	522			220	618					AE0300630DISTMS



No.	Description	Material	10-30NF 1000-3150 pcs.	52NF 1000-3150 pcs.
1	Insulator	Porceline	1	1
2	Connecting Bolt	Cu-ETP	1	1
3	Ring S	Brass	1	1
4	Press Ring	Brass	1	1
5	Cap E	Brass	1	1
6	Screw R	Brass	1	1
7	Flat Gasket F	PA6	1	1
8	Ring U	Cu ETP	1	1
9	Washer F	Brass	1	1
10	Hexagon Nut	Brass	1	1
11	Connecting Flag	Brass	1	1
12	Spring Washer	A2	2	2
13	Hexagon Nut	A2	2	2
14	Upper Arcing Horn	A2	1	1

No.	Description	Material	10-30NF 1000-3150 pcs.	52NF 1000-3150 pcs.
15	Unteres Funkenhorn	A2	1	1
16	Arcing Horn Holder	A2	1	1
17	Spring Lock Washer	A2	2	2
18	Hexagon Screw	A2	2	2
19	Hexagon Nut	A2	2	2
20	Hexagon Nut	A2	1	1
21	Flangering	Al	1	1
22	Press Bit	Al	6	6
23	Washer	A2	6	6
24	Hexagon Nut	A2	6	6
25	Ring Gasket J	NBR	1	1
26	Flat Gasket M	NBR	1	1
27	Flat Gasket N	NBR	1	1
28	Gasket O	Pressspan	1	1

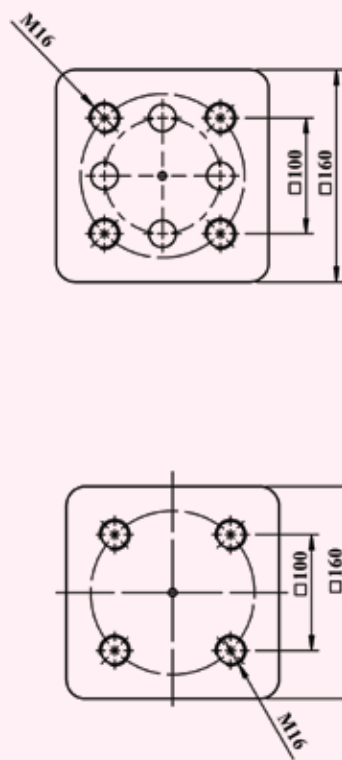
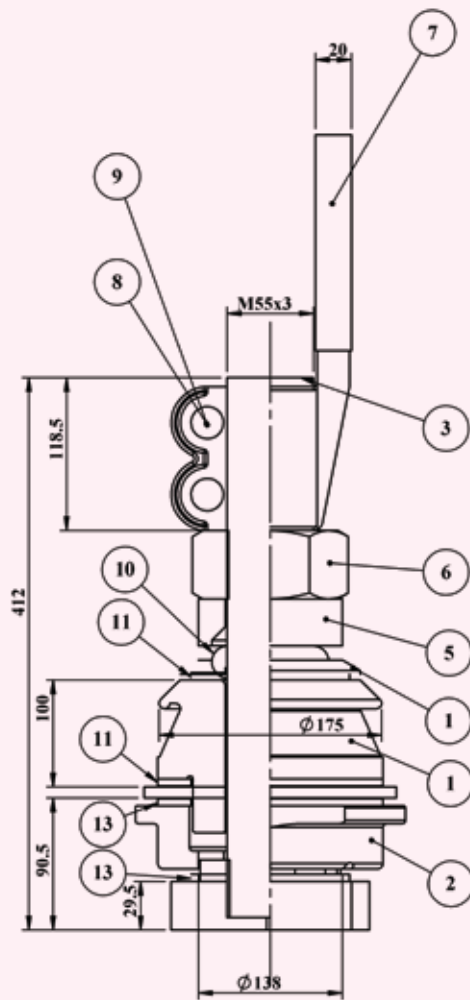
Type	a mm	b mm	d1	d3 mm	d4 mm	d5 mm	e mm	f mm	l mm	Drawing Number
DT 10 NF 1000	455	158	M30x2	110	100	163	239	148	541	AE0101000DISTCU
DT 20 NF 1000	530	168		110	100	163	314	148	626	AE0201000DISTCU
DT 30 NF 1000	635	198		110	100	163	419	148	756	AE0301000DISTCU
DT 10 NF 2000	530	158	M42x3	135	120	183	239	178	616	AE0102000DISTCU
DT 20 NF 2000	605	168		135	120	183	314	178	701	AE0202000DISTCU
DT 30 NF 2000	710	198		135	120	183	419	178	831	AE0302000DISTCU
DT 10 NF 3150	560	158	M48x3	135	120	183	239	183	646	AE0103150DISTCU
DT 20 NF 3150	635	168		135	120	183	314	183	731	AE0203150DISTCU
DT 30 NF 3150	740	198		135	120	183	419	183	861	AE0303150DISTCU
DT 52 NF 1000	725	253	M30x2	135	120	183	509	148	901	AE0521000DISTCU
DT 52 NF 2000	800	253	M42x3	135	120	183	509	178	976	AE0522000DISTCU
DT 52 NF 3150	830	253	M48x3	135	120	183	509	183	1006	AE0523150DISTCU



