

# SPECIFICATION COMPARISON TABLES



## ANSI SPECIFICATION COMPARISON TABLE

### LINE POST INSULATORS

	ANSI CLASS	Typical application	Leakage distance	Dry arc distance	Cantilever strength	Dry flashover	Wet flashover	Impulse flashover	RIV @ 1MHz	Part weight
		kV	Inches	Inches	lbs.	kV	kV	kV	pV	lbs.
ANSI	51-1F		10	5.2	2400	55	30	95	50	
LPI-400		15	13.9	7.8	2500	80(w)	59(f)	130(w)		5.1
ANSI	51-2F		14	6.5	2400	70	50	120	100	
LPI-600		25	23.6	11	2500	130(f)	94(w)	160(w)	<10	7
ANSI	51-3F		22	9.5	2400	100	70	160	100	
LPI-900		35	34.5	14.3	2500	133(f)	94(w)	219(w)	<10	10.8
ANSI	51.4F		29	12.25	2400	125	95	200	100	
LPI 1100		35	45.3	19.4	2500	170(f)	139(w)	268(w)	<10	15.2

(f) = denotes tested flashover value

(w) = denotes tested withstand value

## ANSI SPECIFICATION COMPARISON TABLE

### PIN INSULATORS

	ANSI CLASS	Typical application	Leakage distance	Dry arc distance	Cantilever strength	Dry flashover	Wet flashover	Lightning impulse	RIV @ 1MHz	Part weight
		kV	Inches	Inches	lbs.	kV	kV	kV	pV	lbs.
ANSI	55-4		9	5	3000	65	35	130	50	
PI-400		15	14.9	8.5	3000	80(w)	59(f)	130(w)		4.6
ANSI	55-5		12	6.25	3000	80	45	150	100	
PI-600-1"		25	24.4	11.9	3000	103(f)	94(w)	160(w)	<10	6.8
ANSI	56-1		13	7	2500	95	60	190	100	
PI-600-1 3/8 "		25	24.4	11.9	2500	103(f)	94(w)	160(w)	<10	6.8
ANSI	55-6		15	8	3000	100	50	170	100	
PI-900- 1"		35	36.1	16.1	3000	133(f)	94(w)	219(w)	<10	10.3
ANSI	55-7		15	8	3000	100	50	170	100	
PI-900-1 3/8 "		35	36.1	16.1	3000	133(f)	94(w)	219(w)	<10	10.3

(f) = denotes tested flashover value

(w) = denotes tested withstand value

# SPECIFICATION COMPARISON TABLES



## ANSI SPECIFICATION COMPARISON TABLE

### CLAMP TOP INSULATORS

	ANSI CLASS	Typical application	Leakage distance	Dry arc distance	Cantilever strength	Dry flashover	Wet flashover	Lightning impulse	RIV @ 1MHz	Part weight
		kV	inches	inches	lbs.	kV	kV	kV	pV	lbs.
ANSI	51-11		10	5.2	2400	55	30	95	50	
LPI-400 ICT		15	15.2	8	2500	80(w)	59(f)	130(w)		6.8
ANSI	51-12		14	6.5	2400	70	50	120	100	
LPI-600 ICT		25	24.9	11.1	2500	130(f)	94(w)	160(w)	<10	9
ANSI	51-13		22	9.5	2400	100	70	160	100	
LPI-900 CT		35	34	16.3	2500	130(w)	104(w)	233(f)	<10	12.8
ANSI	51-14		29	12.25	2400	125	95	200	100	
LPI-900 CT		35	34	16.3	2500	130(w)	104(w)	233(f)	<10	12.8
ANSI	51-16		51	19.25	2400	180	150	300	200	
LPI-2500 CT		Up to 72	98.4	29.9	2500	275(w)	220(w)	420(w)		40.7

(f) = denotes tested flashover value

(w) = denotes tested withstand value

## IEC SPECIFICATION COMPARISON TABLE

	Insulator Designation	Typical application	Lightning impulse withstand	Wet Power Frequency	Dry arc distance	Leakage distance	Cantilever strength	Base Diametre	Bottom metal fitting	Part weight
		kV	kV	kV	mm	mm	kN	mm		Kg
<b>PIN INSULATORS</b>										
PI-400		11	130(w)	59(f)	217	374	12.5	90	Up to M24	2.1
PI-600		22	160(w)	94(w)	301	621	11	90	Up to M24	3.1
PI-900		33	219(w)	94(w)	409	917	11	94	Up to M24	4.7
PI-1100		33	268(w)	139(w)	534	1190	11	112	Up to M24	6.7
<b>LINE POST INSULATORS</b>										
LPI-400		11	130(w)	59(f)	202	385	11	90	Up to M24	3.1
LPI-600		22	160(w)	94(w)	280	600	11	90	Up to M24	3.2
LPI-900		33	219(w)	94(w)	364	877	11	94	Up to M24	4.9
LPI-1100		33	268(w)	139(w)	494	1150	11	112	Up to M24	6.9
LPI-2500		66	434(f)	220(w)	769	2535	11	148	Up to M24	17
<b>CLAMP TOP INSULATORS</b>										
LPI-400 ICT		15	130(w)	59(f)	202	385	11	90	Up to M24	6.8
LPI-600 ICT		22	160(w)	94(w)	282	632	11	90	Up to M24	4.1
LPI-900 CT		33	233(f)	104(w)	415	864	11	94	Up to M24	5.8
LPI-1100 CT		33	261(f)	140(w)	491	1151	11	112	Up to M24	9
LPI-2500 CT		66	420(w)	220(w)	760	2500	11	148	Up to M24	18.5

(f) = denotes tested flashover value

(w) = denotes tested withstand value