

MATERIAL SPECIFICATION SHEET

MECHPRESS

Mechanical & Fire Protection
Gas & Fuel Oil

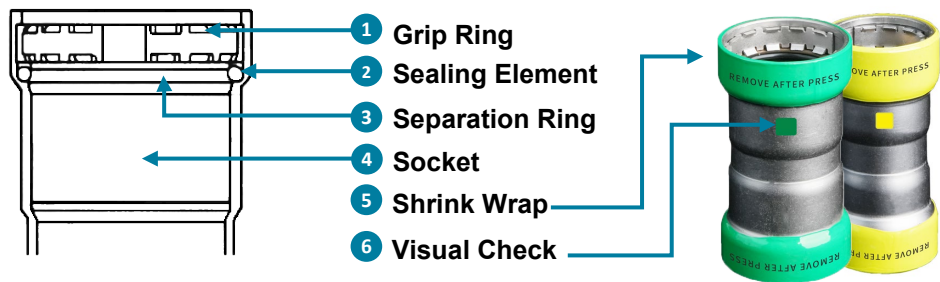


Overview

MECHPRESS Carbon Steel Press Fittings are designed to be used with Schedule 10 to 40 carbon steel pipe (in accordance with NFPA 13, Standard for the Installation of Sprinkler Systems) on nominal sizes 1" to 2". MECHPRESS fittings can be connected to most carbon steel systems installed in residential, commercial, and industrial systems, including systems with seamless steel pipe (S) or ERW steel pipe (W).

Features & Benefits

- 360° Symmetric design with a double row of stainless steel grip rings for Superior pull-out resistance
- All fittings are zinc-nickel coated to protect against corrosion
- **Smart Leak-Proof Technology:** Unpressed fittings will visibly leak if not pressed during low-pressure testing (liquids only)
 - **Visual Inspection:** Fall away shrink-wrapped fitting hubs, provide visual confirmation that fittings have been pressed before going into service
 - **Visual Check:** Two color coded squares per fitting on each side.
 - MECHPRESS (Mechanical & Fire Protection)
 - MECHPRESS-G (Gas & Fuel Oil)
 - **Sealing Elements specific for use:** Fluoroelastomer (FKM) for MECHPRESS and Hydrogenated Nitrile Butadiene Rubber (HNBR) for MECHPRESS-G



Material/Component List

No.	Item	Material
1	Grip Ring	Stainless Steel
2	Sealing Element	Mechanical & Fire Protection FKM Fluoroelastomers
		Gas & Fuel Oil HNBR Hydrogenated Nitrile Butadiene Rubber
3	Separation Ring	Brass
4	Socket	Carbon Steel
5	Shrink Wrap	Plastic
6	Visual Check Sticker	Plastic/Vinyl

Operating Parameters

	MECHPRESS Mechanical & Fire Protection	MECHPRESS-G Gas & Fuel Oil
Sealing Element	FKM Fluoroelastomers	HNBR Hydrogenated Nitrile Butadiene Rubber
Operating Pressure	200 psi Max	125 psi Max
Operating Temperature	14°F (-10°C) to 284°F (140°C)	- 40°F (- 40°C) to 180°F (82°C)

Approved Piping

Schedule 10 to 40 carbon steel pipe



Listing & Certifications

MECHPRESS Mechanical & Fire Protection	MECHPRESS-G Gas & Fuel Oil
<p>Listings</p> <p>ANSI/CAN/UL 213, ASME B31.3, ASME B31.5, ASME B31.9, FM 1920, IAPMO/ANSI/CAN Z1117, NSF/ANSI 61, NSF/ANSI/CAN 372, UL 852, ULC/ORD-C199S</p>	<p>Listings</p> <p>ASME B31.1, ASME B31.3, ASME B31.5, CSA B149.1, CSA Class C330511, CSA Class C330591, CSA/ANSI LC 4/CSA 6.32</p>



CODES

International Fuel Gas Code (IFGC), International Plumbing Code (IPC), National Plumbing Code of Canada, Uniform Plumbing Code (UPC)

Approved Applications



MECHPRESS Mechanical & Fire Protection Fluoroelastomers (FKM)	MECHPRESS-G Gas & Fuel Oil Hydrogenated Nitrile Butadiene Rubber (HNBR)
Fittings are for use with approved mechanical applications and are intended for the operating pressure 0-200 psi	Fittings are for use with fuel gases and are intended for an operating pressure of 0-125 psi
<ul style="list-style-type: none"> • Chilled Water • Hydronic Water • Fire Sprinkler • Low-Pressure Steam • Compressed Air <ul style="list-style-type: none"> • Nitrogen • Carbon Dioxide <ul style="list-style-type: none"> • Argon Gas • Oxygen • Hydrogen • Acetylene • Vacuum 	<ul style="list-style-type: none"> • Natural Gas • Propane • Butane • Heating Fuel Oil <ul style="list-style-type: none"> • Diesel • Mineral Oil • Lubricating Oil • Compressed Air <ul style="list-style-type: none"> • Nitrogen • Carbon Dioxide <ul style="list-style-type: none"> • Argon Gas • Hydrogen • Acetylene • Vacuum

For full details reference the MECHPRESS Submittal Sheet at americangranby.com

Compatible Tools

MECHPRESS and MECHPRESS-G can be installed with properly maintained and calibrated RIDGID and Milwaukee press tools and their compatible jaws, rings, and accessories designed for carbon steel.

RIDGID® is a registered trademark of RIDGID Inc.

Milwaukee® is a registered trademark of Milwaukee Electric Tool Corporation.

Important Notes

- See the Operator's Manual for proper tool instructions
- Ensure press jaws and rings are compatible with carbon steel
- **Do not use press tools or components intended for copper and stainless steel press-fit systems**
- Do not mix and match components from different manufacturers
- Safeguard against potential hazards by wearing Personal Protective Equipment (PPE)