



READY Solutions & Services

**USA-Manufactured
Underground Utilities
Pipe & Fittings**

*Delivery On-time, Any Time, Just in Time
We Specialize in Small Orders*

Phone (Toll-Free) – 1-844-200-7611

Email – info@rss.services

Quotes/Orders – custserv@rss.services

Web – <https://rss.services>

This is an Interactive PDF. To go to a Page, Click on the Line or Page Number in the Table of Contents. To Return to Contents, Click Link at Bottom of each Page.

Table of Contents

Who We Are.....	4
Centennial Plastics Inc.....	7
Pipe Overview	8
Material Specifications.....	11
Standards	15
Shipping	17
How To Order Pipe	22
Natural Gas Pipe.....	23
CenGas HDPE	24
CenGas MDPE	26
Potable Water Pipe	28
CenCore HDPE.....	29
CenFlo HDPE	32
CenFuse HDPE.....	35
Geothermal Heat Exchange Pipe	38
CenFuse Earthloop.....	43
CenFuse HDPE.....	45
Irrigation Pipe.....	48
CenFlex Utility Grade HDPE.....	49
LLDPE Drip Tubing	52
ProTurf Irrigation.....	54
ProTurf Green HDPE.....	57
ProTurf Blue HDPE.....	59
ProTurf Black HDPE	61
CenFuse HDPE.....	63
Multi-Purpose HDPE Pipe	66
CenFuse HDPE.....	67

ETCO SPECIALTY PRODUCTS, INC.	70
E-LOC® COUPLING	72
E-LOC® TRANSITION COUPLING	75
INSTALLATION – E-LOC Coupling/Transition Coupling	79
E-LOC® PLUS COUPLING	81
SPLIT-LOC COUPLING.....	83
DOUBLE E-LOC® COUPLING.....	84
INSTALLATION – Double E-LOC Coupling.....	86
CLEAR DOUBLE E-LOC®	87
MPT – MSW TRANSITION COUPLER	88
T-LOC COUPLING	89
T-CONE® PLUGS.....	91
FAST-LOC PLUGS	97
PUSH PLUGS	101
MULTIPLEX DUCT-LOC PLUG	104
MULTI-CAP® PUSH-ON CAPS.....	105
QUICK SEAL TERMINATORS	106
T-CONE® & COUPLING ADAPTERS.....	107
RISER GUARD CAPS	109
HOW TO ORDER SPECIALTY PRODUCTS/PIPE FITTINGS.....	110

Ready Solutions & Services

(A Division of Reliable Sales & Services, LLC)

Phone (Toll-Free) – 1-844-200-7611

Email – info@rss.services

Quotes/Orders – custserv@rss.services

Web – <https://rss.services>



Who We Are

Ready Solutions & Services (RSS) is a division of Reliable Sales & Services, LLC.
RSS is a Nationally Certified MBE, Texas HUB, and Certified SBE
with its home base in the Dallas, Texas metropolitan area.

RSS is a distributor of high quality, affordable underground HDPE Pipe
and fittings sourced from U.S. manufacturers.

RSS understands the challenges businesses face in today's evolving
technological landscape. Our Underground Pipe product offerings deliver
proactive solutions that reduce cost, drive productivity, and optimize efficiency.

Est. 2010

PROUD MEMBERS OF THE ASSOCIATION OF THE UNITED STATES ARMY (AUSA)

NMSDC MBE Cert. No: DL04286

TX HUB: 1272512735600

[Return to Contents](#)

HIGH QUALITY UNDERGROUND UTILITY PIPE

RSS is a reliable and experienced company that can deliver high-quality underground pipe that meets your exact specifications. We look forward to the opportunity to work with you and provide you with the best possible products and services.

We look to partner with companies to ensure they have conduit at the jobsite when they need it. Our team is willing to support a project of any size and be a resource for your project manager to efficiently meet project deadlines. Think of us as an extension of your team, not just another supplier.

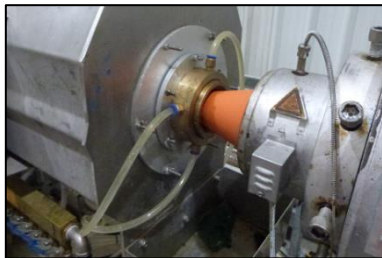


6 Reasons We Are the Best Choice for Your Projects



EXPERIENCE AND EXPERTISE

Our team has the experience and expertise to deliver high-quality products that meet exact specifications, on time and within budget.



STATE OF THE ART EQUIPMENT

Our Products are Made in the USA with the latest technology and equipment, maintained and regularly updated, to ensure the highest quality.



QUALITY ASSURANCE

A rigorous QA process including testing and inspection at every stage of manufacturing ensures our products meet industry standards and regulations.



CUSTOMIZATION

Whether you need a particular size/shape of Underground Pipe, or require specific fittings or colors, we can customize products to your specifications.



COMPETITIVE PRICING

Our manufacturing process is optimized for efficiency to deliver high-quality products at a lower cost than many of our competitors.



CUSTOMER SERVICE

We are committed to providing exceptional customer service. Our team is available to answer questions and ensure that your needs are met.

Pipe Suppliers



CENTENNIAL PLASTICS



ETCO SPECIALTY PRODUCTS

[Return to Contents](#)



Distributed By  **READY Solutions & Services**

Centennial Plastics Inc.

Every inch of pipe we extrude is important to you and the end user you must look in the eye – and we treat it that way.

We are absolutely committed to making Centennial pipe the very best polyethylene pipe on the market. Period. Our integrity rides on your satisfaction, and you'll see what real customer service means every time you deal with Centennial!



Centennial Plastics was founded in 2001 by dedicated, experienced individuals who had a passion for manufacturing polyethylene pipe. Their shared vision was to form a company which offered products of exceptional high quality and customer service second to none.

By combining their 250-plus years of experience, they succeeded in creating a company which grew to become one of the leading manufacturers of plastic pipe in the nation today.

In 2004, Centennial Plastics was named the 40th fastest growing company in the United States by Entrepreneur Magazine. Centennial Plastics is ISO 9001 certified.

[Return to Contents](#)

Pipe Overview

By using cutting-edge extrusion technologies and the finest quality polyethylene materials, Centennial Plastics has earned a positive reputation for making pipe of the highest quality for use in the following systems:

- [Natural Gas](#)
- [Potable Water](#)
- [Geothermal Heat Exchange](#)
- [Irrigation](#)
- [Multi-Purpose HDPE](#)

[Natural Gas](#)

Manufactured according to ASTM D2513 for the distribution of natural gas and propane.

CenGas HDPE 4710 Gas Pipe: Black pipe with 3 yellow stripes.



CenGas MDPE 2708 Gas Pipe: Solid yellow pipe.



[Potable Water](#)

Certified to NSF International Standard 14 and AWWA C901 and C906, CC3 Classification. Products carrying the NSF-14 identification are required to be tested as to raw material classification, sustained pressure, burst pressure, Environmental Stress Crack resistance, dimensions, and workmanship. As an independent, third-party agency, NSF certifies that Centennial Plastics' potable water pipe may be safely used in all drinking water applications.

CenCore HDPE 4710 (NSF): Manufactured with premium high-density resin. Colored blue with a pristine white inner core. Polyethylene pipe designed for all municipal potable water NSF 14 applications.





CenFlo HDPE 4710 (NSF 14): Controlled inside diameter polyethylene pipe for all potable water applications that accept a wide variety of insert fittings. CTS (Copper Tube Size) available for installations requiring CTS compression fittings.



CenFuse HDPE 4710 (NSF 14): Fusible, NSF 14 certified Iron Pipe Size polyethylene pipe. Perfect for potable water, geothermal, golf irrigation, mining and industrial, oil and gas, and stock water applications requiring controlled outside diameter pipe.



Geothermal Heat Exchange

The first pipe to be certified by the new standard NSF/ANSI 358-1. Learn more about this standard at nsf.org and about our certification on the National Driller Blog.

CenFuse Header Pipe: Geothermal Exchange Pipe certified by NSF to meet its highest standard for polyethylene pipe (NSF standard 14).



Earth Loops: CenFuse pipe securely fused to Centennial Bullet™ U-Bend fittings.



Irrigation

Turf irrigation products for use in many different climates, soil conditions, and geographic regions. Where applicable, we manufacture to NSF International Standard 14.

CenFlex: For irrigation and water applications requiring a reliable utility grade polyethylene pipe. Controlled inside diameter simple connections with a variety of insert fittings.



LLDPE Drip Tubing: Extremely flexible polyethylene tubing designed for all micro irrigation applications requiring the use of emitters.





ProTurf Green® HDPE 3608 and MDPE 2708:

NSF 14 certified polyethylene pipe which is marketed to professional turf irrigation contractors.

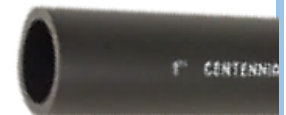


ProTurf Blue™ HDPE 3608 (NSF 14):

NSF 14 certified polyethylene pipe which is marketed to professional turf irrigation contractors.



ProTurf Black® 3608 (NSF 14): Controlled inside diameter polyethylene pipe for all irrigation applications that require barbed insert fittings. CTS (Copper Tube Size) available for installations requiring CTS compression fittings.



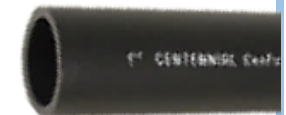
CenFuse HDPE 4710 (NSF 14): Fusible, NSF 14 certified Iron Pipe Size polyethylene pipe.



Multi-Purpose HDPE

High Density Polyethylene, commonly referred to as HDPE, is currently offered in 4710 material.

CenFuse HDPE 4710 (NSF 14): Fusible, NSF 14 certified Iron Pipe Size polyethylene pipe. Perfect for applications requiring controlled outside diameter pipe:



- Potable Water**
- Geothermal**
- Golf Irrigation**
- Mining And Industrial**
- Oil And Gas**
- Stock Water**

Material Specifications

4710 High Density Polyethylene (HDPE) – Gas and Water			
NOMINAL PIPE PROPERTIES			
	ASTM METHOD	ENGLISH UNITS	SI UNITS
DENSITY (BLACK)	D 4883	---	.959 g/cc
MELT INDEX ¹	D 1238	---	8.5 g/10 min
HYDROSTATIC DESIGN BASIS @ (23° C)	D 2837	1,600 psi	11.0 MPa
HYDROSTATIC DESIGN BASIS @ (60° C)	D 2837	1,000 psi	6.9 MPa
CARBON BLACK CONCENTRATION	D 1603	2.30%	2.30%
NOMINAL RAW MATERIAL PROPERTIES			
TENSILE STRENGTH			
@ YIELD (2 in/min)	D 638	3,625 psi	25.0 MPa
@ BREAK (2 in/min)	D 638	5,500 psi	38.0 MPa
ELONGATION			
@ BREAK (2 in/min)	D 638	>600%	>600%
FLEXURAL MODULUS ²	D 790	150,000 psi	1,035 MPa
NOTCHED IZOD IMPACT STRENGTH	D 256	9.0 ft-lbf/in	0.49 kJ/m
HARDNESS (SHORE D)	D 2240	66	66
VICAT SOFTENING POINT	D 1525	259° F	126° C
BRITTLENESS TEMPERATURE	D 746	<-180° F	<-118° C
ENVIRONMENTAL STRESS CRACK RESISTANCE ³	D 1693	>5,000 hrs.	>5,000 hrs.
NOTCH TENSILE (PENT)	F 1473	>10,000 hrs.	>10,000 hrs.
CELL CLASSIFICATION	D 3350	445576C	445576C
¹ 190° C21600 g ² 2% Secant-Method 1 ³ Condition C			



3608 High Density Polyethylene (HDPE) - Water			
NOMINAL PIPE PROPERTIES			
	ASTM METHOD	ENGLISH UNITS	SI UNITS
DENSITY (BLACK)	D 4883	---	.955 g/cc
MELT INDEX ¹	D 1238	---	12.5 g/10 min
HYDROSTATIC DESIGN BASIS @ (23° C)	D 2837	1,600 psi	11.0 MPa
HYDROSTATIC DESIGN BASIS @ (60° C)	D 2837	800 psi	5.5 MPa
CARBON BLACK CONCENTRATION	D 1603	2.30%	2.30%
NOMINAL RAW MATERIAL PROPERTIES			
TENSILE STRENGTH			
@ YIELD (2 in/min)	D 638	3,300 psi	22.8 MPa
@ BREAK (2 in/min)	D 638	4,500 psi	31.0 MPa
ELONGATION			
@ BREAK (2 in/min)	D 638	>600%	>600%
FLEXURAL MODULUS ²	D 790	120,000 psi	827 MPa
NOTCHED IZOD IMPACT STRENGTH	D 256	6.0 ft-lbf/in	0.32 kJ/m
HARDNESS (SHORE D)	D 2240	68	68
VICAT SOFTENING POINT	D 1525	259° F	126° C
BRITTLINESS TEMPERATURE	D 746	<-180° F	<-118° C
ENVIRONMENTAL STRESS CRACK RESISTANCE ³	D 1693	>5,000 hrs.	>5,000 hrs.
NOTCH TENSILE (PENT)	F 1473	>100 hrs.	>100 hrs.
CELL CLASSIFICATION	D 3350	345464C	345464C
¹ 190°C 21600 g ² 2% Secant-Method 1 ³ Condition C			



2708 Medium Density Polyethylene (MDPE) - Gas			
NOMINAL PIPE PROPERTIES			
	ASTM METHOD	ENGLISH UNITS	SI UNITS
DENSITY (YELLOW)	D 4883	---	.939 g/cc
MELT INDEX ¹	D 1238	---	0.20 g/10 min
HYDROSTATIC DESIGN BASIS @ (23° C)	D 2837	1,250 psi	8.6 MPa
HYDROSTATIC DESIGN BASIS @ (60° C)	D 2837	1000 psi	6.9 MPa
NOMINAL RAW MATERIAL PROPERTIES			
TENSILE STRENGTH			
@ YIELD (2 in/min)	D 638	2,800 psi	19.3 MPa
@ BREAK (2 in/min)	D 638	4,730 psi	32.5 MPa
ELONGATION			
@ BREAK (2 in/min)	D 638	>800%	>800%
FLEXURAL MODULUS ²	D 790	90,000 psi	620 MPa
NOTCHED IZOD IMPACT STRENGTH	D 256	6/.0 ft-lbf/in	31.5 kJ/m
HARDNESS (SHORE D)	D 2240	62	62
VICAT SOFTENING POINT	D 1525	248° F	120° C
BRITTLENESS TEMPERATURE	D 746	<-180° F	<-118° C
ENVIRONMENTAL STRESS CRACK RESISTANCE ³	D 1693	>5,000 hrs.	>5000 hrs.
ENVIRONMENTAL STRESS CRACK RESISTANCE ⁴	D 1693	>5,000 hrs.	>5000 hrs.
NOTCH TENSILE (PENT)	F 1473	>100 hrs.	>100 hrs.
PIPE RING ESCR ^{f1248}	F 1248	>500 hrs.	>500 hrs.
CELL CLASSIFICATION	D 3350	234373E	234373E
¹ 190°C 21600 g	⁴ Condition C		
² 2% Secant-Method 1	⁵ One inch, SIDR 7		
³ Condition B, 10°C			



Linear Low-Density Polyethylene (LLDPE) - Irrigation			
NOMINAL PIPE PROPERTIES			
	ASTM METHOD	ENGLISH UNITS	SI UNITS
DENSITY (I ₂) @ 190 ⁰ C/2.16kg, g/10/mi	D 792	.920 g/cm ³	.920 g/cm ³
MELT INDEX ¹	D 1238	.600 g/10 min	.600 g/10 min
FLOW R (I ₂) @ 190 ⁰ C/2.16kg, g/10/mi	D 1238	44 g/10 min	44 g/10 min
CARBON BLACK CONCENTRATION	D 1603	2.30%	2.30%
NOMINAL RAW MATERIAL PROPERTIES			
TENSILE STRENGTH			
@ YIELD PSI (MPa)	D 638	1,600 psi	11.0 MPa
@ BREAK PSI (MPa)	D 638	2,250 psi	15.5 MPa
ELONGATION			
@ BREAK %	D 638	>800%	>800%
FLEXURAL MODULUS ¹	D 790	45,000 psi	310 MPa
HARDNESS (SHORE D)	D 2240	44	44
BRITTLENESS TEMPERATURE	D 746	<-148° F	<-100° C
ENVIRONMENTAL STRESS CRACK RESISTANCE ³	D 1693	>500 hrs.	>500 hrs.
CELL CLASSIFICATION	D 3350	PE 123110A	PE 123110A
¹ method 1, procedure B	Typical quick burst tests reflect the following:		
² procedure A	1/2"	250 PSI @ 65-70 seconds	
³ Condition	3/4"	218 PSI @ 65-70 seconds	
	1"	200 PSI @ 65-70 seconds	

Standards - ASTM

ASTM D3350 – Standard Specification for Polyethylene Plastics Pipe and Fittings Materials

ASTM D3350 is a standard specification for polyethylene plastic pipe and fitting materials. It is used to identify the properties of polyethylene plastics and is widely used in the plastic pipe industry.

ASTM D3035 – Standard Specification for PE Plastic Pipe (DR-PR) Based on Controlled Outside Diameter

ASTM D3035 is a standard specification established by the American Society for Testing and Materials (ASTM) that sets the minimum requirements and test methods for PE pipes used in water supply, industrial, and general-purpose applications.

