

PORCELAIN INSULATORS

- Low, medium and high voltage insulators
- Transformer bushing insulators
- Line insulators
- For outdoor and indoor use



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**IRAN TRANSFO
CORPORATION**

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شرکت مقره سازی صدف گستر زنجان Zanzan Sadaf Gostar Insulator Co.

Introduction

Zanzan Sadaf Gostar Insulator Co. founded in 2000, has become one of the leading producers of porcelain insulators in Iran. We offer a wide range of products including low, medium and high voltage insulators.

Insulators presented in this catalogue are standardized products meeting requirements of domestic, foreign and international standards. The company is certified by **ISO 9001:2000** from SGS-Switzerland.

Our company is prepared for immediate commencement of production of new products according to customer's specifications.

Our company success in producing the high quality insulators is due to the customer's support and the local raw materials suppliers.

معرفی

شرکت مقره سازی صدف گستر زنجان در سال ۱۳۷۹ تأسیس شد و هم اکنون به یکی از تولید کنندگان برجسته مقره های پورسلانی در ایران تبدیل شده است. این شرکت محدوده وسیعی از محصولات شامل انواع مقره های ولتاژ پایین، متوسط و قوی را عرضه میکند. مقره هایی که در این کاتالوگ معرفی شده اند، محصولات استاندارد می باشند که تمامی نیازهای استانداردهای داخلی، خارجی و بین المللی را برآورده می سازند. شرکت مقره سازی صدف گستر زنجان دارای گواهینامه استاندارد ISO 9001:2000 از SGS سوئیس می باشد. شرکت ما آمادگی امر به تولید محصولات جدید را با توجه به مشخصات مشتریان و در کوتاهترین زمان ممکن دارا می باشد. شرکت مقره سازی صدف گستر زنجان، موفقیت خود را در تولید مقره هایی با کیفیت عالی، مقرون حیاتیت بی وقفه مشتریان و تأمین کنندگان مواد اولیه داخلی می داند.





Production Process	فرآیند تولید
Raw materials	مواد اولیه
Weighing	وزن کشی
Milling	آسیاب کردن
Mixing	مخلوط کردن
Filter pressing	فیلتر پرس کردن
Ageing	پرورش دادن
De-airing extruder	اکستروود خلاء
Profile turning	تراش دادن
Drying	خشک کردن
Glazing	لعاب زنی
Firing	پخت
Dimensions and shape controlling	کنترل ابعادی و شکل
Assembling	مونتاژ کردن
Electrical test	نست الکتریکی
Storage	انبار کردن
Shipment	توزیع



Profile turning

تراش دادن



Milling & filter pressing

آسیاب کردن و فیلتر پرس کردن



Glazing

لعابزنی



ازمایشگاه فشار قوی

شرکت مفره ساری صدف گستر زانجان با تجهیز ازمایشگاه فشار قوی به تجهیزات مورد نیاز کلیه آزمایشات Routing & Sample را مطابق استانداردهای بین المللی جهانی ANSI, IEC, DIN و با هدف جلب رضایت مشتری و اطمینان از کیفیت مطلوب محصولات خود به انجام می رساند.

همچنین این شرکت، تحقیقات و توسعه درموارد سرامیک را بر مبنای فن آوری خود دنبال می کند. در ازمایشگاه فشار قوی این شرکت آزمایشات زیر بر روی مفرها انجام می شود:

High Voltage Laboratory

Aiming at attracting the customer satisfaction and assuring the desired product quality, Zanjan Sadaf Gostar Insulator Co. performs all the Sample and Routing tests according to the international global standards IEC, DIN & ANSI.

