

LINE MATERIALS



METAL CRAFT INDUSTRIES

Ahmed Group - Metal Craft Industries

We, **Ahmed Group**, incepted in the year 2006, are well established manufacturers and suppliers of a qualitative range of Industrial and Fabrication Products. These products are available in numerous specifications, which can be customized as per the requirement of our clients. Our range is highly appreciated by our clients for the optimum quality, durability, sturdy construction, corrosion resistance and low maintenance characteristics.



Metal craft Industries is a metal fabrication company that is totally dedicated to serving the sign industry. We believe that our customers should never settle for less than the best. Our goal from the start was, is and always will be to manufacture and deliver the best metal products for the sign industry. When customers want the best, they turn to Metalcraft. We are proud of our reputation and will continue to provide quality products and unmatched service to our customers.



Metal craft Industries, a Nasik based firm, offering a variety of Lighting Poles, Pipes and Lines Materials. The variety of Lighting Poles Pipes and Lines Materials that we offer includes Tubular Poles (For Street Lighting & Transmission Lines), Decorative Lighting Poles, Octagonal Poles, High Mast Poles, M.S/G.I. Pipes, Electric Poles, Line Materials etc. Our organization is showing a substantial growth since the time of its establishment in the year 2013. We are flourishing at a fast pace under the due guidance of our knowledgeable Chairman, **Mr. Rahil Ahmed Siddique**. We have also carved a niche for ourselves among the topmost Poles Suppliers in India.



Our Mission

To build a strong brand and maintain superior quality standard for customer satisfaction.



Our Vision

Achieve numerous positions in pole, cable, and pipes industry in terms of volume, turnover and quality in the Asian Continent.



Our Quality

Our focus on quality is evident in our product range. We have never compromised on quality and have successfully achieved a high level of customer appreciation resulting in long-lasting relations.

Porcelain/Toughed Glass Suspension Insulator and Porcelain Long Rod Insulator

Toughed Glass Insulator (Socket Cap and Ball-Pin)



Porcelain Insulator (Socket Cap and Ball-Pin)



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Figure No.		1	2	3	3	4	4	5
ANSI Class		52-1	52-2	52-3	52-3	52-4	52-4	52-9
Creepage Distance mm		152	190	254	254	254	254	108
Porcelain Disc Diameter D. mm		140	146	146	146	146	146	160
Unit Spacing H. mm		178	210	292	292	292	292	271
Combined M & E Strength. kN		44	67	67	89	67	89	44
Impact Strength N-m		5	5.5	6	6	6	6	5
Routine Proof Test Load. kN		22	33.5	33.5	44.5	33.5	44.5	22
Time Load Test Value. kN		27	44	44	53.4	44	53.4	27
Low Frequency Flashover Voltage	Dry Flashover kV	60	65	80	80	80	80	60
	Wet Flashover kV	30	35	50	50	50	50	30
Critical Impulse Falshover Voltgae	Positive kV	100	115	125	125	125	125	100
	Negative kV	100	90	130	130	130	130	90
Low Frequency Puncture Voltage. kV		80	110	110	110	110	110	80
Raio Influence Voltae data	Test Voltage Ground kV	7.5	7.5	10	10	10	10	7.5
	Max. RIV at 1000kHz V	50	50	50	50	50	50	50
Weight kG		2.5	3.5	4.6	5.2	4.6	5.2	2.5
Appicabel Standard: ANSI C29.2								

