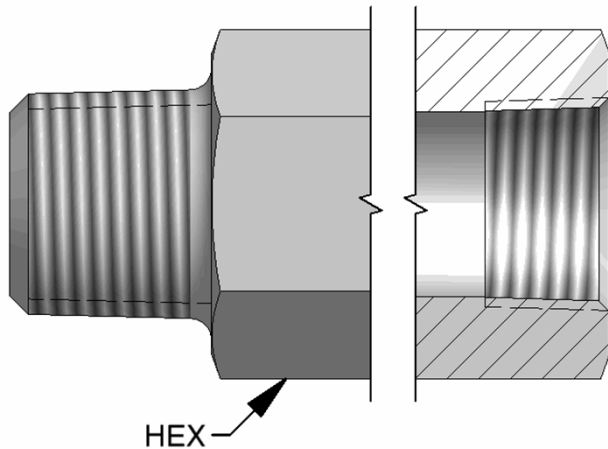


**CONNECTION IMAGE**



**DRYSEAL AMERICAN STANDARD TAPER PIPE THREAD (NPTF)**

**CONNECTION DETAILS / PERFORMANCE**

SEE **SAE J476a** - DRYSEAL PIPE THREADS

**CAUTIONS**

- ⚠ **EXCESSIVE TAPE MAY CAUSE DISTORTION OR CRACKING OF ONE OR BOTH COMPONENTS!**
- ⚠ **USE WRENCHES WITH FLAT ENGAGEMENT SURFACES (i.e. – OPEN END OR CRESCENT WRENCH), PIPE WRENCHES CAN DAMAGE VALVE BODY!**
- ⚠ **USING WRENCH HANDLE EXTENSIONS OR “CHEATER BARS” CAN LEAD TO OVER-TORQUE OF CONNECTION AND VALVE DAMAGE, MALFUNCTION, OR FAILURE!**
- ⚠ **WRENCH TO BE POSITIONED AS CLOSE TO THREADS AS POSSIBLE TO PREVENT SIDE LOAD ON THREADS!**

**DESCRIPTION**

1. INSPECT MALE AND FEMALE THREADS TO ENSURE THAT BOTH ARE FREE OF BURRS, NICKS OR ANY FOREIGN MATERIAL.
2. APPLY SEALANT/LUBRICATION TO MALE PIPE THREADS. WITH ANY SEALANT, THE FIRST 1-2 THREADS SHOULD BE LEFT UNCOVERED TO AVOID SYSTEM CONTAMINATION.

*NOTE: IF PTFE TAPE IS USED, IT SHOULD BE WRAPPED 1 1/2 – 2 TURNS IN CLOCKWISE DIRECTION WHEN VIEWED FROM THE MALE PIPE THREAD END.*

3. SCREW THE VALVE INTO THE MATING PORT OR FITTING TO THE FINGER TIGHT POSITION.
4. WRENCH TIGHTEN THE VALVE TO THE “**TURNS PAST FINGER TIGHT**” VALUES SHOWN IN THE TABLE BELOW.

*NOTE: NEVER BACK OFF (LOOSEN) PIPE THREADED CONNECTORS TO ACHIEVE ALIGNMENT.*

*NOTE: TORQUE RECOMMENDATIONS BELOW ARE FOR VALVE CONNECTED TO A COMPATIBLE FITTING, ADAPTER, OR BLOCK. IF VALVE IS CONNECTED TO FEMALE SWIVEL CONNECTION, REFER TO SWIVEL MANUFACTURER'S TORQUE RECOMMENDATION FOR THAT JOINT.*

NPTF THREAD SIZE	TURNS PAST FINGER TIGHT	HEX (TYPICAL) (in.)		
		MALE → MALE	FEMALE → FEMALE	MALE ↔ FEMALE
1/8 – 27	2 – 3	0.438	0.625	0.625
1/4 – 18	2 – 3	0.625	0.750	0.750
3/8 – 18	2 – 3	0.750	0.875	0.875
1/2 – 14	2 – 2.5	0.875	1.125	1.125
3/4 – 14	2 – 2.5	1.125	1.375	1.375
1 – 11 1/2	1.5 – 2.5	1.375	1.625	1.625
1 1/4 – 11 1/2	1.5 – 2.5	1.750	2.000	2.000
1 1/2 – 11 1/2	1.5 – 2.5	2.000	2.375	2.375

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