No.	Description	Material	250A pcs.	630A pcs.	1000-3150A pcs.
1	Insulator A	Porceline	1	1	1
2	Insulator B	Porceline	1	1	1
3	Bolt with Nut Y	Brass	1	-	-
	Bolt with Nut Y	Cu-ETP	-	1	-
	Bolt with Connecting Part Z	Cu-ETP	-	-	1
4	Washer G	Brass	1	1	1
5	Washer E	Brass	1	1	1
6	Hexagon Nut	Brass	3	3	1
7	Washer	Brass	2	2	-

No.	Description	Material	250A pcs.	630A pcs.	1000-3150A pcs.
8	Spring Lock Washer	A2	1	1	-
9	Connecting Flag EP	Brass	-	-	1
10	Springwasher	A2	-	-	2
11	Hexagon Screw	A2	-	-	2
12	Ring Gasket J	NBR	1	1	1
13	Flat Gasket M	NBR	1	1	1
14	Flat Gasket N	NBR	1	1	1
15	Flat Gasket O, X	Pressspan	1	1	1
16	Flat Gasket P, R	Pressspan	1	1	1

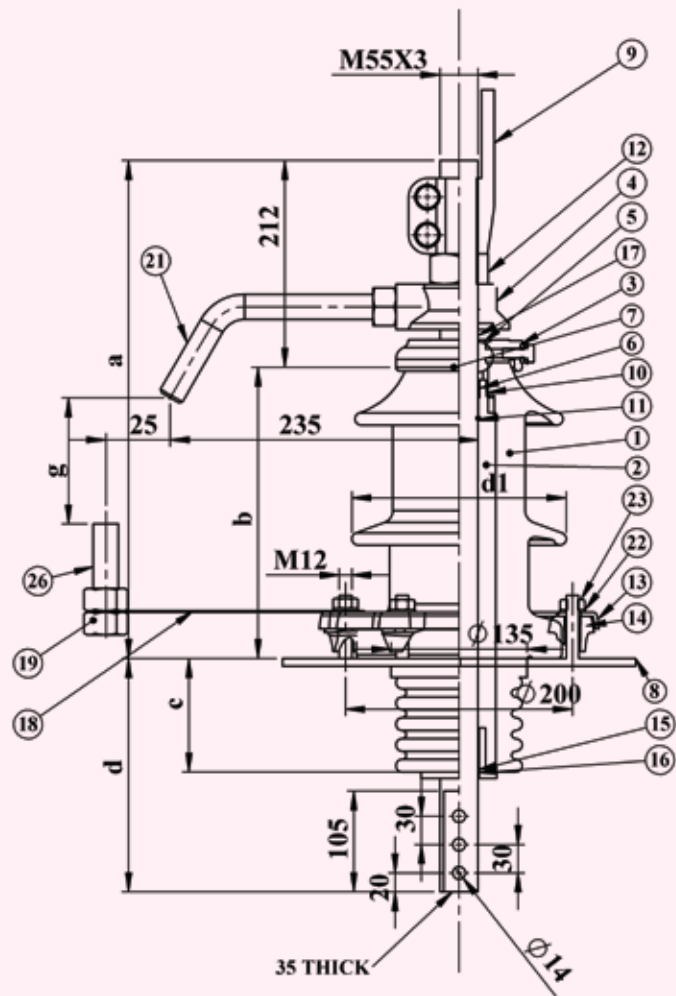
Type	a mm	b mm	c mm	e mm	f mm	d1	d2 mm	d3 mm	d4 mm	d5 mm	d6	Drawing Number
DT 3/250	180	94	25	-	-	M10	28	39	70	75	-	AE0030250DISTMS
DT 3/630	210	110	37	-	-	M20	46	45	85	90	-	AE0030630DISTCU
DT 3/1000	294	80	-	Ø50	Ø70	M30x2	56	56	110	110	M10	AE0031000DISTCU
DT 3/2000	372	86	-	60	100	M42x3	70	70	125	125	M16	AE0032000DISTCU
DT 3/3150	404	92	-	60	110	M48x3	90	90	150	145	M16	AE0033150DISTCU



