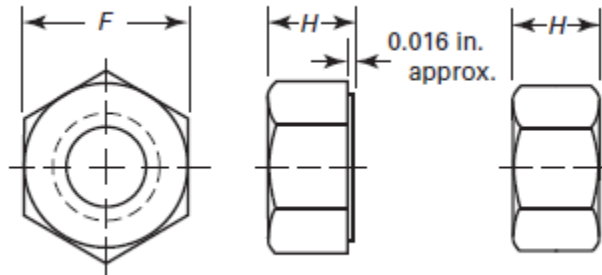


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Finished Hex Nut, Silicon Bronze

This product standard contains the required dimensional, mechanical, performance, and chemical characteristics of the products shown in this purchase order (as applicable to the product). Unless specified below, current revisions of national or international standards shall be applicable as of the date of Fastenal's purchase order and must be adhered to in their entirety. If the order received does not meet these requirements, corrective action may be issued which could jeopardize your status as an approved supplier to Fastenal.



Nominal Size	F		H	
	Width Across Flats		Thickness	
	Max.	Min.	Max.	Min.
1/4	.438	.428	.226	.212
5/16	.500	.489	.273	.258
3/8	.563	.551	.337	.320
7/16	.688	.675	.385	.365
1/2	.750	.736	.448	.427
9/16	.875	.861	.496	.473
5/8	.938	.922	.559	.535
3/4	1.125	1.088	.665	.617
7/8	1.312	1.269	.776	.724
1	1.500	1.450	.887	.831
1 1/8	1.688	1.631	.999	.939
1 1/4	1.875	1.812	1.094	1.030
1 3/8	2.062	1.994	1.206	1.138
1 1/2	2.250	2.175	1.317	1.245
1 5/8	2.43	2.35	1.416	1.364
1 3/4	2.625	2.538	1.540	1.460
1 7/8	2.813	2.722	1.651	1.567
2	3.000	2.900	1.763	1.675
2 1/4	3.375	3.263	1.986	1.890
2 1/2	3.750	3.625	2.209	2.105
2 3/4	4.125	3.988	2.431	2.319
3	4.500	4.350	2.654	2.534

RECORD OF REVISION CHANGES TO THIS DOCUMENT ARE LOCATED ON THE LAST PAGE

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Specification Requirements:

- Dimensions: ASME B18.2.2
- Material: 651, 655, or 656 Silicon Bronze Alloy (UNS C65100, C65500 or C65600) or other silicon bronze alloys meeting RoHS compliance at time of Fastenal Purchase order
- Mechanical Properties: ASTM F467 per alloy material listed above
- Thread Requirements: ASME B1.1, UNC & UNF, Class 2B
- Product Marking: Manufacturer and appropriate alloy ** Exception, alloy marking shall be 651, 655 or 656
- Material Test Reports: The MTR must have documented lot traceability, dimensional results, full chemical test results and full mechanical test results to the specification(s) above. In addition, the MTR shall be in full compliance with Fastenal's MTR Requirements

Revision Level Changes to this Document

Document Name	Revision Level	Revision Date	Rationale for Revision
FHN.SB	03	4/6/2021	Updated format.
FHN.SB	04	5/18/2021	Revised material requirement.

The rationale above may not include all of the changes within each revision. A complete review of the Fastenal Product Standard is required.