



**CITY OF AUSTIN
STANDARD PRODUCTS LIST**

for

POLYETHYLENE BUTT FUSION FITTINGS, FABRICATED (4-INCH AND LARGER)

USING DEPARTMENT: Austin Water **PREPARED BY:** Jeff A. Kyle, P.E. **ISSUED:** 01/01/22

REVISED BY: Jeff A. Kyle, P.E. **REVISED:** 01/01/25

DESCRIPTION: Butt fusion fittings, fabricated, polyethylene (HDPE) 4-inch and larger nominal diameter meeting the following requirements:

1. Compliance with AWWA C906
2. Compliance with ASTM F2206
3. Materials Designation Code of PE4710 (Cell Class: 445574C)
4. Ductile Iron Pipe Size (DIPS) OD end connections
5. Equivalent Dimension Ratio (EDR), as marked on the fitting, must match Dimension Ratio (DR) of the pipe to which it is connected.
6. NSF/ANSI 61 for potable use

LISTING DATE	MANUFACTURER	PRODUCT IDENTIFICATION/COMMENT	APPROVAL
01/01/22	GAJESKE INC. 14300 Greg Manor Rd. Manor, TX 78653	Tees 2 Segment 22.5° Bends 3 Segment 45° Bends Reducers End Caps	J. Kyle
01/01/22	GEORG FISCHER CENTRAL PLASTICS 39605 W. Independence Avenue Shawnee, OK 74804	Tees 2 Segment 22.5° Bends 3 Segment 45° Bends Reducers End Caps	J. Kyle
01/01/22	HARCO P.O. Box 10335 Lynchburg, VA 24506	Tees 2 Segment 22.5° Bends 3 Segment 45° Bends Reducers End Caps	J. Kyle
01/01/24	ISCO 100 Witherspoon St., 2W Louisville, KY 40202	Tees 2 Segment 22.5° Bends 3 Segment 45° Bends Reducers End Caps	J. Kyle

NOTES:

1. Fitting material must comply with requirements of the description above and be rated above design pressure.
2. Pipe feedstock used for fabricated fittings shall be no more than one Standard DR lower than the pipe to which they will be fused.
3. Sizes for wastewater force mains shall be determined based on specific project requirements.
4. These fittings shall only be used for pressurized service with HDPE pipe listed on SPL WW-706 and are not to be used for gravity flow wastewater systems.
5. Wall thickness of end connections shall match the wall thickness of pipe being joined.
6. Field beveling of pipe or fitting ends is prohibited.
7. Fabricated fittings without an EDR marking are unacceptable.
8. Each fusion technician performing butt fusion of these fittings to pipe in the field must be pre-qualified and possess a current certification issued by an independent, industry-recognized certification organization to make butt fusion joints.

LATEST REVISIONS (Since 01/01/24):

1. Updated SPL name.
2. Updated allowable sizes to 4-inch and larger.
3. Changed acronym for 'polyethylene' from 'PE' to 'HDPE'.