

# BONDED SILICON CARBIDE PROTECTION TUBES

Silicon carbide protection tubes provide excellent thermal conductivity for quick response to temperature changes. They can be used to replace cast iron tubes, eliminating the possibility of iron pick-up. Spread surface treatment assures adequate protection of the thermocouple.

JMS Southeast offers two types of silicon carbide protection tubes. Type A and B are dense silica bonded silicon carbide and are manufactured with a flange or a plain end as the following drawings indicate.

Type C and D are carbon bonded silicon carbide and graphite. They are manufactured with a black steel pipe located down the center. They have a 1/2" or 3/4" NPT connection to thread into place instead of a flange for mounting as Type A.

#1	DESCRIPTION			
5B	Protection Tube - Add "W" here for a cap and chain to fit over open end. (i.e. 5BW)			
#2	MATERIAL			
SC	Silicon carbide			
#3	MOUNTING			
F	Flange silicon carbide tube (1" I.D. x 1-3/4" O.D.)			
P	Plain end silicon carbide tube (1" I.D. x 1-3/4" O.D.)			
C	1/2" NPT threaded silicon carbide tube with reinforced pipe			
D	3/4" NPT threaded silicon carbide tube with reinforced pipe			
#4	SIZE			*3 & 4 are for symbols F & P
2	1/2" I.D. x 2" O.D.			
3*	3/4" I.D x 2" O.D.			
4*	1" I.D. x 1-3/4" O.D.			
#5	LENGTH (L)			
A	18"			
B	24"			
X	Other, specify			

  

5B	SC	F	4	18"
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# SILICON NITRIDE PROTECTION TUBES

#1	DESCRIPTION			
5E	Silicon Nitride Protection Tube (Sialon)			
#2	TUBE SIZES	BUSHING	THREAD SIZE	This material is the <u>perfect</u> choice for Aluminum melting processes!
1	28mm OD x 16mm ID (1.1" OD x .630" ID)	1-1/4"	1-1/4"	
2	22mm OD x 12mm ID (.866" OD x .472" ID)	1"	1"	
3	16mm OD x 9mm ID (.630" OD x .354" ID)	3/4"	3/4"	
4	12.5mm OD x 6.5mm ID (.492" OD x .256" ID)	1/2"	1/2"	
X	Other, specify			
#3	TOTAL TUBE LENGTH			
A	5.91" (150mm)	D	17.72" (450mm)	
B	11.81" (300mm)	E	23.62" (600mm)	
C	15.75" (400mm)	X	Other, specify	
#4	TUBE STYLE			
B	Mounting bushing			
S	Carbon steel mounting sleeve - (4" long sleeve is standard)			
X	Other, specify			
Z	No fitting			

  

5E	1	A	S
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