Cat. No.		17001	17002	17003	17004
Figure No.		1	1	2	2
IEC Class		U70BL	U70C	U80BL	XP-80C
Type		XP-70	XP-70C	XP-80	XP-80C
Porcelain Disc Diameter D. mm		254	254	254	254
Unit Spacing H. mm		146	146	146	146
Standard Couping to IEC 120-471		16B	16C	16B	16C
Creepage Distance mm		292	292	292	292
Combined M & E Strength. kN		70	70	80	80
Routine Proof Test Load. kN		28	28	32	32
Power Frequency Flashover Voltage	Dry Flashover kV	78	78	78	78
	Wet Flashover kV	45	45	45	45
50% Impulse Falshover Voltgae	Positive kV	120	120	120	120
	Negative kV	125	125	125	125
Power Frequency Withstand Voltage	Dry. kV	70	70	70	70
	Wet. kV	40	40	40	40
Impulse Withstand Voltage kV		110	110	110	110
Power Frequency Punct Ure. Voltage kV		110	110	110	110
Weight kG		4.6	4.6	4.6	4.6
Appicabel Standard: ANSI IEC					

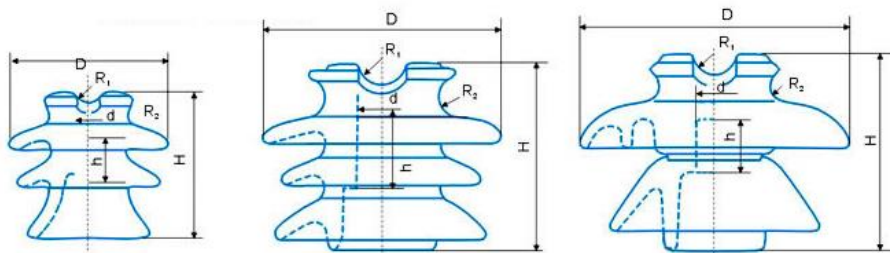


Fig.1

Fig.2

Fig.3

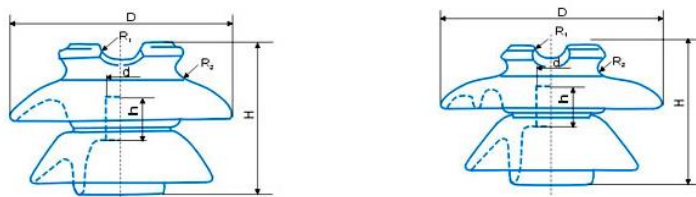


Fig.1

Fig.2

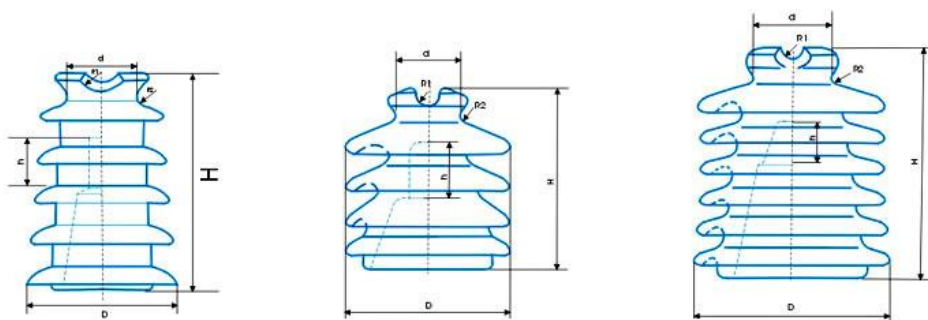


Fig.1

Fig.2

Fig.3



Pin Type Insulator



Cat. No.		16007	16008	16009	16010	
Type		P-11-Y	P-15-Y	P-20-Y	P-33-Y	
Figure No.		1	1	2	3	
Main Dimensions mm	H	133	137	165	244	
	h	48	48	52.63	52.63	
	D	140	152	230	279	
	d	18.29	18.29	27.78	27.78	
	R1	13	13	19	19	
	R2	9.5	12.7	14.3	13	
Nominal Voltage kV		11	15	22	33	
Creepage Distance mm		240	300	432	675	
Minimum Flashover Voltage	Power Frequency	Dry kV	75	80	100	135
		Wet kV	45	55	60	85
	50% Impulse	Positive KV	100	130	160	185
		Negative KV	110	175	205	220
Withstand Voltage KV	One Minute Power Frequency	Dry KV	65	70	90	110
		Wet KV	40	50	55	90
	Impulse Dry Withstand	80	110	150	170	
Radio Influence Voltage Data	Test Voltage to Ground uV	15	15	22	30	
	Max. RIV at 1000KNz uV	8000	8000	12000	16000	
Power Frequency Puncture Voltage kV		135	150	145	185	
Cantilever Strength kN		11	11	10	13.8	
Weight kG		1.8	2	5	11.5	
Applicable Standard: BS137						

