

# SUBMITTAL DATA SHEET

## Carbon Steel Press Fittings for Gas Couplings

### Press x Press (HNBR)

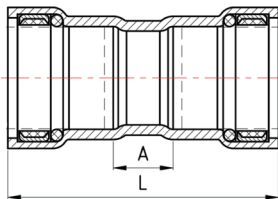


A.Y. McDonald Mfg. Co. Carbon Steel Press Fittings can be applied to Schedule 10 to 40 steel pipes meeting ASTM A53, A106, A135, and A795 standards and are compatible with a wide range of approved applications, including natural gas and propane. These fittings can be installed and connected with most 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.

### 71900G

Carbon Steel Coupling with Stop

#### Dimensions

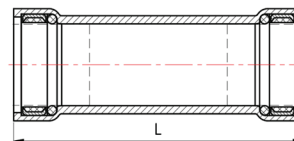


Part No.	Model No.	Size	L	A
4419-401	71900G	1/2"	2.70"	0.56"
4419-402	71900G	3/4"	2.94"	0.63"
4419-403	71900G	1"	3.29"	0.59"
4419-404	71900G	1 1/4"	4.34"	0.70"
4419-405	71900G	1 1/2"	4.63"	0.89"
4419-406	71900G	2"	4.75"	0.77"

### 71900ECG

Carbon Steel Extended Coupling without Stop

#### Dimensions

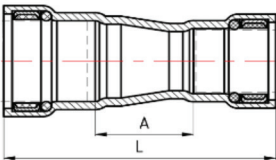


Part No.	Model No.	Size	L
4419-449	71900ECG	1/2"	3.82"
4419-450	71900ECG	3/4"	4.00"
4419-451	71900ECG	1"	4.39"
4419-452	71900ECG	1 1/4"	5.33"
4419-453	71900ECG	1 1/2"	5.43"
4419-454	71900ECG	2"	5.63"

### 71900G

Carbon Steel Reducing Coupling with Stop

#### Dimensions

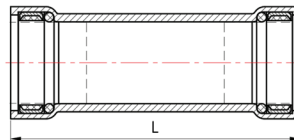


Part No.	Model No.	Size	L	A
4419-407	71900G	3/4" x 1/2"	3.43"	1.20"
4419-408	71900G	1" x 1/2"	3.79"	1.37"
4419-409	71900G	1" x 3/4"	3.74"	1.24"

### 71900RCG

Carbon Steel Repair Coupling without Stop

#### Dimensions



Part No.	Model No.	Size	L
4419-477	71900RCG	1/2"	2.71"
4419-478	71900RCG	3/4"	2.94"
4419-479	71900RCG	1"	3.29"
4419-480	71900RCG	1 1/4"	4.34"
4419-481	71900RCG	1 1/2"	4.63"
4419-482	71900RCG	2"	4.74"

## 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



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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 Couplings

Press x Press



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