

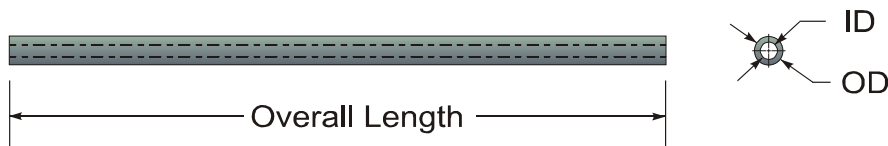
STARBAR TYPE SE SILICON CARBIDE PROTECTION TUBES

Starbar type SE protection tubes are made of special high-density reaction-bonded silicon carbide. With a nominal density of 2.85 g/cc. These impervious tubes are able to survive severe environments. The high density prevents the internal lattice structure from being attacked.

SE tubes are available in two grades:

Grade S14T for temperatures up to 1400°C.
Grade S16T for temperatures up to 1600°C.

Tubes can be manufactured open both ends (OBE), or closed at one end (COE)



The type, standard diameter, overall length and OBE or COE describes type SE tubes. As an example: S14T 0.50 x 30.0 OBE is a 1400°C tube 0.50" OD, 30" overall length, open both ends (*S14T 13 x 762 OBE*)

SIZES AVAILABLE

SE protection tubes are available in diameters of 3/8" (10 mm) to 2-3/4" (70 mm). The maximum recommended overall lengths are shown below.

Protection Tubes – Type SE							
Standard Diameter		Outside Diameter		Inside Diameter		Max Rec OAL	
mm	inches	mm	inches	mm	inches	mm	inches
10	0.38	10.3 ± 1.0	0.41 ± 0.04	5.8 ± 1.0	0.23 ± 0.04	762	30
13	0.50	12.9 ± 1.0	0.51 ± 0.04	5.8 ± 1.0	0.23 ± 0.04	762	30
14	0.55	14.0 ± 1.0	0.55 ± 0.04	5.8 ± 1.0	0.23 ± 0.04	762	30
16	0.63	15.9 ± 1.0	0.63 ± 0.04	8.0 ± 1.0	0.31 ± 0.04	1016	40
19	0.75	18.9 ± 1.0	0.74 ± 0.04	9.8 ± 1.0	0.39 ± 0.04	1016	40
22	0.88	22.8 ± 1.0	0.90 ± 0.04	11.9 ± 1.0	0.47 ± 0.04	1016	40
25	1.00	26.0 ± 1.5	1.02 ± 0.06	14.6 ± 1.5	0.58 ± 0.06	1524	60
32	1.25	32.2 ± 1.5	1.27 ± 0.06	17.6 ± 1.5	0.69 ± 0.06	1524	60
35	1.38	34.4 ± 2.0	1.36 ± 0.08	21.2 ± 2.0	0.83 ± 0.08	1524	60
38	1.50	37.1 ± 2.0	1.46 ± 0.08	23.4 ± 2.0	0.92 ± 0.08	1524	60
44	1.75	45.4 ± 2.0	1.79 ± 0.08	27.9 ± 2.0	1.10 ± 0.08	1524	60
54	2.12	51.8 ± 2.5	2.04 ± 0.10	32.3 ± 2.5	1.27 ± 0.10	1524	60
70	2.75	68.7 ± 3.5	2.70 ± 0.14	51.4 ± 3.5	2.02 ± 0.14	1524	60



Silicon Carbide Heating Elements



I SQUARED R ELEMENT



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