



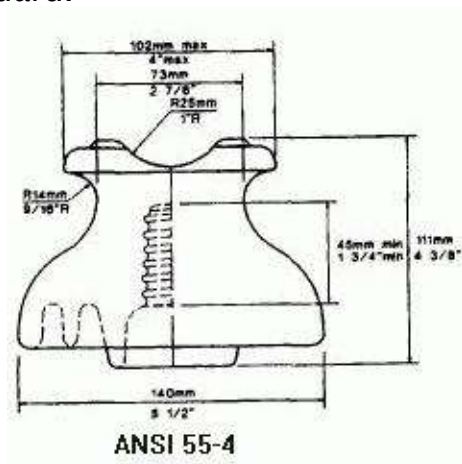
PIN TYPE INSULATORS ANSI C29.5/6 CLASS 55/56

Akron Porcelain & Plastic Company offers a full range of pin type insulators made of wet process porcelain. Both low voltage and high voltage designs are available and in compliance to applicable ANSI Class 55 and 56 standards. Tie top heads with a “C”, “F” and “J” neck designs are available. Hardware for either stud, cross arm or bracket mounting is also available.

Dimension and sizing detail along with product mechanical and electrical design criteria is shown on subsequent pages.

Voltage values are for reference only noting environmental conditions may effect ratings and require a higher rated insulator.

ANSI -70 Gray Glaze is standard.



Akron Porcelain & Plastics Co.
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**LOW VOLTAGE PIN-TYPE
ANSI C29.5 CLASS 55**

Stock #	551KG	552KG	553KG	554KG	555KG
Dimensions (in.)	1	1	1	1	1
Pin Hole Diameter	4	4	5	5	6
Recommended Pin Length	4	5	7	9	12
Leakage Distance	2-1/4	3-3/8	4-1/2		
Dry Arcing Distance					
Mechanical Values-Ultimate* Cantilever Strength (lbs.)	3000	2500	2500	3000	3000
Electrical Values (kV)					
Typical Voltage Class	4.8	7.5	11.5	13.5	15
Low Frequency Dry Flashover	35	45	55	65	80
Low Frequency Wet Flashover	20	25	30	35	45
Impulse Flashover, Positive	50	70	90	105	130
Impulse Flashover, Negative	70	85	110	130	150
Low Frequency Puncture Voltage	50	70	90	95	115
Radio Influence Voltage Data					
Test Voltage, RMS to Ground (kV)	5	5	10	10	15
Maximum RIV at 1000 kHz (kV)	50	50	50	50	100
Packing & Shipping Data					
Net Weight Each (lbs.)	1.28	1.50	2.03	3.5	5.5
Packed Weight Each (lbs.)	1.37	1.57	2.30	3.67	7.33
Standard Package Qty.	48	32	24	18	6

*Maximum Recommended Working Load = 40% of Cantilever Rating
GR = Gray Glaze, Radio-Treated.



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HIGH VOLTAGE PIN- TYPE
ANSI C29.6 CLASS 56

Stock #	561KG	562KG	563KG
Dimensions (in.) Leakage Distance Dry Arcing Distance Minimum Pin Height	13 7 6	17 8-1/4 7	21 9-1/2 8
Mechanical Values-Ultimate* Cantilever Strength (lbs.)	2500	3000	3000
Electrical Values (kV) Typical Voltage Class Low Frequency Dry Flashover Low Frequency Wet Flashover Impulse Flashover, Positive Impulse Flashover, Negative Low Frequency Puncture Voltage	23 95 60 150 190 130	23 110 70 175 225 145	34.5 125 80 200 265 165
Radio Influence Voltage Data Test Voltage, RMS to Ground (kV) Maximum RIV at 1000 kHz (kV)	15 100	22 100	30 200
Packing & Shipping Data Net Weight Each (lbs.) Packed Weight Each (lbs.) Standard Package Qty.	7 8.8 6	9.5 12.5 6	15 19 3

*Maximum Recommended Working Load = 40% of Cantilever Rating
GR = Gray Glaze, Radio-Treated. Standard 1-**3/8"** Diameter Thread.



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