Pin Type Insulator

Cat. No.		16011	16012	16013	16014
Type		56-1	56-2	56-3	56-4
Figure No.		1	1	2	2
Main Dimensions mm	H	146	165	191	241
	h	51	51	51	51
	D	191	229	267	304
	d	35	35	35	35
	R1	19	19	19	19
	R2	14	14	14	14
Dry Arcing Distance mm		178	165	191	241
Creepage Distance mm		330	432	533	686
Low Frequency Flashover Voltage	Dry kV	95	111	125	140
	Wet kV	60	70	80	95
Critical Impulse Flashover Voltage	Positive kV	150	175	200	225
	Negative kV	190	225	265	310
Radio Influence Voltage Data	Test Voltage to Ground uV	15	22	30	30
	Max. RIV at 1000KNz uV	100	100	100	200
Low Frequency Puncture Voltage kV		130	145	165	185
Cantilever Strength kN		11	13	13	13
Weight kG		3.8	7.0	7.6	12.5
Applicable Standard: ANSI					

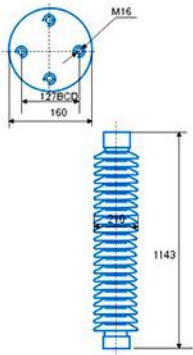


Fig.6

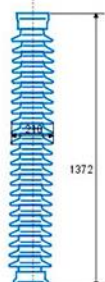


Fig.7

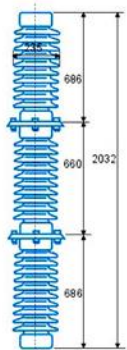


Fig.8

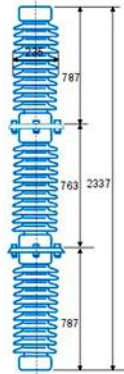


Fig.9

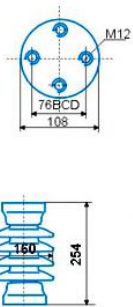


Fig.1

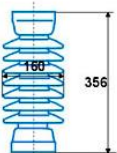