ASTM D2447 – Standard Specification for PE Plastic Pipe, Schedules 40 & 80, Based on Outside Diameter

This specification covers polyethylene (PE) pipe that is outside diameter controlled, made in Schedule 40 and 80 sizes for use with socket-type fittings and butt fittings.

ASTM D2239 – Standard Specification for PE Plastic Pipe (SIDR-PR) Based on Controlled Inside Diameter

This specification covers polyethylene (PE) pipe made in standard thermoplastic pipe dimension ratios and pressure rated for water.

ASTM D2513 – Standard Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing, and Fittings

This specification covers the requirements and test methods for material, dimensions, hydrostatic burst strength, tensile strength, chemical resistance, sustained pressure, heat fusion, and impact resistance of plastic pipes, tubing, and fittings used for direct burial and reliner applications in fuel gas mains and services for the distribution of natural gas.



Standards – NSF / ANSI / AWWA / IGSHPA

NSF / ANSI 14 - Plastics Piping System Components and Related Materials

The physical, performance, and health effects requirements in this standard apply to thermoplastic and thermoset plastic piping system components including, but not limited to, pipes, fittings, valves, joining materials, gaskets, and appurtenances.

NSF / ANSI 61 – Drinking Water System Components – Health Effects

An American National Standard that establishes minimum health-effects requirements for the chemical contaminants and impurities that are indirectly imparted to drinking water from products, components and materials used in drinking water systems.

NSF 358-1 – Pipe and Fittings for Geothermal Systems

NSF/ANSI 358-1: Polyethylene Pipe and Fittings for Water-Based Ground-Source “Geothermal” Heat Pump Systems determines the minimum physical and performance requirements for plastic system components. NSF/ANSI 358-1 establishes product testing, long-term strength and quality control requirements that are key to ensuring product performance in the field.

AWWA C901 – Polyethylene (PE) Pressure Pipe and Tubing, 3/4 In. through 3 In., for Water Service

Included in this standard are criteria for classifying PE plastic pipe materials, a system of nomenclature for PE plastic pipe, and requirements and test methods for materials, pipe, and tubing. Methods of marking are also given.

AWWA C906 – Polyethylene (PE) Pressure Pipe and Fittings, 4 In. through 65 In., for Waterworks

The purpose of this standard is to provide purchasers, manufacturers, and suppliers with the minimum requirements for PE pressure pipe and fittings, 4 in. through 65 in. (100 mm through 1,650 mm), for potable water, wastewater, and reclaimed water distribution and transmission.

IGSHPA Section 1-C - International Ground Source Heat Pump Association

IGSHPA has led the way in providing a complete set of standards for Ground Source Heat Pump / Geothermal Systems. The IGSHPA standards committee produced a Standard Specification document for ground source heat pump systems for IGSHPA members.



Shipping

COIL DIMENSIONS AND PACKAGING

CenFuse HDPE and Earth Loops

* Shrink Wrapped and palletized.

Product Size	Coil ID	Coil OD	Coil Width	Pallet Size	Coils /Pallet	Packaging	Pallets /Truck
3/4" x 100"					Loose	Individual	---
3/4" x 200"	24"	34"	6"	42"	13	* SW/Pallet	28
3/4" x 300"	24"	34"	8"	36"	10	* SW/Pallet	28
3/4" x 400"	24"	---	---	36"	10	* SW/Pallet	28
3/4" x 500"	24"	37"	11"	42"	8	* SW/Pallet	28
3/4" x 600"	24"	38"	12"	42"	8	* SW/Pallet	28
3/4" x 700"	24"	40"	11"	42"	8	* SW/Pallet	28
3/4" x 800"	24"	42"	12"	42"	8	* SW/Pallet	28
3/4" x 1000"	24"	42"	14"	42"	6	* SW/Pallet	28
3/4" x 310" Earth Loop	30"	42"	9"	42"	10	* SW/Pallet	28
3/4" x 330" Earth Loop	30"	41"	10"	42"	11	* SW/Pallet	28
3/4" x 350" Earth Loop	30"	41"	10"	42"	12	* SW/Pallet	28
3/4" x 410" Earth Loop	30"	39"	10"	42"	10	* SW/Pallet	28
3/4" x 510" Earth Loop	30"	39"	10"	42"	8	* SW/Pallet	28
3/4" x 610" Earth Loop	30"	43"	11"	42"	8	* SW/Pallet	28
1" x 300"	24"	38"	10"	42"	10	* SW/Pallet	28
1" x 500"	24"	40"	13"	42"	6	* SW/Pallet	26
1" x 410" Earth Loop	30"	40"	14"	48"	8	* SW/Pallet	26
1" x 510" Earth Loop	30"	42"	14"	48"	8	* SW/Pallet	26
1" x 610" Earth Loop	30"	43"	14"	48"	8	* SW/Pallet	26
1" x 710" Earth Loop	30"	---	---	53"	8	* SW/Pallet	24
1" x 810" Earth Loop	30"	---	---	48"	6	* SW/Pallet	26

[Return to Contents](#)



1-1/4" x 100"	50"	57"	5"	62"	Loose	Individual	8
1-1/4" x 200"	50"	62"	7"	72"	12	* SW/Pallet	8
1-1/4" x 300"	50"	65"	8"	72"	12	* SW/Pallet	8
1-1/4" x 500"	50"	76"	7"	72"	12	* SW/Pallet	7
1-1/4" x 610" Earth Loop	42"	61"	17"	66"	7	* SW/Pallet	9
1-1/4" x 810" Earth Loop	42"	65"	17"	66"	7	* SW/Pallet	9
1-1/4" x 1010" Earth Loop	42"	67"	17"	72"	6	* SW/Pallet	---
1-1/2" x 100"	50"	58"	7"	72"	9	* SW/Pallet	8
1-1/2" x 200"	50"	63"	10"	72"	9	* SW/Pallet	8
1-1/2" x 300"	50"	65"	11"	72"	9	* SW/Pallet	8
1-1/2" x 500"	50"	69"	12"	72"	9	* SW/Pallet	8
2" x 100"	50"	59"	10"	62"	10	Loose	8
2" x 200"	50"	63"	13"	62"	7	* SW/Pallet	8
2" x 300"	50"	65"	14"	72"	7	* SW/Pallet	7
2" x 500"	50"	69"	17"	72"	6	* SW/Pallet	7

Non-stock Earth Loop Information

Product Size	Coil ID	Coil OD	Coil Width	Pallet Size	Coils /Pallet	Packaging	Pallets /Truck
3/4" x 260' Earth Loop	30"	---	---	42"	12	*SW/Pallet	28
3/4" x 270' Earth Loop	30"	---	---	42"	12	*SW/Pallet	28
3/4" x 460" Earth Loop	30"	---	---	42"	9	*SW/Pallet	28
1" x 690' Earth Loop	30"	---	---	42"	7	*SW/Pallet	28
1-1/4" x 410' Earth Loop	42"	---	---	66"	6	*SW/Pallet	8
1-1/4" x 510' Earth Loop	42"	---	---	66"	6	*SW/Pallet	8
1-1/4" x 610' Earth Loop	42"	---	---	66"	7	*SW/Pallet	8
1-1/4" x 710' Earth Loop	42"	---	---	66"	7	*SW/Pallet	8



Reverse Loop Information

Product Size	Coil ID	Coil OD	Coil Width	Pallet Size	Coils /Pallet	Packaging	Pallets /Truck
3/4" x 410' Reverse Loop	30"	---	---	42"	10	*SW/Pallet	---
3/4" x 460' Reverse Loop	30"	---	---	42"	9	*SW/Pallet	---
3/4" x 510' Reverse Loop	30"	---	---	42"	8	*SW/Pallet	---
1" x 610' Reverse Loop	30"	---	---	48"	8	*SW/Pallet	---
1" x 810' Reverse Loop	30"	---	---	48"	6	*SW/Pallet	---

20 Foot Stick Pipe Pallet Quantities						
Diameter	Pieces /Pallet	Width	Height	Footage /Pallet	Pallets /Truck	Total Footage /Truck
3/4"	270	9 Bundles Wide	2 Bundles High	5400'	28	151,200'
1"	240	12 Bundles Wide	4 Bundles High	4800'	28	134,400'
1-1/4"	150	10 Bundles Wide	3 Bundles High	3000'	28	84,000'
1-1/2"	135	9 Bundles Wide	3 Bundles High	2700'	28	75,600'
2"	105	7 Bundles Wide	3 Bundles High	2100'	28	58,800'
3"	46	46 Pieces	4 Bundles High	920'	28	25,760'
4"	29	29 Pieces	3 Rows High	580'	28	16,240'
6"	20	20 Pieces	2 Rows High	400'	20	8,000'
8"	14	9 Pieces	---	280'	16	4,480'
40 Foot Stick Pipe Pallet Quantities						
Diameter	Pieces /Pallet	Width	Height	Footage /Pallet	Pallets /Truck	Total Footage /Truck
3/4"	270	9 Bundles Wide	2 Bundles High	10800'	14	151,200'
1"	240	12 Bundles Wide	4 Bundles High	9600'	14	134,400'
1-1/4"	150	10 Bundles Wide	3 Bundles High	6000'	14	84,000'
1-1/2"	135	9 Bundles Wide	3 Bundles High	5400'	14	75,600'
2"	105	7 Bundles Wide	3 Bundles High	4200'	14	58,800'
3"	46	46 Pieces	4 Bundles High	1840'	14	25,760'
4"	29	29 Pieces	3 Rows High	1160'	14	16,240'
6"	20	20 Pieces	2 Rows High	800'	10	8,000'
8"	14	9 Pieces	---	560'	8	4,480'



Truck Loading for SIDR Polyethylene Water Pipe

IPS & SIDR WATER PIPE

Pipe Size	Coil Length	Pallet Size	# of Coils /Pallet	Feet /Pallet	Pallets /Truck	Feet Wrapped /53' Van	# of Coils (Loose) /53' Van	Feet /Truck
1/2"	100	A	15	1,500	60	90,000	2,000	200,000
1/2"	300	A	14	4,200	60	252,000	900	270,000
1/2"	400	A	12	4,800	60	288,000	900	360,000
1/2"	500	A	14	7,000	50	350,000	900	450,000
1/2"	1000	B	10	10,000	34	340,000	550	550,000
3/4"	100	A	15	1,500	60	90,000	1,400	140,000
3/4"	300	A	13	3,900	50	195,000	650	195,000
3/4"	400	A	10	4,000	50	200,000	600	240,000
3/4"	500	B	9	4,500	34	153,000	550	275,000
1"	100	A	12	1,200	60	72,000	1,000	100,000
1"	300	A	10	3,000	50	150,000	600	180,000
1"	500	B	8	4,000	34	136,000	423	211,500
1"	1000	C	8	8,000	28	224,000	328	328,000
1-1/4"	100	C	12	1,200	28	33,600	392	39,200
1-1/4"	300	D	9	2,700	26	70,200	260	78,000
1-1/4"	500	D	7	3,500	26	91,000	208	104,000
1-1/4"	1000	D	6	6,000	24	144,000	168	168,000
1-1/2"	100	C	12	1,200	28	33,600	364	36,400
1-1/2"	250	D	9	2,250	26	58,500	260	65,000
1-1/2"	300	D	8	2,400	24	57,600	19	57,600
1-1/2"	500	D	7	3,500	24	84,000	168	84,000
2"	100	E	11	1,100	8	8,800	120	12,000
2"	200	E	7	1,800	8	14,400	96	19,200
2"	300	E	7	2,100	8	16,800	80	24,000
2"	500	E	6	3,000	8	24,000	-	-

** Additional quantities can be put on the truck if it is not shipped on pallets.



Truck Loading for CTS Polyethylene Water Pipe

CTS WATER PIPE

Pipe Size	Coil Length	Pallet Size	# of Coils /Pallet	Feet /Pallet	Pallets /Truck	Feet Wrapped /53' Van	# of Coils (Loose) /53' Van	Feet /Truck
1/2"	100	A	15	1,500	60	90,000	2,000	200,000
1/2"	500	A	14	7,000	50	350,000	900	450,000
3/4"	100	A	15	1,500	60	90,000	1,400	140,000
3/4"	300	A	13	3,900	50	195,000	650	195,000
3/4"	400	A	10	4,000	50	200,000	600	240,000
3/4"	500	B	9	4,500	34	153,000	550	275,000
1"	100	A	12	1,200	60	72,000	1,000	100,000
1"	300	A	10	3,000	50	150,000	600	180,000
1-1/4"	100	C	12	1,200	28	33,600	392	39,200
1-1/4"	300	D	9	2,700	26	70,200	260	78,000
1-1/2"	100	C	12	1,200	28	33,600	364	36,400
1-1/2"	250	D	9	2,250	26	58,500	260	65,000
1-1/2"	300	D	8	2,400	24	57,600	192	57,600
1-1/2"	500	D	7	3,500	24	84,000	168	84,000
2"	100	E	11	1,100	8	8,800	120	12,000
2"	200	E	7	1,400	8	11,200	96	19,200
2"	300	E	7	2,100	8	16,800	80	24,000
2"	500	E	6	3,000	8	24,000	-	-

** Additional quantities can be put on the truck if it is not shipped on pallets.

PALLET INFORMATION

Pallet Size	Width (Inches)	Length (Inches)	No. of Pallets per Truck Load
A	30"	30"	50 or 60
B	36"	36"	34
C	42"	42"	28
D	48"	48"	24 or 26
E	72"	72"	8



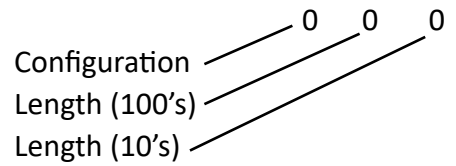
How To Order Pipe

Select RSS Product Order Number

RSS Pipe Product Numbers have the following format:

RSS - Product Number - 000

Determine the last 3 digits "000" to complete Order Number:



Options

<u>Configurations</u>	<u>1st Digit</u>
Coil	C
Stick	S
Reel*	R

*Note: For Reel, set last two digits at 0 and specify reel length/size on order form.

<u>Length (100's)</u>	<u>2nd Digit</u>
100 Feet	1
200 Feet	2
300 Feet	3
400 Feet	4
500 Feet	5
600 Feet	6
700 Feet	7
800 Feet	8
900 Feet	9

<u>Length (10's)</u>	<u>3rd Digit</u>
10 Feet (used for Earthloops)	1
20 Feet	2
40 Feet (used for Stick Pipe)	4
50 Feet (used for various coils)	5

Select RSS Product Shipping Configuration(s) – Coil, Stick, Pallet, Reel Size/Length

Fill out RSS Quote Request Form and email to: info@rss.services

(or)

Fill out RSS Product Order Form and email to: custserv@rss.services

Natural Gas Pipe





Distributed By  **READY Solutions & Services**

CenGas HDPE

HDPE 4710—ASTM D2513

- *Flexible polyethylene gas distribution pipe*
- *Produced from only the finest virgin material*
- *Black with 3 yellow stripes*
- *All diameters are OD controlled and compatible with heat fusion*



CENGAS 4710 HDPE meets or exceeds:

ASTM D 2513, ASTM D 3350, Cell Classification PE 445576C

CENGAS 4710 HDPE Pipe For:

Natural Gas, LPG Gas and Propane Gas Distribution

CenGas MDPE

MDPE 2708 — ASTM D2513

- *Flexible polyethylene pipe*
- *Produced from only the finest virgin material*
- *Identified as Gas Pipe with its yellow exterior*
- *All diameters are OD controlled and compatible with heat fusion*



CENGAS 2708 MDPE Meets or Exceeds:

ASTM D 2513, ASTM D 3350, CELL CLASSIFICATION PE 234373E

CENGAS 2708 MDPE Pipe For:

Natural Gas, LPG Gas and Propane Gas Distribution

Potable Water Pipe



When you are choosing pipe to carry water for human consumption, you want to know that pipe meets or exceeds every standard.

Centennial Plastics produces potable water pipe that meets the highest standards available through NSF International. Our commitment to satisfaction, our stringent manufacturing techniques, and our complete attention to quality make Centennial Plastics the preferred choice for potable water applications.

Centennial Plastics potable water pipe is certified to NSF International Standard 14 and AWWA C901 and C906, CC3 Classification. Products carrying the NSF-14 identification are required to be tested as to raw material classification, sustained pressure, burst pressure, Environmental Stress Crack resistance, dimensions, and workmanship. As an independent, third-party agency, NSF certifies that Centennial Plastics' potable water pipe may be safely used in all drinking water applications.

Centennial Plastics is in compliance with California Proposition 65 (also known as the Safe Drinking Water Act of 1986).



Distributed By  **READY Solutions & Services**

CenCore HDPE

HDPE 4710 — ASTM D2239 and ASTM D2737

- Flexible polyethylene pipe and tubing
- Produced from only the finest virgin material
- Backed by a **50-YEAR WARRANTY**
- **Virgin Blue Core with Virgin Blue Exterior**
- Chlorine resistance: CC3 per ASTM F2263



CENCORE 4710 HDPE Meets or Exceeds:

ASTM D 2737, ASTM D 2239, ASTM D 3350, CELL CLASSIFICATION PE 445576C.

CENCORE 4710 Pipe For:

Potable Water Applications.

CENCORE 4710 is certified by NSF.

CENCORE meets AWWA C901 Requirements.

CENCORE 4710 is certified by NSF Standards 14 and 61.

