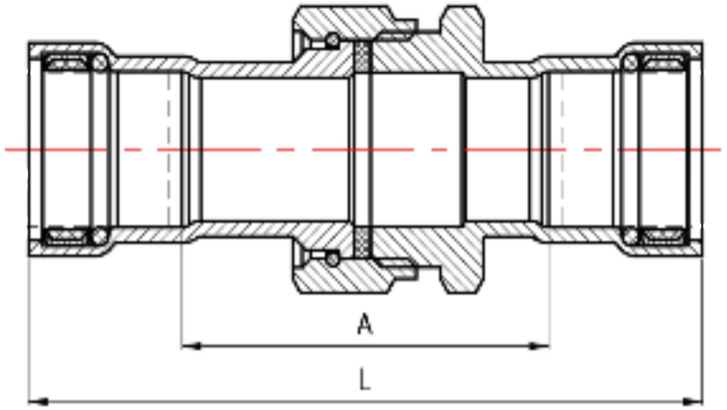
SUBMITTAL DATA SHEET

Carbon Steel Press Fittings for Gas
Unions

Press x Press

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.



Dimensions

Part No.	Model No.	Size	L	A
4419-471	71920G	1/2”	4.50”	2.35”
4419-472	71920G	3/4”	4.99”	2.67”
4419-473	71920G	1”	5.34”	2.65”
4419-474	71920G	1 1/4”	6.48”	2.84”
4419-475	71920G	1 1/2”	6.63”	2.89”
4419-476	71920G	2”	7.89”	3.92”

SUBMITTAL INFORMATION

Non-Potable Use Only

C US

- 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

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Submitted by:

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Type of Service	System Operating Conditions			Sealing Element HNBR
	Comments	Pressure (PSI)	Temperature (ºF)	
Fuel/Oil/Lubricant				
Mineral Oil		200	Ambient[2]	✓
Lubricating Oil	Petroleum based		Max 149ºF	✓
Propane		125	-40ºF to 180ºF	✓[3]
Butane				✓[3]
Natural Gas	Major component is methane			✓[3]
Heating Fuel Oil			Max 100ºF	✓
Diesel Fuel				✓
Gas				
Compressed Air	Oil concentration ≤25 mg/m³	200	Max 140ºF	✓[1]
	Oil concentration >25 mg/m³			✓[1]
Nitrogen				✓
Carbon Dioxide	Dry			✓
Argon Gas				✓
Hydrogen		125	Max 140ºF	✓
Acetylene	Test pressure 350 PSI	20	Ambient[2]	✓
Vacuum	Minimum absolute pressure Maximum differential pressure	750µm Hg 29.2 Hg	Max 160ºF	✓

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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