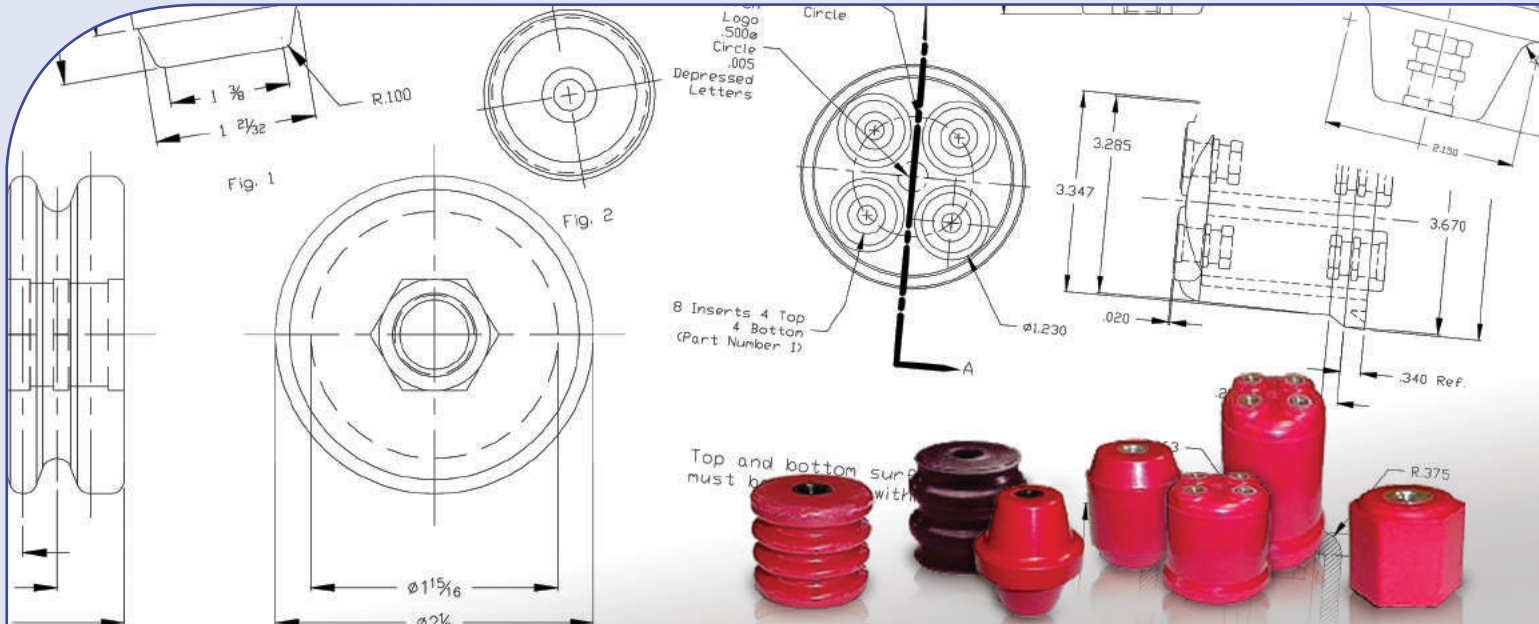


STANDOFF INSULATORS



Physical & Electrical Properties of Standoff Insulators

Series	1641	2710	2781	3061	5405	5420	5612
Tensile Strength (lbs)	2,500	7,000	3,500	1,800	6,500	6,500	1,000
Cantilever Strength (lbs)	2,000	10,000	1,500	800	2,000	1,500	675
Height Tolerance (in)	±0.015	±0.015	±0.015	±0.015	±0.015	±0.015	±0.015
Voltage Rating (V) *	2,500	3,400-5,500	3,200-5,000	600-2,700	5,000	15,000	600
Arc Resistance (sec)	180+	195+	180+	180+	180+	180+	180+
Tracking Index (V)	500+	500+	500+	500+	500+	500+	500+
Creep Distance (in) **	3.250	H+0.500	H + 0.313	H + 0.250	4.000	7.000	H
Basic Impulse Level (V)	N/A	N/A	N/A	N/A	60,000	90,000	N/A
Dielec. Strength, ST (V)	20,000	20,000	20,000	18,000	20,000	20,000	5,000
Water Absorption (%)	0.14	0.14	0.14	0.14	0.14	0.14	0.14
UL Flame Resistance	94 V-0	94 V-0	94 V-0	94 V-0	94 V-0	94 V-0	94 V-0

* Voltage rating increases with insulator height

** H = insulator height

NOTE: This technical data is believed to be reliable. However, data is not to be construed as a warranty or representation for which Penn Compression assumes legal responsibility. Users should perform sufficient verification and testing to determine suitability for their own specific use. 2/24/97 Rev. 1

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STANDOFF INSULATORS



1641 SERIES Standoff Electrical Insulators - 2-1/2" Diameter Round Body

Part #	Height (in)	Voltage	Threads (Size x Depth)	Max Weight (lbs)	Box Qty
AR1641-11A	2-1/8	2,500	5/8-11 x 5/8	32	48
AR1641-13A	2-1/8	2,500	1/2-13 x 9/16	32	48
AR1641-14A	2-1/8	2,500	7/16-14 x 1/2	32	48
AR1641-16A	2-1/8	2,500	3/8-16 x 9/16	32	48



