



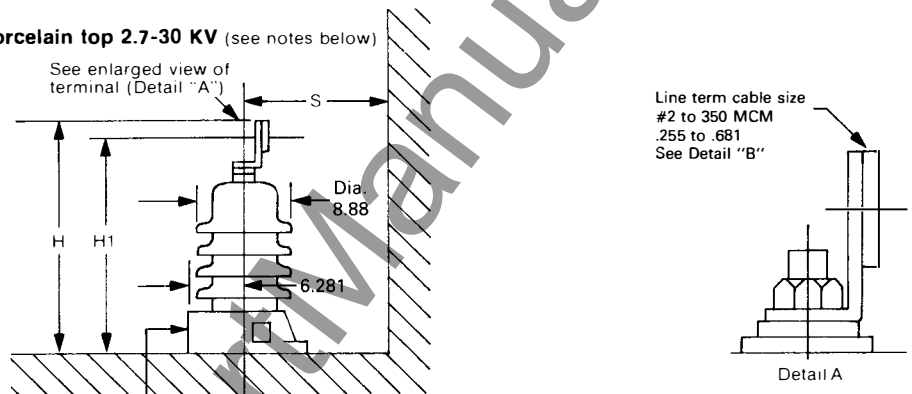
June, 1986
Supersedes D.S. 38-313 pages 1-2
dated March, 1983
Mailed to: E, D, C/38-000A

Type SMX Station Class Gapless Metal Oxide Surge Arrester

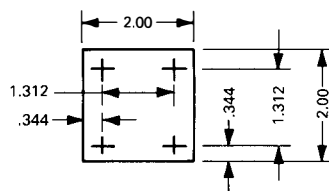
Notes:

1. These arresters are good for 10,000 ft. increase clearances "S" and "T" 3% for each 1000 ft. over 6000 ft.
2. When installed vent ports should be directed away from all adjacent apparatus.
3. Arrester assembly consists of arrester unit, line and ground terminals.
4. Minimum dimensions for arresters, other apparatus standards, other specifications or local codes may require greater spacing.
5. Line and Ground Terminals are compatible with Copper and Aluminum cable.

Porcelain top 2.7-30 KV (see notes below)



Ground terminal may be located on any lug cable size #4 to 425 MCM .25 to .75 in. Dia.



Detail B

Mounting Dimensions (3 Phase Installation Layout)

Mounting holes for .500 diameter bolts
(Thickness of lug on casting .750)

10.00 Diameter bolt circle

S-Radius

Exhaust Vent Ports

Horizontal limit for grounded objects

Dimensions, Inches Not to be used for construction purposes unless dimensions are approved.

