

# SPECIFICATION

Roadside Safety Devices

Designator: **TFNX20a**

Description: **HEX NUT**

**Manitoba**   
**Infrastructure and  
Transportation**

Traffic Engineering

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Zinc coated Hex Nuts shall be manufactured according to the dimensions and tolerances included in ANSI B18.2.4.1M Style 1 nuts (shown in drawing). Corrosion resistant nuts shall be manufactured according to the dimensions and tolerances in ANSI B18.2.4.5M for heavy hex nuts (not shown in drawing). Nuts shall conform to the requirements of AASHTO M291M (ASTM A563M) for Class 5 nuts. Corrosion resistant nuts shall have geometric properties defined in ANSI B18.2.4.1M but shall have mechanical and material properties conforming to AASHTO M291M (ASTM A563M) for Class 8S3 nuts. Threads shall conform to ANSI B1.13M Class 6H. Zinc coated nuts shall be treated according to either AASHTO M232 (ASTM A153) Class C or AASHTO M298 (ASTM B695) Class 50.

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. Hex Nut may be supplied in the nearest equivalent Imperial, or English, units and corresponding manufacturing specification.

Hex Nut, when ordered as a separate item, shall be supplied in separate, sturdy, waterproof pails that are either plastic or metal with quantities of 200 in each container. The containers must be suitable for storage outdoors and withstand, for up to 12 months, typical weather conditions and UV exposure that would be expected in Manitoba.

Effective Date: September 1, 2001

Revised Date: May 6, 2014