This company also follows the research and development of ceramics cases according to its technology. The following tests are performed on the insulators in the high voltage lab:

Sample test
Porosity test
تست تخلخل
Temperature cycle test
تست سیکل حرارتی
Mechanical test
تست مکانیکی
Mechanical-Electrical test
تست الکترومکانیکی
Verification of dimensions
تایید ابعادی
Routine test
Electrical test
تست الکتریکی
Visual examination
کنترل ظاهری



De-airing extruder

اکستروژر کردن



Firing

پخت



Firing

پخت



آزمایشگاه فیزیک سرامیک

آزمایشگاه فیزیک - سرامیک بمنظور بهبود و ارتقاء قدرت الکتریکی و مکانیکی مفردها با تجهیزات مدرن تأسیس شده است. آزمایشات فیزیکی، الکتریکی و مکانیکی مانند آزمایش استحکام خمشی، استحکام خمشی خام تست تخلخل باز، شوک حرارتی، استحکام الکتریکی، دانسیته دوغاب، پلاستیسیته دوغاب و دانه بندی بر روی بدنه مفرد، لعاب و سیمان انجام می شود.

Ceramic physical laboratory

The ceramic-physical laboratory is established for the purpose of improving the mechanical and electrical strength of the insulators with high tech equipment.

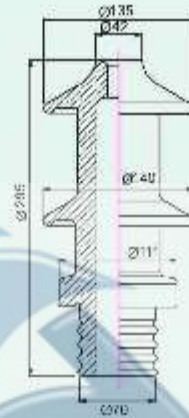
Mechanical & electrical tests such as bending strength test, green bending strength, open porosity test, thermal shock, electric strength, slurry density, slurry plasticity and grain sizes are performed on insulator's body, glaze and cement.



Bushing insulator 10 NF 250

Type: Transformer bushing insulator – 10 NF 250

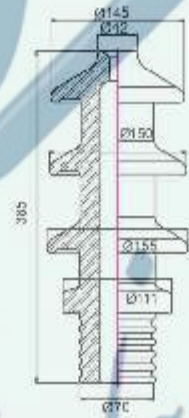
Creepage distance / mm	290
Arcing distance / mm	190
Nominal current / A	250
Lightning impulse withstand voltage / KV	75
Wet power freq. withstand voltage / KV	35
Dry power freq. withstand voltage / KV	65
Average weight of insulator / Kg	3.3
Standard specification: DIN42531, IEC233	



Bushing insulator 20 NF 250

Type: Transformer bushing insulator – 20 NF 250

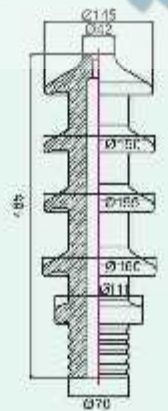
Creepage distance / mm	445
Arcing distance / mm	270
Nominal current / A	250
Lightning impulse withstand voltage / KV	125
Wet power freq. withstand voltage / KV	55
Dry power freq. withstand voltage / KV	115
Average weight of insulator / Kg	4.8
Standard specification: DIN42531, IEC233	



Bushing Insulator 30 NF 250

Type: Transformer bushing insulator – 30 NF 250

Creepage distance / mm	600
Arcing distance / mm	360
Nominal current / A	250
Lightning impulse withstand voltage / KV	170
Wet power freq. withstand voltage / KV	75
Dry power freq. withstand voltage / KV	125
Average weight of insulator / Kg	6.3
Standard specification: DIN42531, IEC233	



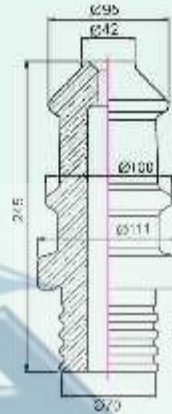


Bushing insulator 10 NI 250

Type: Transformer bushing insulator – 10 NI 250

Creepage distance / mm	175
Arcing distance / mm	90
Nominal current / A	250
Lightning impulse withstand voltage / KV	75
Wet power freq. withstand voltage / KV	-
Dry power freq. withstand voltage / KV	-
Average weight of insulator / Kg	2.4

Standard specification: DIN42532



Bushing insulator 10 NF 630

Type: Transformer bushing insulator – 10 NF 630

Creepage distance / mm	330
Arcing distance / mm	190
Nominal current / A	630
Lightning impulse withstand voltage / KV	75
Wet power freq. withstand voltage / KV	35
Dry power freq. withstand voltage / KV	100
Average weight of insulator / Kg	4.3