Fig.2

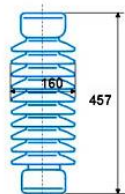


Fig.3

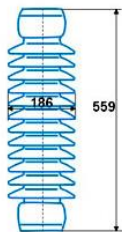


Fig.4

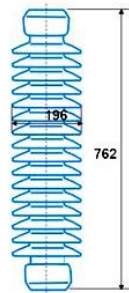


Fig.5



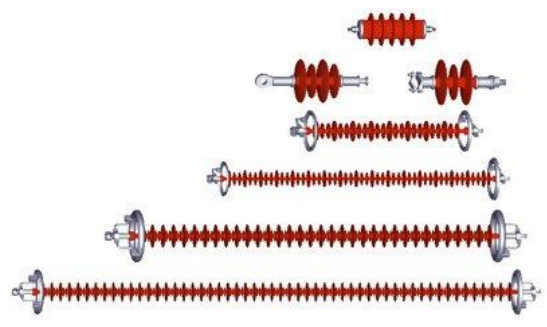
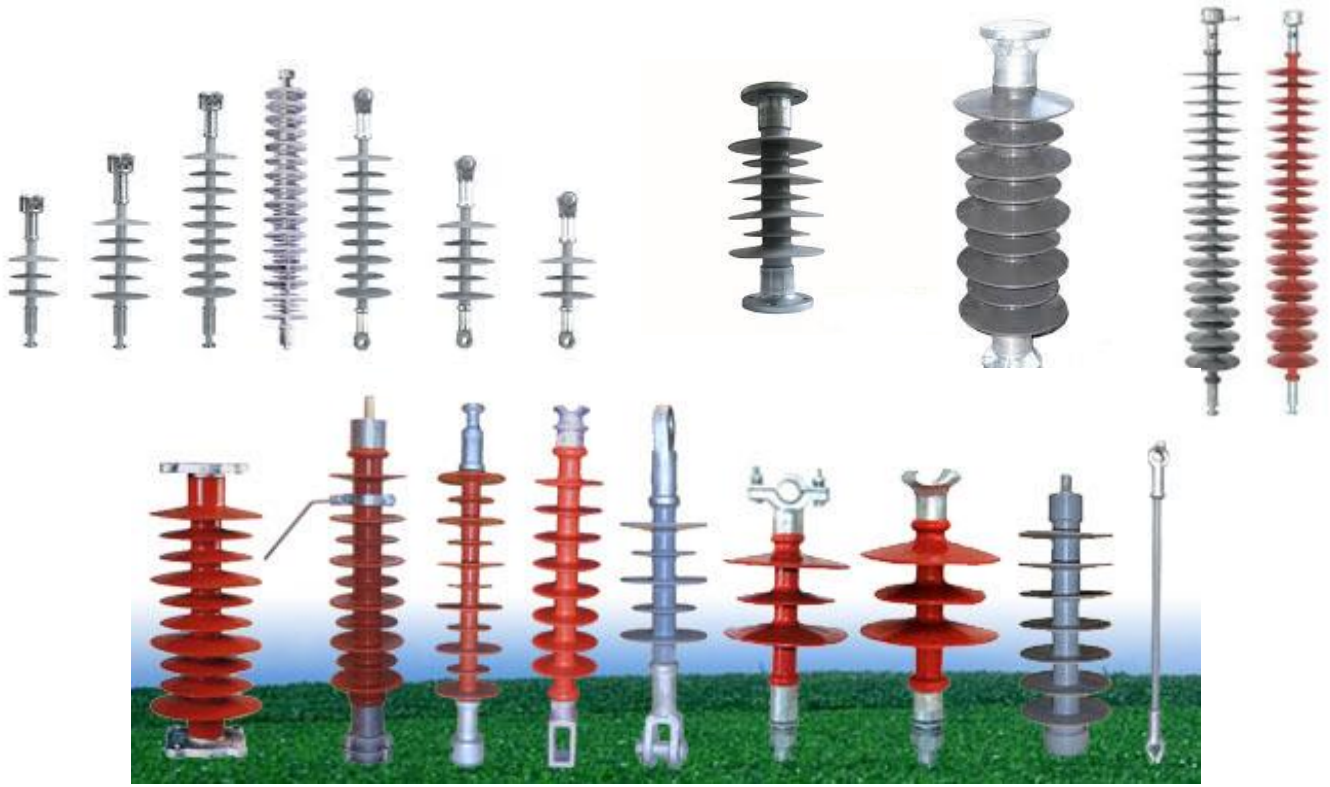
Solid Core Station Post Insulator

Type		TR-205	TR-208	TR-210	TR-214	TR-216
Figure No.		1	2	3	4	5
Creepage Distance mm		394	610	940	1092	1829
Cantilever Strength kN		8.9	8.9	8.9	8.9	6.7
Tensile Strength kN		38	44.5	53	62	71
Torsion Strength N.m		791	904	1130	1356	1695
Compression Strength kN		44.5	44.5	66.7	66.7	111
Low Frequency Flashover Voltage KV	Dry Flashover	85	110	145	170	235
	Wet Flashover	55	75	100	125	180
Critical Impulse Flashover Voltage KV	Positive	125	170	225	280	390
	Negative	200	250	290	340	475
Low Frequency Withstand Voltage KV	Dry Withstand	50	70	95	120	175
	Wet Withstand	45	60	80	100	145
Impulse Withstand Voltage kV		110	150	200	250	350
Weight KG		7	11	16	21	30
Applicable Standard: ANSI C29.9						