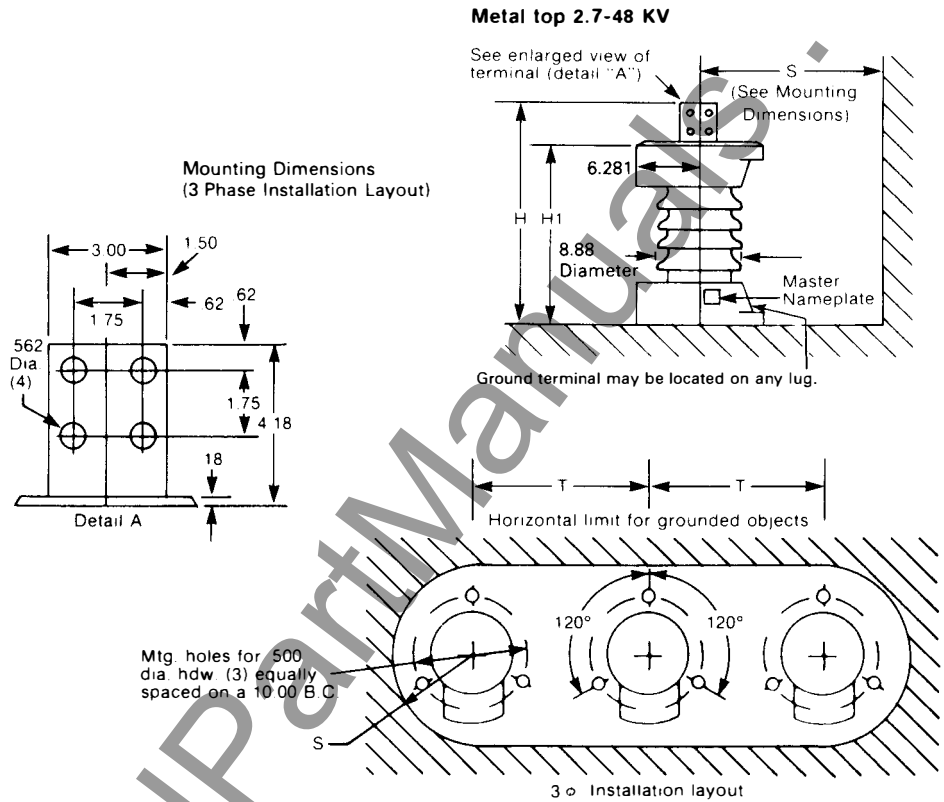
Style Number	Arrester Rating kV-RMS	Dimensions (Inches)		See Note 4		Creep Inches	Weight Lbs.
		H	H1	S	T		
8045A40A02	2.7	14.75	13.75	6.5	10.5	15.1	39
8045A40A03	3.0	14.75	13.75	6.5	10.5	15.1	39
8045A40A04	4.5	14.75	13.75	6.5	10.5	15.1	42
8045A40A05	5.1	14.75	13.75	6.5	10.5	15.1	42
8045A40A06	6.0	14.75	13.75	6.5	10.5	15.1	42
8045A40A07	7.5	14.75	13.75	6.5	10.5	15.1	43
8045A40A08	8.5	14.75	13.75	6.5	10.5	15.1	43
8045A40A09	9.0	14.75	13.75	6.5	10.5	15.1	43
8045A40A10	10	14.75	13.75	6.5	10.5	15.1	44
8045A40A12	12	18.75	17.75	6.5	10.5	20.7	55
8045A40A15	15	18.75	17.75	7.0	10.5	20.7	57
8045A40A18	18	18.75	17.75	8.0	11.0	20.7	58
8045A40A21	21	22.75	21.75	9.0	12.0	32.1	68
8045A40A24	24	22.75	21.75	10.0	13.0	32.1	71
8045A40A27	27	22.75	21.75	11.0	14.0	32.1	72
8045A40A30	30	23.75	22.75	12.0	15.0	35.2	77



Notes:

1. These arresters are good for 10,000 ft. increase clearances "S" and "T" 3% for each 1000 ft. over 6000 ft.
2. When installed vent ports should be directed away from all adjacent apparatus.
3. Arrester assembly consists of arrester unit, line and ground terminals.
4. Minimum dimensions for arresters, other apparatus standards, other specifications or local codes may require greater spacing.
5. Line and Ground Terminals #4 to 425 MCM .25 to .75 in. are compatible with Copper and Aluminum cable.

Cantilever Strength: 5800 ft. lbs.



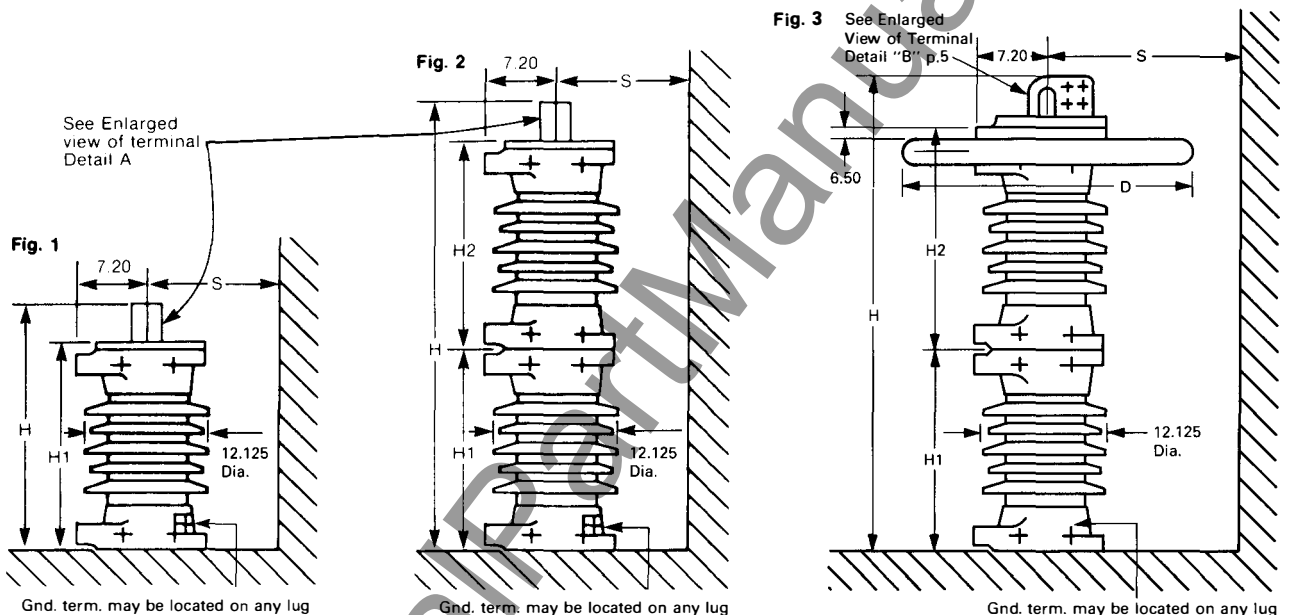
Dimensions, Inches Not to be used for construction purposes unless dimensions are approved.