[Return to Contents](#)



Packaging - Standard Stock* (X) and Available

CENCORE HDPE 4710	Stick 20'	Stick 40'	Coil 100'	Coil 150'	Coil 200'	Coil 250'	Coil 300'	Coil 400'	Coil 500'	Coil 600'	Coil 700'	Coil 800'	Coil 1000'
0.75" CENCORE 4710 (D2239) PIPE, 160 PSI, SIDR 11.5								X					
1.00" CENCORE 4710 (D2239) PIPE, 160 PSI, SIDR 11.5			X				X						
1.25" CENCORE 4710 (D2239) PIPE, 160 PSI, SIDR 11.5							X						
1.50" CENCORE 4710 (D2239) PIPE, 160 PSI, SIDR 11.5						X							
2.00" CENCORE 4710 (D2239) PIPE, 160 PSI, SIDR 11.5					X								
0.75" CENCORE 4710 (D2239) PIPE, 200 PSI, SIDR 9			X				X						
1.00" CENCORE 4710 (D2239) PIPE, 200 PSI, SIDR 9			X				X		X				
1.25" CENCORE 4710 (D2239) PIPE, 200 PSI, SIDR 9			X				X		X				
1.50" CENCORE 4710 (D2239) PIPE, 200 PSI, SIDR 9						X							
2.00" CENCORE 4710 (D2239) PIPE, 200 PSI, SIDR 9			X		X				X				
0.75" CENCORE 4710 (D2239) PIPE, 250 PSI, SIDR 7			X				X	X					
1.00" CENCORE 4710 (D2239) PIPE, 250 PSI, SIDR 7			X				X						
1.25" CENCORE 4710 (D2239) PIPE, 250 PSI, SIDR 7			X				X						
1.50" CENCORE 4710 (D2239) PIPE, 250 PSI, SIDR 7			X			X	X						
2.00" CENCORE 4710 (D2239) PIPE, 250 PSI, SIDR 7			X		X		X						
0.75" CENCORE 4710 (D2237) PIPE, 250 PSI, SDR 9 CTS			X				X	X	X				
1.00" CENCORE 4710 (D2237) PIPE, 250 PSI, SDR 9 CTS			X				X		X				
1.25" CENCORE 4710 (D2237) PIPE, 250 PSI, SDR 9 CTS			X				X		X				
1.50" CENCORE 4710 (D2237) PIPE, 250 PSI, SDR 9 CTS			X			X	X		X				
2.00" CENCORE 4710 (D2237) PIPE, 250 PSI, SDR 9 CTS			X		X		X		X				

* Standard Stock Quantities subject to change by the manufacturer



Distributed By  **READY Solutions & Services**

CenFlo HDPE

HDPE 4710— ASTM D2239 and ASTM D2737

- *Flexible polyethylene pipe and tubing*
- *Produced from only the finest virgin material*
- *Backed by a 30-YEAR WARRANTY*
- *Virgin Black material*
- *Chlorine resistance: CC3 per ASTM F2263*



CENFLO 4710 HDPE Meets or Exceeds:

ASTM D 2737, ASTM D 2239, ASTM D 3350, Cell Classification PE 445576C.

CENFLO 4710 HDPE Pipe For:

Potable Water Applications.

CENFLO 4710 HDPE is Certified by NSF.

CENFLO 4710 HDPE Meets AWWA C901 Requirements.

CENFLO 4710 HDPE is Certified by NSF Standards 14 and 61.

[Return to Contents](#)



Packaging - Standard Stock* (X) and Available

CENFLO HDPE 4710	Stick 20'	Stick 40'	Coil 100'	Coil 150'	Coil 200'	Coil 250'	Coil 300'	Coil 400'	Coil 500'	Coil 600'	Coil 700'	Coil 800'	Coil 1000'
0.50" CENFLO 4710 (D2239) PIPE, 160 PSI, SIDR 11.5								X					
0.75" CENFLO 4710 (D2239) PIPE, 160 PSI, SIDR 11.5			X				X	X					
1.00" CENFLO 4710 (D2239) PIPE, 160 PSI, SIDR 11.5			X				X						
1.25" CENFLO 4710 (D2239) PIPE, 160 PSI, SIDR 11.5			X				X						
1.50" CENFLO 4710 (D2239) PIPE, 160 PSI, SIDR 11.5			X				X						
2.00" CENFLO 4710 (D2239) PIPE, 160 PSI, SIDR 11.5			X				X						
0.75" CENFLO 4710 (D2239) PIPE, 200 PSI, SIDR 9			X				X	X					
1.00" CENFLO 4710 (D2239) PIPE, 200 PSI, SIDR 9			X				X		X				
1.25" CENFLO 4710 (D2239) PIPE, 200 PSI, SIDR 9			X				X		X				
1.50" CENFLO 4710 (D2239) PIPE, 200 PSI, SIDR 9			X			X	X		X				
2.00" CENFLO 4710 (D2239) PIPE, 200 PSI, SIDR 9			X		X		X		X				
0.75" CENFLO 4710 (D2239) PIPE, 250 PSI, SIDR 7			X				X	X					
1.00" CENFLO 4710 (D2239) PIPE, 250 PSI, SIDR 7			X				X		X				
1.25" CENFLO 4710 (D2239) PIPE, 250 PSI, SIDR 7			X				X						
1.50" CENFLO 4710 (D2239) PIPE, 250 PSI, SIDR 7			X				X						
2.00" CENFLO 4710 (D2239) PIPE, 250 PSI, SIDR 7			X		X		X						
0.75" CENFLO 4710 (D2237) PIPE, 250 PSI, SDR 9 CTS			X						X				
1.00" CENFLO 4710 (D2237) PIPE, 250 PSI, SDR 9 CTS			X				X		X				
1.25" CENFLO 4710 (D2237) PIPE, 250 PSI, SDR 9 CTS			X				X						
1.50" CENFLO 4710 (D2237) PIPE, 250 PSI, SDR 9 CTS			X				X						
2.00" CENFLO 4710 (D2237) PIPE, 250 PSI, SDR 9 CTS			X				X						

* Standard Stock Quantities subject to change by the manufacturer

CenFuse

HDPE 4710—ASTM D3035

- *Flexible polyethylene pipe*
- *Produced from only the finest virgin material*
- *Backed by a 50-YEAR WARRANTY*
- *All diameters are IPS, OD controlled and compatible with heat fusion.*
- *Chlorine resistance: CC3 per ASTM F2263*



CENFUSE 4710 HDPE Meets or Exceeds:

ASTM D 3035, ASTM D 3350, CELL CLASSIFICATION PE 445576C

CENFUSE 4710 HDPE Pipe For:

Potable Water and Irrigation Applications.

CENFUSE 4710 HDPE is certified by NSF.

CENFUSE 4710 HDPE meets AWWA C901 and C906 Requirements.

CENFUSE 4710 HDPE 4710 is certified by NSF Standards 14 and 61.



Dimensions

Potable Water		CENFUSE HDPE 4710						
PRODUCT NUMBER	PRODUCT DESCRIPTION	SIZE	ASTM	D /R	O.D.	I.D.	Wall	Wt./Ft.
RSS-050111013400-000	1.25" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	1.25"	D3035	SDR 17	1.660"	1.464"	.098"	.206#
RSS-125239141170-000	1.50" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	1.5"	D3035	SDR 17	1.900"	1.676"	.112"	.269#
RSS-150239141170-000	2.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	2"	D3035	SDR 17	2.375"	2.095"	.140"	.421#
RSS-200239141170-000	3.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	3'	D3035	SDR 17	3.500"	3.088"	.206"	.912#
RSS-300239141170-000	4.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	4"	D3035	SDR 17	4.500"	3.970"	.265"	1.508#
RSS-400239141170-000	6.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	6"	D3035	SDR 17	6.625"	5.971"	.390"	3.268#
RSS-600239141170-000	8.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	8"	D3035	SDR 17	8.625"	7.549"	.507"	5.535#
RSS-800239141170-000	1.50" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	1.5"	D3035	SDR 15.5	1.900"	1.654"	.123"	.294#
RSS-150239141155-000	2.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	2"	D3035	SDR 15.5	2.375"	2.069"	.153"	.457#
RSS-200239141155-000	3.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	3'	D3035	SDR 15.5	3.500"	3.048"	.226"	.994#
RSS-300239141155-000	4.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	4"	D3035	SDR 15.5	4.500"	3.920"	.290"	1.641#
RSS-400239141155-000	6.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	6"	D3035	SDR 15.5	6.625"	5.771"	.427"	3.5557#
RSS-600239141155-000	8.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	8"	D3035	SDR 15.5	8.625"	7.513"	.556"	6.034#
RSS-800239141155-000	1.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	1"	D3035	SDR 13.5	1.315"	1.121"	.097"	.159#
RSS-100239141135-000	1.25" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	1.25"	D3035	SDR 13.5	1.660"	1.414"	.123"	.254#
RSS-125239141135-000	1.50" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	1.5"	D3035	SDR 13.5	1.900"	1.618"	.141"	.333#
RSS-150239141135-000	2.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	2"	D3035	SDR 13.5	2.375"	2.023"	.176"	.520#
RSS-200239141135-000	3.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	3"	D3035	SDR 13.5	3.500"	2.982"	.259"	1.128#
RSS-300239141135-000	4.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	4"	D3035	SDR 13.5	4.500"	3.834"	.333"	1.865#
RSS-400239141135-000	6.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	6"	D3035	SDR 13.5	6.625"	5.643"	.491"	4.048#
RSS-600239141135-000	0.75" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	0.75"	D3035	SDR 11	1.050"	.860"	.095"	.122#
RSS-075239141011-000	1.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	1"	D3035	SDR 11	1.315"	1.077"	.120"	.191#
RSS-100239141011-000	1.25" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	1.25"	D3035	SDR 11	1.660"	1.358"	.151"	.306#
RSS-125239141011-000	1.50" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	1.5"	D3035	SDR 11	1.900"	1.554"	.173"	.402#
RSS-150239141011-000	2.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	2"	D3035	SDR 11	2.375"	1.943"	.216"	.627#
RSS-200239141011-000	3.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	3'	D3035	SDR 11	3.500"	2.864"	.318"	1.36#
RSS-300239141011-000	4.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	4"	D3035	SDR 11	4.500"	3.682"	.409"	2.249#
RSS-400239141011-000	6.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	6"	D3035	SDR 11	6.625"	5.421"	.602"	4.873#
RSS-600239141011-000	8.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	8"	D3035	SDR 11	8.625"	6.936"	.784"	8.263#
RSS-800239141011-000	0.75" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	0.75"	D3035	SDR 9	1.050"	.818"	.117"	.146#
RSS-075239141009-000	1.00" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	1"	D3035	SDR 9	1.315"	1.023"	.146"	.229#
RSS-100239141009-000	1.25" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	1.25"	D3035	SDR 9	1.660"	1.292"	.184"	.365#
RSS-125239141009-000	1.50" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	1.5"	D3035	SDR 9	1.900"	1.478"	.211"	.479#
RSS-150239141009-000	2.00" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	2"	D3035	SDR 9	2.375"	1.847"	.264"	.749#
RSS-200239141009-000	3.00" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	3'	D3035	SDR 9	3.500"	2.722"	.389"	1.626#
RSS-300239141009-000	4.00" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	4"	D3035	SDR 9	4.500"	3.500"	.500"	2.688#

Geothermal Heat Exchange Pipe



The Smart Choice for Closed-Loop Geothermal Heat Pump Systems

Geothermal heat pump systems are rapidly becoming the heating and cooling method of choice for residential and commercial buildings across the country. Geothermal systems create significant cost savings over even the most efficient conventional forced air systems.

Engineers and architects often specify Centennial geothermal products because they are expressly engineered to withstand the working pressures and temperatures of a geothermal heat pump system. Contractors prefer the ease and economy of installing Centennial's exchange pipe.

Centennial Plastics belongs to The International Ground Source Heat Pump Association (IGSHPA), a non-profit organization established to advance ground source heat pump (GSHP) technology on local, state, national and international levels. We are also a member of the Geo Exchange Organization.

Centennial Plastics CenFuse geothermal pipe is the first pipe to be certified by the new standard NSF/ANSI 358-1. Learn more about this standard at nsf.org and about our certification on the National Driller Blog.

Distributed By  **READY Solutions & Services**



 **Centennial**
PLASTICS, INC.
Quality and Service That Soars

Geothermal Exchange Pipe and Fittings



Featuring the exclusive



[Return to Contents](#)

Distributed By



READY Solutions & Services



The smart choice for closed-loop geothermal heat pump systems

It's no mystery why so many engineers and architects rely on Centennial geothermal products. Centennial Plastics has a strong commitment to offering geothermal pipe that offers worry-free performance and provides true energy savings. Prompt, professional customer service is a top priority. And the search for innovative ways to make our products safer and easier to install never ends.

Success starts with Centennial Geothermal HDPE 4710 CenFuse pipe.

CenFuse geothermal pipe is ideal for horizontal or vertical installations that are underground or submerged in water. CenFuse resists corrosion and abrasions, is thermally conductive and comes in a wide selection of straight lengths, flexible coil lengths and SDRs to meet your specifications.

- » Footage markings and product identification are clearly and permanently indented on every coil.
- » Coils are secured with plastic banding, stretch-wrapped and shipped on pallets.

CenFuse geothermal pipe is the first in the country to meet NSF International's NSF/ANSI Standard 358-1 for geothermal heat pump systems.

NSF International is an independent third party organization that certifies products for the water, food, health sciences and consumer goods industries. It recently certified CenFuse pipe and Bullet™ U-Bend fittings to the American National Standard for Ground-Source Geothermal Piping systems.

This certification assures engineers, distributors and contractors that the pipe and fittings in Centennial Plastics' EarthLoops™ geothermal exchange system meet optimum safety and quality levels.

Centennial Plastics makes customer satisfaction a top priority.

- » For your peace of mind, Centennial Plastics offers a full 50-year non-prorated warranty on CenFuse pipe. (Visit centennialplastics.com for more information.)
- » An extensive inventory of geothermal exchange products allows orders to be filled in a timely manner.
- » Custom orders or special requests for coil length, straight length or SDR are welcome.

[Return to Contents](#)

Exclusive EarthLoops™ Geothermal Exchange System makes installation quicker and easier



With the Earth Loops™ system, Bullet™ U-Bend fittings are fused to dual coils of CenFuse pipe at the Centennial Plastics manufacturing facility. The resulting EarthLoops™ arrive at the job site ready for installation.

Bullet™ U-Bend fittings are manufactured from the same virgin HDPE 4710 material as the CenFuse pipe to ensure proper fusion. Made to fit 1½", 1¼", 1", and ¾" diameter pipe, the result is the narrowest U-Bend fitting on the market for more efficient drilling. The Bullet™ U-Bend is NSF 358-1 certified.



Dependability and ease of installation are assured in several ways:

- » Bullet™ U-Bend fittings are made to SDR 9 specifications to cover 200/250 PSI installations.
- » The EarthLoops™ system allows for a narrower bore-hole which in turn needs less grout.
- » Bullet™ U-Bend fittings are designed for easy installation, and are securely butt-fused to EarthLoops™. Look for the unique bullet shape.
- » Knockouts are provided for directional/horizontal boring applications.

EarthLoops™ test-caps set the gold standard for factory-sealed pipe!

The CenFuse pipe used in the EarthLoops™ system is factory-pressurized and sealed with a patented test-cap that offers two significant benefits:

- » The tight, secure seal formed by the test cap is your assurance that the loops are factory-pressurized and free from leaks and contaminants.
- » The test cap's built-in pressure valve allows installers to use a tire gauge for field pressure tests. This can significantly shorten installation time.

Test Cap U.S. Patent No. D709,994 issued 07/29/14, U.S. Patent No. 8,172,276 issued 05/08/2012, U.S. Patent No. 9,593,789 issued 03/14/17, U.S. Patent No. 10,801,654 issued 10/13/20, U.S. Patent No. 9,297,486 issued 03/29/16, and U.S. Patent No. 8,662,541 issued 03/04/14.



Specifications for CenFuse Geothermal Exchange Pipe

CenFuse Geothermal HDPE 4710 Pipe

ASTM D3035		¾"	1"	1¼"	1½"	2"	3"	4"	6"
200 PSI	O.D.	1.050"	1.315"	1.660"	1.900"	2.375"	3.500"	4.500"	6.625"
SDR 11	I.D.	.860"	1.077"	1.358"	1.554"	1.943"	2.864"	3.682"	5.421"
	Wall	.095"	.120"	.151"	.173"	.216"	.318"	.409"	.602"
	Wt/ft	.122#	.191#	.306#	.402#	.627#	1.36#	2.249#	4.873#

CenFuse pipe meets these industry standards:

- NSF/ANSI 358-1
- NSF-14 and 61
- ASTM D3035 - CenFuse HDPE 4710
- AWWA C901 and C906 requirements
- IGSHPA requirements as set forth in Section 1C of the Close Loop/Geothermal Heat Pump Systems Design and Installation Standards.

