



BOLT DIMENSIONS ENGLISH[METRIC]

DESIGNATOR	ANSI SIZE	A (MIN)	B (MAX)	C	D (MIN)	H	T
FBB06	0.75[19]	0.8120[20.6]	2.000[50.8]	0.100[2.5]	1.469[37.3]	0.743[18.9]	1.75[44]
FBB07	1.25[32]	1.312[33.3]	3.000[76.2]	0.160[4.1]	2.850[72.4]	1.219[31.0]	2.75[70]

ROUND HEAD BOLT WITH WASHER AND HEX NUT



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## SPECIFICATIONS

Round head or button head bolts shall be manufactured to the geometric specifications shown in ANSI B18.2.3.5M. Threads shall conform to ANSI F568 Class 4.6 (58 ksi tensile strength and 35 ksi yield strength). Material for corrosion resistant bolts shall conform to ASTM F568 for class 8.8.3 (120 ksi tensile strength and 95 ksi yield strength). Bolt heads shall be marked as specified in ASTM F568 Section 9 with the symbol "4.6" if zinc-coated and "8.8.3" if corrosion resistant steel is used.

Zinc-coated nuts shall be manufactured according to the dimensions and tolerances in ANSI B18.2.4.1M for metric Style 1 hex nuts. Corrosion resistant nuts shall be manufactured according to the dimensions and tolerances in ANSI B18.2.4.6M for heavy hex nuts (not shown in drawings). Threads shall conform to ANSI B1.13M for Class 6H. Zinc-coated nuts shall conform to the requirements of AASHTO M291M (ASTM A563M) for Class 5 nuts. Corrosion resistant nuts shall conform to the requirements of AASHTO M291M (ASTM A563M) for Class 8S3 nuts.

Zinc-coated bolts and nuts shall be treated according to either AASHTO M232 (ASTM A153) or AASHTO M298 (ASTM B695) for Class 50.

Designator	Stress Area of Threaded Bolt Shank (mm <sup>2</sup> )	Minimum Bolt Strength (kN)
FBB08	241.6	96.6
FBB09	707.0	282.8

Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including appearance and accepted manufacturing practices.

## INTENDED USE

These bolts are used in the timber guardrail system for attachment to noise wall (SGR30).

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