Solid Core Station Post Insulator

Type		TR-286	TR-288	TR-308	TR-316
Figure No.		6	7	8	9
Creepage Distance mm		2515	2946	4191	5029
Cantilever Strength kN		7.56	6.23	6.45	5.56
Tensile Strength kN		89	89	111	111
Torsion Strength N.m		4520	4520	10170	10170
Compression Strength kN		267	267	333	333
Low Frequency Flashover Voltage KV	Dry Flashover	385	435	575	660
	Wet Flashover	285	335	475	570
Critical Impulse Flashover Voltage KV	Positive	610	710	1010	1210
	Negative	780	900	1240	1450
Low Frequency Withstand Voltage KV	Dry Withstand	280	335	465	545
	Wet Withstand	230	275	385	455
Impulse Withstand Voltage kV		550	650	900	1050
Weight KG		62	71	122	150
Applicable Standard: ANSI C29.9					

Silicone Rubber Insulator



Spool Porcelain Insulator / Stay Porcelain Insulator



Spool Porcelain Insulator



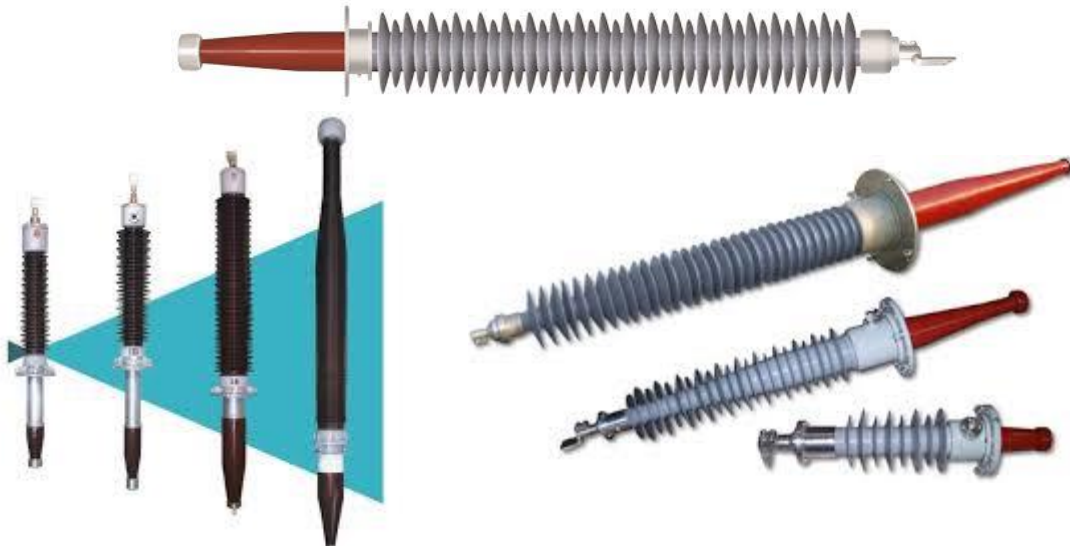
Stay Porcelain Insulator



Current/Voltage Transformer Bushing



Oil Impregnated Paper Condenser Type Transformer Bushing



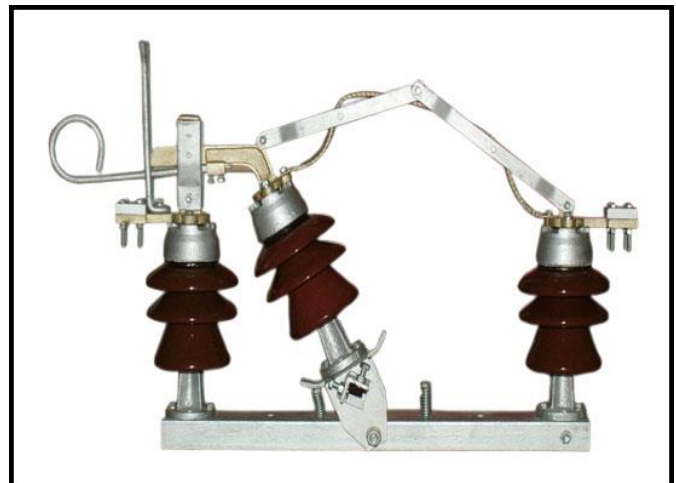
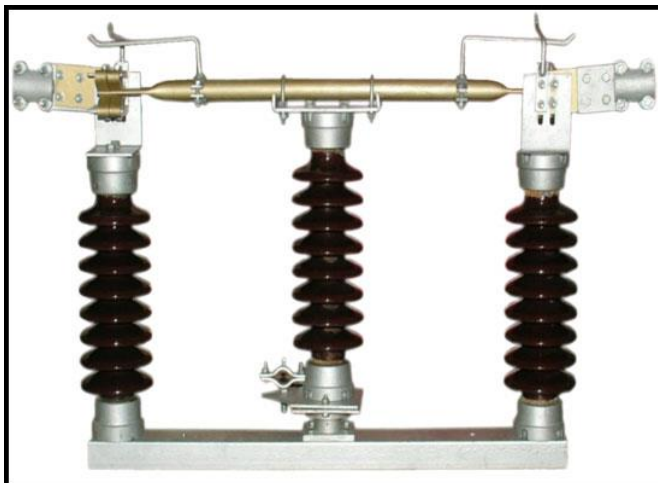
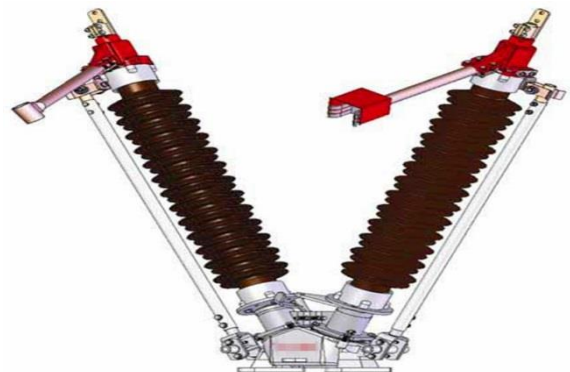
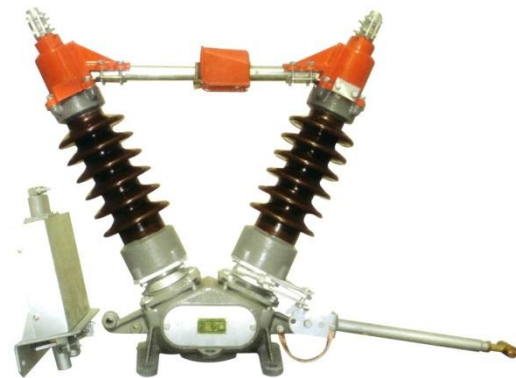
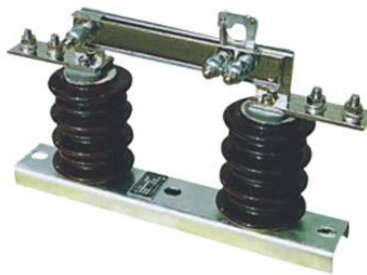
Assembled Shunt Capacitor



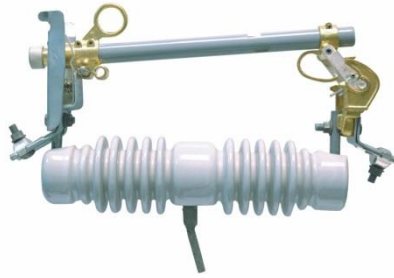
HV Shunt Capacitor



High-Voltage Isolator Switch Series



Porcelain Cutout Fuses



1.



2.



3.



Surge Arrester / Transformer

Silicon Rubber Housing MOA Surge Arrester



Housing Distribution Surge



Transformer







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