2710 SERIES Standoff Electrical Insulators - 3" Round Body

Part #	Height (in)	Voltage	Threads (Size x Depth)	Max Weight (lbs)	Box Qty
AR2710-11A	2-5/8	3,400	5/8-11 x 3/4	20	18
AR2710-11AM	2-5/8	3,400	5/8-11 x 3/4	20	18
AR2710-11AS	2-5/8	3,400	5/8-11 x 3/4	20	18
AR2710-11D	3-3/8	4,500	5/8-11 x 3/4	25	12
AR2710-11DM	3-3/8	4,500	5/8-11 x 3/4	25	12
AR2710-11F	3-7/8	5,500	5/8-11 x 3/4	25	12
AR2710-10D	3-3/8	4,500	3/4-10 x 7/8	16	9
AR2710-13AM	2-5/8	3,400	1/2-13 x 3/4	25	18



2781 SERIES Standoff Electrical Insulators - 2-1/2" Diameter Round Body

Part #	Height (in)	Voltage	Threads (Size x Depth)	Max Weight (lbs)	Box Qty
AR2781-11A	2-1/2	3,200	5/8-11 x 5/8	33	48
AR2781-11B	2-3/4	3,600	5/8-11 x 5/8	34	48
AR2781-11C	3	3,600	5/8-11 x 5/8	35	48
AR2781-11S	2-5/8	3,400	5/8-11 x 5/8	30	48
AR2781-13A	2-1/2	3,200	1/2-13 x 9/16	33	48
AR2781-13B	2-3/4	3,600	1/2-13 x 9/16	34	48
AR2781-13C	3	3,600	1/2-13 x 9/16	35	48
AR2781-13S	2-5/8	3,400	1/2-13 x 9/16	30	48
AR2781-16A	2-1/2	3,200	3/8-16 x 3/4	33	48
AR2781-16B	2-3/4	3,600	3/8-16 x 3/4	34	48
AR2781-16C	3	3,600	3/8-16 x 3/4	35	48
AR2781-16D ¹	3-1/4	4,500	3/8-16 x 3/4	36	48
AR2781-16E	3-1/2	5,000	3/8-16 x 3/4	33	36
AR2781-16F ²	3-3/4	5,000	3/8-16 x 3/4	20	30
AR2781-16S	2-5/8	3,400	3/8-16 x 3/4	30	48
AR2781-8ME	3-1/2	5,000	M8 x 3/8	33	36

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STANDOFF INSULATORS



3061 SERIES Standoff Electrical Insulators - 1-3/4" Round Body

Part #	Height (in)	Voltage	Threads (Size x Depth)	Max Weight (lbs)	Box Qty
AR3061-11E*	2-1/4	2,700	5/8-11 x 5/8	29	70
AR3061-13C*	1-3/4	2,000	1/2-13 x 9/16	25	75
AR3061-13D	2	2,300	1/2-13 x 9/16	27	75
AR3061-13E	2-1/4	2,700	1/2-13 x 9/16	29	70
AR3061-16A	1-3/8	600	3/8-16 x 5/16	23	100
AR3061-16B	1-1/2	1,500	3/8-16 x 5/16	24	100
AR3061-16C	1-3/4	2,000	3/8-16 x 9/16	27	75
AR3061-16D	2	2,300	3/8-16 x 9/16	28	75
AR3061-16E	2-1/4	2,700	3/8-16 x 9/16	29	70
AR3061-16G	2-3/4	2,700	3/8-16 x 9/16	25	50
AR3061-16S	1-3/16	600	3/8-16 x 5/16	23	125
AR3061-18B	1-1/2	750	5/16-18 x 9/16	24	100
AR3061-20A	1-3/8	600	1/4-20 x 1/4	23	100
AR3061-20B	1-1/2	1,500	1/4-20 x 1/4	24	100
AR3061-8MA	1-3/8	600	M8 x 1/4	23	100
AR3061-8MB	1-1/2	1,500	M8 x 1/4	24	100
AR3061-10MA*	1-3/8	600	M10 x 9/32	23	100
AR3061-10MC*	1-3/4	2,000	M10 x 1/2	24	100



5405 SERIES Standoff Electrical Insulators - 3-3/4" Diameter Round Body - 2" Bolt Spacing

Part #	Height (in)	Voltage	Threads (Size x Depth)	Max Weight (lbs)	Box Qty
AR5405-16A	3-1/2	5,000	3/8-16 x 3/4	58	32



5420 SERIES Standoff Electrical Insulators - 3-3/4" Diameter Round Body - 2" Bolt Spacing

Part #	Height (in)	Voltage	Threads (Size x Depth)	Max Weight (lbs)	Box Qty
AR5420-16A	6	15,000	3/8-16 x 3/4	48	16



5612 SERIES Standoff Electrical Insulators - 1" Hex Body

Part #	Height (in)	Voltage	Threads (Size x Depth)	Max Weight (lbs)	Box Qty
AR5612-1224A*	1	600	12-24 x 1/4	10	150
AR5612-16A	1	600	3/8-16 x 1/4	10	150
AR5612-16B	1-1/4	600	3/8-16 x 1/4	8	100
AR5612-18A	1	600	5/16-18 x 1/4	10	150
AR5612-18B	1-1/4	600	5/16-18 x 1/4	8	100
AR5612-20A	1	600	1/4-20 x 5/16	20	300
AR5612-20B	1-1/4	600	1/4-20 x 5/16	23	300
AR5612-6MA	1	600	M6 x 4 threads	20	300
AR5612-8MA	1	600	M8 x 4 threads	20	300
AR5612-8MB	1-1/4	600	M8 x 4 threads	23	300

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