



Grooved Ductile Iron Pipe Fittings, Clamps & Flanges, Class 150









- Ductile iron material
- Max. operating pressure: 300 psi @ 150° F, except end caps are 1000 psi
- Orange color
- Tees read: run x run x outlet

Fittings and flanges are commonly used in rigid pipe systems, above-ground pipe installations, and in tight spaces including subfloors, crawl spaces, trenches, and tunnels. Grooved ductile iron is lighter, stronger, and more durable than cast iron. Iron absorbs vibration, handles stress without breaking, and works with water, diluted acids, alkali solutions, oil-free air, and other chemicals.

Grooved fittings combine roll-grooving and two-bolt coupling designs in a joint that resists external forces without special supports or expansion joints, and help maintain secure seals under both positive pressure and vacuum conditions. Grooved connection.

Threaded outlet pipe clamps are grooved and fit around pipe lengths similar to a saddle. They include a branch outlet that maintains a leaktight seal under both positive pressure and vacuum conditions. Grooved x grooved x NPT connection.

Grooved flanges provide easy access for cleaning, inspection, and modification. Flanged x grooved connection.

Description	Fitting Pipe Size	Seal Material	Item No.
Grooved Pipe Fittings			
45° Elbow			
	2" x 2"	—	2XEV7
	2½" x 2½"	—	2XEV8
	3" x 3"	—	2XEV9
	4" x 4"	—	2XEW1
	6" x 6"	—	2XEW2
	8" x 8"	—	2XEW3
	2" x 2"	—	2XEV1
	2½" x 2½"	—	2XEV2
	3" x 3"	—	2XEV3
	4" x 4"	—	2XEV4
	6" x 6"	—	2XEV5
	8" x 8"	—	2XEV6
	2" x 2"	—	2XFA6
	3" x 2"	—	2XFA7
	3" x 2½"	—	2XFA8
	4" x 2"	—	2XFA9
	4" x 2½"	—	2XFC1
	4" x 3"	—	2XFC2
	6" x 2"	—	2XFC3
	6" x 3"	—	2XFC4
	6" x 4"	—	2XFC5
	8" x 4"	—	2XFC6
	8" x 6"	—	2XFC7
	2"	—	2XFC8
	2½"	—	2XFE3
	3"	—	2XFC9
	4"	—	2XFD1
	6"	—	2XFD2
	8"	—	2XFD3
	2" x 2"	EPDM	2XET1
Flexible Coupling			
	2½" x 2½"	EPDM	2XET2
	3" x 3"	EPDM	2XET3
	4" x 4"	EPDM	2XET4
	6" x 6"	EPDM	2XET5
	8" x 8"	EPDM	2XET6
Reducing Tee			
	3" x 3" x 2"	—	2XEX1
	3" x 3" x 2½"	—	2XEX5
	4" x 4" x 2"	—	2XEX2
	4" x 4" x 2½"	—	2XEX6
	4" x 4" x 3"	—	2XEX7
	6" x 6" x 2"	—	2XEX3
	6" x 6" x 3"	—	2XEX8
	6" x 6" x 4"	—	2XEX9
	8" x 8" x 2"	—	2XEX4
	8" x 8" x 4"	—	2XEY1
	8" x 8" x 6"	—	2XEY2

* Anvil brand.