Style Number	Arrester Rating kV-RMS	Dimensions (Inches)		See Note 4		Creep Inches	Weight Lbs.
		H	H1	S	T		
8040A10A02	2.7	18.94	14.75	7.5	11.5	12.9	48
8040A10A03	3.0	18.94	14.75	7.5	11.5	12.9	48
8040A10A04	4.5	18.94	14.75	7.5	11.5	12.9	49
8040A10A05	5.1	18.94	14.75	7.5	11.5	12.9	49
8040A10A06	6.0	18.94	14.75	8.5	12.5	12.9	50
8040A10A07	7.5	18.94	14.75	8.5	12.5	12.9	50
8040A10A08	8.5	18.94	14.75	8.5	12.5	12.9	51
8040A10A09	9.0	18.94	14.75	9.5	13.5	12.9	51
8040A10A10	10	18.94	14.75	9.5	13.5	12.9	51
8040A10A12	12	18.94	14.75	10.5	14.5	12.9	52
8040A10A15	15	21.18	17.00	11.5	15.5	18.9	60
8040A10A18	18	21.18	17.00	12.5	16.5	18.9	62
8040A10A21	21	22.43	18.25	13.5	17.5	21.9	67
8040A10A24	24	27.81	23.62	14.5	18.5	33.2	85
8040A10A27	27	27.81	23.62	15.5	19.5	33.2	86
8040A10A30	30	27.81	23.62	16.5	20.5	33.2	88
8040A10A36	36	29.43	25.25	18.5	22.5	38.7	95
8040A10A39	39	29.43	25.25	19.5	23.5	38.7	96
8040A10A45	45	33.43	29.25	20.5	24.5	48.2	112
8040A10A48	48	33.43	29.25	21.5	25.5	48.2	113



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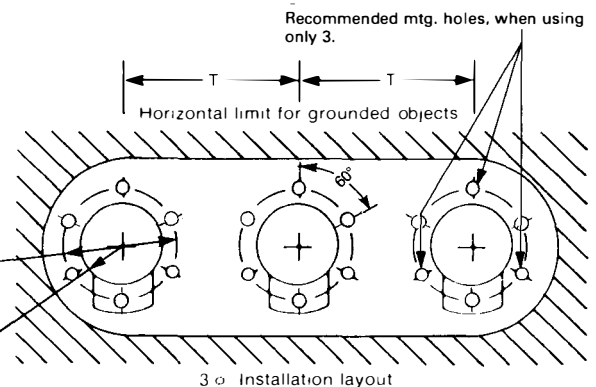
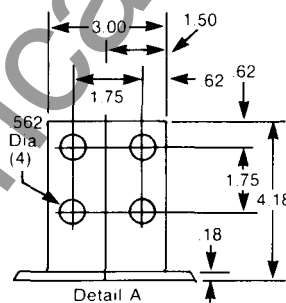
Type SMX Station Class Gapless Metal Oxide Surge Arrester



Notes:

1. These arresters are good for 10,000 ft. increase clearances "S" and "T" 3% for each 1000 ft. over 6000 ft.
2. When installed vent ports should be directed away from all adjacent apparatus.
3. Arrester assembly consists of arrester unit, line and ground terminals.
4. Minimum dimensions for arresters, other apparatus standards, other specifications or local codes may require greater spacing.
5. Line and Ground Terminals #4 to 425 MCM .25 to .75 in. are compatible with Copper and Aluminum cable.
6. Only three mounting holes are required to properly install each arrester. Reduce cantilever strength to 7,000 ft. lbs. and use recommended holes.

