

NOTICE:

Prices and availability are subject to change without notice.

Please contact Marlin Manufacturing before ordering for updated pricing.

PROTECTING TUBES SILICON CARBIDE

SILICON CARBIDE is a porous high refractory material used for protection against extreme temperature, abrasive atmospheres and direct flame impingement. "SIC" tubes can also be used for direct immersion into molten aluminum or brass.

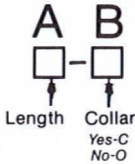
PART NO.	OVERALL LENGTH	STOCK	PRICE PER TUBE
SIC 	12"	CO	\$52.
	18"	CO	61.
	24"	CO	65.
	30"	CO	85.
	36"	CO	91.
	42"	C—	113.
	48"	C—	137.

TABLE A

Tube Length in Inches

TABLE B

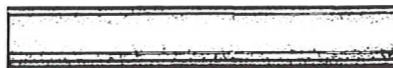
Collar Designation (with collar Yes-C); i.e. SIC-24"-C
(without collar No-O); i.e. SIC-24"-O

STOCK

C = Stocked with collar. O = Stocked, no collar.

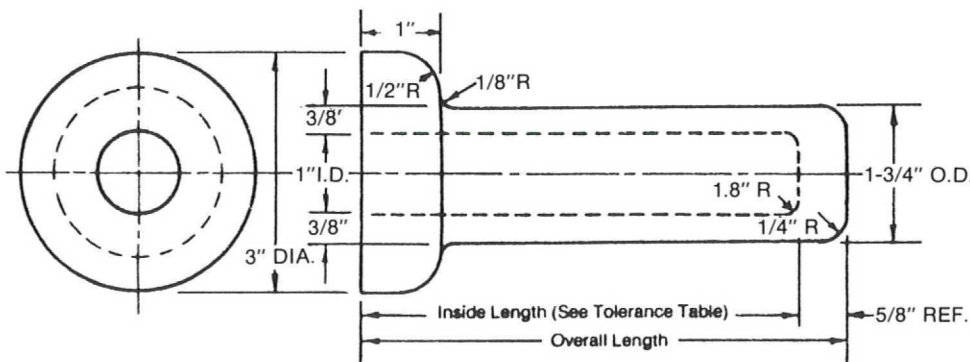


WITH COLLAR "C"



WITHOUT COLLAR "O"

DISCOUNT	
QUANTITY PER ORDER	FACTOR
1-9	NET
10-49	.90
50-74	.85
75-99	.80
100+	.75



TOLERANCE TABLE	
Overall Length	Inside Length
Less than 24"	±1/8"
24" to 45"	±3/16"
Over 45"	±1/4"

PHYSICAL PROPERTIES

Major Constituent:	Silicon Carbide (SiC)	Thermal Conductivity:	15.7 W/m °C (109 Btu in/hr ft² °F)
Dry Abrasion Resistance Index:	1.0	Coefficient of Linear Expansion:	4.68 × 10 ⁻⁶ mm/mm °C (2.6 × 10 ⁻⁶ in/in °F)
Maximum Usable Hot Face Temperature		Thermal Shock Resistance:	very good
In Oxidizing Atmosphere:	1650°C (3000°F)	Acid Resistance	good
In Inert Atmosphere:	1650°C (3000°F)	(except hydrofluoric):	
Bulk Density:	2.58 g/cm³ (3800 lb/in²)	Permeability:	nil
Modulus of Rupture:	267 kg/cm² (>20,000 lb/in²)	Apparent Porosity:	14%
Compressive Strength:	>1406 kg/cm²	Electrical Characteristics:	semi-conductor



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