

PORCELAIN INSULATORS

AND BUSHINGS... for the Harshes Environment



Serving the needs of the Global Electric Power Industry



Eger Products provides the highest quality porcelain insulators and porcelain bushings to switchgear and transformer manufacturers around the world. Large utilities, bus-duct and high-voltage switch manufacturers, along with service and repair shops rely on us for their porcelain A20 and A30 bus insulators, porcelain standoff insulators, porcelain station post insulators, and porcelain bushings. NEMA Rated A20 and A30 Indoor Bus Support Insulators

A20 Bus Insulators

Part No.	A20-1	A20-2	A20-3	A20-4
Perimeter Bolt Holes	3/8-16	3/8-16	3/8-16	3/8-16
Center Bolt Hole	1/2-13	1/2-13	1/2-13	1/2-13
Height (Inches)	3.5	4.5	6	7.5
Diameter (Inches)	4.5	4.5	4.5	4.5
Bolt Circle (Inches)	2	2	2	2
Voltage Rating (kV)	4.8	7.2	13.2	14.4
Impulse Withstand (kV)	60	75	95	110
Low Freq. Dry Withstand (kV)	19	26	36	50
Cantilever Strength (In. - lbs.)	1000	1500	1250	1000
Torsion Strength (in. - lbs.)	2500	3500	3500	3500
Tension Strength (lbs.)	2000	3000	3000	300
Compression Strength (lbs.)	20000	20000	20000	20000

A30 Bus Insulators

Part No.	A30-1	A30-2	A30-3	A30-4	A30-5	A30-6
Perimeter Bolt Holes	1/2-13	1/2-13	1/2-13	1/2-13	1/2-13	1/2-13
Center Bolt Hole	3/4-10	3/4-10	3/4-10	3/4-10	3/4-10	3/4-10
Height (Inches)	3.5	4.5	6	7.5	10.5	15
Diameter (Inches)	6	6	6	6	6	6
Bolt Circle (Inches)	3	3	3	3	3	3
Voltage Rating (kV)	4.8	7.2	13.2	14.4	23	34.5
Impulse Withstand (kV)	60	75	95	110	150	200
Low Freq. Dry Withstand (kV)	19	26	36	50	60	80
Cantilever Strength (In. - lbs.)	2000	3000	2500	2000	1500	1250
Torsion Strength (in. - lbs.)	4500	6000	6000	6000	6000	6000
Tension Strength (lbs.)	3500	5000	5000	5000	5000	5000
Compression Strength (lbs.)	30000	30000	30000	30000	30000	30000

Porcelain Station Post Insulators

Meister International supplies Porcelain Station Post Insulators for application through 1800kV BIL. Listed below are the most commonly requested station post insulators used in both Utility and Industrial Substations. All station post insulators are tested to the requirements of ANSI C29.9

7.5kV to 69kV Station Post Insulators Standard Strength (3 inch bolt circle)

TR#	Voltage (kV)	BIL (kV)	Height (In.)	Cantilever (lbs.)
TR202	7.5	95	7.5	2000
TR205	15	110	10	2000
TR208	23	150	14	2000
TR210	34.5	200	18	2000
TR214	46	250	22	2000
TR216	69	350	30	1500

High Strength (3 inch bolt circle)

TR#	Voltage (kV)	BIL (kV)	Height (In.)	Cantilever (lbs.)
TR222	7.5	95	10	4000
TR225	15	110	12	4000
TR227	23	150	15	4000
TR231	34.5	200	20	4000
TR267	46	250	24	4000
TR278	69	350	30	3000

115kV to 230kV Station Post Insulators Standard Strength (5 inch bolt circle)

TR#	Voltage (kV)	BIL (kV)	Height (In.)	Cantilever (lbs.)
TR286	115	550	45	1700
TR288	138	650	54	1450
TR291	161	750	62	1200
TR304	230	900	80	950
TR312	230	1050	92	800

High Strength (5 inch bolt circle)

TR#	Voltage (kV)	BIL (kV)	Height (In.)	Cantilever (lbs.)
TR287	115	550	45	2600
TR289	138	650	54	2200
TR295	161	750	62	1850
TR308	230	900	80	1450
TR316	230	1050	92	1250

345kV to 500kV Station Post Insulators

TR#	Voltage (kV)	BIL (kV)	Height (In.)	Cantilever (lbs.)	Top BHC (In.)	Bottom BHC (In.)
TR324	345	1300	106	1000	5	5
TR367	345	1300	106	1450	5	7
TR368	345	1300	106	2000	7	7
TR369	345	1300	106	2050	5	7
TR330	345	1470	122	900	5	5
TR371	345	1470	122	1170	5	7
TR372	345	1470	122	1750	7	7
TR373	345	1470	122	1750	5	7
TR379	500	1550	128	1700	5	7
TR391	500	1800	152	1400	5	7

Porcelain Standoff Insulators

These Porcelain Standoff Insulators are made from the highest quality wet process electrical porcelain. The inserts are brass and are held in place with portland cement. All insulators are tested electrically after assembly.

