

Why choose Innerlynx®?

- Innerlynx® offer 21 different sizes for all pipe diameters ranging from 1/2" – 144".
- Innerlynx® are made from synthetic rubbers with industrial strength UV and ozone resistant plastic or all metal plates.
- Innerlynx® help absorb vibrations, shocks, and sound waves and act as a sound dampener.
- Innerlynx® come in 5 models; EPDM Black, Nitrile Green, Silicone Grey, EPDM Blue & Silicone Red.
- Innerlynx® form a hydrostatic seal up to 40 psig and up to 92.28 feet of head pressure.
- Innerlynx® can be easily reinstalled many times over the life of the installation.
- Innerlynx® are manufactured and assembled in the U.S.A.
- Innerlynx® electrically isolate the inner carrier pipe from the penetrated structure.
- Innerlynx® can be installed easily and quickly by one worker with no special tools.



Innerlynx® Applications

- Wall, Floor and Ceiling Penetrations
- Cased Road Crossings
- Cased Railroad Crossings
- Bridge Pipeline Crossings
- Hospital Mechanical
- Quiet Rooms
- Electronic Equipment Rooms
- Waste Water Treatment Plants
- Power Plants
- Fire Walls
- Boiler Rooms
- Power Generation Dams
- Berms & Dikes around Tank Farms
- Public Works
- Mechanical & Electrical
- Industrial & Chemical

*Ductile Iron
Copper Tubing
Steel Conduit
SDR-35
Glass Pipe
Telecommunication Cable*

*PVC & CPVC
Insulated Pipe
Plastic Conduit
Dual Containment
Electrical Wire
IPEX*

**CORE DRILLED & PRE-CAST OPENINGS
HDPE & STEEL WALL SLEEVES**



Cut-away view of Infinity® wall sleeve & Innerlynx®

- Manholes & Precast Concrete Forms
- Aquariums
- HVAC Systems
- Plumbing Commercial & Residential
- Offshore Platforms (Oil & Gas)
- Swimming Pools
- Decorative Fountains
- Septic Tanks
- Ship Bulkheads
- High Pressure Tank Guards
- Parking Garage Column Protectors
- Electrical Isolation for Corrosion Protection
- Vibration, Shock & Sound Dampening
- Pumps and Tanks

Innerlynx® Models and Properties

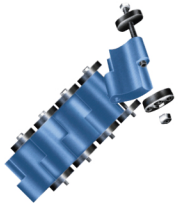


Model "C" Innerlynx® Modular Seal is suitable for most standard applications including: aboveground, direct underground burial, wet conditions and where cathodic protection is desired.

Type: Standard
Seal Element: EPDM (black)
Pressure Plates: Composite
Nuts & Bolts: Carbon Steel (Zinc plated)
Temp. range: -40 °F to +250 °F

Model "S-316" Innerlynx® Modular Seal is composed of a combination of stainless steel hardware, glass-filled epoxy resin and EPDM

Type: Standard
Seal Element: EPDM (black)
Pressure Plates: Composite
Nuts & Bolts: Stainless Steel
Temp. range: -40 °F to +250 °F



Model "L" Innerlynx® Modular Seal is composed of a low durometer EPDM rubber suitable for conduit, insulated pipe, copper pipe or thin walled pipe.

Type: Low Durometer
Seal Element: EPDM (blue)
Pressure Plates: Composite
Nuts & Bolts: Carbon Steel (Zinc plated)
Temp. range: -40 °F to +250 °F

Model "L-316" Innerlynx® Modular Seal is composed of stainless steel hardware, glass-filled epoxy resin and low durometer EPDM.

Type: Low Durometer
Seal Element: EPDM (blue)
Pressure Plates: Composite
Nuts & Bolts: Stainless Steel
Temp. range: -40 °F to +250 °F

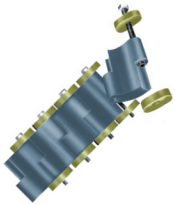


Model "O" Innerlynx® Modular Seal is composed of Nitrile rubber which is suitable for most Hydrocarbons, oils, hydraulic fluids, chemicals and solvents (gasoline, jet fuel, water, motor oil, kerosene, etc.)

Type: Oil resistant
Seal Element: Nitrile (green)
Pressure Plates: Composite
Nuts & Bolts: Carbon Steel (Zinc plated)
Temp. range: -40° to +210° F

Model "OS-316" Innerlynx® Modular Seal is composed of a combination of stainless steel hardware, glass-filled epoxy resin and nitrile.

