



LYALL TRANSITION FITTINGS For Steel Pipe to PE Pipe Transitions

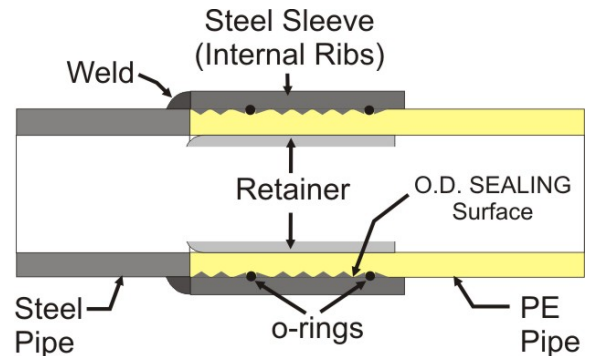
LYALL TRANSITION FITTINGS: This design (originally by Wayne Mfg.) utilizes a ribbed sleeve and double o-rings for a gas-tight seal to the outside surface (O.D.) of the PE pipe. This model was manufactured in Oklahoma for over 35 years.

Configurations for this design include:

- Weld End transition fittings.
- Threaded transition fittings.
- Victaulic grooved transition fittings.
- Steel flange-end (flat or raised faced) 2 IPS and larger.

Features and Benefits:

- Meet applicable testing requirements of Department of Transportation, Part 192.283 in the U.S. Code of Federal Regulations.
- Meets or exceeds applicable ASTM specifications.
- The external steel surface is coated with a Fusion Bonded Epoxy (FBE) coating offering excellent mechanical and electrochemical properties.
- “Intra-Kote” internal epoxy coating for protection against oil field environments and industrial applications, available in threaded and Victaulic groove styles.
- Protective sleeves are available and are designed for prevention of undue bending stress from soil loading or shifting at rigid tie-in connections.
- Positive bonded seal with double o-rings for additional protection.
- Lyall transitions are 100% tested and individually serialized.



O.D. Seal Design

PE Pipe Color/Type

PE2406 / Yellow (DriscoPlex 6500, US Poly UAC2000, or equivalent)
 PE3408 BKHP (US Poly Black 6400, or equivalent)
 DriscoPipe 8100 (PE3408)
 PE3408 / Yellow Stripe (Yellowstripe 8300, UAC Utrastripe, or equivalent)

CUSTOMER SERVICE: (800) 535-9255 • Web site: www.rwlyall.com

The products listed on this page only represent the most commonly used sizes and configurations. Please contact your local Lyall representative or a Lyall Customer Service representative for additional sizes, customized configurations and available options.

Lyall Standard Part Numbering System

TRANSITION FITTINGS – O.D. SEAL (Oklahoma Design)

1 - Transition Type Prefix

10	=	Threaded End
12	=	Beveled End
13	=	Flanged End, Internal Coated
14	=	Flanged End, External Coated
16	=	Victaulic Groove
18	=	Intrakote

2 - Steel End Design

068	=	NPS 3/8 (0.675")
084	=	NPS 1/2 (0.840")
105	=	NPS 3/4 (1.050")
132	=	NPS 1 (1.315")
166	=	NPS 1-1/4 (1.660")
190	=	NPS 1-1/2 (1.900")
238	=	NPS 2 (2.375")
288	=	NPS 2-1/2 (2.875")
350	=	NPS 3 (3.500")
450	=	NPS 4 (4.500")
600	=	NPS 5 (5.562")
663	=	NPS 6 (6.625")
863	=	NPS 8 (8.625")
075	=	NPS 10 (10.750")
275	=	NPS 12 (12.750")

3 - Plastic End Size

063	=	1/2 CTS (0.625")
068	=	3/8 IPS (0.675")
084	=	1/2 IPS (0.840")
088	=	3/4 CTS (0.875")
105	=	3/4 IPS (1.050")
113	=	1 CTS (1.125")
132	=	1 IPS (1.315")
138	=	1-1/4 CTS (1.375")
163	=	1-1/2 CTS (1.625")
166	=	1-1/4 IPS (1.660")
190	=	1-1/2 IPS (1.900")
213	=	2 CTS (2.125")
238	=	2 IPS (2.375")
263	=	2-1/2 CTS (2.625")
288	=	2-1/2 IPS (2.875")
350	=	3 IPS (3.500")
450	=	4 IPS (4.500")
600	=	5 IPS (5.562")
663	=	6 IPS (6.625")
863	=	8 IPS (8.625")
075	=	10 IPS (10.750")
275	=	12 IPS (12.750")
020	=	20 MM
034	=	34 MM
042	=	42 MM
060	=	60 MM
089	=	89 MM
080	=	0.770" (1/2 CTS Heat Shield)

