



CARBON STEEL PRESS FITTINGS

DATA SHEET



Product Description:

Titanpress G Carbon Steel Press fittings designed for use in gas and fuel oil applications utilizing ASTM A53, Schedule 10 to Schedule 40 carbon steel pipe. Titanpress G Carbon Steel Press fittings are compatible with most common black iron pipe pressing tools and jaws. Fittings contain QuadGrip™ interlaced grip teeth to provide superb fitting-to-pipe grip and stability. Fittings are color coded with yellow dot and removable sticker to notate its HNBR sealing element. Designed with Smart Press leak-before-press system help ensure all connection have been pressed.

15 Year Limited Warranty for approved gas and fuel oil applications (non-industrial and non-marine applications)

Features and Advantages:

- For use with Sch. 5 to Sch. 40 Carbon Steel Pipe
- Available in diameters 1/2" - 2" (2-1/2" - 4" coming soon)
- Broad offering of 200+ fitting configurations
- QuadGrip™ Interlaced 4-Directional Grip Teeth Provide 360° stability
- Products color coded for easy identification
- Smart Press LBP (Leak Before Press) system

Compatible Pipe:

- ASTM A53 Schedule 5 to Schedule 40 carbon steel pipe

Components:

- Carbon steel body with zinc/nickel corrosion-resistant coating
- HNBR Sealing element
- 420 stainless steel grip ring
- 304 stainless steel separator ring

Operating Performance:

- Operating Pressure: 125 psi max for fuel gas applications
200 PSI Max for other approved applications
- Test Pressure: 600 psi max
- Temperature Range: -40°F to 180°F for fuel gas applications

Certificates and Listings:

- CSA: ANSI LC 4a/CSA 6.32a
- IAPMO: ANSI LC 4a/CSA 6.32a

Approved Systems:

- Natural Gas (up to 125 PSI)
- Propane (up to 125 PSI)
- Mineral Oil (up to 200 PSI)
- Compressed Air (up to 200 PSI)
- Nitrogen (up to 200 PSI)
- Heating Fuel Oil (up to 125 PSI)

Complies With:

- Uniform Mechanical Code (UMC)
- Uniform Plumbing Code (UPC)
- NFPA 54 and 58
- International Mechanical Code (IMC)
- International Plumbing Code (IPC)
- International Fuel Gas Code (IFGC)
- ASME B31: Code for Pressure Piping



CARBON STEEL PRESS FITTINGS

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Product Description:

Titanpress M Carbon Steel Press fittings designed for use in mechanical & fire sprinkler applications utilizing STM A53, Schedule 10 to Schedule 40 carbon steel pipe. Titanpress M Carbon Steel Press fittings are compatible with most common black iron pipe pressing tools and jaws. Fittings contain QuadGrip™ interlaced grip teeth to provide superb fitting-to-pipe grip and stability. Fittings are color coded with green dot (EPDM) & white dot (FKM) for easy identification. Designed with Smart Press leak-before-press system help ensure all connection have been pressed.

15 Year Limited Warranty for approved applications (non-industrial and non-marine applications)

Features and Advantages:

- For use with Sch. 5 to Sch. 40 Carbon Steel Pipe
- Broad offering of 200+ fitting configurations
- Products color coded for easy identification
- Available in diameters 1/2" - 2" (2-1/2" - 4" coming soon)
- QuadGrip™ Interlaced Grip Teeth Provide 360° stability
- Smart Press LBP (Leak Before Press) system

Compatible Pipe:

- STM A53, A106, A135, and A795 Schedule 5 to Schedule 40 carbon steel pipe Schedule 80 pipe with low pressure

Components:

- Carbon steel body with zinc/nickel corrosion-resistant coating
- EPDM Sealing element
- FKM Sealing element for 2-1/2" to 4" fittings
- 304 stainless steel separator ring
- Added support ring for 2-1/2" to 4" fittings
- 420 stainless steel grip ring

Operating Performance:

- Operating Pressure: 200 PSI CWP Max
- Test Pressure: 600 PSI CWP Max
- Temperature Range EPDM: 0°F to 250°F
- Temperature Range FKM: 14°F - 284°F (with spikes up to 356°F)

Certificates and Listings:

- UL 213 Listed
- ASTM F3226
- FM Class 1920
- 2-1/2" to 4" Fittings w/ FKM FM Class 1920

Approved Systems:

- Chilled Water (up to 200 PSI)
- Hydronic Heating (up to 200 PSI)
- Fire Sprinkler (up to 200 PSI)
- Low Pressure Steam (up to 15 PSI)
- Dry Compressed Air
- Technical Gases

Complies With:

- Uniform Mechanical Code (UMC)
- Uniform Plumbing Code (UPC)
- NFPA 13, 13D and 13R
- International Mechanical Code (IMC)
- International Plumbing Code (IPC)
- IAPMO PS-117
- ASME B31: Code for Pressure Piping



Approved Applications

Types of Service	Comments	Pressure	Temperature	Compatible with	
				EPDM Mechanical	HNBR Gas
Water & Liquids					
Chilled Water	≤ 50% Ethylene Glycol / Propylene Glycol	200 PSI	0°F to 250°F	•	
Hydronic Heating				•	
Isopropyl Alcohol	-		175 PSI	Ambient	•
Fire Sprinkler	Complaint with UL for NFPA 13, 13D and 13R	•			
Low-Pressure Steam	-	15 PSI	Up to 248°F	•	
Fuel, Oil & Lubricants					
Mineral Oil	-	200 PSI	Ambient		•
Lube Oil	Petroleum Based		Up to 150°F		•
Propane	-	125 PSI	-40°F to 180°F		•
Butane	-			•	
Natural Gas	Primarily Methane			•	
Heating Fuel Oil	-		Up to 100°F		•
Diesel Fuel	-			•	
Gases					
Compressed Air	Less than / Equal 25mg/m3 Oil Content	200 PSI	140°F	•	•
Compressed Air	More than / Equal 25mg/m3 Oil Content				•
Nitrogen - N2	-			•	•
Argon - Ar	-			•	•
Carbon Dioxide - CO2	Dry			•	•
Hydrogen - H2	-	125 PSI		•	•
Oxygen - O2(Non Medical)	Non-Medical keep free of oil and grease/non-liquid O2	140 PSI		•	•
Vacuum	Minimum Absolute Pressure Maximum Differential Pressure	750 µm Hg 29.2" Hg	Up to 160°F	•	•
Acetylene	Test Pressure 350 PSI	20 PSI	Ambient	•	•