Cantilever strength: 12,500 ft. lbs.



Dimensions, Inches Not to be used for construction purposes unless dimensions are approved.

Style	KV Rating	Fig. No.	Dimensions in Inches					See Note 4			Wt. Lbs.
			H	H1	H2	H3	D Dia.	S	T	Creep Inches	
8030A10A54	54	1	34.94	30.75				20.0	25.0	67.1	154
8030A10A60	60	1	34.94	30.75				20.0	26.0	67.1	165
8030A10A72	72	1	41.13	36.95				27.0	36.0	88.3	190
8030A10A90	90	1	49.06	44.88				31.0	40.0	115.4	233
8030A10A96	96	1	49.06	44.88				33.0	42.0	115.4	240
8030A01A08	108	1	56.80	52.63				36.0	45.0	141.0	280
8030A01A20	120	2	65.68	30.75	30.75			39.0	48.0	134.2	330
8030A01A32	132	2	71.88	36.95	30.75			43.0	52.0	155.4	362
8030A01A44	144	2	78.08	36.95	36.95			47.0	56.0	177.5	380
8030A01A68	168	3	86.00	36.95	44.88		40.00	65.0	84.0	203.7	425
8030A01A72	172	3	93.95	44.88	44.88		40.00	66.5	85.5	230.8	460
8030A01A80	180	3	93.95	44.88	44.88		40.00	68.0	87.0	230.8	466
8030A01A92	192	3	93.95	44.88	44.88		40.00	72.0	91.0	230.8	480



Fig. 1

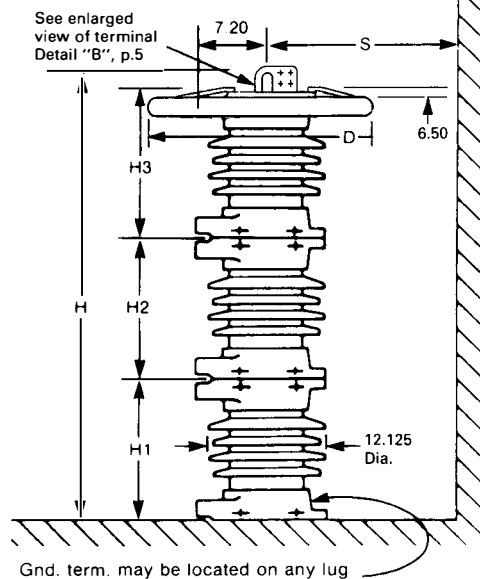


Fig. 2

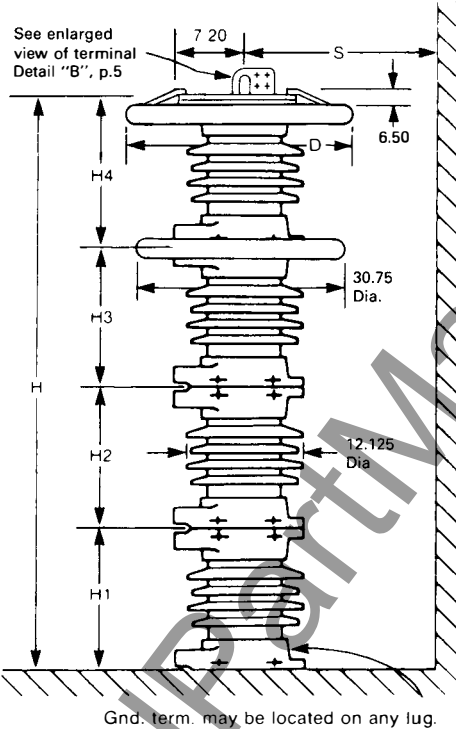
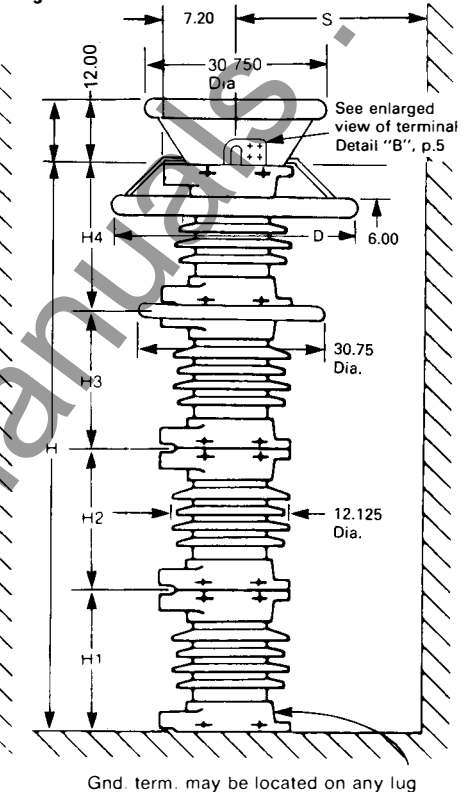


