

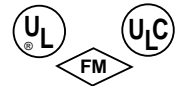
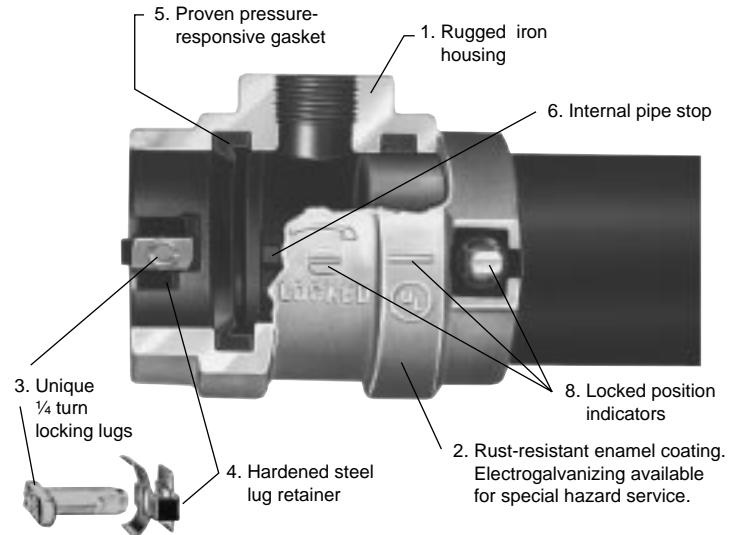
FIT[®] Piping System

PRODUCT DESCRIPTION

The FIT (Fast Installation Technique) line of products is designed specifically to join plain end steel pipe without threading or welding (pipe ends must be properly cleaned). The unique locking lug secures pipe to the FIT fittings with just a quarter-turn. Gaskets, located in both ends of the fittings, seal as the pipe is inserted past them and sealing is enhanced by pressure in the line. Silicone gaskets are recommended for fire protection dry systems, all systems operating below 0°F (-18°C). Refer to page 13.01 - 2 for details.

Internal pipe stops provide a uniform take-out dimension. Marking of the pipe indicates correct insertion of the pipe to the stop. Visual locking indicator cast into the housing corresponds to lug markings for visual verification of the lug locked position.

FIT products are UL, ULC and FM rated for 175 PSI (1200 kPa) working pressure on Schedule 10/40 steel pipe. They are approved and listed for above ground fire protection systems, automatic sprinkler, open sprinkler and standpipe both wet and dry systems. Electroplated housings are available and recommended for special hazards, exposed locations and corrosive environments.



Joins plain end steel pipe

No threading, welding or grooving • Just clean pipe ends, mark pipe, lubricate and assemble



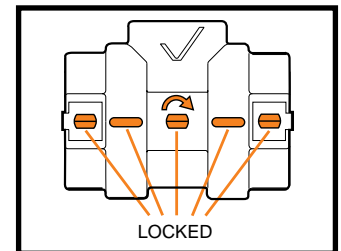
Fast 1/4-turn assembly

Single handle tool assembly • Joins pipe in tight locations



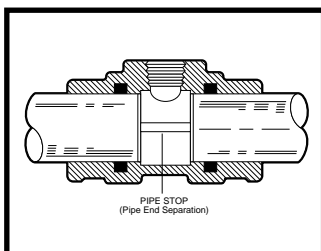
Positive locking lug engagement

Lug cams on housing forcing teeth to engage pipe wall • Hardened steel teeth bite into pipe



Visual locking lug indicators

Permits easy visual verification of lug orientation • Alignment indicators on lugs should coincide with those on housing



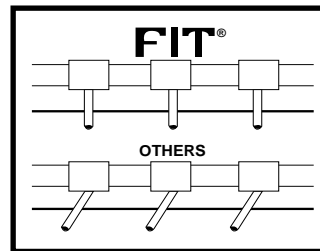
Uniform take-out dimension

Pipe end separation uniformly spaced by internal pipe stop • Easier pipe fabrication • Assurance of consistent dimensions



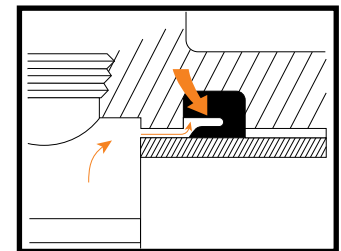
Allows rotation before locking

Side locking lug design permits easy alignment before locking • Permits repositioning and re-locking



Rigid positioning

No line growth under pressure • Uniform drop nipple, sprig or branch location maintained



Proven pressure responsive gasket

Gasket seal is enhanced by internal pressure • Gasket concept similar to grooved coupling gasket

GASKET SELECTION

FIT products with the Grade "T" (nitrile) gasket are available for many piping applications including compressed air, plant cooling water, welder water, chilled water, machine service piping, machine oil piping and solvent lines. Note: Since FIT products are fittings and not couplings, the interior is not fully rubber lined. Therefore, any applications involving substances corrosive to ductile iron, but not corrosive to a coupling gasket, may result in a premature system malfunction. For

services not listed or special services, contact Victaulic for recommendations.

Note: Always lubricate exposed gasket sealing lip to assure proper seating.

Use Victaulic lubricant. Other compatible materials such as silicone and others may be used.

Always specify the proper grade to assure maximum gasket life for the service recommended.

Standard FIT Gaskets

Grade	Temp. Range	Compound	Color Code	*General Service Recommendations
E	0°F (-18°C) to +230°F (+110°C)	EPDM	Green Stripe	Recommended for hot water service within the specified temperature range plus a variety of dilute acids, oil-free air and many chemical services. <i>Not recommended for petroleum services.</i>

Special FIT Gaskets

Grade	Temp. Range	Compound	Color Code	*General Service Recommendations
L	-30°F (-34°C) to +350°F (+177°C)	Silicone	Red Gasket	*FIT Products silicone gaskets are recommended for fire protection dry systems, all systems operating below 0°F plus dry heat, air without hydrocarbons, certain chemical services and water to +160°F.
T	-0°F (-18°C) to +180°F (+82°C)	Nitrile	Orange Stripe	Recommended for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range. <i>Not recommended for hot water services over +150°F (+66°C) or for hot dry air over +140°F (+60°C).</i>

*Services listed are General Service Recommendations only. It should be noted that there are services for which these gaskets are not recommended. Reference should always be made to the latest Victaulic Gasket Selection Guide for specific gasket service recommendations and for a listing of services which are not recommended.

FIT SOCKET

A specially designed socket is available to speed and ease assembly of FIT products. FIT Socket is sized specially for FIT locking lugs. It fits any standard 1/2" (13 mm) drive socket wrench or breaker bar. Side fins on the socket indicate lug orientation for proper assembly.

FIT Socket is recommended for assembly of FIT products. The steel socket is case hardened for durability. The lug opening is recessed for easy lug entry. Use with a standard socket wrench permits tightening FIT lugs from varied angles or positions.