No.	Description	Material	pcs.
1	Insulator A	Porceline	1
2	Insulator B	PA	1
3	Connecting Bolt ST	Cu-ETP	1
4	Washer G	Brass	
5	Cap E	Brass	-
6	Hexagon Nut	Brass	1
7	Hexagon Nut	Brass	1

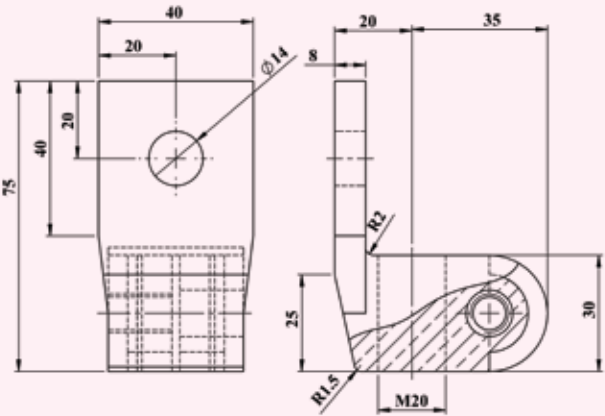
No.	Description	Material	pcs.
8	Connecting Flag FP	Brass	1
9	Springwasher	A2	2
10	Hexagon Screw	A2	2
11	Ring Gasket J	NBR	1
12	Flat Gasket N	NBR	1
13	Flat Gasket R	Pressspan	2

Type	Drawing Number
DT 3/4500 ST	AE0034500PRSTCU



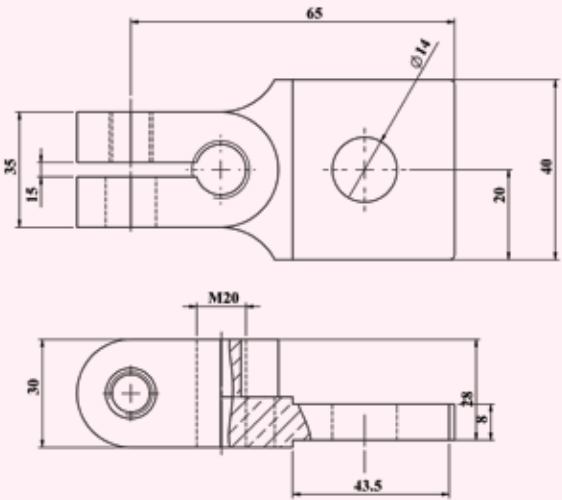
No.	Description	Material	pcs.
1	Insulator A	Porceline	1
2	Connecting Bolt ST	Cu-ETP	1
3	Cap With Deaeration Screw E	Brass	1
4	Washer F	Brass	1
5	Ring Gasket J	NBR	1
6	Gasket O	Pressspan	1
7	Flat Gasket M	NBR	1
8	Flat Gasket N	NBR	1
9	Connecting Flag	Brass	1
10	Press Ring	Brass	1
11	Ring	Cu-ETP	1
12	Hexagon Nut	Brass	1

No.	Description	Material	pcs.
13	Flange Ring	Al	1
14	Press Bit	Al	6
15	Centering Washer	PA	1
16	Locking Ring	A2	1
17	Ring	Cu-ETP	1
18	Arcing Horn Holder	A2	1
19	Hexagon Nut	A2	3
20	Lower Arcing Horn	A2	1
21	Upper Arcing Horn	A2	1
22	Washer	A2	6
23	Hexagon Nut	A2	6



