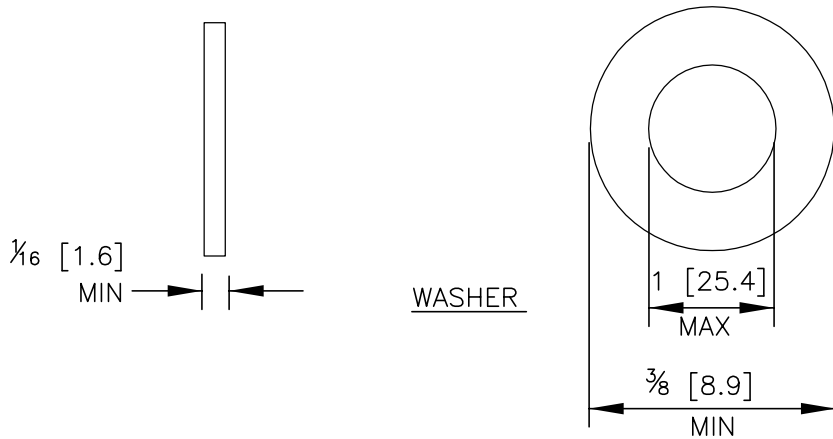


BOLT



WASHER



FLANGE NUT

CLASS 12.9 SPLICE BOLT, WASHER & NUT

FBX08d

SHEET NO.

DATE:

1 OF 2

2006

SPECIFICATIONS

Class 12.9 bolts shall be manufactured according to the geometric specifications included in ANSI B18.2.3.5M. Threads shall conform to ANSI B1.13M for Class 6g threads. Material for bolts shall conform to ASTM F568 for Class 12.9 (1220 MPa tensile strength and 1100 MPa yield strength). Bolt heads shall be marked as specified in ASTM F568 Section 9 with the manufacturer's identification symbol and the symbol "12.9".

Nuts shall be manufactured according to the dimensions and tolerances in ANSI B18.2.4.4M for metric hex flange nuts. The M8x1.25 threads shall conform to ANSI B1.13M for Class 6H. Nuts shall conform to the requirements of AASHTO M291M (ASTM A563M) for Class 12 nuts. Plain round steel washers shall be manufactured according to the dimensional and tolerances in ANSI B18.22M for regular series washers.

Bolts, nuts, and washers shall be zinc-coated according to either AASHTO M232 (ASTM A153) or AASHTO M298 (ASTM B695) for Class 50.

Designator	Stress Area of Threaded Bolt Shank (mm ²)	Minimum Bolt Strength (kN)
FBX8d	36.6	44.7

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

INTENDED USE

These bolts, nuts, and washers are intended to be used with various u-channel post systems.

CLASS 12.9 HEX BOLT, WASHER & NUT

FBX08d

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