4 - (9th character) PE Pipe Type

0	=	PE2406 / Yellow (DriscoPlex 6500, US Poly UAC 2000, or Equivalent)
1	=	PE3408 BKHP (US Poly Black 6400 or Equivalent)
2	=	DriscoPipe 8100 (PE3408)
6	=	PE3408 / YellowStripe (Yellowstripe 8300, UAC UltraStripe, or Equivalent)
7	=	PVC Pipe
M	=	UAC Metric Pipe

5 - (10th character) PE Dimension Ratio (DR)

1	=	7
2	=	7.3
3	=	7.7
4	=	9
5	=	9.3
7	=	10
8	=	11
9	=	11.5
0	=	12.5
6	=	13.5

6 - (11th character) Space holder

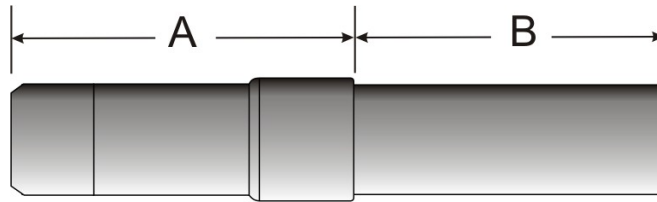
0	=	0 (Zero) in Part Number
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7 - (12th character) Option Codes

0	=	No Options
1	=	Socket Fusion Coupling (to match PE pipe)
2	=	Wire Lug Only
3	=	Wire Lug and Anode
4	=	Wire Lug and Protector Sleeve
5	=	No Coating - Primer Paint Only
6	=	Protector Sleeve Only (standard length)
A	=	Protector Sleeve (standard length) and Socket Fusion Coupling (to match PE)
8	=	Female Pipe Thread
9	=	Constab Fitting
B	=	2 Wire Lugs, 180° Apart



LYALL WELD END TRANSITION FITTINGS



Steel End Is Beveled for Welding

WELD END TRANSITION FITTINGS				
Description	PE TYPE	Steel Length "A"	PE Length "B"	PEB Product Code
1/2 x 1/2 IPS SDR 9.3	PE 2406 / PE 2708	12"	12"	120840840500 ††
1/2 x 1/2 IPS SDR 9.3	PE 3408 / PE 4710 (YS)	12"	12"	120840846500 ††
3/4 X 3/4 IPS SDR 11	PE 2406 / PE 2708	12"	12"	121051050800 ††
1 x 1 IPS SDR 11	PE 3408	12 1/8"	12"	121321321800 ††
1 x 1 IPS SDR 11	PE 3408 / PE 4710 (YS)	12 3/8"	12"	121321326800 ††
1 x 1 CTS W/T .099	PE 2406 / PE 2708	12 3/8"	12"	121321130900 ††
1-1/4 x 1-1/4 IPS SDR 11	PE 2406 / PE 2708	12 1/2"	12"	121661660800 ††
1-1/4 x 1-1/4 IPS SDR 11	PE 3408 / PE 4710 (YS)	12 1/2"	12"	121661666800 ††
1-1/2 x 1-1/2 IPS SDR 11	PE 2406 / PE 2708	12 1/2"	12"	121901900800 ††
1-1/2 x 1-1/2 IPS SDR 11	PE 3408	12 1/2"	12"	121901901800 ††
2 x 2 IPS SDR 11	PE 2406 / PE 2708	12 3/4"	12"	122382380800 ††
2 x 2 IPS SDR 11	PE 3408	12 3/4"	12"	122382381800 ††
2 x 2 IPS SDR 11	PE 3408 / PE 4710 (YS)	12 3/4"	12"	122382386800 ††
3 x 3 IPS SDR 11	PE 2406 / PE 2708	13 3/4"	12"	123503500800 ††
3 x 3 IPS SDR 11	PE 3408	13 3/4"	12"	123503501800 ††
4 x 4 IPS SDR 11	PE 2406 / PE 2708	14 3/8"	12"	124504500800 ††
4 x 4 IPS SDR 11	PE 3408	14 3/8"	12"	124504501800 ††
4 x 4 IPS SDR 11	PE 3408 / PE 4710 (YS)	14 3/8"	12"	124504506800 ††
6 x 6 IPS SDR 11	PE 2406 / PE 2708	16 1/4"	18"	126636630800 ††
6 x 6 IPS SDR 11	PE 3408	16 1/4"	18"	126636631800 ††
6 x 6 IPS SDR 11	PE 3408 / PE 4710 (YS)	16 1/4"	18"	126636636800 ††
8 x 8 IPS SDR 11	PE 2406 / PE 2708	19 1/2"	24"	128638630800 ††
8 x 8 IPS SDR 11	PE 3408	19 1/2"	24"	128638631800 ††
8 x 8 IPS SDR 11	PE 3408 / PE 4710 (YS)	19 1/2"	24"	128638636800 ††
10 X 10 SDR 11 PRIMER*	PE2406	26 1/4"	24"	120750750800
10 X 10 SDR 11 PRIMER*	PE 3408	26 1/4"	24"	120750751800
10 X 10 SDR 11 PRIMER*	PE 3408 / PE 4710 (YS)	26 1/4"	24"	120750756800
12 X 12 SDR 11 PRIMER*	PE 3408	26 1/4"	24"	122752751800