Porcelain Standoff Insulators for OEM & Utility Applications

Meister Intl Part Number	Dimensions (Inches)		Insert Thread Each End	Minimum Creep (Inches)	Strike (Inches)	Voltage (kV) Rating	BIL kV	STRENGTH RATING IN LBS.		
	Diameter	Height						Cantilever 5/8" above top	Tension	Compression
MI-70100	2	2 1/2	3/8" - 16	3	2 1/2	2.5	45	550	1375	6500
MI-70105	2	3 1/2	3/8" - 16	4 1/2	3 1/2	5	75	350	1400	6500
MI-70110	2	5 1/8	3/8" - 16	7	5 1/8	8.7	95	225	1600	6500
MI-70125	2 1/2	3	3/8" - 16	4 1/2	3	5	60	425	1775	8000
MI-70130	2 1/2	4	3/8" - 16	7	4	8.7	75	425	1775	8000
MI-70135	2 1/2	5	3/8" - 16	7 1/2	5	8.7	95	300	1700	8000
MI-70140	2 1/2	6	3/8" - 16	10 1/2	6	15	110	225	1850	8000
MI-70145	2 3/4	3 1/8	3/8" - 16	5	3 1/8	5	60	500	1900	8500
MI-70150	3 1/8	2 5/8	1/2" - 13	4	2 5/8	5	60	525	1800	10000
MI-70151	3 1/8	2 5/8	3/8" - 16	4	2 5/8	5	60	525	1800	10000
MI-70152	3 1/8	2 5/8	3/8" - 16	4	2 5/8	5	60	525	1800	10000
MI-70155	3 1/8	3 3/8	3/8" - 16	5	3 3/8	5	60	515	1925	10000
MI-70160	3 1/8	3 3/8	1/2" - 13	5	3 3/8	5	60	515	1925	10000
MI-70165	3 1/8	4	1/2" - 13	6	4	7.5	75	510	2000	10000
MI-70169	3 1/8	5	3/8" - 16	7 1/4	5	8.7	95	275	1725	10000
MI-70170	3 1/8	5	1/2" - 13	7 1/4	5	8.7	95	275	1725	10000
MI-70174	3 1/8	6	3/8" - 16	10 5/8	6	15	110	260	1600	8000
MI-70175	3 1/8	6	3/8" - 16	10 5/8	6	15	110	260	1600	8700
MI-70176	3 1/8	6	1/2" - 13	10 5/8	6	15	110	260	1600	8000
MI-70190	3 1/2	3 1/2	1/2" - 13	6 1/4	3 1/2	7.5	75	700	2400	12000
MI-70195	3 1/2	4 1/2	1/2" - 13	6 1/2	4 1/2	8.7	95	400	1725	12000
MI-70200	3 1/2	3 1/4	1/2" - 13	4	3 1/4	5	60	800	2750	15000
MI-70205	4	3 15/16	1/2" - 13	7 5/8	3 15/16	8.7	75	750	2350	20000
MI-70210	4	4 5/8	1/2" - 13	9 1/4	4 5/8	8.7	95	575	1900	20000
MI-70214	4	6	3/8" - 16	12 3/8	6	15	110	375	2000	20000
MI-70215	4	6	1/2" - 13	12 3/8	6	15	110	375	2000	20000

Guy Strain Insulators

ANSI Class	DIM. L	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E	Maximum Cable Size	Ultimate Strength
54-1	3 1/2"	1 3/4"	2 1/2"	2 1/2"	5/8"	1 3/4"	3/8"	10000 lbs.
54-2	4 1/4"	2 1/4"	3"	2 7/8"	7/8"	2 1/8"	1/2"	12000 lbs.
54-3	5 1/2"	3 1/8"	4 1/16"	3 3/8"	1"	2 3/8"	5/8"	20000 lbs.
54-4	6 3/4"	2 5/8"	4 1/2"	3 1/2"	1"	2 3/8"	5/8"	20000 lbs.

Spool Insulators

ANSI Class	FIG. No.	Ultimate Strength	Low Frequency Flashover kV Dry	Low Frequency Flashover kV Wet		Approx. Weight Per 100
				VERT.	HORZ.	
53-1	1	2000 lbs.	20	8	10	50 lbs.
53-2	2	3000 lbs.	25	12	15	118 lbs.
53-3	-	4000 lbs.	25	12	15	134 lbs.
53-4	3	4500 lbs.	25	12	15	250 lbs.
53-5	-	6000 lbs.	35	18	25	258 lbs.

