



**CITY OF AUSTIN
STANDARD PRODUCTS LIST**

for
TAPPING SLEEVES: STEEL FULL-BODY FOR CSC PIPE

USING DEPARTMENT: Water Utility **ISSUED:** 07/01/12 **REVIEWED:** 01/01/16 **REVISED:** 01/01/16

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

DESCRIPTION: Sleeves, Tapping, meeting AWWA C223, fabricated from carbon steel meeting ASTM A283 Grade C or ASTM A36, for use on CSC pipe. Sleeves shall have split body that completely surrounds the pipe. Sleeves shall have flanged outlet, gaskets, and grout ports. Outlet flange shall be flat-faced with bolt hole pattern (drilling) according to ASME/ANSI B16.1 Class 125 (same as B16.5 Class 150, aka 150 lb drilling). Outlet flange bolt holes shall straddle vertical centerline of the sleeve with sleeve in horizontal position. Flange recess dimensions for mating with tapping valve alignment lip shall be according to MSS SP-60.

LISTING DATE	MANUFACTURER	PRODUCT IDENTIFICATION/COMMENT	APPROVAL
07/01/12	JCM INDUSTRIES, INC. P.O. Box 1220 Nash, TX 75569	JCM 415 Type 2 ESS (w/304 stainless steel nuts, bolts, and washers, AWWA C207 Class E 275 psi flange, minimum 200 psi rated body (working pressure), minimum 12 mil thick fusion-bonded epoxy coating inside and out)	R. Lamb
07/01/12	FORTERRA BUILDING PRODUCTS (formerly Hanson Pressure Pipe) 1000 N. MacArthur Blvd. Grand Prairie, TX 75050	Forterra 415 Type 2 ESS (w/304 stainless steel nuts, bolts, and washers, AWWA C207 Class E 275 psi flange, minimum 200 psi rated body (working pressure), minimum 12 mil thick fusion-bonded epoxy coating inside and out)	R. Lamb

- NOTE:**
- To be used only if indicated on AWU-approved drawings.
 - CONTRACTOR'S / SUPPLIER'S **PROJECT SUBMITTAL** MUST INCLUDE MANUFACTURER'S **SHOP DRAWINGS AND ORDER DATA SHEET** THAT LISTS, AMONG OTHER INFORMATION, THE TYPE OF STEEL; TYPE OF NUTS, BOLTS AND WASHERS; TYPE OF COATING; CLASS OF FLANGE; AND PRESSURE RATING OF BODY, ALL MEETING THE REQUIREMENTS ABOVE.
 - CONTRACTOR'S / SUPPLIER'S **PROJECT SUBMITTAL** MUST BE APPROVED BY AWU.