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# APPROVAL REPORT

**Project No:** 3057692

**Class:** 1920

**Product Type:** Non-Gasketed Pipe Fittings for Use with Aboveground Fire Protection Systems

**Product Name:** Various Cast Iron Non-Gasketed Pipe Fittings with a Rated Working Pressure of 175 psi (1205 kPa)  
and  
Various Ductile Iron Non-Gasketed Pipe Fittings with a Rated Working Pressure of 500 psi (3445 kPa)

**Name of Report Holder:** CPS Products Inc

**Address of Report Holder:** Building A, S. Custer Road  
Monroe, Michigan 48161  
United States

**Customer ID:** 155619

**Prepared by**



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**January 27, 2017**

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**Date of Approval**

**APPROVAL GUIDE LISTING**

**Non-Gasketed Pipe Fittings**

Fire Protection – Automatic Sprinkler Systems – Pipes and Fittings for Aboveground – Pipe Fittings – Pipe Fittings

**CPS Products Inc**

**Building A, S. Custer Road, Monroe, Michigan 48161, United States**

Product Designation	Fitting Description	Nominal Pipe Size, in.	Rated Working Pressure, psi (kPa)	Remarks
C1011	90° Elbow (Class 125 Cast Iron)	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	175 (1205)	a, c
C1012	90° Reducing Elbow (Class 125 Cast Iron)	1 x 1/2, 3/4 1-1/4 x 1/2, 3/4, 1 1-1/2 x 1, 1-1/4 2 x 1/2, 3/4, 1, 1-1/4, 1-1/2	175 (1205)	a, c
C1013	45° Elbow (Class 125 Cast Iron)	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	175 (1205)	a, c
C1021	Equal Cross (Class 125 Cast Iron)	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	175 (1205)	a, c
C1022	Reducing Cross (Class 125 Cast Iron)	1-1/4 x 1 1-1/2 x 1 2 x 1	175 (1205)	a, c
C1031	Hexagonal Reducing Coupling (Class 125 Cast Iron)	1 x 1/2, 3/4	175 (1205)	a, c
C1041	Equal Tee (Class 125 Cast Iron)	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	175 (1205)	a, c
C1042	Reducing Tee (Class 125 Cast Iron)	1 x 1 x 1/2, 3/4, 1-1/4, 1-1/2 1 x 1/2 x 1 1 x 3/4 x 1 1-1/4 x 1 x 1/2, 3/4, 1, 1-1/4, 1-1/2 1-1/4 x 1-1/4 x 1/2, 3/4, 1, 1-1/2, 2 1-1/2 x 1 x 1/2, 3/4, 1, 1-1/4, 1-1/2 1-1/2 x 1-1/4 x 1/2, 3/4, 1, 2 1-1/2 x 1-1/2 x 1/2, 3/4, 1, 1-1/4, 2 2 x 1 x 2 2 x 1-1/4 x 2 2 x 1-1/2 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2 2 x 2 x 1/2, 3/4, 1, 1-1/4, 1-1/2	175 (1205)	a, c
D1011	90° Elbow (Class 150 Ductile Iron)	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	500 (3445)	b, c

Product Designation	Fitting Description	Nominal Pipe Size, in.	Rated Working Pressure, psi (kPa)	Remarks
D1012	90° Reducing Elbow (Class 150 Ductile Iron)	1 x 1/2, 3/4 1-1/4 x 1/2, 3/4, 1 1-1/2 x 1, 1-1/4 2 x 1/2, 3/4, 1, 1-1/4, 1-1/2	500 (3445)	b, c
D1013	45° Elbow (Class 150 Ductile Iron)	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	500 (3445)	b, c
D1021	Equal Cross (Class 150 Ductile Iron)	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	500 (3445)	b, c
D1022	Reducing Cross (Class 150 Ductile Iron)	1-1/4 x 1 1-1/2 x 1 2 x 1	500 (3445)	b, c
D1031	Hexagonal Reducing Coupling (Class 150 Ductile Iron)	1 x 1/2, 3/4	500 (3445)	b, c
D1032	Straight Coupling (Class 150 Ductile Iron)	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	500 (3445)	b, c
D1041	Equal Tee (Class 150 Ductile Iron)	1/2, 3/4, 1, 1-1/4, 1-1/2, 2	500 (3445)	b, c
D1042	Reducing Tee (Class 150 Ductile Iron)	1 x 1 x 1/2, 3/4, 1-1/4, 1-1/2 1 x 1/2 x 1 1 x 3/4 x 1 1-1/4 x 1 x 1/2, 3/4, 1, 1-1/4, 1-1/2 1-1/4 x 1-1/4 x 1/2, 3/4, 1, 1-1/4, 1-1/2 1-1/2 x 1 x 1/2, 3/4, 1, 1-1/4, 1-1/2 1-1/2 x 1-1/4 x 1/2, 3/4, 1, 2 1-1/2 x 1-1/2 x 1/2, 3/4, 1, 1-1/4, 2 2 x 1 x 2 2 x 1-1/4 x 2 2 x 1-1/2 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2 2 x 2 x 1/2, 3/4, 1, 1-1/4, 1-1/2	500 (3445)	b, c
D1051	End Cap (Class 150 Ductile Iron)	1, 1-1/4, 1-1/2, 2	500 (3445)	b, c

**Remarks:**

- a. Manufactured from Grade A ASTM A126 Cast Iron
- b. Manufactured from Grade 65-45-12 ASTM A536 Ductile Iron
- c. For use with NPT Threaded End Connections