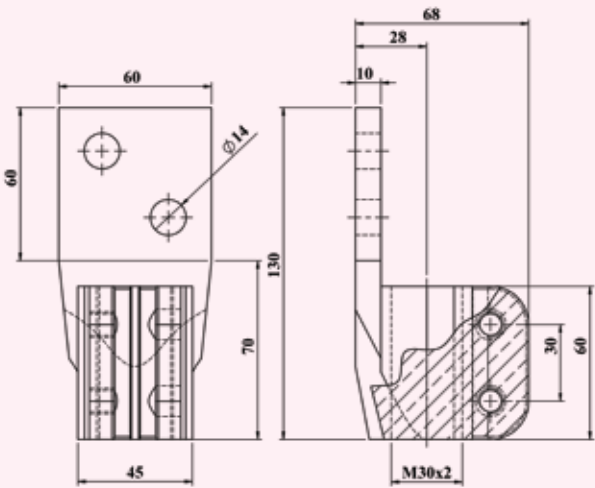
DP 630A

Type	Drawing Number
DP 630A	AE0000630DIDPMS



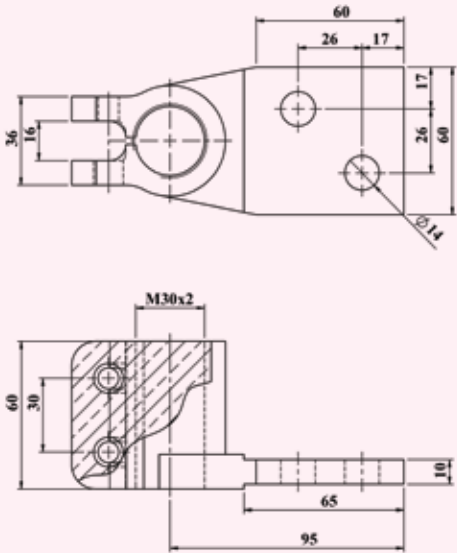
DR 630A

Type	Drawing Number
DR 630A	AE0000630DIDRMS



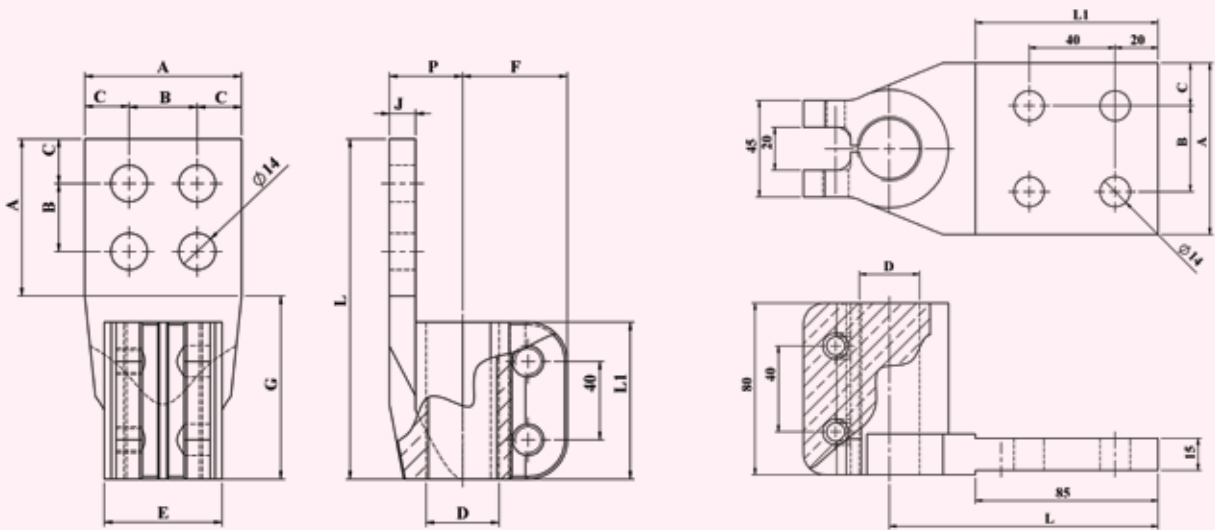
EP 1000A

Type	Drawing Number
EP 1000A	AE0001000DIEPMS



ER 1000A

Type	Drawing Number
ER 1000A	AE0001000DIERMS



FP 2000 - FP 5000

FR 2000 - FR 3150

Type	D		A mm	B mm	C mm	E mm	F mm	L mm	G mm	H mm	I mm	J mm	K mm	M mm	ØN mm	Drawing Number
FP 2000	M42x3	Ø42H9	100	50	25	58	40	190	70	80	55	15	20	40	Ø14	AE0002000DIFPMS
FP 3150	M48x3	Ø48H9	120	60	30	68	45	210	70	80	55	15	20	40	Ø14	AE0003150DIFPMS
FP 4000	M55x3	Ø55H9	150	70	40	80	55	244	64	90	60	20	40	70	Ø18	AE0004000DIFPMS
FP 5000	M64x3	Ø64H9	180	100	40	80	60	274	64	95	65	20	40	70	Ø18	AE0005000DIFPMS

Type	D		A mm	B mm	C mm	E mm	F mm	L mm	Drawing Number
FR 2000	M42x3	42H9	100	50	25	58	155	105	AE0002000DIFRMS
FR 3150	M48x3	48H9	120	60	30	68	175	125	AE0003150DIFRMS



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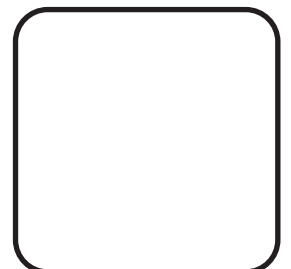
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