CenFuse HDPE Pipe and Bullet™ U-Bend Fitting Raw Material

CenFuse Geothermal HDPE 4710 Pipe

Property	ASTM Test Method	English Units*	SI Units*
Density (Natural)	D 4883	—	0.9485 g/cc
Density (Black)	—	—	0.959 g/cc
Melt Index ¹	D 1238	—	8.5 g/10 min
Tensile Strength @Yield (2 in/min)	D 638	3625 psi	25.0 MPa
Tensile Strength @Break (2in/min)	D 638	5500 psi	38.0 MPa
Enlongation @ Break (2 in/min)	D 638	>600%	>600%
Flexural Modulus ²	D 790	150,000 psi	1,035 MPa
Notched Izod Impact Strength	D 256	9 ft-lbf/in	0.49 kJ/m
Hardness (Shore D)	D 2240	66	66
Vicat Softening Point	D 1525	259° F	126° C
Brittleness Temperature	D 746	<180° F	<-118° C
Thermal Stability	D2513/D3350	428°F min	220°C min
Hydrostatic Design Basis @ 23° C	D 2837	1600 psi	11.0 MPa
Hydrostatic Design Basis @ 60° C	D 2837	1000 psi	6.9 MPa
Minumum Required Strength	ISO 9080	—	10.0 MPa
Environmental Stress Crack Resistance ³	D 1693	>5000 hrs.	>5000 hrs.
Pipe Ring ESCR ⁴	—	—	—
Notch Tensile (PENT)	F 1473	>10,000 hrs.	>10,000 hrs.
Carbon Black Concentration	D 1603	2.3%	2.3%
Cell Classification	D 3350	445576C	445576C

* Typical Values
CenFuse Geothermal pipe and EarthLoops™ are available in other SDR's and special lengths. Contact your distributor or visit our website at www.centennialplastics.com. CenFuse SDR 11 meets the applicable standards for AWWA C901 & C906.

¹ 190°C/21,600 g ² 2% Secant-Method 1 ³ Condition C ⁴ Two inch, SDR 19



CenFuse is NSF/ANSI 358-1 certified.



Centennial
PLASTICS, INC.

Quality and Service That Soars

Centennial Plastics is an ISO 9001 certified company.



1830 Centennial Ave.
Hastings, NE 68901
Ph: 402-462-2227
Toll Free: 866-851-2227
Fax: 402-462-5529

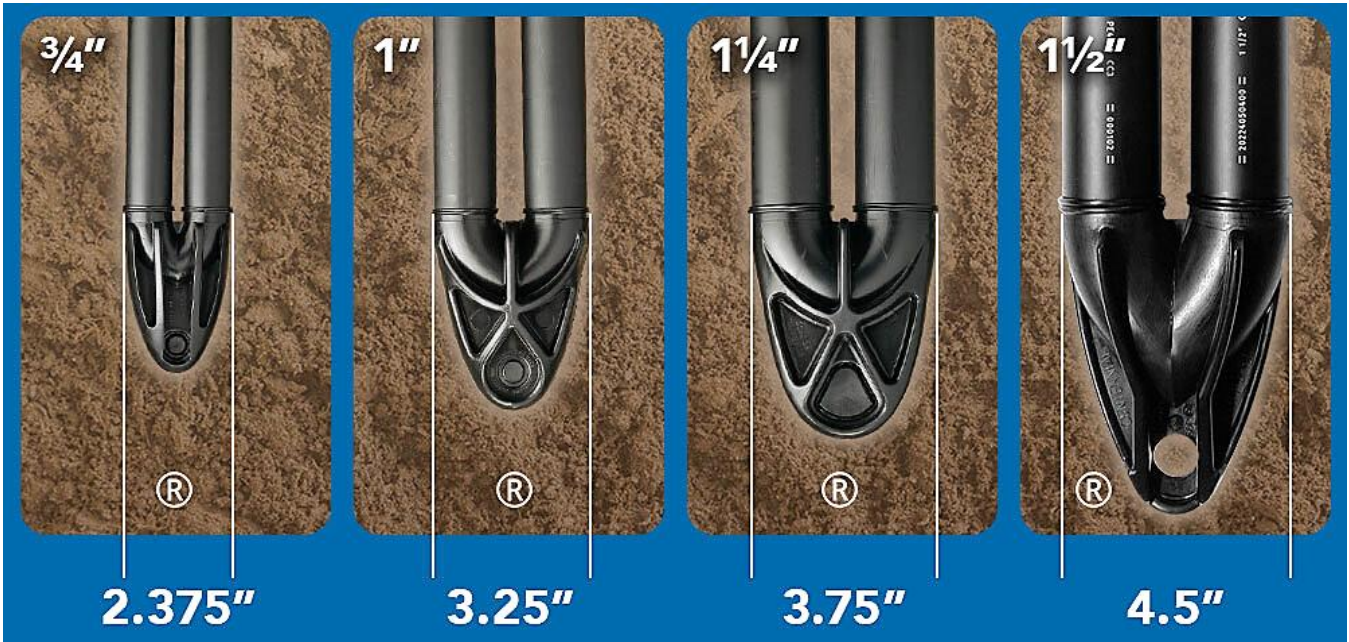
5098 Treasure Valley Way
Nampa, ID 83687
Ph: 208-855-4779
Toll Free: 888-321-4801

www.centennialplastics.com



Distributed By **RSS** RELIABLE Sales & Services

CenFuse Earthloop





Distributed By  **READY Solutions & Services**

CenFuse

HDPE 4710—ASTM D3035

- *Flexible polyethylene pipe*
- *Produced from only the finest virgin material*
- *Backed by a 50-YEAR WARRANTY*
- *All diameters are IPS, OD controlled and compatible with heat fusion.*
- *Chlorine resistance: CC3 per ASTM F2263*



CENFUSE 4710 HDPE Meets or Exceeds:

ASTM D 3035, ASTM D 3350, CELL CLASSIFICATION PE 445576C

CENFUSE 4710 HDPE Pipe For:

Geothermal, Ground Source Heat Pump Applications

CENFUSE 4710 HDPE is certified by NSF.

CENFUSE 4710 HDPE meets AWWA C901 and C906 Requirements.

CENFUSE 4710 HDPE 4710 is certified by NSF Standards 14 and 61.

[Return to Contents](#)



Dimensions

Geothermal	CENFUSE HDPE 4710							
PRODUCT NUMBER	PRODUCT DESCRIPTION	SIZE	ASTM	D / R	O.D.	I.D.	Wall	Wt./Ft.
RSS-125239141170-000	1.25" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	1.25"	D3035	SDR 17	1.660"	1.464"	.098"	.206#
RSS-150239141170-000	1.50" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	1.5"	D3035	SDR 17	1.900"	1.676"	.112"	.269#
RSS-200239141170-000	2.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	2"	D3035	SDR 17	2.375"	2.095"	.140"	.421#
RSS-300239141170-000	3.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	3'	D3035	SDR 17	3.500"	3.088"	.206"	.912#
RSS-400239141170-000	4.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	4"	D3035	SDR 17	4.500"	3.970"	.265"	1.508#
RSS-600239141170-000	6.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	6"	D3035	SDR 17	6.625"	5.971"	.390"	3.268#
RSS-800239141170-000	8.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	8"	D3035	SDR 17	8.625"	7.549"	.507"	5.535#
RSS-150239141155-000	1.50" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	1.5"	D3035	SDR 15.5	1.900"	1.654"	.123"	.294#
RSS-200239141155-000	2.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	2"	D3035	SDR 15.5	2.375"	2.069"	.153"	.457#
RSS-300239141155-000	3.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	3'	D3035	SDR 15.5	3.500"	3.048"	.226"	.994#
RSS-400239141155-000	4.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	4"	D3035	SDR 15.5	4.500"	3.920"	.290"	1.641#
RSS-600239141155-000	6.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	6"	D3035	SDR 15.5	6.625"	5.771"	.427"	3.5557#
RSS-800239141155-000	8.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	8"	D3035	SDR 15.5	8.625"	7.513"	.556"	6.034#
RSS-100239141135-000	1.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	1"	D3035	SDR 13.5	1.315"	1.121"	.097"	.159#
RSS-125239141135-000	1.25" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	1.25"	D3035	SDR 13.5	1.660"	1.414"	.123"	.254#
RSS-150239141135-000	1.50" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	1.5"	D3035	SDR 13.5	1.900"	1.618"	.141"	.333#
RSS-200239141135-000	2.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	2"	D3035	SDR 13.5	2.375"	2.023"	.176"	.520#
RSS-300239141135-000	3.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	3"	D3035	SDR 13.5	3.500"	2.982"	.259"	1.128#
RSS-400239141135-000	4.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	4"	D3035	SDR 13.5	4.500"	3.834"	.333"	1.865#
RSS-600239141135-000	6.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	6"	D3035	SDR 13.5	6.625"	5.643"	.491"	4.048#
RSS-075239141011-000	0.75" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	0.75"	D3035	SDR 11	1.050"	.860"	.095"	.122#
RSS-100239141011-000	1.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	1"	D3035	SDR 11	1.315"	1.077"	.120"	.191#
RSS-125239141011-000	1.25" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	1.25"	D3035	SDR 11	1.660"	1.358"	.151"	.306#
RSS-150239141011-000	1.50" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	1.5"	D3035	SDR 11	1.900"	1.554"	.173"	.402#
RSS-200239141011-000	2.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	2"	D3035	SDR 11	2.375"	1.943"	.216"	.627#
RSS-300239141011-000	3.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	3'	D3035	SDR 11	3.500"	2.864"	.318"	1.36#
RSS-400239141011-000	4.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	4"	D3035	SDR 11	4.500"	3.682"	.409"	2.249#
RSS-600239141011-000	6.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	6"	D3035	SDR 11	6.625"	5.421"	.602"	4.873#
RSS-800239141011-000	8.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	8"	D3035	SDR 11	8.625"	6.936"	.784"	8.263#
RSS-075239141009-000	0.75" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	0.75"	D3035	SDR 9	1.050"	.818"	.117"	.146#
RSS-100239141009-000	1.00" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	1"	D3035	SDR 9	1.315"	1.023"	.146"	.229#
RSS-125239141009-000	1.25" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	1.25"	D3035	SDR 9	1.660"	1.292"	.184"	.365#
RSS-150239141009-000	1.50" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	1.5"	D3035	SDR 9	1.900"	1.478"	.211"	.479#
RSS-200239141009-000	2.00" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	2"	D3035	SDR 9	2.375"	1.847"	.264"	.749#
RSS-300239141009-000	3.00" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	3'	D3035	SDR 9	3.500"	2.722"	.389"	1.626#
RSS-400239141009-000	4.00" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	4"	D3035	SDR 9	4.500"	3.500"	.500"	2.688#

Irrigation Pipe





CenFlex

Flexible Polyethylene Utility Grade Pipe

- Suitable for all pressure installations, other than potable water
- Competitively priced
- Backed by a **1-YEAR LIMITED WARRANTY**



Dimensions

Irrigation	CENFLEX UTILITY HDPE								
	PRODUCT NUMBER	PRODUCT DESCRIPTION	SIZE	ASTM	D /R	O.D.	I.D.	Wall	Wt./Ft.
	RSS-075296200000-000	0.75" CENFLEX 80 (D2239) PIPE, 80 PSI	0.75"	D2239	----	----	.824"	.055"	.065#
	RSS-100296200000-000	1.00" CENFLEX 80 (D2239) PIPE, 80 PSI	1"	D2239	----	----	1.049"	.060"	.090#
	RSS-125296200000-000	1.25" CENFLEX 80 (D2239) PIPE, 80 PSI	1.25"	D2239	----	----	1.380"	.078"	.156#
	RSS-150296200000-000	1.50" CENFLEX 80 (D2239) PIPE, 80 PSI	1.5"	D2239	----	----	1.610"	.091"	.208#
	RSS-200296200000-000	2.00" CENFLEX 80 (D2239) PIPE, 80 PSI	2"	D2239	----	----	2.067"	.117"	.347#
	RSS-050296210000-000	0.50" CENFLEX 100 (D2239) PIPE, 100 PSI	0.50"	D2239	----	----	.622"	.060"	.055#
	RSS-075296210000-000	0.75" CENFLEX 100 (D2239) PIPE, 100 PSI	0.75"	D2239	----	----	.824"	.060"	.071#
	RSS-100296210000-000	1.00" CENFLEX 100 (D2239) PIPE, 100 PSI	1"	D2239	----	----	1.049"	.070"	.105#
	RSS-125296210000-000	1.25" CENFLEX 100 (D2239) PIPE, 100 PSI	1.25"	D2239	----	----	1.380"	.092"	.183#
	RSS-150296210000-000	1.50" CENFLEX 100 (D2239) PIPE, 100 PSI	1.5"	D2239	----	----	1.610"	.107"	.245#
	RSS-200296210000-000	2.00" CENFLEX 100 (D2239) PIPE, 100 PSI	2"	D2239	----	----	2.067"	.138"	.408#



CenFlex Utility HDPE Pipe

Material:

All CenFlex is manufactured from HDPE utility grade resin. The material contains a Minimum 2% Carbon Black as a UV inhibitor to accommodate limited outside storage. The pipe is manufactured to ASTM D2239 dimensions.

Print Line:

All CenFlex Utility HDPE is indent printed with white print stating the following:

1. Identification of Centennial Plastics as the manufacturer.
2. Manufacturing dates using the Julian calendar.
3. Incremental footage marking every two feet.
4. Production shift designation.

Recommended Usage:

CenFlex Utility pipe is recommended for use as the piping material for stock water, industrial, irrigation or any other non-potable water applications.

Connections:

CenFlex Utility pipe is manufactured to accommodate insert fittings.

Handling:

Any handling of the pipe shall avoid contact with sharp edged objects. If stored outside for long periods of time, the pipe should be covered with a UV resistant tarp or cover. If the wall of the pipe is penetrated by more than 10% of its thickness, the damaged pipe should be cut out, disposed of and replaced.

Drip Tube

- *Flexible polyethylene pipe specifically designed for micro-irrigation*
- *Produced from virgin Linear Low-Density Polyethylene*
- *Outstanding environmental stress-cracking resistance*
- *Highest possible UV resistance in the market today*



LLDPE DRIP TUBE is recommended for normal micro irrigation & drip irrigation applications.

LLDPE Drip Tube is not a pressure-rated pipe.

LLDPE DRIP TUBE Meets or Exceeds:

DOW DFDA-7510 NT Raw Material Properties, ASTM D 3350, Cell Classification PE 123110A



Distributed By  **READY Solutions & Services**

ProTurf™ Irrigation

High Density Polyethylene Pipe

The professional turf irrigation pipe with the Buyer's Lifetime Warranty



Quality and Service that Soars

[Return to Contents](#)



Distributed By



READY Solutions & Services

ProTurfIrrigation™

We take the worry out of underground sprinkler system installations!

At Centennial Plastics, our goal is to provide you with polyethylene pipe you can easily install and simply forget. That's certainly true with our *ProTurf Irrigation Pipe*! Our high manufacturing standards, continuous testing procedures, and high-end service guarantee that our *ProTurf Irrigation Pipe* will be the most trouble-free turf irrigation pipe you can install.

Made with top quality virgin medium or high density polyethylene, *ProTurf Irrigation Pipe* is very easy to handle, resulting in a neat and clean installation. And once installed, Centennial Plastics backs *ProTurf Irrigation Pipe* with a Buyer's Lifetime Warranty.

Centennial Plastics shares your goal of making sure the turf irrigation pipe installed on your property is never the cause of a problem with your system. With *ProTurf Irrigation Pipe* there are no worries, no hassles, no service calls to your contractor — just peace of mind knowing you have the best pipe for your underground sprinkler system!



Centennial
PLASTICS, INC.
Quality and Service that Soars

[Return to Contents](#)

ProTurf^{green} HDPE 3608 — ASTM D2239

80 PSI | ASTM D2239 | SIDR 19

Green Exterior	O.D.	I.D.	Wall	Wt/ft
1"	1.169"	1.049"	.060"	.093#
1¼"	1.526"	1.380"	.073"	.148#

100 PSI | ASTM D2239 | SIDR 15

Green Exterior	O.D.	I.D.	Wall	Wt/ft
¾"	.944"	.824"	.060"	.074#
1"	1.189"	1.049"	.070"	.109#
1¼"	1.564"	1.380"	.092"	.187#

ProTurf Green® HDPE is tested and certified by NSF. Please see centennialplastics.com for stocking coil lengths.

ProTurf^{black} HDPE 3608 — ASTM D2239

80 PSI | ASTM D2239 | SIDR 19

Solid Black	O.D.	I.D.	Wall	Wt/ft
1"	1.169"	1.049"	.060"	.093#
1¼"	1.526"	1.380"	.073"	.148#
1½"	1.810"	1.610"	.100"	.231#
2"	2.285"	2.067"	.109"	.324#

100 PSI | ASTM D2239 | SIDR 15

Solid Black	O.D.	I.D.	Wall	Wt/ft
¾"	.944"	.824"	.060"	.074#
1"	1.189"	1.049"	.070"	.109#
1¼"	1.564"	1.380"	.092"	.187#
1½"	1.824"	1.610"	.107"	.251#
2"	2.343"	2.067"	.138"	.416#

ProTurf™ Black HDPE is tested and certified by NSF. Please see centennialplastics.com for stocking coil lengths.

Here's why ProTurf™ Irrigation Pipe is the best choice for underground sprinkler systems:

- Only the highest quality virgin resins are used to give our ProTurf™ Irrigation Pipe superior strength, flexibility, and durability.
- ProTurf™ Irrigation Pipe is consistently sized to assure properly fitted installations without fear of future leaks.
- The distinctive colors make ProTurf™ Irrigation Pipe easy to identify.
- ProTurf™ has a gun barrel smooth interior which results in minimal friction loss.
- ProTurf™ Irrigation Pipe is subjected to rigorous freeze/thaw tests that simulate 50 years of harsh weather extremes. (Tests show ProTurf™ Irrigation Pipe will expand 14% and return to its original size [water expands 6%]. This expansion takes the pressure off fittings and heads.)
- ProTurf™ Irrigation Pipe is backed with a Buyer's Lifetime Warranty which guarantees it to last as long as you own your property. (Please see warranty section of this brochure for details.)

