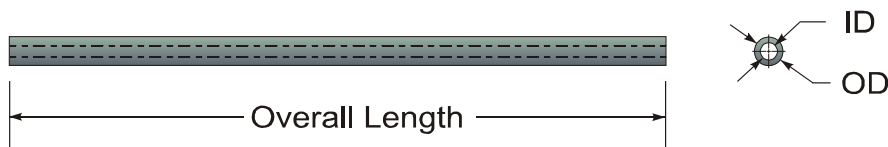


STARBAR TYPE HD SILICON CARBIDE PROTECTION TUBES

Starbar type HD protection tubes are made of high-density recrystallized silicon carbide. With a nominal density of 2.52 g/cc these permeable tubes (~21% porosity) are able to survive severe environments, and withstand very high thermal shock.

HD tubes may be used at temperatures up to 1500°C continually, and up to 1600°C for short duration.

HD tubes are manufactured open both ends.



The type, standard diameter, overall length describes type HD tubes. As an example: HD 0.50 x 30.0 is a tube 0.50" OD, 30" overall length (*HD 13 x 762*)

SIZES AVAILABLE

HD protection tubes are available in diameters of 1/2" (13 mm) to 2-3/4" (70 mm). The maximum recommended overall lengths are shown below.

Protection Tubes – Type HD							
Standard Diameter		Outside Diameter		Inside Diameter		Max Rec OAL	
mm	inches	mm	inches	mm	inches	mm	inches
13	0.50	12.8 ± 1.0	0.51 ± 0.04	6.2 ± 1.0	0.24 ± 0.04	762	30
16	0.63	16.1 ± 1.0	0.63 ± 0.04	7.5 ± 1.0	0.29 ± 0.04	1016	40
19	0.75	18.8 ± 1.0	0.74 ± 0.04	7.8 ± 1.0	0.31 ± 0.04	1219	48
20	0.80	20.4 ± 1.0	0.80 ± 0.04	10.9 ± 1.0	0.43 ± 0.04	1219	48
25	1.00	24.8 ± 1.0	0.98 ± 0.04	12.5 ± 1.0	0.49 ± 0.04	1524	60
30	1.25	29.9 ± 1.0	1.18 ± 0.04	15.7 ± 1.0	0.62 ± 0.04	1981	78
35	1.38	34.1 ± 1.5	1.34 ± 0.06	21.6 ± 1.5	0.85 ± 0.06	1981	78
38	1.50	37.0 ± 1.5	1.46 ± 0.06	21.6 ± 1.5	0.85 ± 0.06	1981	78
40	1.58	40.0 ± 1.5	1.58 ± 0.06	24.4 ± 1.5	0.96 ± 0.06	1981	78
44	1.75	44.4 ± 1.5	1.75 ± 0.06	28.4 ± 1.5	1.12 ± 0.06	1981	78
50	2.00	50.2 ± 1.5	1.98 ± 0.06	33.2 ± 1.5	1.31 ± 0.06	1981	78
54	2.13	54.0 ± 2.0	2.13 ± 0.08	35.9 ± 2.0	1.41 ± 0.08	1981	78
64	2.50	63.7 ± 2.0	2.51 ± 0.08	45.5 ± 2.0	1.79 ± 0.08	1981	78
70	2.75	70.0 ± 2.0	2.76 ± 0.08	50.6 ± 2.0	1.99 ± 0.08	1981	78



Silicon Carbide Heating Elements



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