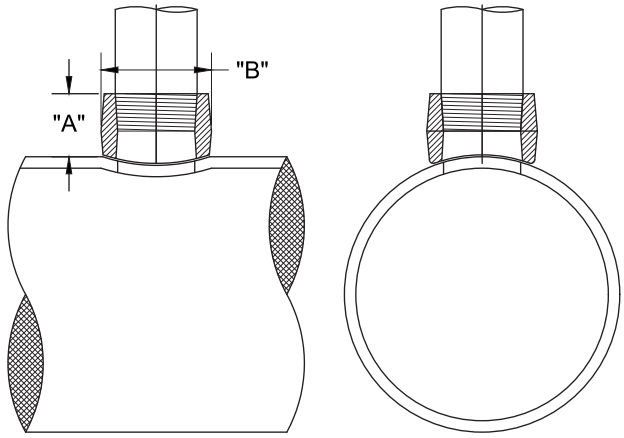
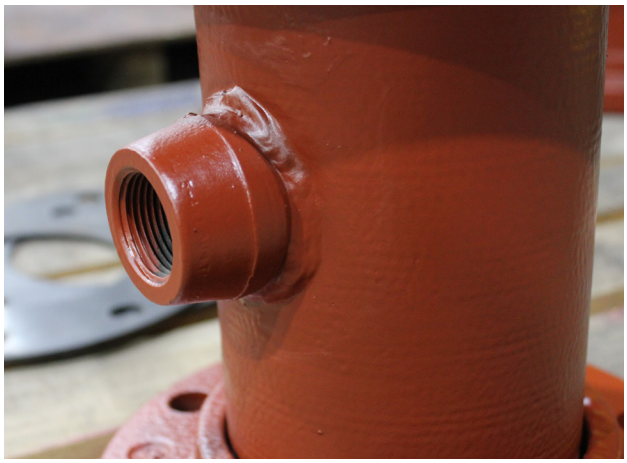
McWANE DUCTILE | IRON STRONG

DUCTILE IRON PIPE

THREAD-O-LET

NPT THREADED OUTLETS





McWane Ductile utilizes Thread-O-Lets to allow for a broader range of threaded connections. These threaded connections are used where a direct tap is greater than the allowable size for a direct tap or not allowed. The pressure rating of the Thread-O-Let will be the same as the main/or adjoining pipe. The chart below shows the available Thread-O-Lets and their overall dimensions.

THREAD-O-LET DIMENSIONS

SIZE	"A" DIMENSION	"B" DIMENSION	WEIGHT (LBS.)
0.5"	1.00"	1.41"	0.25
0.75"	1.06"	1.72"	0.35
1.0"	1.31"	2.00"	0.60
1.5"	1.38"	2.84"	1.00
2"	1.50"	3.47"	1.75
2.5"	1.81"	4.06"	3.00
3"	2.00"	4.81"	4.35
3.5"	2.13"	5.22"	5.75
4"	2.25"	5.97"	7.10

Outlet dimensions may vary depending on sourcing.

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THREAD-O-LET DESIGN GUIDELINES

1. Minimum thicknesses for pipe used in the fabrication of welded outlets are Thickness Class 53.

2. Piping systems must be designed so that bending loads are not applied to the outlet (for example, no fully deflected joints, no rigid joints, and no restraining devices that create a rigid joint). TR Flex® Joints* are designed with slack in the socket to facilitate insertion of the locking segments. Provisions must be made to stabilize the pipeline prior to hydrostatic testing to prevent bending loads from being applied to the welded outlet (for example, all joint pullout must be fully extended before the branch is connected to a branch line).

3. Thread-O-Lets are not recommended for direct bury in roadways. Roadway applications require the outlet to be housed in a concrete vault or a Ductile iron fitting is recommended.

4. TR Flex joints are designed with slack in the bell to facilitate assembly. It is IMPERATIVE that all slack, or pullout, be removed prior to making final connections to the welded outlet to avoid uncontrolled pipeline extension. Such extension can result in unpredictable loading and excessive stress on the welded outlet.

5. Unsupported cantilever loading on the branch is not approved.

6. Welded outlets are not recommended in applications of persistent and frequent vibration.

7. Outlet branches must be located at least 18 inches away from the plain end and 24 inches away from the face of the bell end of the parent pipe.

8. No portion of a welded outlet branch shall be subjected to impact or bending stresses during handling, storage, shipment, installation, or operation.

9. All coating and lining damage must be repaired before installation.

10. The weld area has a special protective coating that has been shop-applied. If this is damaged, please contact your local McWane Ductile Representative for coating/lining repair information.

* TR Flex® is a registered trademark of U.S. Pipe.

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