Type: Oil/fuel resistant
Seal Element: Nitrile (green)
Pressure Plates: Composite
Nuts & Bolts: Stainless Steel
Temp. range: -40 °F to +210 °F

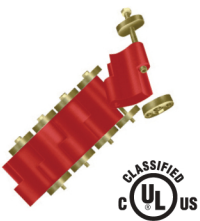


Model "T" Innerlynx® Modular Seal is composed of silicone able to endure extreme temperatures.

Type: Extreme Temperature
Seal Element: Silicone (grey)
Pressure Plates: Carbon Steel (Zinc plated)
Nuts & Bolts: Carbon Steel (Zinc plated)
Temp. range: -67 °F to +400 °F

Model "T-S316PP" Innerlynx® Modular Seal is composed of a combination of stainless steel hardware and silicone.

Type: Extreme Temperature
Seal Element: Silicone (grey)
Pressure Plates: Stainless Steel
Nuts & Bolts: Stainless Steel
Temp. range: -67 °F to +400 °F



Model "UL" Innerlynx® Modular Seal is composed of proprietary rubber where fire resistance is a must. Two seals must be in place for UL approval.

Type: UL approved (3 hr. fire rating)
Seal Element: Proprietary Silicone (red)
Pressure Plates: Carbon Steel (Zinc plated)
Nuts & Bolts: Carbon Steel (Zinc plated)
Temp. range: 3 hrs fire rating (1900 °F/3hrs)

Model "UL-S316PP" Innerlynx® Modular Seal is composed of a combination of stainless steel hardware and silicone. Two seals must be in place for UL approval.

Type: UL approved (3 hr. fire rating)
Seal Element: Proprietary Silicone (red)
Pressure Plates: Stainless Steel
Nuts & Bolts: Stainless Steel
Temp. range: 3 hrs fire rating (1900 °F/3hrs)

Innerlynx® Modular Seal - Properties

Material Properties for Innerlynx® Modular Seal Elements

Property	ASTM Method	EPDM (Black)	EPDM (Blue)	Nitrile	Silicone	Silicone UL
Hardness	D-2240	50	40	50.50	50.50	50.50
Tensile	D-412	1828 psi	1828 psi	1200 psi	860 psi	860 psi
Elongation	D-412	784%	784%	600%	600%	600%
Compression Set	D-395	25% 22 hrs. @ 158 °F	25% 22 hrs. @ 158 °F	45% 22 hrs. @ 158 °F	38% 22 hrs. @ 350 °F	38% 22 hrs. @ 600 °F
Specific Gravity	D-297	1.15	1.15	1.42	1.30	1.30

Material Properties for Bolts and Nuts

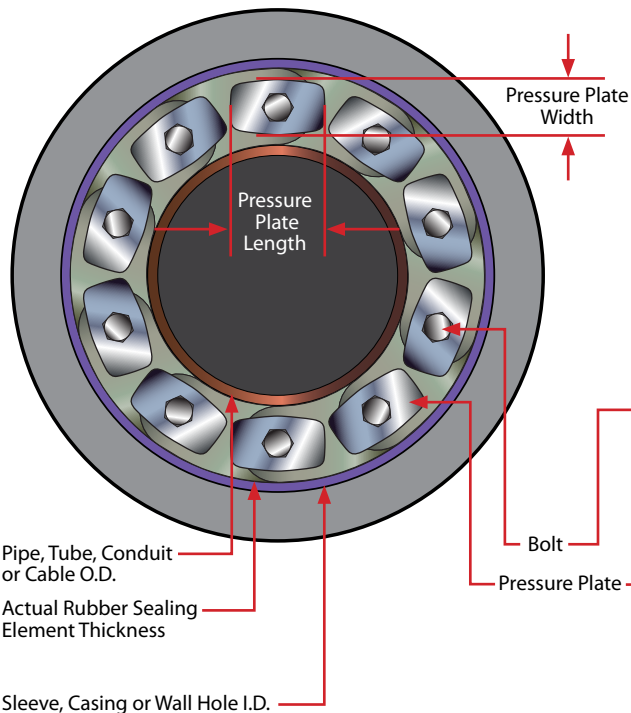
Type	Tensile Strength
Carbon Steel	60,000 psi
Stainless Steel: 316 Stainless Steel	85,000 psi

