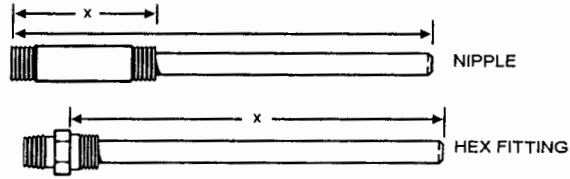
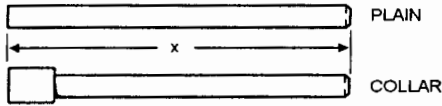


Ceramic Protection Tubes



*NOTE: Add (X)" Length in inches to protection tube code number to obtain complete part number.

TABLE 1 MULLITE (63% ALUMINA) PROTECTION TUBES (MAXIMUM TEMPERATURE 2750°F)

TUBE SIZE ID X OD	PLAIN END TUBES		CERAMIC COLLAR TUBES		TUBES WITH STEEL PIPE FITTING MOUNTINGS	
	CODE No.*	CODE No.*	COLLAR OD	CODE No.*	SIZE	FITTING TYPE
1/4" x 3/8"	16A	16AC	5/8"	16A1	1/2" NPT	1" Long Nipple
				16A4	1/2" NPT	4" Long Nipple
				16A(X)	1/2" NPT	(X)" Long Nipple (Specify)
7/16" x 11/16"	16B	16BC	1"	16B1	3/4" NPT	1-1/2" Long Nipple
				16B4	3/4" NPT	4" Long Nipple
				16BH	3/4" x 1/2" NPT	Hex Fitting
				16B(X)	3/4" NPT	(X)" Long Nipple (Specify)
				16C1	3/4" NPT	1-1/2" Long Nipple
1/2" x 3/4"	16C	16CC	1-3/16"	16C4	3/4" NPT	4" Long Nipple
				16C(X)	3/4" NPT	(X)" Long Nipple (Specify)
				16CH	3/4" x 1/2" NPT	Hex Fitting
5/8" x 7/8"	16D	16DC	1-3/8"	16D1	1-1/4" NPT	1-3/4" Long Nipple
				16D(X)	1-1/4" NPT	(X)" Long Nipple (Specify)
				16DH	1-1/4" x 1" NPT	Hex Fitting
1" x 1 1/4"	16E	16EC	1-3/4"	16E1	1-1/4" NPT	1-3/4" Long Nipple
				16E(X)	1-1/4" NPT	(X)" Long Nipple (Specify)
				16EH	1-1/4" x 1" NPT	Hex Fitting

TABLE 2 99.7% ALUMINA PROTECTION TUBES (MAXIMUM TEMPERATURE 3400°F)

1/4" x 3/8"	17A	17AC	5/8"	17A1	1/2" NPT	1" Long Nipple
				17A4	1/2" NPT	4" Long Nipple
				17A(X)	1/2" NPT	(X)" Long Nipple (Specify)
7/16" x 11/16"	17B	17BC	1"	17B1	3/4" NPT	1-1/2" Long Nipple
				17B4	3/4" NPT	4" Long Nipple
				17BH	3/4" x 1/2" NPT	Hex Fitting
				17B(X)	3/4" NPT	(X)" Long Nipple (Specify)
				17C1	3/4" NPT	1-1/2" Long Nipple
1/2" x 3/4"	17C	17CC	1 3/16"	17C4	3/4" NPT	4" Long Nipple
				17C(X)	3/4" NPT	(X)" Long Nipple (Specify)
				17CH	3/4" x 1/2" NPT	Hex Fitting
5/8" x 7/8"	17D	17DC	1 3/8"	17D1	1-1/4" NPT	1-3/4" Long Nipple
				17D(X)	1-1/4" NPT	(X)" Long Nipple (Specify)
				17DH	1-1/4" x 1" NPT	Hex Fitting
1" x 1 1/4"	17E	17EC	1 3/4"	17E1	1-1/4" NPT	1-3/4" Long Nipple
				17E(X)	1-1/4" NPT	(X)" Long Nipple (Specify)
				17EH	1-1/4" x 1" NPT	Hex Fitting

TABLE 3 SILICON CARBIDE TUBES (MAXIMUM TEMPERATURE 3000°F)

1" x 1-3/4"	18JC-(X)	18J-(X)	3"
1" x 1-3/4"	18J-(X) 6-50-6	18JC-(X)-6-50-6	3"

with 1/2" NPT x 6 inch pipe extensions
Specify (X) length in inches
Available (X) lengths are
12, 18, 24, 30, 36, 42, & 48 inches

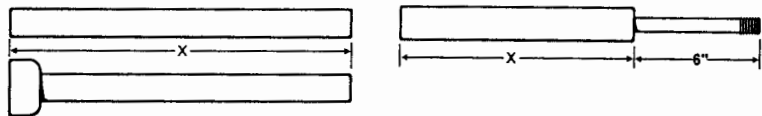
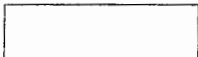


TABLE 4 SILICON NITRIDE TUBES (MAXIMUM TEMPERATURE 1700°F)

No. 13 .75 Silicon Nitride .625 1.125 3/4"

COMPLETE PART NUMBER



Code Number



Standard (x) lengths are
12, 18, 24, 30, 42 & 48 inches.
Special lengths on request.

Consult Factory for optional
NPT sizes and alloys.