

SUBMITTAL DATA SHEET

Carbon Steel Press Fittings for Gas Elbows

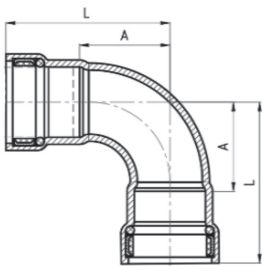


A.Y. McDonald Mfg. Co. Carbon Steel Press Fittings can be applied to Schedule 10 to 40 steel pipes meeting ASTM A53, A106, A135, and A795 standards and are compatible with a wide range of approved applications, including natural gas and propane. These fittings can be installed and connected with most of carbon steel pipes in residential, commercial, and industrial systems. This press system does not require gas shielded welding, brazing, and threading, so there is no fire hazard. Therefore, connecting gas pipe can be done safely and quickly.

71990G

Carbon Steel Elbow 90° - Press x Press (HNBR) - NL

Dimensions

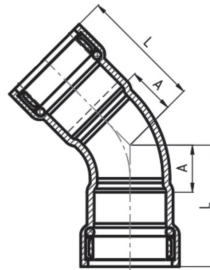


Part No.	Model No.	Size	L	A
4419-419	71990G	1/2"	2.24"	1.17"
4419-420	71990G	3/4"	2.52"	1.36"
4419-421	71990G	1"	3.07"	1.72"
4419-422	71990G	1 1/4"	3.82"	2.00"
4419-423	71990G	1 1/2"	4.13"	2.26"
4419-424	71990G	2"	4.78"	2.80"

71945G

Carbon Steel Elbow 45° - Press x Press (HNBR) - NL

Dimensions

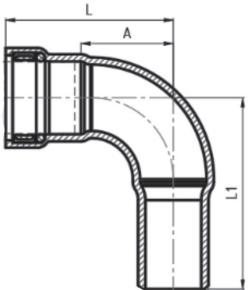


Part No.	Model No.	Size	L	A
4419-431	71945G	1/2"	1.67"	0.60"
4419-432	71945G	3/4"	1.87"	0.71"
4419-433	71945G	1"	2.20"	0.86"
4419-434	71945G	1 1/4"	2.80"	0.98"
4419-435	71945G	1 1/2"	2.99"	1.12"
4419-436	71945G	2"	3.31"	1.32"

71991SFG

Carbon Steel Street Elbow 90° - Press x Fitting (HNBR) - NL

Dimensions

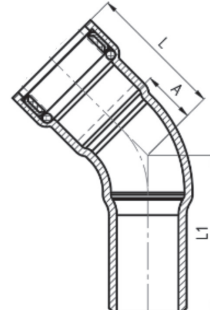


Part No.	Model No.	Size	L	L1	A
4419-425	71991SFG	1/2"	2.24"	2.56"	1.17"
4419-426	71991SFG	3/4"	2.52"	2.87"	1.36"
4419-427	71991SFG	1"	3.07"	3.39"	1.72"
4419-428	71991SFG	1 1/4"	3.82"	4.04"	2.00"
4419-429	71991SFG	1 1/2"	4.13"	4.21"	2.26"
4419-430	71991SFG	2"	4.78"	5.08"	2.80"

71945G

Carbon Steel Street Elbow 45° - Press x Fitting (HNBR) - NL

Dimensions



Part No.	Model No.	Size	L	L1	A
4419-437	71945SFG	1/2"	1.67"	1.97"	0.60"
4419-438	71945SFG	3/4"	1.87"	2.13"	0.71"
4419-439	71945SFG	1"	2.20"	2.52"	0.86"
4419-440	71945SFG	1 1/4"	2.80"	2.99"	0.98"
4419-441	71945SFG	1 1/2"	2.99"	3.07"	1.12"
4419-442	71945SFG	2"	3.31"	3.58"	1.32"

SUBMITTAL INFORMATION

- HNBR sealing element for fuels and gases
- Available sizes ranging from 1/2" to 2" in diameter
- Configurations include elbows, couplings, repair couplings (no stop), extended couplings (no stop), reducers, tees, adapters, unions, and caps
- Zinc nickel alloy coating with stronger corrosion-resistance
- Leak technology - a significant leakage will be identified at an unpressed fitting during the low pressure testing of the piping system
- The carbon steel press fittings are compatible RIDGID® (RP Series) and Milwaukee® (M18™) standard jaws



Non-Potable Use Only



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A.Y. McDonald considers the information on this assembly drawing correct when published. Item and option availability, including specifications, are subject to change without notice.

Submitted by:

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Carbon Steel Press Fittings for Gas Elbows



Type of Service	System Operating Conditions			Sealing Element HNBR
	Comments	Pressure (PSI)	Temperature (°F)	
Fuel/Oil/Lubricant				
Mineral Oil		200	Ambient ²	✓
Lubricating Oil	Petroleum based		Max 149°F	✓
Propane		125	-40°F to 180°F	✓ ³
Butane				✓ ³
Natural Gas	Major component is methane			✓ ³
Heating Fuel Oil			Max 100°F	✓
Diesel Fuel				✓
Gas				
Compressed Air	Oil concentration ≤ 25 mg/m ³	200	Max 140°F	✓ ¹
	Oil concentration > 25 mg/m ³			✓ ¹
Nitrogen				✓
Carbon Dioxide	Dry			✓
Argon Gas		✓		
Hydrogen		125	Max 140°F	✓
Acetylene	Test pressure 350 PSI	20	Ambient ²	✓
Vacuum	Minimum absolute pressure Maximum differential pressure	750 μ m Hg 29.2 Hg	Max 160°F	✓

1. The system must contain sufficient condensate drain.
2. The ambient temperature should be regarded as a normal working condition and should not exceed the limit of the sealing ring.
3. Complies with CSA 6.32/ANSI LC-4.



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