

# SUBMITTAL DATA SHEET

## Carbon Steel Press Fittings for Gas Adapters

Press x FNPT, Press x MNPT, Press x Fitting

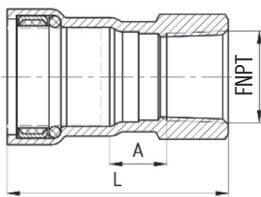


A.Y. McDonald Mfg. Co. Carbon Steel Press Fittings can be applied to Schedule 10 to 40 steel pipes meeting ASTM A53, A106, A135, and A795 standards and are compatible with a wide range of approved applications, including natural gas and propane. These fittings can be installed and connected with most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

### 71900FG

Carbon Steel Female Adapter - Press x FNPT (HNBR) - NL

#### Dimensions

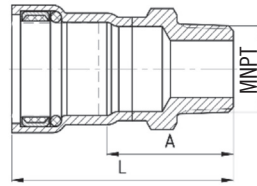


Part No.	Model No.	Size	L	A
4419-455	71900FG	1/2"	2.29"	0.69"
4419-456	71900FG	3/4"	2.45"	0.74"
4419-457	71900FG	1"	2.74"	0.73"
4419-458	71900FG	1 1/4"	3.27"	0.77"
4419-459	71900FG	1 1/2"	3.28"	0.72"
4419-460	71900FG	2"	3.44"	0.76"

### 71900MG

Carbon Steel Male Adapter - Press x MNPT (HNBR) - NL

#### Dimensions

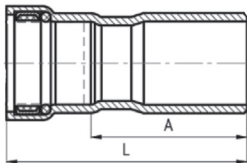


Part No.	Model No.	Size	L	A
4419-461	71900MG	1/2"	2.52"	1.45"
4419-462	71900MG	3/4"	2.66"	1.50"
4419-463	71900MG	1"	3.00"	1.66"
4419-464	71900MG	1 1/4"	3.70"	1.90"
4419-465	71900MG	1 1/2"	3.80"	1.93"
4419-466	71900MG	2"	3.92"	1.93"

### 71900SMG

Carbon Steel Street Adapter - Press x Fitting (HNBR) - NL

#### Dimensions



Part No.	Model No.	Size	L	A
4419-467	71900SMG	1/2" x 3/4"	2.85"	1.78"
4419-470	71900SMG	1/2" x 1"	3.21"	2.14"
4419-469	71900SMG	3/4" x 1"	3.24"	2.09"
4419-468	71900SMG	3/4" x 1 1/2"	4.13"	2.98"
4419-483	71900SMG	1" x 1 1/4"	3.98"	2.63"
4419-484	71900SMG	1" x 1 1/2"	4.16"	2.81"
4419-485	71900SMG	1" x 2"	4.49"	3.14"
4419-486	71900SMG	1 1/4" x 2"	4.83"	3.02"

### 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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Adapters

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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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