A Fusion Bonded Epoxy (FBE) coating is applied on the external surface on all sizes up to 8 IPS. *10" and 12" sizes are only offered with a primer coating to the external surface.

For sizes not listed, contact R.W. Lyall & Company or Mechanical Specialties, a division of Lyall.

Recommended accessories: Socket Fusion Couplings, Wire lugs, Protector Sleeves

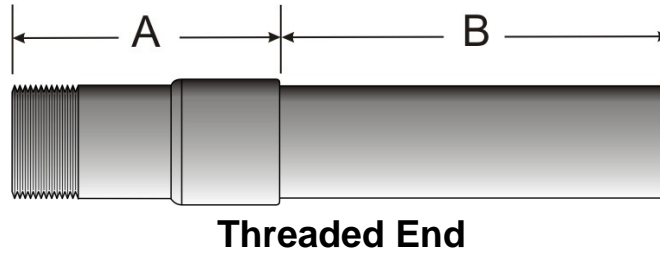
† = CSA Approved / †† = IAPMO/UPC Listed

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LYALL THREADED TRANSITION FITTINGS



THREADED TRANSITION FITTINGS				
Description	PE TYPE	Steel Length "A"	PE Length "B"	THD TRAN Product Code
1/2 NPT x 1/2 CTS W/T .090	PE 2406 / PE 2708	5"	12"	100840630100 †
1/2 NPT x 1/2 CTS W/T .090	PE 3408 / PE 4710 (YS)	5"	12"	100840636100 †
1/2 NPT x 1/2 IPS SDR 9.3	PE 2406 / PE 2708	5"	12"	100840840500 ‡
1/2 NPT x 1/2 IPS SDR 9.3	PE 3408	5"	12"	100840841500 ‡
3/4 NPT x 1/2 CTS W/T .090	PE 2406 / PE 2708	5"	12"	101050630100 ‡
3/4 NPT x 3/4 IPS SDR 11	PE 2406 / PE 2708	5"	12"	101051050800 ‡
3/4 NPT x 3/4 IPS SDR 11	PE 3408	5"	12"	101051051800 ‡
3/4 NPT x 3/4 IPS SDR 11	PE 3408 / PE 4710 (YS)	5"	12"	101051056800 ‡
1 NPT x 1 IPS SDR 11	PE 2406 / PE 2708	5"	12"	101321320800 ‡
1 NPT x 1 IPS SDR 11	PE 3408	5"	12"	101321321800 ‡
1 NPT x 1 IPS SDR 11	PE 3408 / PE 4710 (YS)	5"	12"	101321326800 ‡
1-1/4 NPT x 1-1/4 IPS SDR 11	PE 2406 / PE 2708	5½"	12"	101661660800 ‡
1-1/4 NPT x 1-1/4 IPS SDR 11	PE 3408	5½"	12"	101661661800 ‡
1-1/4 NPT x 1-1/4 IPS SDR 11	PE 3408 / PE 4710 (YS)	5½"	12"	101661666800 ‡
1-1/2 NPT x 1-1/2 IPS SDR 11	PE 2406 / PE 2708	5½"	12"	101901900800 ‡
1-1/2 NPT x 1-1/2 IPS SDR 11	PE 3408	5½"	12"	101901901800 ‡
2 NPT x 2 IPS SDR 11	PE 2406 / PE 2708	5¾"	12"	102382380800 ‡
2 NPT x 2 IPS SDR 11	PE 3408	5¾"	12"	102382381800 ‡
2 NPT x 2 IPS SDR 11	PE 3408 / PE 4710 (YS)	5¾"	12"	102382386800 ‡
3 NPT x 3 IPS SDR 11	PE 2406 / PE 2708	6⅝"	12"	103503500800 ‡
3 NPT x 3 IPS SDR 11	PE 3408	6⅝"	12"	103503501800 ‡
3 NPT X 3 IPS SDR 11	PE 3408 / PE 4710 (YS)	6⅝"	12"	103503506800 ‡
4 NPT x 4 IPS SDR 11	PE 2406 / PE 2708	7½"	12"	104504500800 ‡
4 NPT x 4 IPS SDR 11	PE 3408	7½"	12"	104504501800 ‡
4 NPT x 4 IPS SDR 11	PE 3408 / PE 4710 (YS)	7½"	12"	104504506800 ‡
6 NPT x 6 IPS SDR 11	PE 2406 / PE 2708	11¼"	18"	106636630800 ‡
6 NPT x 6 IPS SDR 11	PE 3408	11¼"	18"	106636631800 ‡