ProTurf^{blue} HDPE 3608 — ASTM D2239

80 PSI | ASTM D2239 | SIDR 19

Solid Blue	O.D.	I.D.	Wall	Wt/ft
1"	1.169"	1.049"	.060"	.093#
1¼"	1.526"	1.380"	.073"	.148#

100 PSI | ASTM D2239 | SIDR 15

Solid Blue	O.D.	I.D.	Wall	Wt/ft
¾"	.944"	.824"	.060"	.074#
1"	1.189"	1.049"	.070"	.109#
1¼"	1.564"	1.380"	.092"	.187#

ProTurf™ Blue HDPE is tested and certified by NSF. Please see centennialplastics.com for stocking coil lengths.



Distributed By  **READY Solutions & Services**

ProTurf Green® HDPE

HDPE 3608—ASTM D2239

- *Flexible polyethylene pipe*
- *Produced from only the finest virgin material*
- *Backed by a **BUYER'S LIFETIME WARRANTY***
- **Virgin Black Core with Virgin Turf Green Exterior**



**PROTURF GREEN 3608 HDPE Meets or Exceeds:
ASTM D 2239, ASTM D 3350, CELL CLASSIFICATION PE 345464C**

PROTURF GREEN 3608 HDPE Pipe For: Irrigation Applications.

**PROTURF GREEN 3608 HDPE is certified by NSF.
PROTURF GREEN 3608 HDPE is certified by NSF Standards 14 and 61.**

[Return to Contents](#)



Distributed By  **READY Solutions & Services**

ProTurf Blue™ HDPE

HDPE 3608—ASTM D2239

- *Flexible polyethylene pipe*
- *Produced from only the finest virgin material*
- *Backed by a **BUYER'S LIFETIME WARRANTY***
- **Virgin Blue Core with Virgin Blue Exterior**



**PROTURF BLUE 3608 HDPE Meets or Exceeds:
ASTM D 2737, ASTM D 3350, CELL CLASSIFICATION PE 345464C**

PROTURF BLUE 3608 HDPE Pipe For: Irrigation Applications.

**PROTURF BLUE 3608 HDPE is certified by NSF.
PROTURF BLUE 3608 HDPE is certified by NSF Standards 14 and 61.**

[Return to Contents](#)



Distributed By  **READY Solutions & Services**

ProTurf Black™ HDPE

HDPE 3608—ASTM D2239

- *Flexible polyethylene pipe and tubing*
- *Produced from only the finest virgin material*
- *Backed by a **BUYER'S LIFETIME WARRANTY***
- *Virgin Black material*



PROTURF BLACK 3608 HDPE Meets or Exceeds:

ASTM D 2737, ASTM D 2239, ASTM D 3350, Cell Classification PE 345464C.

PROTURF BLACK 3608 HDPE Pipe For: Irrigation Applications.

PROTURF BLACK 3608 HDPE is Certified by NSF.

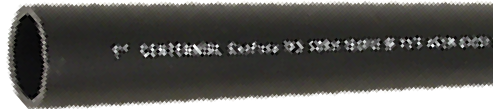
CENFLO 3608 HDPE is Certified by NSF Standards 14 and 61.

[Return to Contents](#)

CenFuse

HDPE 4710—ASTM D3035

- *Flexible polyethylene pipe*
- *Produced from only the finest virgin material*
- *Backed by a 50-YEAR WARRANTY*
- *All diameters are IPS, OD controlled and compatible with heat fusion.*
- *Chlorine resistance: CC3 per ASTM F2263*



CENFUSE 4710 HDPE Meets or Exceeds:

ASTM D 3035, ASTM D 3350, CELL CLASSIFICATION PE 445576C

CENFUSE 4710 HDPE Pipe For:

**CENFUSE 4710 PIPE FOR:
Potable Water and Irrigation Applications.**

**CENFUSE 4710 HDPE is certified by NSF.
CENFUSE 4710 HDPE meets AWWA C901 and C906 Requirements.
CENFUSE 4710 HDPE 4710 is certified by NSF Standards 14 and 61.**



Dimensions

Potable Water	CENFUSE HDPE 4710							
PRODUCT NUMBER	PRODUCT DESCRIPTION	SIZE	ASTM	D /R	O.D.	I.D.	Wall	Wt./Ft.
RSS-125239141170-000	1.25" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	1.25"	D3035	SDR 17	1.660"	1.464"	.098"	.206#
RSS-150239141170-000	1.50" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	1.5"	D3035	SDR 17	1.900"	1.676"	.112"	.269#
RSS-200239141170-000	2.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	2"	D3035	SDR 17	2.375"	2.095"	.140"	.421#
RSS-300239141170-000	3.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	3'	D3035	SDR 17	3.500"	3.088"	.206"	.912#
RSS-400239141170-000	4.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	4"	D3035	SDR 17	4.500"	3.970"	.265"	1.508#
RSS-600239141170-000	6.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	6"	D3035	SDR 17	6.625"	5.971"	.390"	3.268#
RSS-800239141170-000	8.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	8"	D3035	SDR 17	8.625"	7.549"	.507"	5.535#
RSS-150239141155-000	1.50" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	1.5"	D3035	SDR 15.5	1.900"	1.654"	.123"	.294#
RSS-200239141155-000	2.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	2"	D3035	SDR 15.5	2.375"	2.069"	.153"	.457#
RSS-300239141155-000	3.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	3'	D3035	SDR 15.5	3.500"	3.048"	.226"	.994#
RSS-400239141155-000	4.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	4"	D3035	SDR 15.5	4.500"	3.920"	.290"	1.641#
RSS-600239141155-000	6.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	6"	D3035	SDR 15.5	6.625"	5.771"	.427"	3.5557#
RSS-800239141155-000	8.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	8"	D3035	SDR 15.5	8.625"	7.513"	.556"	6.034#
RSS-100239141135-000	1.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	1"	D3035	SDR 13.5	1.315"	1.121"	.097"	.159#
RSS-125239141135-000	1.25" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	1.25"	D3035	SDR 13.5	1.660"	1.414"	.123"	.254#
RSS-150239141135-000	1.50" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	1.5"	D3035	SDR 13.5	1.900"	1.618"	.141"	.333#
RSS-200239141135-000	2.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	2"	D3035	SDR 13.5	2.375"	2.023"	.176"	.520#
RSS-300239141135-000	3.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	3"	D3035	SDR 13.5	3.500"	2.982"	.259"	1.128#
RSS-400239141135-000	4.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	4"	D3035	SDR 13.5	4.500"	3.834"	.333"	1.865#
RSS-600239141135-000	6.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	6"	D3035	SDR 13.5	6.625"	5.643"	.491"	4.048#
RSS-075239141011-000	0.75" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	0.75"	D3035	SDR 11	1.050"	.860"	.095"	.122#
RSS-100239141011-000	1.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	1"	D3035	SDR 11	1.315"	1.077"	.120"	.191#
RSS-125239141011-000	1.25" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	1.25"	D3035	SDR 11	1.660"	1.358"	.151"	.306#
RSS-150239141011-000	1.50" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	1.5"	D3035	SDR 11	1.900"	1.554"	.173"	.402#
RSS-200239141011-000	2.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	2"	D3035	SDR 11	2.375"	1.943"	.216"	.627#
RSS-300239141011-000	3.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	3'	D3035	SDR 11	3.500"	2.864"	.318"	1.36#
RSS-400239141011-000	4.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	4"	D3035	SDR 11	4.500"	3.682"	.409"	2.249#
RSS-600239141011-000	6.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	6"	D3035	SDR 11	6.625"	5.421"	.602"	4.873#
RSS-800239141011-000	8.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	8"	D3035	SDR 11	8.625"	6.936"	.784"	8.263#
RSS-075239141009-000	0.75" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	0.75"	D3035	SDR 9	1.050"	.818"	.117"	.146#
RSS-100239141009-000	1.00" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	1"	D3035	SDR 9	1.315"	1.023"	.146"	.229#
RSS-125239141009-000	1.25" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	1.25"	D3035	SDR 9	1.660"	1.292"	.184"	.365#
RSS-150239141009-000	1.50" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	1.5"	D3035	SDR 9	1.900"	1.478"	.211"	.479#
RSS-200239141009-000	2.00" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	2"	D3035	SDR 9	2.375"	1.847"	.264"	.749#
RSS-300239141009-000	3.00" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	3'	D3035	SDR 9	3.500"	2.722"	.389"	1.626#
RSS-400239141009-000	4.00" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	4"	D3035	SDR 9	4.500"	3.500"	.500"	2.688#

Multi-Purpose HDPE Pipe



CenFuse

HDPE 4710—ASTM D3035

- Flexible polyethylene pipe
- Produced from only the finest virgin material
- Backed by a 50-YEAR WARRANTY
- All diameters are IPS, OD controlled and compatible with heat fusion.
- Chlorine resistance: CC3 per ASTM F2263



**CENFUSE 4710 HDPE Meets or Exceeds:
ASTM D 3035, ASTM D 3350, CELL CLASSIFICATION PE 445576C**

**CENFUSE 4710 PIPE FOR:
Geothermal, Golf Irrigation, Mining and Industrial, Oil and Gas,
and Stock Water Applications requiring controlled outside diameter pipe.**

**CENFUSE 4710 HDPE is certified by NSF.
CENFUSE 4710 HDPE meets AWWA C901 and C906 Requirements.
CENFUSE 4710 HDPE 4710 is certified by NSF Standards 14 and 61.**



Dimensions

Potable Water	CENFUSE HDPE 4710							
PRODUCT NUMBER	PRODUCT DESCRIPTION	SIZE	ASTM	D /R	O.D.	I.D.	Wall	Wt./Ft.
RSS-125239141170-000	1.25" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	1.25"	D3035	SDR 17	1.660"	1.464"	.098"	.206#
RSS-150239141170-000	1.50" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	1.5"	D3035	SDR 17	1.900"	1.676"	.112"	.269#
RSS-200239141170-000	2.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	2"	D3035	SDR 17	2.375"	2.095"	.140"	.421#
RSS-300239141170-000	3.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	3'	D3035	SDR 17	3.500"	3.088"	.206"	.912#
RSS-400239141170-000	4.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	4"	D3035	SDR 17	4.500"	3.970"	.265"	1.508#
RSS-600239141170-000	6.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	6"	D3035	SDR 17	6.625"	5.971"	.390"	3.268#
RSS-800239141170-000	8.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	8"	D3035	SDR 17	8.625"	7.549"	.507"	5.535#
RSS-150239141155-000	1.50" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	1.5"	D3035	SDR 15.5	1.900"	1.654"	.123"	.294#
RSS-200239141155-000	2.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	2"	D3035	SDR 15.5	2.375"	2.069"	.153"	.457#
RSS-300239141155-000	3.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	3'	D3035	SDR 15.5	3.500"	3.048"	.226"	.994#
RSS-400239141155-000	4.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	4"	D3035	SDR 15.5	4.500"	3.920"	.290"	1.641#
RSS-600239141155-000	6.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	6"	D3035	SDR 15.5	6.625"	5.771"	.427"	3.5557#
RSS-800239141155-000	8.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	8"	D3035	SDR 15.5	8.625"	7.513"	.556"	6.034#
RSS-100239141135-000	1.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	1"	D3035	SDR 13.5	1.315"	1.121"	.097"	.159#
RSS-125239141135-000	1.25" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	1.25"	D3035	SDR 13.5	1.660"	1.414"	.123"	.254#
RSS-150239141135-000	1.50" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	1.5"	D3035	SDR 13.5	1.900"	1.618"	.141"	.333#
RSS-200239141135-000	2.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	2"	D3035	SDR 13.5	2.375"	2.023"	.176"	.520#
RSS-300239141135-000	3.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	3"	D3035	SDR 13.5	3.500"	2.982"	.259"	1.128#
RSS-400239141135-000	4.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	4"	D3035	SDR 13.5	4.500"	3.834"	.333"	1.865#
RSS-600239141135-000	6.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5	6"	D3035	SDR 13.5	6.625"	5.643"	.491"	4.048#
RSS-075239141011-000	0.75" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	0.75"	D3035	SDR 11	1.050"	.860"	.095"	.122#
RSS-100239141011-000	1.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	1"	D3035	SDR 11	1.315"	1.077"	.120"	.191#
RSS-125239141011-000	1.25" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	1.25"	D3035	SDR 11	1.660"	1.358"	.151"	.306#
RSS-150239141011-000	1.50" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	1.5"	D3035	SDR 11	1.900"	1.554"	.173"	.402#
RSS-200239141011-000	2.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	2"	D3035	SDR 11	2.375"	1.943"	.216"	.627#
RSS-300239141011-000	3.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	3'	D3035	SDR 11	3.500"	2.864"	.318"	1.36#
RSS-400239141011-000	4.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	4"	D3035	SDR 11	4.500"	3.682"	.409"	2.249#
RSS-600239141011-000	6.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	6"	D3035	SDR 11	6.625"	5.421"	.602"	4.873#
RSS-800239141011-000	8.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	8"	D3035	SDR 11	8.625"	6.936"	.784"	8.263#
RSS-075239141009-000	0.75" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	0.75"	D3035	SDR 9	1.050"	.818"	.117"	.146#
RSS-100239141009-000	1.00" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	1"	D3035	SDR 9	1.315"	1.023"	.146"	.229#
RSS-125239141009-000	1.25" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	1.25"	D3035	SDR 9	1.660"	1.292"	.184"	.365#
RSS-150239141009-000	1.50" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	1.5"	D3035	SDR 9	1.900"	1.478"	.211"	.479#
RSS-200239141009-000	2.00" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	2"	D3035	SDR 9	2.375"	1.847"	.264"	.749#
RSS-300239141009-000	3.00" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	3'	D3035	SDR 9	3.500"	2.722"	.389"	1.626#
RSS-400239141009-000	4.00" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	4"	D3035	SDR 9	4.500"	3.500"	.500"	2.688#



Available Product Packaging: 20' and 40' Sticks (Pallets and Truckloads)
 100' – 1,000' Coils (Pallets and Truckloads)
 60"/84"/96"/102" Reels (Partial & Full Truckloads)

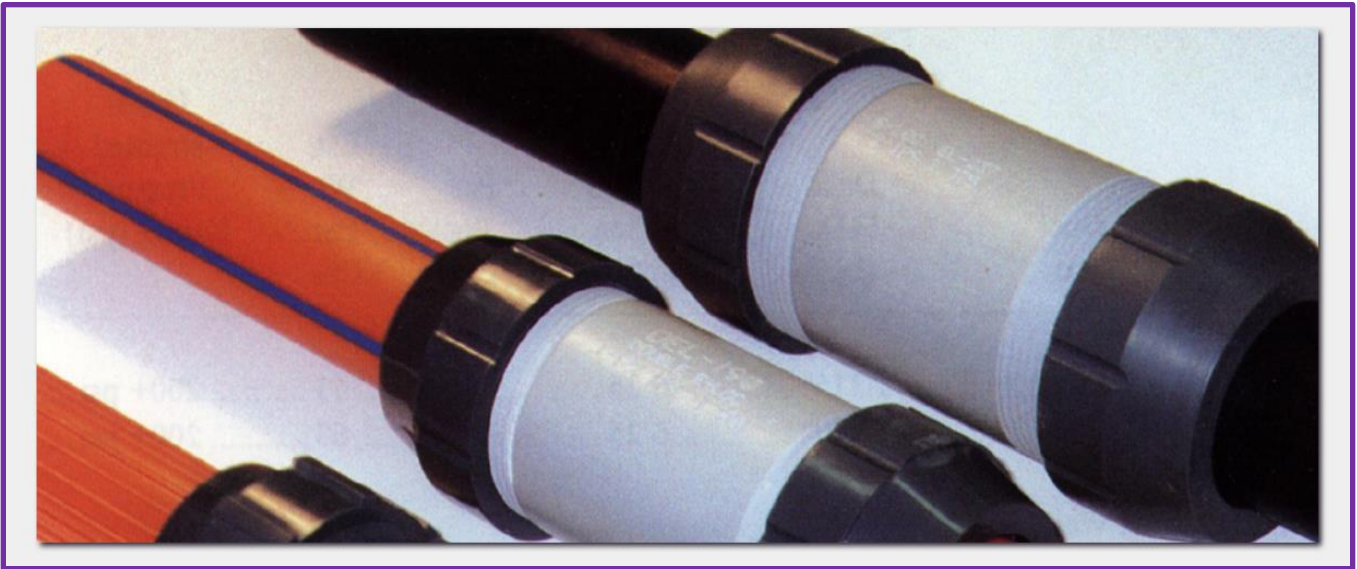
See SHIPPING PAGE for Quantities per Pallet, per Reel, and per Truckload

Packaging - Standard Stock* (X) and Available

CENFUSE HDPE 4710	Stick 20'	Stick 40'	Coil 100'	Coil 150'	Coil 200'	Coil 250'	Coil 300'	Coil 400'	Coil 500'	Coil 600'	Coil 700'	Coil 800'	Coil 1000'
1.25" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17													
1.50" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17													
2.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17													
3.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	X	X											
4.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	X	X											
6.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	X	X											
8.00" CENFUSE 4710 (D3035) PIPE, 125 PSI, SDR 17	X	X											
1.50" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5													
2.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	X												
3.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	X	X					X						
4.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	X												
6.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	X	X											
8.00" CENFUSE 4710 (D3035) PIPE, 138 PSI, SDR 15.5	X												
1.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5													
1.25" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5													
1.50" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5													
2.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5													
3.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5													
4.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5													
6.00" CENFUSE 4710 (D3035) PIPE, 160 PSI, SDR 13.5													
0.75" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	X					X			X	X		X	
1.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	X		X			X			X				X
1.25" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	X		X		X		X		X				
1.50" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	X		X		X		X		X				
2.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	X	X	X		X		X		X				
3.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	X	X					X		X				
4.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	X	X							X				
6.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	X	X											
8.00" CENFUSE 4710 (D3035) PIPE, 200 PSI, SDR 11	X	X											
0.75" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9									X				
1.00" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9							X		X				
1.25" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9							X		X				
1.50" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9							X		X				
2.00" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9							X		X				
3.00" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9													
4.00" CENFUSE 4710 (D3035) PIPE, 250 PSI, SDR 9	X												

* Standard Stock Quantities subject to change by the manufacturer

ETCO SPECIALTY PRODUCTS, INC.



