Steel to PE Transitions

Two Proven Designs - I.D. and O.D. Seal

Lyall is the only manufacturer that offers two distinct transition sealing methods allowing a larger choice of configurations to meet your requirements. Our one-piece, factory assembled transitions provide safe, economical and easy-to-install connections between gas carrying steel pipe and polyethylene (PE) pipe.

Proven Reliability - both designs have been approved by most natural gas, propane and industrial fluid companies with over <u>4 million</u> in service.

Features

- Meets or exceeds all industry requirements.
- Epoxy or primer coatings available.
- Fusion bonded epoxy coating provides superior resistance to corrosion and mechanical damage.
- All welded joints are 100% pressure tested.
- Meets of exceeds the requirements of ASTM D2513 category 1, ASME B 31.8, US CFR 49 Part 192.
- Listed with IAPMO/UPC and certified to CSA B137.4

CUSTOMER SERVICE | (800) 535-9255 | RWLyall.com



150 lb. Flange

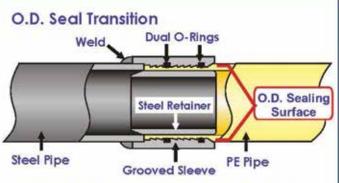
A GAS GATHERING ASTN DESIG PE AN

victaulic Groove

Threaded End

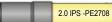
Beveled for Welding

LIT-LTDS-2C



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. This produces a permanent, leak-proof seal ensures a tensile strength that is far greater than the PE pipe itself.





Threaded-end (per ASME B1.20.1)

Steel End Options

- SCH 40 (standard) or SCH 80
- Primer or other coatings
- Internal Fusion Bonded
 Epoxy Coating (Victaulic
 Groove and Threaded O.D.
 seal models only)



PE Pipe End Connections/Options

Many choices of HDPE and

Commercial/industrial grade

Squared ready for fusion

Socket fusion fitting

(PE size up to 2 IPS)

MDPE pipe

PE3408



I.D. Seal Transition

Steel Pipe

Weld



I.D. Sealing

Surface

PE Pipe

Flanged, Flat or Raised Face

Other Options

Protector sleeves

nnnn

Barbed Spigot

Completion Sleeve

The I.D. seal 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. This produces a

permanent, leak-proof seal and ensures a tensile

strength that is far greater than the PE pipe itself.

www

- Wire clips
- Anodes
- Steel to PVC PE pipe (threaded O.D. only)

Weld-End Standard Sizes

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 1-1/4 x 1 IPS	

Threaded-End Standard Sizes

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	

Contact your Lyall sales representative or customer service for additional sizes and confgurations. Custom orders are our specialty.

Contact Info

California Office 2665 Research Dr.

Corona, CA 92882

Wisconsin Office

16875 West Ryerson Rd. New Berlin, WI 53151

Customer Service

(800) 535-9255 Marketing@RWLyall.com

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