Description	Fitting Pipe Size	Seal Material	Item No.
Rigid Coupling			
	2" x 2"	EPDM	2XET7
	2½" x 2½"	EPDM	2XET8
	3" x 3"	EPDM	2XET9
	4" x 4"	EPDM	2XEU1
	6" x 6"	EPDM	2XEU2
	8" x 8"	EPDM	2XEU3
	2" x 2"	EPDM	46KK65 *
	2½" x 2½"	EPDM	46KK66 *
	3" x 3"	EPDM	46KK67 *
	4" x 4"	EPDM	46KK68 *
	6" x 6"	EPDM	46KK69 *
	8" x 8"	EPDM	46KK70 *
	8" x 8"	EPDM	46KK71 *
	2" x 2" x 2"	—	2XEW4
	2½" x 2½" x 2½"	—	2XEW5
Threaded Outlet Pipe Clamps			
Clamp with Grooved Branch			
	4" x 2" x 2"	EPDM	2XEY3
	4" x 2½" x 2½"	EPDM	2XEY4
	4" x 3" x 3"	EPDM	2XEY5
	6" x 2" x 2"	EPDM	2XEY6
	6" x 2½" x 2½"	EPDM	2XEY7
	6" x 3" x 3"	EPDM	2XEY8
	6" x 4" x 4"	EPDM	2XEY9
	8" x 2" x 2"	EPDM	2XEZ1
	8" x 2½" x 2½"	EPDM	2XEZ2
	8" x 3" x 3"	EPDM	2XEZ3
	8" x 4" x 4"	EPDM	2XEZ4
	2" x 1½" x 1½"	EPDM	2XEZ5
	2½" x 1½" x 1½"	EPDM	2XEZ6
	3" x 1½" x 2"	EPDM	2XEZ7
	3" x 2" x 1½"	EPDM	2XEZ8
	4" x 1½" x 2"	EPDM	2XEZ9
	4" x 2" x 2"	EPDM	2XFA1
	6" x 2" x 2½"	EPDM	2XFA2
	6" x 2½" x 2"	EPDM	2XFA3
	8" x 2" x 2½"	EPDM	2XFA4
	8" x 2½" x 1¼"	EPDM	2XFA5
Grooved Flanges			
Flange with EPDM Seal			
	2"	—	2XEU4
	2½"	—	2XEU5
	3"	—	2XEU6
	4"	—	2XEU7
	6"	—	2XEU8
	8"	—	2XEU9



Ductile-Iron Gaskets and Lubricants

Gasket material properties as designated in accordance with ASTM D2000.

Note: EPDM Gaskets not for use in petroleum applications.

Gaskets—EPDM Grade EP gaskets are for use with alkalies, dilute acids, salts, and water. Not for use with gases, hydrocarbons, and oils. **Nitrile Grade T** gaskets are for use with mineral oils, petroleum products, vegetable oils, and air contaminated with petroleum oils. Not for use in hot water applications. NSF Certified.

Silicone Lubricants—Waterproof and remain effective at extreme temperatures. Permit pipe ends to reposition themselves. Nontoxic and not petroleum based.

EPDM, Grade EP,
Temp. Range:
-40° to 250°F

Size Gaskets	Item No.	Nitrile, Grade T, Temp. Range: -20° to 180°F	Item No.
2"	12G538	39A247	
2½"	12G539	39A248	
3"	12G540	39A249	
4"	12G541	39A250	
6"	12G542	39A251	
8"	12G543	39A252	



2XFE1

Size	Item No.
10 oz	2XFE2
2.2 lb	2XFE1



Ductile-Iron Grooved Butterfly Valves

- Max. pressure: 300 psi
- Temp. range: -40° to 230°F

Corrosion-resistant stainless steel stems have a secondary seal that provides a lifetime lubrication chamber. With EPDM liner and 4 bolt holes.

Note: Not for use in petroleum applications.

Lever-Operated—Have lever handles; maintain a constant leaktight stem seal regardless of disc position. Meet MSS SP-67, except 3DVX7, 3DVG3, and 3DVG4 are UL Listed and FM Approved.

Gear-Operated—With 2 internal switches: 1 is wired for supervisory service; the other is for use as an auxiliary switch. Switches are rated for 11A at 125/150VAC; 0.5A at 125VDC; 0.25A at 250VDC. UL Listed; FM Approved.



Pipe Size	Bolt Circle Dia.	Item No.
Lever Handle		
2 in	3 in	2XFD4
2 in	7/16 in	805TN3
2 in	7/16 in	805TN7
2½ in	—	3DVX7
3 in	3 in	2XFD6
4 in	3 in	2XFD7
6 in	3 in	2XFD8
8 in	—	3DVG3
10 in	—	3DVG4

Pipe Size	Item No.
Gear Operated Handle	
2 in	3DVX6
3 in	3DVX8
4 in	3DVX9
5 in	3DVG1
6 in	3DVG2