

LYALL

TRANSITION FITTINGS

Two Proven Designs

Lyall Transition Fittings are one-piece, factory assembled transitions that provide safe, economical, and easy installation connections between gas carrying steel pipe and polyethylene (PE) pipe.

Lyall is the only manufacturer that offers two distinct transition sealing methods. This allows for a larger choice of configurations to meet your specific requirements.

DESIGN FEATURES

- Meets or exceeds industry requirements
- Epoxy or primer coatings
- Fusion bonded epoxy coating offers excellent resistant to corrosion and mechanical damage
- All welded joints are 100% pressure tested

PROVEN RELIABILITY

Both designs have been approved by most major natural gas, propane, and industrial fluids companies.

Over 4 million units in use!

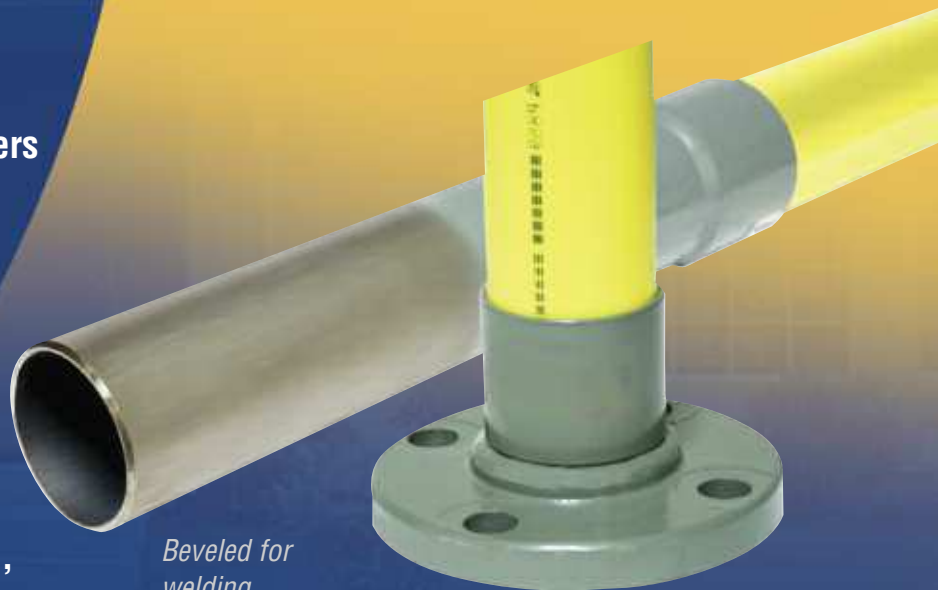
I.D. and O.D. Seal Designs



Threaded End



Victaulic Groove



Beveled for welding

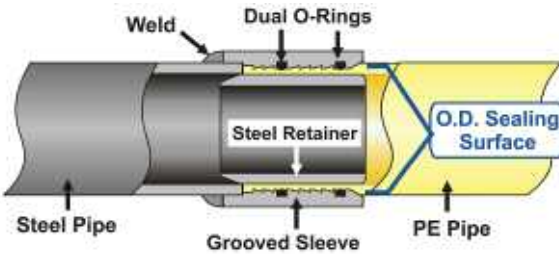


150 lb Flange

Lyall Steel to PE Pipe Transition Fittings

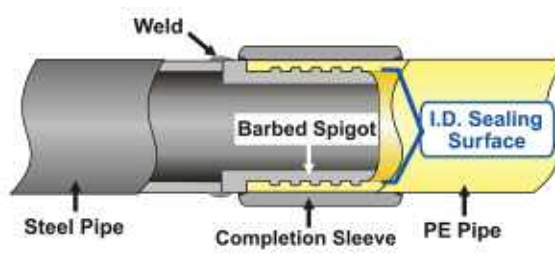
O.D. Seal Transition "Wayne Design"

Internally grooved sleeve and O-rings seal the PE pipe's outside wall. A steel retainer is pressed into place, compressing the PE into the grooved sleeve. Produces a permanent leak-proof seal and ensures a tensile strength that is far greater than the PE pipe itself. Manufactured for over 30 years.