Fig. 3

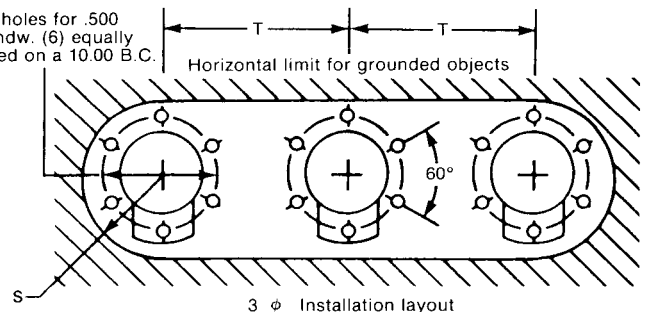


Notes:

1. These arresters are good for 10,000 ft. increase clearances "S" and "T" 3% for each 1000 ft. over 6000 ft.
2. When installed vent ports should be directed away from all adjacent apparatus.
3. Arrester assembly consists of arrester unit, line and ground terminals.
4. Minimum dimensions for arresters, other apparatus standards, other specifications or local codes may require greater spacing.
5. Line and Ground Terminals accommodate cable #4 to 425 MCM .25 to .75 in. in Cu or Al.

Cantilever Strength: 12,500 ft. lbs.

Mtg. holes for .500 dia. hdw. (6) equally spaced on a 10.00 B.C.



Dimensions, Inches Not to be used for construction purposes unless dimensions are approved.

Style	KV Rating	Fig. No.	Dimensions in Inches						See Note 4			Wt. Lbs.
			H	H1	H2	H3	H4	D Dia.	S	T	Creep Inches	
8030A01A28	228	1	116.77	30.75	36.95	44.88		40.00	83.0	102.0	282.0	560
8030A01A40	240	1	122.97	36.95	36.95	44.88		40.00	87.0	106.0	292.0	620
8030A02A58	258	1	138.81	44.88	44.88	44.88		40.00	93.00	112.00	346.2	693
8030A02A64	264	1	138.81	44.88	44.88	44.88		40.00	95.00	114.00	346.2	701
8030A02A76	276	1	138.81	44.88	44.88	44.88		40.00	99.00	118.00	346.2	710
8030A02A88	288	1	146.52	44.88	44.88	52.63		40.00	104.00	124.00	371.8	753
8030A02A94	294	1	146.52	44.88	52.63	52.63		40.00	105.50	125.50	397.4	780
8030A03A01	301	1	154.31	44.88	52.63	52.63		40.00	107.00	127.00	397.4	796
8030A03A12	312	1	162.06	52.63	52.63	52.63		40.00	110.00	130.00	423.0	822
8030A03A36	336	1	170.30	44.88	60.63	60.63		40.00	117.00	136.00	443.4	900
8030A03A60	360	2	183.70	44.88	44.88	44.88	44.88	40.00	126.00	145.00	461.6	887
8030A03A96	396	3	214.75	44.88	52.63	52.63	52.63	55.00	139.00	166.00	529.4	1304
8030A04A20	420	3	222.50	52.63	52.63	52.63	52.63	55.00	147.00	174.00	552.0	1348
8030A04A44	444	3	226.75	44.88	60.63	60.63	60.63	55.00	153.00	185.00	607.4	1432