Standard specification: DIN42532, IEC233, IEC137

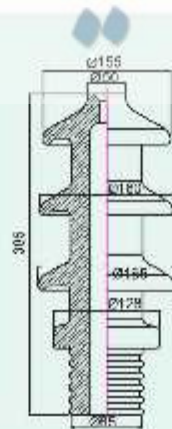


Bushing insulator 20 NF 630

Type: Transformer bushing insulator – 20 NF 630

Creepage distance / mm	445
Arcing distance / mm	270
Nominal current / A	630
Lightning impulse withstand voltage / KV	125
Wet power freq. withstand voltage / KV	75
Dry power freq. withstand voltage / KV	115
Average weight of insulator / Kg	6.3

Standard specification: DIN42532, IEC233, IEC137

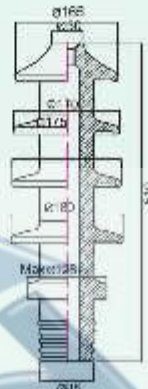


Bushing insulator 30 NF 630

Type: Transformer bushing insulator – 30 NF 630

Creepage distance / mm	635
Arcing distance / mm	360
Nominal current / A	630
Lightning impulse withstand voltage / KV	170
Wet power freq. withstand voltage / KV	70
Dry power freq. withstand voltage / KV	135
Average weight of insulator / Kg	8.5

Standard specification: DIN42532, IEC233, IEC137

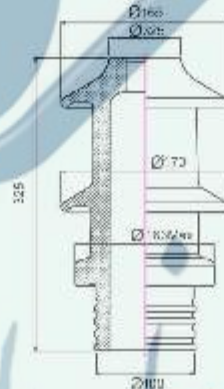


Bushing insulator 10 NF 1000

Type: Transformer bushing insulator – 10 NF 1000

Creepage distance / mm	340
Arcing distance / mm	180
Nominal current / A	1000
Lightning impulse withstand voltage / KV	75
Wet power freq. withstand voltage / KV	35
Dry power freq. withstand voltage / KV	105
Average weight of insulator / Kg	7.3

Standard specification: DIN42532, IEC233, IEC137

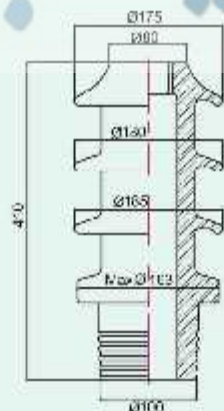


Bushing insulator 20 NF 1000

Type: Transformer bushing insulator – 20 NF 1000

Creepage distance / mm	480
Arcing distance / mm	260
Nominal current / A	1000
Lightning impulse withstand voltage / KV	125
Wet power freq. withstand voltage / KV	55
Dry power freq. withstand voltage / KV	105
Average weight of insulator / Kg	5.6

Standard specification: DIN42533, IEC233, IEC137



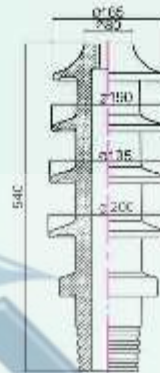


Bushing insulator 30 NF 1000

Type: Transformer bushing insulator – 30 NF 1000

Creepage distance / mm	635
Arcing distance / mm	360
Nominal current / A	1000
Lightning impulse withstand voltage / KV	170
Wet power freq. withstand voltage / KV	70
Dry power freq. withstand voltage / KV	-
Average weight of insulator / Kg	11.4

Standard specification: DIN42533, IEC233, IEC137



Bushing insulator 10 NF 3150

Type: Transformer bushing insulator – 10 NF 3150

Creepage distance / mm	290
Arcing distance / mm	180
Nominal current / A	3150
Lightning impulse withstand voltage / KV	75
Wet power freq. withstand voltage / KV	28
Dry power freq. withstand voltage / KV	-
Average weight of insulator / Kg	8.3

Standard specification: DIN42533, IEC233, IEC137

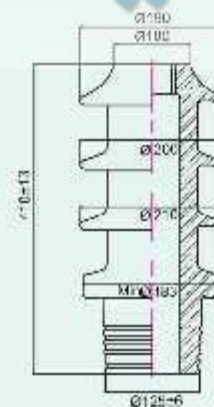


Bushing insulator 20 NF 3150

Type: Transformer bushing insulator – 20 NF 3150

Creepage distance / mm	445
Arcing distance / mm	260
Nominal current / A	3150
Lightning impulse withstand voltage / KV	125
Wet power freq. withstand voltage / KV	50
Dry power freq. withstand voltage / KV	85
Average weight of insulator / Kg	11

