

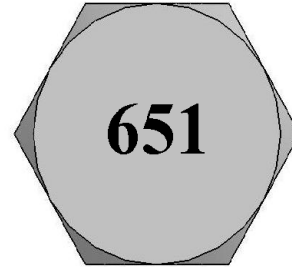


SILICON BRONZE

UNS Alloy Number C65100, Alloy 651, Low Silicon Bronze B

Chemical Requirements

- Copper min 96.0
- Iron max 0.80
- Manganese max 0.70
- Silicon 0.80-2.0
- Zinc max 1.5
- Lead max 0.05



Mechanical Requirements

	Hardness Brinell		Tensile Strength (KSI)		Yield Strength (KSI)	Elongation
	MIN	MAX	MIN	MAX	MIN	
1/4" to 3/4"	75	95	70	100	55	8
7/8" to 1 1/2"	70	95	55	90	40	8

Hex Nuts ASTM F468 Washers Silicon Bronze

Buried Submerged Above Grade Below Grade Other

Dimensional Data

- All bolts and nuts should be hex pattern. Unless otherwise specified in the purchase order shall be threaded in accordance with ANSI/AME B1.1, page A-26, class 2A fit. Bolt heads shall be in accordance with the dimensions of ANSI/ASME B 18.2.1, page C1.
- Additional information can be found in ASTM F467/468, "Nonferrous Bolts and Hex Cap Screws for General Use" and Nonferrous Nuts for General Use".