



# INDUSTRIAL THREADED PRODUCTS INC.

13580 FIRESTONE BLVD., SANTA FE SPRINGS, CA 90670

800-976-BOLT FX: 800 646 4249

www.itpbolt.com

## SILICON BRONZE

### SUBMITTAL SPECIFICATIONS

Abstract of ASTM F467 / F468

### CHEMICAL REQUIREMENTS

NOTE: MINIMUM CONTENT OF COPPER PLUS ALL OTHER ELEMENTS WITH SPECIFIED LIMITS SHALL BE 99.6%

COPPER MIN	IRON MAX	MANGANESE MAX	SILCON	ZINC MAX	LEAD MAX
96.0	0.8	0.7	0.8 - 2.0	1.5	0.05

### MECHANICAL REQUIREMENTS

	HARDNESS BRINEL		TENSILE STRENGTH ( KSI) MIN		YIELD STRENGTH (KSI) MIN	ELONGATION (%)
	MIN	MAX				
1/4" X 3/4"	75	95	70	100	55	8
7/8" X 1 1/2"	70	95	55	90	40	8

<input type="checkbox"/>	Hex Nuts ASTM F468	<input type="checkbox"/>	Washers Silicon Bronze
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### LOCATION

<input type="checkbox"/> Buried	<input type="checkbox"/> Submerged	<input type="checkbox"/> Above Grade	<input type="checkbox"/> Below Grade	<input type="checkbox"/> Other
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DIMENSIONAL DATA:: ALL BOLTS AND NUTS SHOULD BE HEX PATTERN UNLESS OTHERWISE SPECIFIED IN THE PURCHASE ORDER. PARTS SHALL BE THREADED IN ACCORDANCE WITH ANSI / ASME B1.1, PAGE A-26, CLASS 2A FIT. BOLT HEADS SHALL BE IN ACCORDANCE WITH THE DIMENSIONS OF ANSI / ASME B18.2.1, PAGE C1. ADDITIONAL INFORMATION CAN BE FOUND IN ASTM F467 / 468, "NON FERROUS BOLTS AND HEX CAP SCREWS FOR GENERAL USE" AND "NONFERROUS NUTS FOR GENERAL USE".

12027 Arrow Route  
Rancho Cucamonga, CA 90670  
909-466-9445  
fx: 909-945-2696

2145 South 11th Ave. Ste 130  
Phoenix, AZ 85007-4199  
800-976-2658  
fx: 800-646-4249

174 Lawrence Drive Unit E  
Livermore, CA 94550  
800-566-8831  
fx: 800-646-4249

1832 G Street  
Fresno, CA 93706  
559-233-2957  
fx: 559-233-2961