The ETCO Approach

ETCO Specialty Products, Inc., founded in 1982 as the E. Thompson Company, is a manufacturer of specialty fittings for primarily the utilities industry.

ETCO's first products were expandable pipe stoppers and clean out plugs for the plumbing and sewer industry. As ETCO grew, so did the markets for the plugs. The telephone and electrical utility industries began using the plugs for plugging vacant ducts. ETCO received its first patent in 1985 on their "T" Cone expandable plug.

In 1986, ETCO began compounding our own urethanes in order to meet the physical properties and environmental requirements needed for our products. At about the same time, ETCO developed a process to bond our urethanes to PVC, steel, stainless steel, and aluminum. This process enabled ETCO to expand the applications for our urethanes and develop new products.

The next major development at ETCO was it's "E-Loc" Coupling. The "E-Loc" Coupling is a fitting used predominantly in the electrical and telephone industries to join conduit without solvent, adhesive bonding, fusion welding, or special installation equipment. It is ideal for joining dissimilar materials and can be designed to join different sizes of conduit. ETCO currently manufactures "E-Loc" Coupling to join conduits ranging from 1/2" to 8" in diameter. ETCO received a patent on the "E-Loc" Coupling in January of 1993.



ETCO Specialty Products, Inc.

As technology and processes evolved, so has ETCO. With the advent of fiber optics and the process of blowing cable through the duct – the requirements of the couplings changed. The system and couplings had to resist 150 psi without leaking and blowing out. To meet the change, ETCO developed the Double “E-Loc” Coupling which can withstand 200 psi and 3000 pound pull out on the 2” coupling. Currently ETCO has developed approximately 10 different sizes of the Double “E-Loc” Coupling for conduit ranging in size from 1” to 2” in diameter. There are no metal parts involved and no tools are required for installation. ETCO received a patent on the Double “E-Loc” November 11, 1998.

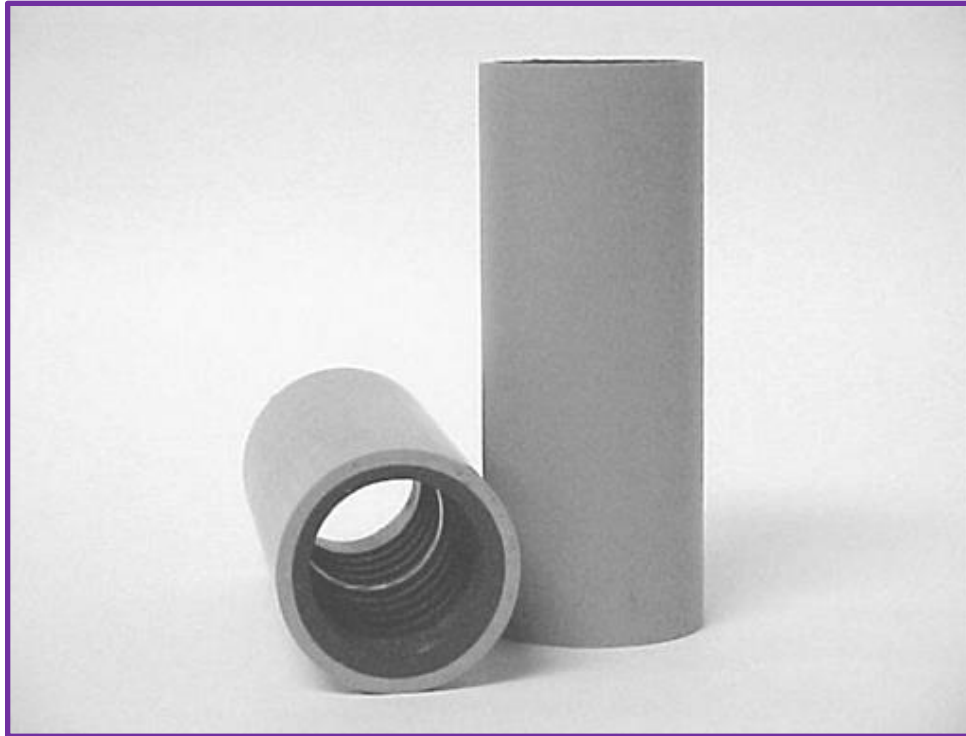
In 1996, a major manufacturer of corrugated pipe approached ETCO for help in developing a manhole adapter for their large diameter corrugated pipe. These adapters would be used with precast concrete manholes. In 1997, ETCO successfully developed and began production of these adapters. The process involves bonding cast urethane on the end of corrugated pipe approximately 13’ long. ETCO is currently casting adapters on corrugated pipe ranging in size from 24” to 36” in diameter.

ETCO’s most recent expansion is an additional 13,000 square feet with 8,000 square feet dedicated to a fully equipped, modernized injection molding facility. The injection facility which included four injection presses ranging in size from 55 tons to 240 tons, allows ETCO to have its products molded locally – giving ETCO better control and efficiency in its injection molded products.

ETCO sells most of its products through master distributors and Original Equipment Manufacturers (OEM) throughout the U.S.A., Canada, and Mexico. We have exported our products overseas into Europe, China, and the Czech Republic, however, these markets are somewhat limited due to transportation costs.

ETCO’s success and growth can be attributed to its focus on customer service and solving customer problems. ETCO Specialty Products’ recent expansion enables us to be in a better position to continue to meet our customers’ needs and allow for continued growth.

E-LOC® COUPLING



The E-Loc® Coupling is a compression coupling that provides a watertight/airtight connection in buried or restrained applications. The ability to join dissimilar materials, such as PVC, HDPE, fiberglass or metal makes the E-Loc® a versatile coupling for the telephone, electrical, and cable industries. Patented.

E-Loc® couplings are available to fit conduit sizes from ½" through 8", including several special diameters. Watertight to 200 psi restrained on smooth wall, ribbed, and corrugated duct. Custom lengths and transitions for different diameters are also available.

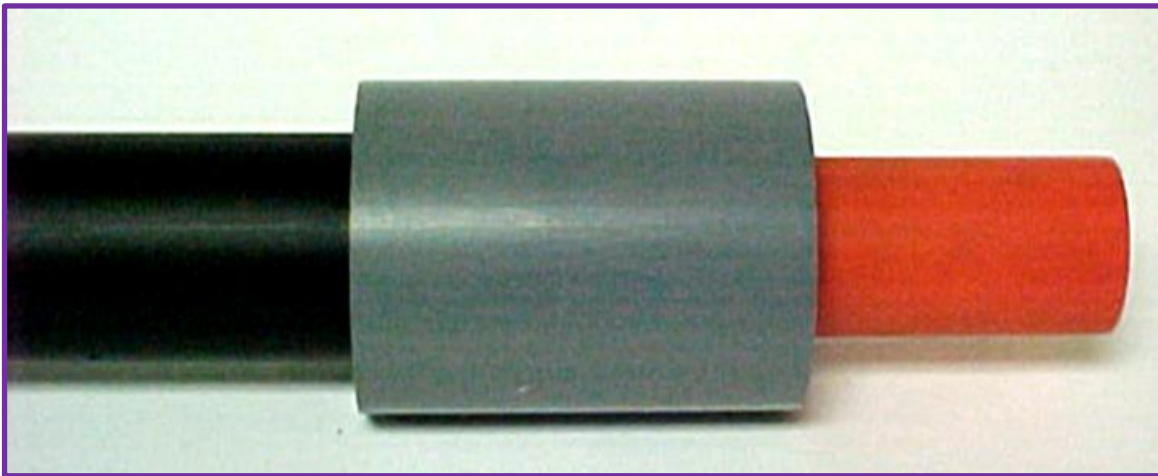


E-LOC®			
Part No.	Description	Per Ctn.	Wt. Ctn.
EL-062	16 mm OR 5/8"	50	16
EL-084	½" IPS or 22 mm	100	18
EL-086	½" .086 OD	100	33
EL-086R	½" RIBBED	50	20
EL-105	¾" IPS	100	28
EL-112	¾" CORRUGATED 1.12OD		
EL-123	1" SiDR 11.5	50	48
EL-128C	1" CORRUGATED 1.28" OD	50	
EL-131	1" IPS	50	23
EL-135	1" SiDR 7	50	45
EL-137	1.37" OD	50	46
EL-140C	CORRUGATED 1.40" OD	50	42
EL-142	1 1/8th" 1.42" OD	50	44
EL-150	1 ½" TRUE SiDR 11.5	50	41
EL-154	1¼" 1.54" OD	50	40
EL-157	40 MM	50	39
EL-157C	CORRUGATED 1.57" OD	50	39
EL-160	1.60" OD	50	36
EL-166	1¼" IPS	50	28
EL-166-12	1¼" IPS x 12" LONG		
EL-175	1.75" OD	25	35
EL-178	1¼" SiDR 7 1.78" OD	25	
EL-183	SiDR	25	32
EL-190	1½" IPS	25	19
EL-190-8	1½" IPS x 8" LONG	25	39
EL-190-12	1½" IPS x 12" LONG	12	29
EL-209	2" SiDR 7		
EL-2197	2" EMT PIPE	25	
EL-232C	2" CORRUGATED 2.32" OD	25	42
EL-235	2.35" OD	25	44
EL-237	2" IPS	25	25
EL-237-8	2" IPS x 8" LONG	16	36
EL-237-12	2" IPS x 12" LONG	16	52
EL-243	2" SiDR 11.5	25	40
EL-251	2½" 2.51" OD	25	36



E-LOC[®] continued			
Part No.	Description	Per Ctn.	Wt. Ctn.
EL-251-8	2½" 2.51" OD x 8" LONG		
EL-251-12	2½" 2.51" OD x 12" LONG		
EL-287	2½" IPS	24	46
EL-287-12	2½" IPS x 12" LONG		
EL-305	3" SiDR 9		
EL-350	3" IPS	18	38
EL-350-8	3" IPS x 8" LONG	9	26
EL-350-12	3" IPS x 12" LONG	9	36
ELR-350	3" REPAIR NO MIDDLE STOP	18	40
EL-364	3" SiDR 11.5		
EL-400	4" IPS	12	34
EL-400-8	4" IPS x 8" LONG	12	41
EL-400-12	4" IPS x 12" LONG	6	34
ELR-400	4" REPAIR NO MIDDLE STOP	12	34
ELR-400-8	4" REPAIR NO MIDDLE STOP x 8" LNG	12	41
EL-421	4" SDR35	12	
EL-435	4" 4.35" OD C DUCT	12	35
EL-435-8	4" 4.35" OD C DUCT x 8" LONG	10	40
EL-471	4" SiDR 11.5 ASTM D2239	12	27
EL-471-12	4" SiDR 11.5 ASTM D2239 x 12" LNG	10	54
EL-476	4" SiDR 11.5	12	26
EL-476-8	4" SiDR 11.5 x 8" LONG	12	34
EL-476-12	4" SiDR 11.5 x 12" LONG	6	26
EL-497	4.97" OD	8	52
EL-500	5" IPS	16	54
EL-500-8	5" IPS x 8" LONG	8	36
EL-500-12	5" IPS x 12" LONG	8	51
EL-600	6" IPS	12	43
EL-600-8	6" IPS x 8" LONG	6	30
EL-600-12	6" IPS x 12" LONG	6	40
ELR-600	6" REPAIR NO MIDDLE STOP	12	40
ELR-600-8	6" REPAIR NO MIDDLE STOP x 8" LNG	6	28
EL-703	6" SiDR 13.5 7.03" OD		
EL-709	6" SiDR 13.5 7.09" OD		
EL-718-12	6" SiDR 11.5 x 12" LONG		
EL-800-8	8" IPS 8" LONG	2	22
EL-800-12	8" IPS x 12" LONG	2	33

E-LOC® TRANSITION COUPLING



The E-Loc® Transition Coupling is a compression coupling used to provide a watertight / airtight connection for different diameter duct in buried or restrained applications. The E-Loc® Transition Coupling has all the great features as the standard E-Loc® Coupling including the ability to join dissimilar materials such as PVC, HDPE, fiberglass, or metal.

The E-Loc® Transition Coupling is watertight to 200 psi when restrained on smooth wall, ribbed, and corrugated duct. Custom lengths and transitions are also available.

[Return to Contents](#)



E-LOC[®] TRANSITION			
Part No.	Description	PCS	WT
ELA-084050	1/2" IPS TO 1/2"		
ELA-084062	1/2" IPS TO .620"		
ELA-086084	.086" TO .084"		
ELA-105050	3/4" IPS TO 1/2"		
ELA-105084	3/4" IPS TO 1/2" IPS		
ELA-131105	1" IPS TO 3/4" IPS	50	50
ELA-131123	1" IPS TO 1.23"	50	48
ELA-135131	1.35" TO 1" IPS		
ELA-150131	1 1/2" TO 1" IPS		
ELA-154131	1.54" TO 1" IPS	50	44
ELA-154131R	1.54" TO 1" IPS RIBBED		
ELA-154142	1.54" TO 1.42"		
ELA-157123	1.57" TO 1.23"		
ELA-157140	1.57" TO 1.40" CORRUGATED	50	42
ELA-160150	1.60" TO 1 1/2"		
ELA-166105	1 1/4" IPS TO 3/4" IPS	25/50	30/41
ELA-166116	1 1/4" TO 1" EMT		
ELA-166123	1 1/4" IPS TO 1.23"	50	42
ELA-166131	1 1/4" IPS TO 1" IPS	50	41
ELA-166137	1 1/4" IPS TO 1.37"	50	42
ELA-166140	1 1/4" IPS TO 1.40"		
ELA-166150	1 1/4" IPS TO 1 1/2"	50	63
ELA-166154	1 1/4" IPS TO 1.54"	50	41
ELA-166158	1 1/4" IPS TO 1.58"	50	36
ELA-166160	1 1/4" IPS TO 1.60"	50	37
ELA-177154	1.77" TO 1.54"		
ELA-183166	1.83" TO 1 1/4" IPS	25	33
ELA-190105	1 1/2" IPS TO 3/4" IPS	25	35
ELA-190131	1 1/2" IPS TO 1" IPS	25	34
ELA-190154R	1 1/2" IPS TO 1.54" RIBBED		
ELA-190157	1 1/2" IPS TO 1.57"		
ELA-190157R	1 1/2" IPS TO 1.57" RIBBED		
ELA-190160	1 1/2" IPS TO 1.60"		



E-LOC® TRANSITION continued			
Part No.	Description	PCS	WT
ELA-190160R	1½" IPS TO 1.60" RIBBED		
ELA-190166	1½" IPS TO 1¼" IPS	25	30
ELA-190175	1½" IPS TO 1.75"		
ELA-235183	2.35" TO 1.83"		
ELA-237105	2" IPS TO ¾" IPS		
ELA-237131	2" IPS TO 1" IPS	25	52
ELA-237154	2" IPS TO 1.54"		
ELA-237166	2" IPS TO 1¼" IPS	25	48
ELA-237175	2" TO 1.75"		
ELA-237190	2" IPS TO 1½" IPS	25	47
ELA-237220	2" TO 2" EMT	25	44
ELA-237225	2" IPS TO 2" DB2(CAN)	25	26
ELA-243237	2.43" TO 2" IPS	25	41
ELA-251237	2.51" TO 2" IPS		
ELA-287237	2½" IPS TO 2" IPS	24	25
ELA-350190	3" IPS TO 1½" IPS		
ELA-350237	3" IPS TO 2" IPS	18	52
ELA-350243	3" IPS TO 2.43"	18	53
ELA-350287	3" IPS TO 2½" IPS	18	45
ELA-350287-8	3" IPS TO 2½" IPS X 8" LONG		
ELA-350287-12	3" IPS TO 2½" IPS X 12" LNG		
ELA-364350	3.64" TO 3" IPS		
ELA-421350	4.21" TO 3" IPS	12	38
ELA-435237	4.35" C DUCT TO 2" IPS	10	56
ELA-435350	4.35" C DUCT TO 3" IPS	10	38
ELA-450166	4" IPS TO 1¼" IPS		
ELA-4502197	4" TO 2.197"		
ELA-450237	4" IPS TO 2" IPS	12	55
ELA-450237-8	4" IPS TO 2" IPS X 8" LONG		
ELA-450237-12	4" IPS TO 2" IPS X 12" LONG		
ELA-450287	4" IPS TO 2½" IPS		
ELA-450350	4" IPS TO 3" IPS	10/12	37/44
ELA-450400	4" IPS TO 4.00"	12	38
ELA-450421	4" IPS TO 4.21"	12	35
ELA-450421-12	4" IPS TO 4.21" X 12" LONG		
ELA-450421-14	4" IPS TO 4.21" X 14" LONG		



