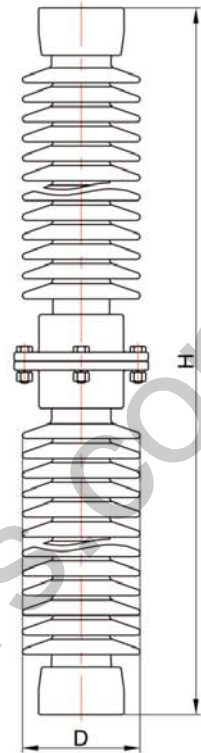


▪ FIG 7.2.1



▪ FIG 7.2.2

7.2 Station post insulators ANSI standard

ANSI designation		Unit	TR202	TR222	TR205
Figure No.			7.2.1		
Height "H"		inches	7.5	10	10
Max. shed diameter "D"		inches	7.1	7.5	7.1
Creepage distance		inches	10.5	10.5	15.5
Top cap P.C.D./Max. cap diameter		inches	3/4	5/6.2	3/4.1
Bottom cap P.C.D./Max. cap diameter		inches	3/4	5/6.2	3/4.1
Cantilever strength		pounds	2000	4000	2000
Tensile strength		pounds	7000	15000	8500
Torsional strength		inch-pounds	6000	12000	7000
Compression strength		pounds	10000	20000	10000
Critical impulse flashover voltage	Positive	kV	105	105	125
Low frequency withstand voltage	Wet	kV	30	30	45
Lightning impulse withstand voltage		kV	95	95	110
Radio influence voltage data	Test voltage, rms to ground	kV	5	5	10
	Max. RIV, at 1000kHz	μ V	50	50	50
Net weight		pounds	13	34	15
Applicable standard			ANSI C29.9		



Station post insulators

7.2 Station post insulators ANSI standard

TR225	TR208	TR227	TR210	TR231	TR214	TR267	TR216
7.2.1							
12	14	15	18	20	22	24	30
8.1	7.0	9.0	7.5	10.0	8.0	10.0	9.2
15.5	24	24	37	37	43	43	72
5/6.3	3/4.4	5/6.3	3/4.4	5/6.3	3/5.1	5/6.4	3/5.1
5/6.3	3/4.4	5/6.3	3/4.4	5/6.3	3/5.1	5/6.4	3/5.1
4000	2000	4000	2000	4000	2000	4000	1500
20000	10000	20000	15000	25000	14000	25000	16000
14000	8000	16000	10000	20000	12000	20000	15000
20000	10000	20000	5000	30000	15000	60000	25000
125	170	170	225	225	280	280	390
45	60	60	80	80	100	100	145
110	150	150	200	200	250	250	350
10	15	15	22	22	30	30	44
50	100	100	100	100	200	200	200
44	26	40	47	76	54	87	68
ANSI C29.9							

POWER SYSTEM

ANSI designation		Unit	TR278	TR286	TR287
Figure No.			7.2.1		
Height "H"		inches	30	45	45
Max. shed diameter "D"		inches	9.7	10.5	12
Creepage distance		inches	72	99	99
Top cap P.C.D./Max. cap diameter		inches	5/6.3	5/6.4	5/6.3
Bottom cap P.C.D./Max. cap diameter		inches	5/6.3	5/6.4	5/6.3
Cantilever strength		pounds	3000	1700	2600
Tensile strength		pounds	25000	20000	25000
Torsional strength		inch-pounds	40000	40000	90000
Compression strength		pounds	60000	60000	75000
Critical impulse flashover voltage	Positive	kV	390	610	610
Low frequency withstand voltage	Wet	kV	145	230	230
Lightning impulse withstand voltage		kV	350	550	550
Radio influence voltage data	Test voltage, rms to ground	kV	44	73	73
	Max. RIV, at 1000kHz	μ V	200	200	200
Net weight		pounds	102	141	117
Applicable standard			ANSI C29.9		

ANSI designation		Unit	TR362	TR324	TR367
Figure No.			7.2.2		
Height "H"		inches	92	106	106
Max. shed diameter "D"		inches	10.9	10.5	10.5
Creepage distance		inches	198	231	231
Top cap P.C.D./Max. cap diameter		inches	7/8.5	5/6.3	5/6.3
Bottom cap P.C.D./Max. cap diameter		inches	7/8.5	5/6.3	7/8.7
Cantilever strength		pounds	2300	1000	1450
Tensile strength		pounds	40000	25000	20000
Torsional strength		inch-pounds	120000	90000	40000
Compression strength		pounds	100000	75000	60000
Critical impulse flashover voltage	Positive	kV	1210	1410	1410
Low frequency withstand voltage	Wet	kV	455	525	525
Lightning impulse withstand voltage		kV	1050	1300	1300
Radio influence voltage data	Test voltage, rms to ground	kV	146	220	220
	Max. RIV, at 1000kHz	μ V	500	1000	1000
Net weight		pounds	278	245	265
Applicable standard			ANSI C29.9		

7.2 Station post insulators ANSI standard

TR288	TR289	TR291	TR295	TR304	TR308	TR312	TR316
7.2.1				7.2.2			
54	54	62	62	80	80	92	92
10.5	12	10.5	12	10.5	12	10.5	12
116	116	132	132	165	165	198	198
5/6.3	5/6.3	5/6.3	5/6.3	5/6.3	5/6.3	5/6.3	5/6.3
5/6.3	5/6.3	5/6.3	5/6.3	5/6.3	5/6.3	5/6.3	5/6.3
1400	2200	1200	1850	950	1450	800	1250
20000	25000	20000	25000	20000	25000	20000	25000
40000	90000	40000	90000	40000	90000	40000	90000
60000	75000	60000	75000	60000	75000	60000	75000
710	710	810	810	1010	1010	1210	1210
275	275	315	315	385	385	455	455
650	650	750	750	900	900	1050	1050
88	88	103	103	146	146	146	146
200	200	500	500	500	500	500	500
139	139	174	153	190	228	273	342
ANSI C29.9							

TR368	TR369	TR330	TR371	TR372	TR373	TR379	TR391
7.2.2							
106	106	122	122	122	122	128	152
10.9	10.5	10.5	10.5	10.9	10.5	10.5	10.5
231	231	264	264	264	264	280	330
7/8.5	5/6.3	5/6.3	5/6.3	7/8.5	5/6.3	5/6.3	5/6.3
7/8.5	7/8.5	5/6.3	7/8.5	7/8.5	7/8.5	7/8.5	7/8.5
2000	2050	900	1170	1750	1750	1700	1400
40000	20000	25000	20000	40000	20000	20000	20000
120000	40000	90000	40000	120000	40000	40000	40000
100000	60000	75000	60000	100000	60000	60000	60000
1410	1410	1610	1610	1610	1610	1710	2000
525	525	590	590	590	590	620	710
1300	1300	1470	1470	1470	1470	1550	1800
220	220	220	220	210	220	318	318
1000	1000	1000	1000	1000	1000	2000	2000
369	366	287	314	395	393	422	487
ANSI C29.9							