



**CITY OF AUSTIN
STANDARD PRODUCTS LIST**
for
T-HEAD BOLTS

USING DEPARTMENT: Water Utility

ISSUED: 07/01/99

REVISED: 07/01/06

PREPARED BY: Bill Flynn, P.E.

CITY STOCK NUMBER:

DESCRIPTION: Bolts, T-Head for mechanical joints. High-strength low-alloy steel (HSLA), having design as required by AWWA C111 and dimensions as given in Table 1 of AWWA C110 for C110 or C111 (cast iron size) joints or in Table 1 of AWWA C153 for compact ductile iron fitting joints. Nuts to meet Table 5 of AWWA C111, with dimensions as summarized in Note 1.

LISTING DATE	MANUFACTURER	PRODUCT IDENTIFICATION/COMMENT	APPROVAL
12/14/90	NSS TECHNOLOGIES 9075 General Dr. Plymouth, MI 48170	HSLA Steel (CORTEN) Bolt & Nut	W. Flynn
10/01/92	BIRMINGHAM FASTENER & SUPPLY, INC. P.O. Box 10323 Birmingham, AL 35202	HSLA steel Bolt & Nut (Nuts manufactured by Unytite, Inc., marked U & LA)	W. Flynn

NOTE: 1) Nuts shall have the following dimensions:

Bolt Diameter	Nut Size	Nut Depth
Inches	(same thing as wrench or socket size) Inches	Inches
3/4	1-1/4	3/4
1	1-5/8	1
1-1/4	2	1-1/4