



**CITY OF AUSTIN
STANDARD PRODUCTS LIST**
for

THREADED RESTRAINING ROD (HSLA)

USING DEPARTMENT: Water Utility **ISSUED:** 04/01/13 **REVIEWED:** 04/01/13 **REVISED:** 04/01/13

PREPARED BY: Robert Lamb, P.E. **CITY STOCK NUMBER:**

DESCRIPTION: Threaded rod and nuts, made of ASTM A242 high-strength low-alloy steel (HSLA) and conforming to AWWA C111, used for thrust restraint applications. Nuts shall be heavy hexagonal meeting the size requirements in Note 2.

LISTING DATE	MANUFACTURER	PRODUCT IDENTIFICATION/COMMENT	APPROVAL
04/01/13	BIRMINGHAM FASTENER MANUFACTURING 931 Avenue W Birmingham, AL 35214	Double end threaded tie rod	R. Lamb

NOTE:

1. Galvanized and plain carbon steel all-thread rods are unacceptable for this application.

2.	<u>Bolt Diameter, inches</u>	<u>Nut Size (wrench or socket size), inches</u>	<u>Nut Depth, inches</u>
	3/4	1-1/4	3/4
	1	1-5/8	1
	1-1/4	2	1-1/4