Standard specification: DIN42533, IEC233, IEC137





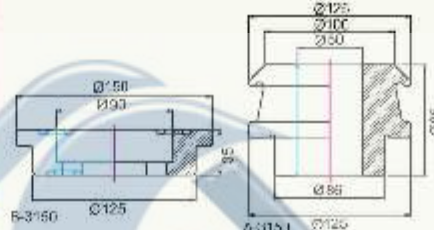
Bushing insulator A,B1-3150

Type: Transformer bushing insulator A1- 3150

Creepage distance / mm	100
Arcing distance / mm	90
Nominal current / A	3150
Wet power freq. withstand voltage / KV	12
Dry power freq. withstand voltage / KV	25
Average weight of insulator / Kg	1.3
Standard specification: DIN42530, IEC233	

TYPE	Nominal Current (A)
B1-3150	3150 (A)

Standard specification: DIN 42530



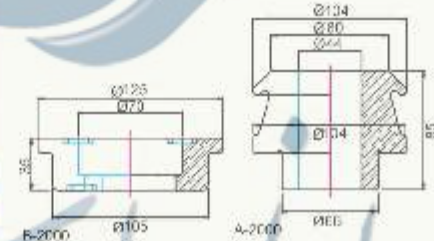
Bushing Insulator A,B1-2000

Type: Transformer bushing insulator A1- 2000

Creepage distance / mm	100
Arcing distance / mm	90
Nominal current / A	2000
Wet power freq. withstand voltage / KV	10
Dry power freq. withstand voltage / KV	25
Average weight of insulator / Kg	0.78
Standard specification: DIN42530, IEC233	

TYPE	Nominal Current (A)
B1-2000	2000 (A)

Standard specification: DIN 42530



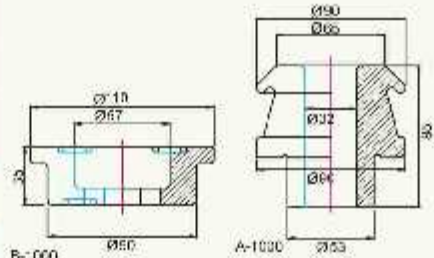
Bushing Insulator A,B1-1000

Type: Transformer bushing insulator A1- 1000

Creepage distance / mm	100
Arcing distance / mm	90
Nominal current / A	1000
Wet power freq. withstand voltage / KV	15
Dry power freq. withstand voltage / KV	25
Average weight of insulator / Kg	0.57
Standard specification: DIN42530, IEC233	

TYPE	Nominal Current (A)
B1-1000	1000 (A)

Standard specification: DIN 42530





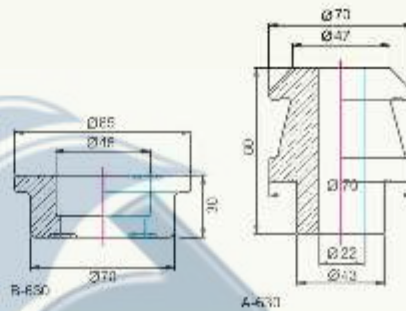
Bushing insulator A, B1-630

Type: Transformer bushing insulator A1- 630

Creepage distance / mm	95
Arcing distance / mm	85
Nominal current / A	630
Wet power freq. withstand voltage / KV	20
Dry power freq. withstand voltage / KV	30
Average weight of insulator / Kg	0.38