E-LOC® TRANSITION continued			
Part No.	Description	PCS	WT
ELA-450435	4" IPS TO 4.35" C DUCT	12	35
ELA-450435-8	4" IPS TO 4.35" C DUCT X 8" LONG		
ELA-450435-12	4" IPS TO 4.35" C DUCT X 12" LONG	6	33
ELA-450435-18	4" IPS TO 4.35" X 18" LONG		
ELA-471435	4" SiDR TO 4.35" C DUCT		
ELA-471450	4" SiDR TO 4" IPS	12	30
ELA-476400	4" SiDR TO 4.00"		
ELA-476350-8	4" SiDR TO 3" IPS X 8" LONG		
ELA-476435	4" SiDR TO 4.35"	12	30
ELA-476435-8	4" SiDR TO 4.35" X 8" LONG	12	40
ELA-476435-12	4" SiDR TO 4.35" X 12" LONG		
ELA-476450	4" SiDR TO 4" IPS	12	29
ELA-476450-8	4" SiDR TO 4" IPS X 8" LONG	12	38
ELA-476450-12	4" SiDR TO 4" IPS X 12" LONG	6	30
ELA-492450	4.92" TO 4" IPS	10	23
ELA-556350	5" IPS TO 3" IPS	5	32
ELA-556435	5" IPS TO 4.35"	6	30
ELA-556450	5" IPS TO 4" IPS	10	42
ELA-556450-12	5" IPS TO 4" IPS X 12" LONG	5	47
ELA-662450	6" IPS TO 4" IPS	6	40
ELA-662556	6" IPS TO 5" IPS	6	35
ELA-662556-12	6" IPS TO 5" IPS X 12" LONG	5	52
ELA-690662-12	6.90" TO 6" IPS X 12" LONG	6	37
ELA-700662	7.00" TO 6" IPS	8	46
ELA-700662-12	7.00" TO 6" IPS X 12" LONG	2	23
ELA-702662	7.02" TO 6" IPS	4	22
ELA-718662-12	7.18" TO 6" IPS X 12" LONG	4	42
ELA-862556-12	8" IPS TO 5" IPS X 12" LONG	2	54
ELA-862662-12	8" IPS TO 6" IPS X 12" LONG		

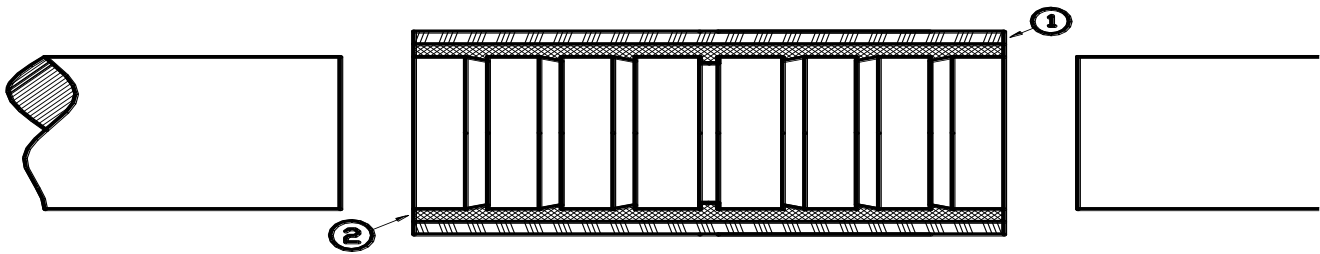
[Return to Contents](#)



INSTALLATION INSTRUCTIONS FOR E-LOC® COUPLINGS / E-LOC® TRANSITION COUPLINGS

1. Check and make sure size of coupling is same as conduit being installed. E-Loc Couplings / Transition Couplings are based on standard O.D. sizes.
2. Wipe ends of conduit clean. Make sure it is clean of burrs, dirt, or foreign material.
3. To insure the coupling is fully inserted, place a reference point mark on both ends of the conduit a distance from the end equal to $\frac{1}{2}$ the overall length of the coupling. For example, if using a 6" long coupling, place a mark 3" from each end of the conduit; on 8" long couplings, place a mark 4" from each end and so forth depending upon length of the coupling. When properly installed, the mark should be visible against each end of the coupling.
4. The ends of the conduit can be lubricated with water or water with a small amount of liquid dishwashing soap. ***(Do not use motor oil or thread lubricants commonly used for metal pipe threads. This includes W-D 40® "type" lubricant.)***
5. On smaller diameter conduit, position coupling on the conduit, place a board across the end and hit with a small mallet or hammer. For easier installation of the E-LOC Transition Couplings, ETCO suggests installing the larger end of the conduit first – if possible. (Do not hit the coupling directly with the hammer.) On larger diameter conduit, clean and lubricate ends per steps #1 thru #4. Use a bar and a block to push the joint. If a hammer and block of wood are used, make sure wood is in contact with both sides of the coupling and hit block center. (Do not hit the coupling directly with the hammer.) Check to make sure conduit is all the way "home" using the reference point mark.
6. When joining conduit off a reel, install the E-Loc Coupling / Transition Coupling on conduit end coming from reel using steps #1 thru #5 above. After the coupling is on properly, push the installed coupling onto the clean second conduit end (lubricate if needed). If necessary, place a small board on the edge of coupling toward the reel and drive coupling on to second conduit. (Do not hit coupling directly with the hammer.)

UTILITY CONDUIT JOINTING SYSTEM E-LOC® COUPLINGS*



(Cross Section)

Material Specifications:

1. PVC sleeve stock conforms to NEMA TC2, TC6 & TC8 and ASTM F-512.
The sleeve stock is rated for 90° C.
2. Polyurethane elastomer is ETCO 8706 thermosetting elastomer manufactured for sealing rings and gasket material.

Specifications:

Color.....	Black
Hardness (ASTM-D-676).....	68 Shore A
Tensile (ASTM-D-412).....	800 psi
Tear (ASTM-D-624 Die "C").....	188 pli
Elongation (ASTM-D-412).....	160%
Specific Gravity (ASTM-D-792).....	1.24
Compression Modulus – 10% (ASTM-D-575).....	212-220 psi

*U. S. Patent No. 5,180,197

E-LOC® PLUS COUPLING



E-LOC® Plus Couplings are designed to have more pull out resistance than regular E-locs.

You must have room to tighten the set screws at each end of the coupler.

They are designed for .140" or thicker wall conduit.

Please see Double E-loc® s that provide maximum pull out for ½" - 4" sizes.

Standard coupling length is 6" unless noted otherwise.

[Return to Contents](#)



E-LOC® PLUS			
Part No.	Description	Per Ctn.	Wt. Ctn.
EL-105 PLUS	¾" 2 SCREWS		
EL-112 PLUS	1.12" 2 SCREWS		
EL-131 PLUS	1" 4 SCREWS	20	34
EL-166 PLUS	1¼" 4 SCREWS	25/50	19/37
EL-190 PLUS	1½" 4 SCREWS	25	30
EL-209 PLUS	2" SiDR 7 4 SCREWS		
EL-235 PLUS	2.35" 4 SCREWS		
EL-237 PLUS	2" 4 SCREWS	25	42
EL-243 PLUS	2" SiDR 11 4 SCREWS		
EL-287 PLUS	2½" 4 SCREWS	25	49
EL-350 PLUS	3" 8 SCREWS	11/14	24/30
EL-400 PLUS	4" 8 SCREWS	10	27
EL-400-8 PLUS	4" x 8" LONG 8 SCREWS	5	22
EL-400-12 PLUS	4" x 12" LONG 8 SCREWS	5	27
EL-476 PLUS	4" 8 SCREWS	10	22
EL-476-8 PLUS	4" x 8" LONG 8 SCREWS		
EL-476-12 PLUS	4" x 12" LONG 8 SCREWS		
EL-500 PLUS	5" 8 SCREWS	10	
EL-500-12 PLUS	5" x 12" 8 SCREWS		
EL-600 PLUS	6" 8 SCREWS	10	
EL-600-8 PLUS	6" x 8" LONG 8 SCREWS		
EL-600-12 PLUS	6" x 12" LONG 8 SCREWS	6	44
EL-703 PLUS	7.03" 8 SCREWS		
E-LOC® PLUS TRANSITIONS			
ELA-209190 PLUS	2.09" to 1.90" SCREWS		
ELA-235150SP PLUS	2.35" SCREWS to 1.50" NO SCREW		
ELA-237235S PLUS	2" to 2.35" SCREWS		
ELA-287237S-12 PLUS	2½" to 2" x 12" LONG SCREWS		
ELA-450435 PLUS	4" to 4" C DUCT SCREWS		
ELA-476450 PLUS	4" SiDR to 4" SCREWS	10	25

SPLIT-LOC COUPLING



The Split-Loc is a one-piece split coupling, designed to facilitate fast and easy repair of damaged conduit in tight or congested conditions.

Can be used to repair vacant or occupied ducts - Its design allows overlay compression that grips the damaged conduit and seals watertight and airtight without the use of sealing adhesives!

Split-Loc's have the ability to join dissimilar materials, such as PVC, HDPE, fiberglass or metal, which makes it a versatile coupling for the telephone, electrical, and cable industry.

Perfect for all restrained (buried) and unrestrained repair applications where pulling tensions do not exceed 200 lbs.

SPLIT-LOCS			
Part No.	Description	Per Ctn.	Wt. Ctn.
SL-105	¾" IPS	50	16
SL-131	1" IPS		
SL-131-131EXP-12	1" IPS x 12" LONG		
SL-148	SiDR 1.48" OD		
SL-154	1.54" OD		
SL-157	1.57" OD	25	21
SL-157-157EXP-12	1.57" x 12" LONG		
SL-166	1 1/4" IPS	25	19
SL-166-12	1¼" x 12" LONG	6/10	10/15
SL-190	1 1/2" IPS	20/25	24/29
SL-237	2" IPS	20	32
SL-237-12	2" x 12" LONG	15	45
SL-237-237EXP-12	2" x 12" LONG		
SL-287	2 1/2" IPS		
SL-350	3" IPS	12/16	25/35
SL-350-8	3" x 8" LONG		
SL-350-12	3" x 12" LONG		
SL-400	4" IPS	10/12	29/36
SL-400-12	4" x 12" LONG	6	34
SL-500	5" IPS	16	54
SL-500-8	5" x 8" LONG		
SL-500-12	5" x 12" LONG		
SL-600	6" LONG	12	48
SL-600-8	6" x 8" LONG		
SL-600-12	6" x 12" LONG		
SL-166131	1¼" to 1"		
SL-190166	1½" to 1¼"		
SL-237166	2" to 1¼"	20	38
SL-263237	2" CAN to 2"		
SL-450350	4" to 3"		
SL-471C450	4.71 COR to 4"	12	33

DOUBLE E-LOC® COUPLING



The ETCO Double E-Loc® is a locking compression coupling used to join smooth, ribbed, corrugated, or Figure 8 High Density Polyethylene conduit.

The locking, pressure-tight design makes the Double E-Loc® an ideal coupling for pneumatic cable placing applications when air and watertight integrity of the system is imperative.

Unmatched pressure ratings, pull-out resistance, no metal parts, and no special tools make the ETCO Double E-Loc® the preferred coupling.

Lock rings specifically designed to grip rigid PVC and steel pipe are also available.

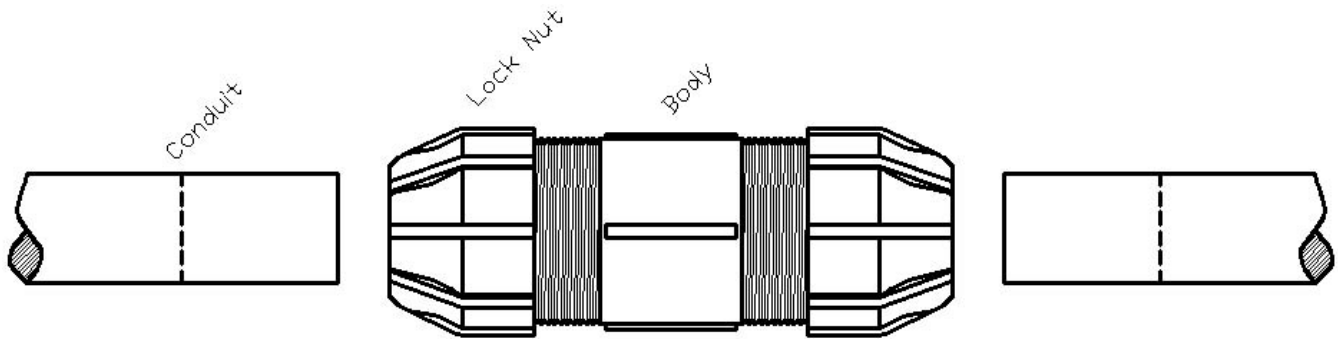
DOUBLE E-LOC®			
Part No.	Description	Per Ctn.	Wt. Ctn.
DEL-084	½" IPS	100	18
DEL-084-GLR	½" IPS w/1 grit loc for Rigid	100	18
DEL-105	¾" IPS	100	32
DEL-105-GLR	¾" IPS w/1 grit loc for Rigid	100	32
DEL-126	1" SiDR 11.5	50	59
DEL-131	1" IPS	50	26
DEL-131-GLR	1" IPS w/1 grit loc for Rigid	50	26
DEL-131UV	1" AERIAL	50	26
DEL-135	1" SiDR 7	50	63
DEL-142	1.46" OD RIBBED	50	61
DEL-150	1½" TRU SIDR 9	50	56
DEL-150UV	1½" AERIAL	50	56
DEL-154	1¼" 1.54" OD RIBBED	50	58
DEL-154UV	1 ¼" 1.54 OD AERIAL	50	58
DEL-157	40 MM	50	56
DEL-160	1.60" OD	50	56
DEL-160UV	1.60" AERIAL	50	56
DEL-166	1¼" IPS	50	48
DEL-166-GLR	1¼" IPS w/1 grit loc for Rigid	50	48
DEL-166UV	1¼" AERIAL	50	53
DEL-171	1¼" SIDR 9	50	54
DEL-178	1 ¼" SiDR 7 1.78 OD	25	47
DEL-178UV	1 ¼" SiDR 7 1.78 OD AERIAL	25	47
DEL-183	1½" SIDR 9	25	46
DEL-190	1½" IPS	25	32
DEL-190-GLR	1½" IPS w/1 grit loc for Rigid	25	32
DEL-190UV	1½" AERIAL	25	32
DEL-237	2" IPS	25	51
DEL-237-GLR	2" IPS w/1 grit loc for Rigid	25	51
DEL-237UV	2" AERIAL	25	51
DEL-251	2½" 2.51" OD	20	
DEL-287	2½" IPS	20	47
DEL-287-GLR	2½" IPS w/1 grit loc for Rigid	20	47
DEL-350	3" IPS	15	43
DEL-350-GLR	3" IPS w/1 grit loc for Rigid	15	43
DEL-450	4" IPS	10	37
DEL-450-GLR	4" IPS w/1 grit loc for Rigid	10	37


**INDIVIDUAL GRIT-LOC FOR
USE WITH RIGID CONDUIT**

GRIT LOC RING	Description
GLR-084	½" IPS grit loc for Rigid
GLR-105	¾" IPS grit loc for Rigid
GLR-131	1" IPS grit loc for Rigid
GLR-166	1¼" IPS grit loc for Rigid
GLR-190	1½" IPS grit loc for Rigid
GLR-237	2" IPS grit loc for Rigid
GLR-287	2½" IPS grit loc for Rigid
GLR-350	3" IPS grit loc for Rigid
GLR-450	4" IPS grit loc for Rigid

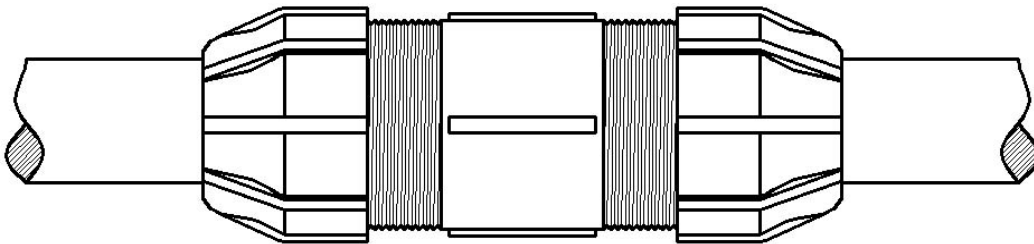
DOUBLE E-LOC® TRANSITIONS			
Part No.	Description	PCS	WT
DEL-142131	1.42" to 1" IPS	50	
DEL-154131	1.54" to 1" IPS	50	
DEL-154150	1.54" to 1.50"	50	58
*DEL-154150UV	1.54"UV to 1.50"UV AERIAL	50	
DEL-160135	1.60" to 1.35"	50	
DEL-160150	1.60" to 1.50"	50	
DEL-160154	1.60" to 1.54"	50	59
DEL-166131	1¼" IPS to 1" IPS	50	26
DEL-166135	1¼" IPS to 1.35"	50	
DEL-166142	1¼" IPS to 1.42"	50	
DEL-166150	1¼"IPS to 1½ T SIDR 9	50	53
*DEL-166150UV	1¼"IPS to 1½ T SIDR 9 AERIAL	50	53
DEL-166154	1¼" IPS to 1.54"	50	56
*DEL-166154UV	1¼" IPS to 1.54"AERIAL	50	56
*DEL-166156UV	1¼" IPS to 1.56"AERIAL	50	
DEL-166157	1¼" IPS to 1.57"	50	
DEL-166160	1¼" IPS to 1.60"	50	55
DEL-178150	1.78" to 1.50"	25	
DEL-190131	1½" IPS to 1" IPS	25	
DEL-190154	1½" IPS to 1.54"	25	
DEL-190166	1½" IPS to 1¼" IPS	25	33
DEL-190178	1½" IPS to 1.78"	25	
DEL-237131	2" IPS to 1" IPS	25	
DEL-237154	2" IPS to 1.54"	25	
DEL-237166	2" IPS to 1¼" IPS	25	
DEL-237190	2" IPS to 1½" IPS	25	75
DEL-287237	2½" IPS to 2" IPS	10	29
DEL-350287	3" IPS to 2½" IPS	10	34
DEL-450350	4" IPS to 3" IPS	10	

INSTALLATION INSTRUCTIONS DOUBLE E-LOC® COUPLINGS

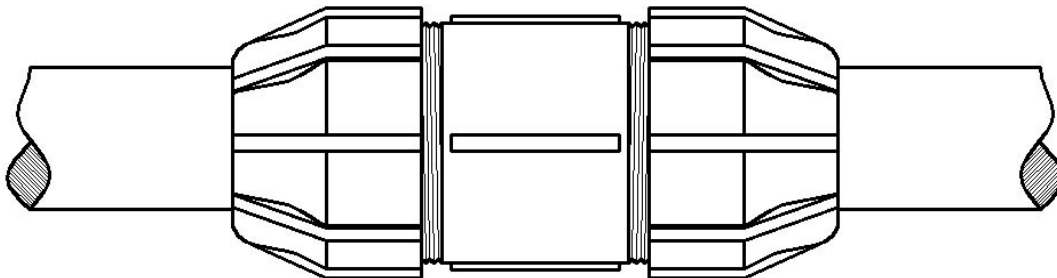


3 $\frac{1}{8}$ " Mark (for 1" to 1 $\frac{1}{4}$ " Double E-Loc)
 3 $\frac{3}{8}$ " Mark (for 1 $\frac{1}{2}$ " Double E-Loc)
 3 $\frac{7}{8}$ " Mark (for 2" Double E-Loc)
 (Typical)

Loosen Lock Nuts until 1" of thread is visible on each side of body. Mark each conduit 3 $\frac{1}{8}$ " from the end (for 1" to 1 $\frac{1}{4}$ " sizes), 3 $\frac{3}{8}$ " from the end (for 1 $\frac{1}{2}$ " sizes) or 3 $\frac{7}{8}$ " from the end (for 2" sizes)



Push conduit into each end of Double E-Loc coupling body making sure the conduit is tight against the center stop.