A Fusion Bonded Epoxy (FBE) coating is applied on the external surface on all sizes up to 8 IPS. *10" and 12" sizes are only offered with a primer coating to the external surface.

- For sizes not listed, contact R.W. Lyall & Company or Mechanical Specialties, a division of Lyall.
- Recommended accessories: Socket Fusion Couplings, Wire lugs, Protector Sleeves
- † = CSA Approved / ‡ = IAPMO/UPC Listed

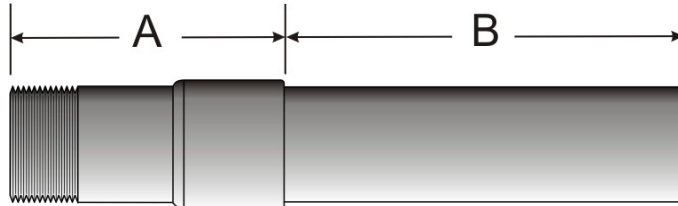
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LYALL "INTRA-KOTE" TRANSITION FITTINGS

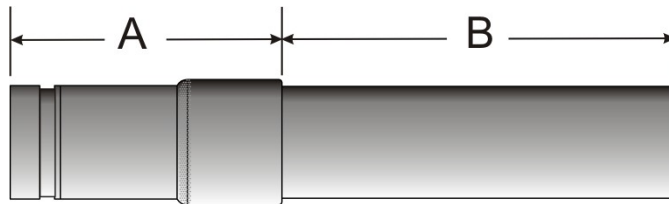
The internal steel surfaces of Lyall "Intra-Kote" Transition Fittings are coated with a Fusion Bonded Epoxy (FBE) for extra protection required for oil field and other industrial applications.



"Intra-Kote" – Threaded End

"INTRA-KOTE" – THREADED TRANSITION FITTINGS				
Description	PE TYPE	Steel Length "A"	PE Length "B"	IKT Product Code
3/4 NPT X 3/4 IPS SDR 11	PE 3408	5"	12"	181051051800 ††
1 NPT x 1 IPS SDR 11	PE 3408	5"	12"	181321321800 ††
1-1/4 NPT x 1-1/4 IPS SDR 11	PE 3408	5½"	12"	181661661800 ††
1-1/2 NPT x 1-1/2 IPS SDR 11	PE 3408	5½"	12"	181901901800 ††
2 NPT x 2 IPS SDR 11	PE 3408	5¾"	12"	182382381800 ††
3 NPT x 3 IPS SDR 11	PE 3408	6¾"	12"	183503501800 ††
4 NPT x 4 IPS SDR 11	PE 3408	7½"	12"	184504501800 ††
6 NPT x 6 IPS SDR 11	PE 3408	11¼"	18"	186636631800 ††

A Primer is applied to the external steel surface and a Fusion Bonded Epoxy (FBE) coating is applied on the internal surface for all sizes above.



"Intra-Kote" – Victaulic Groove

"INTRA-KOTE" – VICTAULIC GROOVE TRANSITION FITTINGS				
Description	PE TYPE	Steel Length "A"	PE Length "B"	VIC Product Code
2 x 2 IPS SDR 11	PE 3408	5¾"	12"	162382381800
3 x 3 IPS SDR 11	PE 3408	6¾"	12"	163503501800
4 x 4 IPS SDR 11	PE 3408	7¾"	12"	164504501800
6 x 6 IPS SDR 11	PE 3408	11¼"	18"	166636631800

A Primer is applied to the external steel surface and a Fusion Bonded Epoxy (FBE) coating is applied on the internal surface for all sizes above.

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