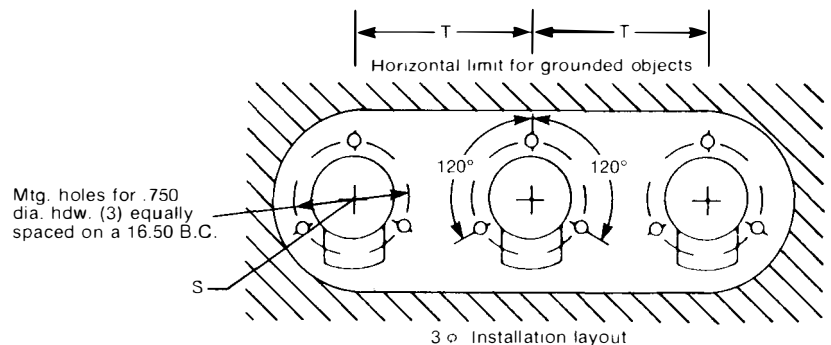
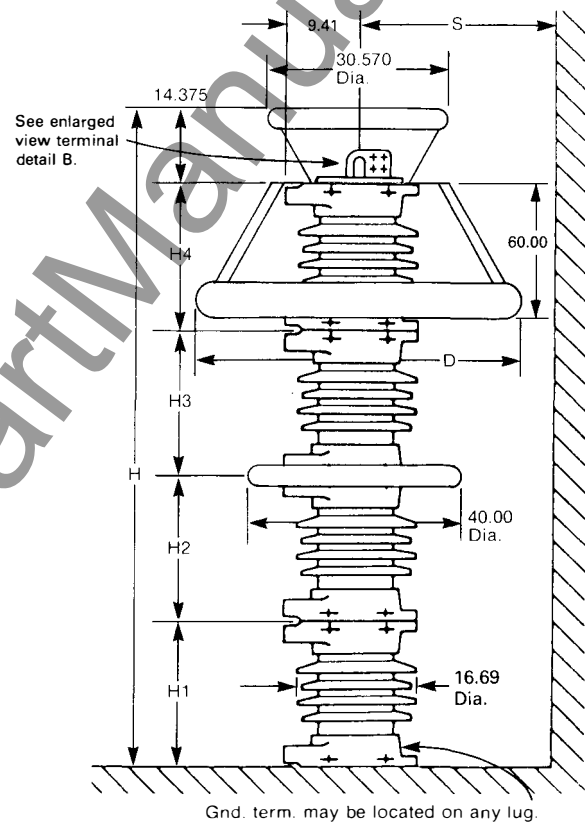
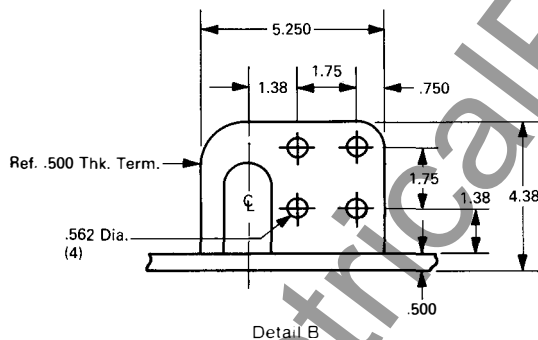
June, 1986
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Notes:

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2. When installed vent ports should be directed away from all adjacent apparatus.
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4. Minimum dimensions for arresters, other apparatus standards, other specifications or local codes may require greater spacing.
5. Line and ground terminals accommodate #4 to 425 MCM .25 to .75 in. Dia. cable in Cu or Al.

Cantilever Strength: 17,000 ft. lbs.



Dimensions, Inches Not to be used for construction purposes unless dimensions are approved.

Style	KV Rating	Dimensions in Inches						See Note 4			Wt. Lbs.
		H	H1	H2	H3	H4	D Dia.	S	T	Creep Inches	
8030A05A88	588	292.6	69.6	69.6	69.6	69.6	90.00	215.00	265.00	696.8	2950
8030A06A12	612	292.6	69.6	69.6	69.6	69.6	90.00	224.00	276.00	696.8	2957



Further Information:

Price List 38-300

Price List 38-305

Dimension Sheet 38-306

Descriptive Bulletin 38-311

Performance Data 38-312