Material Properties for Composite Pressure Plates

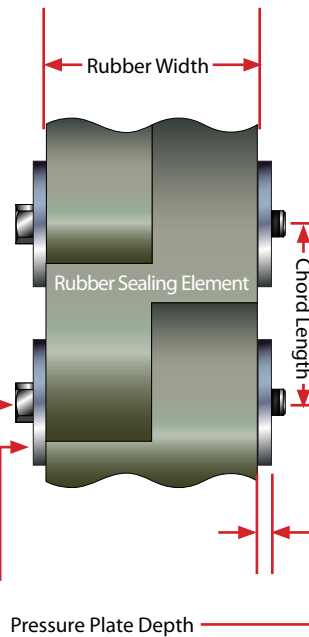
Property	ASTM Method	Value
Tensile Strength	D-638	27,000 psi
Stress at Break	D-638	28,000 psi
Elongation at Break	D-638	3%
Flexural Strength	D-790	40,000 psi
Flexural Modulus	D-790	1,300,000 psi
Izod Impact	D-256	2.0
Specific Gravity	D-792	1.39

Innerlynx® Dimensions

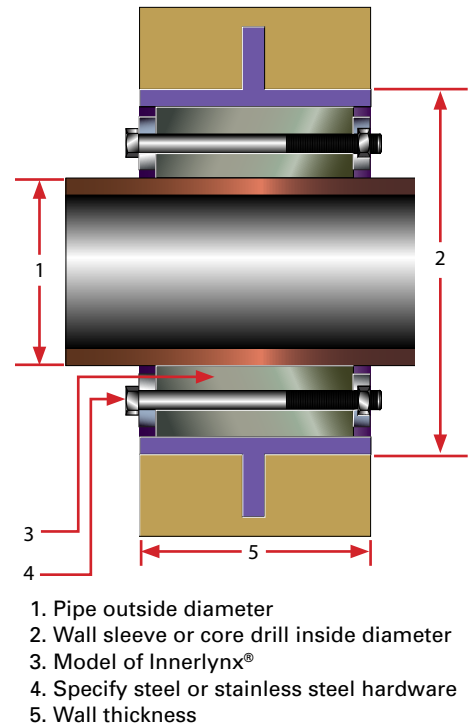
Innerlynx® Assembly
Front View



Innerlynx®
Side View



Innerlynx® Assembly
Side View/Cut Away



INNERLYNX® Model No.	RUBBER SEALING ELEMENT			PRESSURE PLATE			BOLT		Minimum Wall Thickness	Weight By Piece (lbs/approx)
	Actual Thickness	Width	Chord Length	Width	Length	Depth	Thread Size	Length		
IL200	0.50	1.80	1.15	0.45	1.14	0.32	10/32	2.50	2.500	0.05
IL265	0.59	1.77	1.58	0.55	1.49	0.37	5mm	2.75	2.875	0.10
IL275	0.63	1.80	0.89	0.63	0.90	0.36	10/32	2.50	2.500	0.05
IL300	0.70	2.57	1.50	0.68	1.52	0.43	5/16	3.50	3.625	0.20
IL310	0.65	2.40	2.22	0.63	2.00	0.50	6mm	3.50	3.750	0.22
IL315	0.83	2.49	1.47	0.79	1.46	0.48	5/16	3.50	3.625	0.25
IL325	0.93	3.04	3.15	0.81	2.87	0.94	5/16	5.00	5.125	0.60
IL340	1.02	2.75	1.52	0.96	1.50	0.70	5/16	4.50	5.125	0.35
IL360	1.25	2.80	2.08	1.12	2.10	0.76	5/16	4.50	5.125	0.50
IL400	1.41	3.56	3.63	1.33	3.51	1.06	3/8	6.00	6.250	1.20
IL410	1.41	3.38	2.62	1.42	2.52	0.87	3/8	5.50	5.625	0.80
IL425	1.13	3.54	3.60	1.03	3.45	1.18	3/8	6.00	6.250	0.69
IL440	1.74	3.36	3.94	1.52	3.54	0.96	10mm	6.00	6.125	1.00
IL475	1.61	3.16	2.68	1.48	2.60	0.78	3/8	5.50	5.625	0.90
IL500	2.39	3.90	3.90	2.17	3.72	1.04	1/2	6.00	6.250	2.30
IL525	2.20	3.80	3.95	2.00	3.72	1.03	1/2	6.00	6.250	2.15
IL575	1.81	3.78	3.16	1.79	3.01	1.00	1/2	6.00	6.250	1.55
IL600	3.20	4.08	6.06	3.07	6.12	1.90	3/4	8.00	8.250	6.25
IL625	3.28	4.02	4.09	3.08	3.93	1.18	12mm	7.00	8.250	3.25
IL650	2.67	4.07	4.16	2.17	3.72	0.87	1/2	6.00	6.250	2.50
IL700	3.74	3.98	6.02	3.58	5.85	1.12	12mm	7.00	8.250	5.25

*All dimensions are in inches