Standard specification: DIN42530, IEC233

TYPE	Nominal Current (A)
B1-630	630 (A)
Standard specification: DIN 42530	



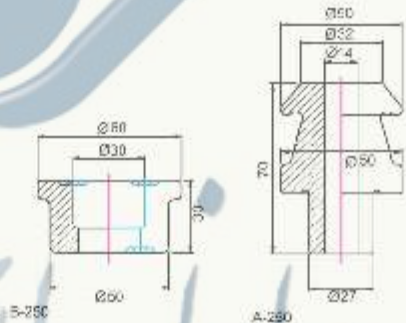
Bushing Insulator A, B1-250

Type: Transformer bushing insulator A1- 250

Creepage distance / mm	80
Arcing distance / mm	73
Nominal current / A	250
Wet power freq. withstand voltage / KV	15
Dry power freq. withstand voltage / KV	20
Average weight of insulator / Kg	0.152

Standard specification: DIN42530, IEC233

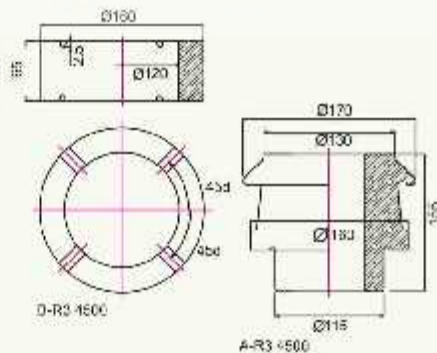
TYPE	Nominal Current (A)
B1-250	250 (A)
Standard specification: DIN 42530	



Bushing insulator A, BR3-4500

TYPE	Nominal Current (A)
AR3 - 4500	4500 (A)
Standard specification: DIN 42530	

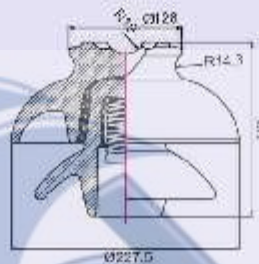
TYPE	Nominal Current (A)
BR3 - 4500	4500 (A)
Standard specification: DIN 42530	





Pin Insulator 20 kV

Technical Data	
Creepage distance / mm	432
Power frequency dry Flashover / k Ave.	80
Power frequency wet Flashover / kV Ave.	85
Power frequency puncture voltage / kV	145
Cantilever Strength / KN	13.6
Standard specification: ANSIC 29 - 5	



Disk Insulator 15000lb

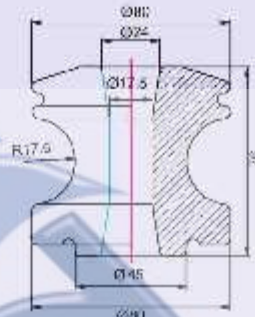
Technical Data		
Porcelain disk diameter / mm	254	
Unit spacing / mm	146	
Creepage distance / mm	292	
Electro mechanical failing load / KN	70	
Minimum Flashover voltage	Power Dry / kV	75
	Frequency Wet / kV	45
	50% Impulse Positive / kV	120
	Negative / kV	-
Withstand Voltage	Power Dry / kV	70
	Frequency Wet / kV	40
	Impulse / kV	110
Power frequency puncture voltage / kV	110	
Ball and socket size	16A	
Lacking device	R Clip	
Standard specification: IEC - 383		





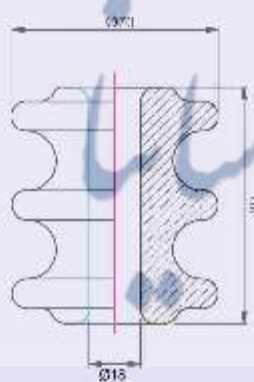
Spool insulator 1

Type: Spool insulator (3)		
Creepage distance / mm		-
Power frequency	Wet / kV	12
	Dry / kV	25
Transverse strength / kN		13.3
Weight / kG		0.41
Standard specification: ANSI C 29.3 - 1980		



Spool insulator 2

Type: Spool insulator (3)		
Creepage distance / mm		-
Power frequency	Wet / kV	10
	Dry / kV	18
Transverse strength / kN		10
Weight / kG		0.41
Standard specification: ANSI C 29.3 - 1980		





Zanjan Sadaf Gostar
Insulator Co.

We look forward to serving the purchasers, nationwide and beyond, constantly through our dedication to quality, firm belief in advancement and our solemn pledge to manufacture the state-of-the art products.

Thus we always endeavor to stay ahead and explore the best.

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