I.D. Seal Transition "LYCO Design"

Utilizes the smooth inside wall of the PE pipe *without* the need of O-rings. This design compresses the PE between the completion sleeve and the steel barbed spigot. Produces a permanent leak-proof seal and ensures a tensile strength that is far greater than the PE pipe itself. Manufactured for over 35 years.



- Meets or exceeds the requirements of ASTM D2513 category 1, ASME B31.8, 49 CFR 192
- Listed with IAPMO/UPC
- Certified to CSA B137.4

TRANSITION FITTING STYLES and STEEL END CONNECTIONS

Threaded-end (per ASME B1.20.1)



Weld-end, Beveled



Victaulic Groove

(O.D. seal model, 2 IPS to 8 IPS sizes)



Flanged, Flat or Raised-face



Steel-end Options

- SCH 40 (standard) or SCH 80
- Fusion Bonded Epoxy, Bare Steel (Black), or Primer
- Internal Fusion Bonded Epoxy (Victaulic Groove and threaded O.D. seal models only)

PE pipe end Connections /Options

- Squared, ready for fusion
- Socket Fusion Fittings
- LYCOFIT® Mechanical Couplings (PE pipe sizes up to 2 IPS)
- Many choices of Medium and High Density PE
- Commercial/Industrial Grade PE 4710

STANDARD SIZE CONFIGURATIONS

WELD-END – Standard Configurations	
NPS 1/2 x 1/2 IPS	NPS 1 1/2 x 1 1/2 IPS
NPS 3/4 x 1/2 CTS	NPS 2 x 2 IPS
NPS 3/4 x 1/2 IPS	NPS 3 x 3 IPS
NPS 3/4 x 3/4 IPS	NPS 4 x 4 IPS
NPS 1 x 3/4 IPS	NPS 6 x 6 IPS
NPS 1 x 1 CTS	NPS 8 x 8 IPS
NPS 1 x 1 IPS	NPS 10 x 10 IPS
NPS 1 x 1 1/4 IPS	NPS 12 x 12 IPS
NPS 1 1/4 x 1 CTS	NPS 16 x 16 IPS
NPS 1 1/4 x 1 1/4 IPS	

THREADED-END –Standard Configurations	
1/2 NPT x 1/2 IPS	3 NPT x 3 IPS
3/4 NPT x 1/2 CTS	4 NPT x 4 IPS
3/4 NPT x 3/4 IPS	6 NPT x 6 IPS
1 NPT x 1 CTS	
1 NPT x 1 IPS	
1 NPT x 1 1/4 IPS	
1 1/4 NPT x 1 1/4 IPS	
1 1/2 NPT x 1 1/2 IPS	
2 NPT x 2 IPS	

Please contact your Lyall representative for availability of additional sizes and configurations.

Other Options

- Protector sleeves
- Wire clips
- Anodes

YOUR COMPLETE GAS PIPING SOURCE

- Residential Natural Gas Piping Systems
- Commercial/Industrial Piping Systems
- Propane Residential and Commercial Piping Systems
- Pool/Spa Gas Piping Systems

© 2012 R.W. Lyall & Company, Inc. Lyall, Mechanical Specialties, a division of Lyall, Lyall Flame and MS logos are registered trademarks of R.W. Lyall & Company, Inc. All other trademarks to their respective owners(s).

LIT-LTDS- rev3A

ADDITIONAL LYALL PRODUCTS

- LYCOFIT® Mechanical Tapping Tees and Couplings
- Excess Flow Valves
- Anodeless Risers
- Transition Risers
- Residential Meter Sets
- Commercial Meter Sets
- Industrial Meter Sets and Spools
- PE Valves



2665 Research Drive
Corona, CA 92882-6918
Fax 951-270-1600
email: sales@rwlyall.com
www.rwlyall.com

CUSTOMER SERVICE

Western U.S. and Canada
800-535-9255

Midwest and Eastern U.S.
262-784-8180

#130214 • ImageOne 951-371-4602