Tighten lock nut on each end of body hand tight.

CLEAR DOUBLE E-LOC®



The Clear-Loc® coupling is designed for easy application and allows quick installation in all types of situations, especially where tight installation conditions exist. The coupling is designed without a center stop, and the clear body allows for visual verification that the innerducts are centered and properly aligned. It is airtight and will hold air pressures of 150 psi when installed properly.

CLEAR DOUBLE E-LOC®			
Part No.	Description	PCS	WT
CDEL-131 RED	1" COUPLER W/LOCK RING AND NUT	50	22
CDEL-150 BROWN	1¼" VER COUPLER W/LOCK RING & NUT	50	29
CDEL-166 ORANGE	1¼" COUPLER W/LOCK RING AND NUT	50	33
CDEL-190 BLUE	1½" COUPLER W/LOCK RING AND NUT	25	22
CDEL-237 BLACK	2" COUPLER W/LOCK RING AND NUT	25	34

MPT – MSW TRANSITION COUPLER

E-LOC® MALE PIPE THREAD			
Part No.	Description	PCS	WT
ELA-084-.500MPT	½" IPS TO ½" MPT	100	
ELA-105-.750MPT	¾" IPS TO ¾" MPT	100	20
ELA-131-1.00MPT	1" IPS TO 1" MPT	50	15
ELA-166-1.25MPT	1¼" IPS TO 1¼" MPT	50	23
ELA-190-1.50MPT	1½" IPS TO 1½" MPT	25	
ELA-237-2.00MPT	2" IPS TO 2" MPT	25	
ELA-287-2.50MPT	2½" IPS TO 2½" MPT		
ELA-350-3.00MPT	3" IPS TO 3" MPT		
ELA-450-4.00MPT	4" IPS TO 4" MPT		
ELA-662-6.00MPT	6" IPS TO 6" MPT		
DOUBLE E-LOC® MALE PIPE THREAD			
DEL-084-.500MPT	½" IPS TO ½" MPT	100	
DEL-105-.750MPT	¾" IPS TO ¾" MPT	100	
DEL-131-1.00MPT	1" IPS TO 1" MPT	50	17
DEL-166-1.25MPT	1¼" IPS TO 1¼" MPT	50	29
DEL-190-1.50MPT	1½" IPS TO 1½" MPT	25	19
DEL-237-2.00MPT	2" IPS TO 2" MPT	25	27
E-LOC® MALE SOLVENT WELD			
ELA-084-.500MSW	½" IPS TO ½" MSW	100	
ELA-105-.750MSW	¾" IPS TO ¾" MSW	100	
ELA-131-1.00MSW	1" IPS TO 1" MSW	50	
ELA-166-1.25MSW	1¼" IPS TO 1¼" MSW	50	23
ELA-190-1.50MSW	1½" IPS TO 1½" MSW	25	
ELA-237-2.00MSW	2" IPS TO 2" MSW	25	
DOUBLE E-LOC® MALE SOLVENT WELD			
DEL-084-.500MSW	½" IPS TO ½" MSW	100	
DEL-105-.750MSW	¾" IPS TO ¾" MSW	100	
DEL-131-1.00MSW	1" IPS TO 1" MSW	50	
DEL-166-1.25MSW	1¼" IPS TO 1¼" MSW	50	23
DEL-190-1.50MSW	1½" IPS TO 1½" MSW	25	
DEL-190-2.00MSW	1½" IPS TO 2" MSW	25	
DEL-237-2.00MSW	2" IPS TO 2" MSW	25	
DEL-237-2.50MSW	2" IPS TO 2½" MSW	25	
FEMALE TRANSITION ADAPTERS			
ELA-237-1.00FPT	2" IPS TO 1" FPT		
ELA-237-2.00FSW	2" IPS TO 2" FSW		
DEL-350-3.00FPT	3" IPS TO 3" FPT		



E-LOC® STYLE



DOUBLE E-LOC® STYLE

These Couplers are made to transition from PVC, HDPE, Fiberglass or Metal Pipe or Conduit to Male Solvent Weld or Male Pipe Thread.

If you are not blowing fiber, the E-Loc® style works great.

If you are blowing fiber then the Double E-Loc® style gives the extra pulling strength needed to continue to give a water-tight/air-tight seal.

T-LOC COUPLING



The T-Loc compression coupling is designed to join various toneable HDPE innerduct, specifically for pneumatic cable placing when air and watertight integrity of the system is imperative.

The T-Loc coupling will maintain pressures above 200 psi unrestrained. The coupling has a center-threaded body extension with 1" NPT threads and a terminating cap. Threaded 1" NPT pipe extensions can be added to allow for above ground conductor connections or terminations and for toning access.

T-LOC COUPLING			
ETCO PART NUMBER	DESCRIPTION	PCS/CTN	WT/CTN
TLC-131	1" T-LOC	50	55
TLC-154	1¼" FOR 1.54" OD T-LOC	50	50
TLC-166	1¼" T-LOC	50	46
TLC-190	1½" T-LOC	25	31
TLC-237	2" T-LOC	25	47
EXP-131	1" NIPPLE FOR T-LOC COUPLER	50/250/ 300	10/39/43



T- LOC Compression Coupling Data Sheet

Product Description

The T - LOC compression coupling is designed to join various toneable HDPE innerduct, specifically for pneumatic cable placing when air and watertight integrity of the system is imperative. THE T-LOC coupling will maintain pressures above 200 psi unrestrained. The coupling has a center-threaded body extension with 1" NPT threads and a terminating cap. Threaded 1" NPT pipe extensions can be added to allow for above ground conductor connections or terminations and for toning access.

Product Applications *

Accommodates joining toneable HDPE innerduct in vaults, manholes, handholds and buried applications. Highly recommended for use in corrosive environments that adversely affect aluminum couplings.

The T - LOC compression coupling is designed to protect the toneable conductor and accommodate access to the conductor when locating tone is required.

* Not for use in potable water systems or gas line applications.

Housing Material: Injection molded PVC

Conforming Standards: ASTM D1238, D638, D790, D256, D785, D648 and UL94

Gripping Ring: Injected Molded Acetal

Conforming Standards: ASTM D2240, D792, D648, D638, D790, D695 and D256

Locking Nut: Injection Molded PVC

Conforming Standards: ASTM D2240, D792, D648, D638, D790, D695 and D256

Elastomeric Seal: ETCO UR-8706 or ETCO UR-9408 Thermosetting Polyurethane

Conforming Standards: ASTM D676, ASTM D412, ASTM D624 Die "C", ASTM D792, ASTM D575 and meets or exceeds all material of ASTM C425

Applicable Standards Met *

Exceeds NEMA TC 2-1998, Section 5.4, Leakage of Joints

Exceeds NEMA TC 3-1999 Section 5.4, Bending

Exceeds NEMA TC 3-1999 Section 5.5, Axial Pull Test on Joints

Meets NEMA TC 2-1998, 6.1.3, Additional Markings, (All products are marked with permanent part number markings)

* Applications Standards Testing performed in-house

[Return to Contents](#)

T-CONE® PLUGS



The T-Cone® Plug is the industry leader in reusable duct plugs. Containing no metal parts, the T-Cone® provides a reliable seal against infiltration of debris, water or sewer gases. In blowout tests, the T-Cone® Plug has also been able to withstand 20 feet of head pressure.

The T-Cone®'s two-piece, threaded design, consisting of an expandable sealing gasket with a tapered polyolefin-mating plug, provides for easy installation and removal. The T-Cone® Plug is available in sizes ranging from 1" to 8" in diameter. Special sizes and configurations, including square gaskets, are also available. T-Cone® Plugs are also available with rope tie loops for tying off pull strings or ropes.

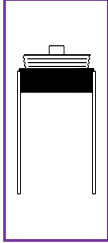
INSTALLATION INSTRUCTIONS FOR THE T-CONE® EXPANDABLE DUCT PLUG

Check the inside surface of the pipe or throat of fitting in the area that stopper will be placed. Make sure it is free of grease, dirt, pipe lube, or any other foreign material. On plastic pipe, solvent cleaner may be used to clean the inside surface.

Insert the stopper all the way into the opening and tighten. If the stopper turns without tightening, remove and tighten by hand until it fits snugly into the opening.

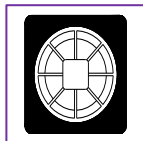
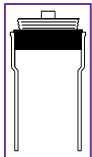
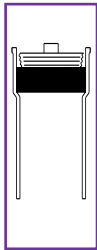
If necessary, after several uses, lubricate only the threads on the plug. Silicone lube, flax soap, petroleum jelly, or Teflon tape may be used. **DO NOT USE MOTOR OIL OR THREAD LUBRICANTS COMMONLY USED FOR METAL PIPE.**

Do not over tighten. On the smaller sizes (1" to 3") tighten until "hand tight" then use adjustable wrench and tighten one-half turn. On the 4" and larger sizes, it only requires about one-half to three-quarters of a turn after "hand tight".

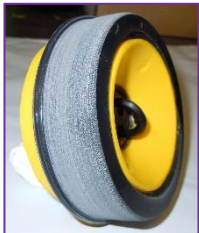


Size	T-CONE® FOR CONDUIT BARREL			
(Inches)	Part No.	Description	PCS	WT
1"	ST-102	SCH 40	50	3
	ST-103	DB-120	50	3
	ST-106	SCH 40 SOCKET	50	3
1-1/8"	ST-104	1-1/8" I.D. SOCKET	50	3
1-1/4"	ST-105	1-1/4" I.D. DUCT	50	4
	ST-125	SCH 40	50	3
1-1/2"	DB-120	DB60 / EB20	50/250	4/24
	ST-149	1.49" SOCKET	50	4
	ST-152	SCH 40	50/250	4/21
2"	EB-152	DB60 / EB20	50/250	5/26
	ST-201	SCH 80 / SDR11-SDR13.5	50	6
2-1/2"	ST-202	SCH 40	50/250	7/32
	ST-203	2.195" ID PIPE	50	7
	EB-220	DB60 / EB20	50/250	8/32
	ST-250	2.469" ID DUCT	50	9
3"	ST-275	2 1/2" (2.750")	50	
	ST-301	CAST IRON BAR. & SDR11-SDR13.5	50	12
	ST-302	SCH 40/SDR11-SDR13.5	50	12
3-1/2"	EB-320	EB20	50	17
	DB-360	DB60	50	16
	EB-350	IPS HUB 3 7/8"	50	25
	ST-352	3.500" ID DUCT	50	20
4"	ST-358	SDR-11	50	23
	ST-370	3.700" ID DUCT	50	23
	ST-375	SDR 13.5	50	22
	ST-381	3.810" ID DUCT	50	25
	ST-400	4.215" ID DUCT	50	25
	ST-401	SCH 80	50	26
	ST-402	SCH 40 & C DUCT	50	23
	ST-403	SDR 26	50	23
5"	ST-404	4" VCP BELL	50	36
	ST-415	3.856" ID DUCT	50	--
	ST-419	DB120	50	--
	EB-420	EB20/EMT	50	28
	ST-425	DB60 / GT80-DB / 5" SDR11	50	27
	ST-462	4.625" ID DUCT / 5" SDR13.5	50	--
	ST-475	SDR 13.5 (SCH 80)	50	38
5"	ST-502	SCH 40	50	33
	ST-542	5.420" ID DUCT	50	40

CON'T		EB-520	EB20	50	38
		DB-560	DB60	50	38
		ST-560	SDR-13.5	50	36
	6"	ST-600	6.275" ID DUCT	36	40
		ST-601	HDPE SMOOTH-COR/ SDR35	36	35
		ST-602	SCH 40	36	38
		ST-603	"NO BELL" VCP SLV	20	38
		ST-604	SCH 80 / SDR26	36	32
		ST-612	6.125" ID DUCT	36	--
		ST-650	6.50"		
		ST-695	6.963" ID DUCT	20	36
		EB-620	EB20	36	44
		DB-660	DB60	36	41
	7"	ST-706	7.060 ID DUCT"	20	38
		ST-750	7.50"		66
	8"	ST-802	SCH 40	20	45
		ST-840	FIBERGLASS		
		ST-9875	SCH 80 9.875"		
	8½"	ST-850	8.50"		
	Size	WITHOUT FLANGE CONDUIT HUB			
	(Inches)	Part No.	Description	PCS	WT
	1-1/4"	ST-166	IPS HUB	50	4
	2"	ST-237	IPS HUB	50	9
	3"	ST-300	IPS HUB	50	20
	3-1/2"	ST-350	IPS HUB	50	21
4"	ST-435	TEL DUCT HUB	50	28	
4"	ST-450	IPS HUB	50	30	
5"	ST-560	IPS HUB	50	36	
6"	ST-662	IPS HUB	36	49	
Size	WITH FLANGE CONDUIT HUB				
(Inches)	Part No.	Description	PCS	WT	
3"	SF-352	IPS HUB	50	20	
4"	SF-450	IPS HUB	50	35	
5"	SF-560	IPS HUB	50	36	
6"	SF-662	IPS HUB	36	53	
Size	SQUARE WITHOUT FLANGE				
(Inches)	Part No.	Description	PCS	WT	
2-1/2"	SQ-250	SQUARE DUCT	50	11	
3-1/4"	SQ-325	SQUARE DUCT	50	21	
3-1/2"	SQ-350	SQUARE DUCT	50	25	
4"	SQ-400	SQUARE DUCT	50	31	
4-1/4"	SQ-425	SQUARE DUCT	50	35	



Size	FLUSH MOUNT				
(Inches)	Part No.	Description	PCS	WT	
2"	CS-202	SCH 40 DWV	50	6	
	CS-220	2.255" EB20	50	8	
3"	CEB-320	3.378" EB20	50	17	
	CS-301	C.I. BARREL-SW	50	11	
	CS-302	SCH 40 DWV	50	12	
4"	CEB-350	3.500" HUB	50	18	
	CS-352	3" TEL DUCT	50	20	
	CS-401	SDR35	50	17	
	CS-402	SCH 40 DWV	50	22	
	CEB-420	4" EB20	50	34	
	CS-425	PVC DR-18	50	27	
	CS-450	4.500" HUB	50	31	
	CO-402	SCH 40 DWV	50	22	
	6"	CO-601	C.I. BARREL-SW	18	23
		CO-602	C.I. BARREL-EH	18	23
Size	T-CONE® FOR CONDUIT BARREL W/ROPE TIE				
(Inches)	Part No.	Description	PCS	WT	
1"	ST-102T	SCH 40	50	4	
	ST-103T	DB-120	50	4	
	ST-106T	SCH 40 SOCKET	50	4	
1-1/8"	ST-104T	1-1/8" I.D. SOCKET	50	4	
1-1/4"	ST-105T	1-1/4" I.D. DUCT	50	4	
	ST-125T	SCH 40	50	4	
	DB-120T	DB60 / EB20	50	5	
1-1/2"	ST-149T	1.49" SOCKET	50	4	
	ST-152T	SCH 40	50	5	
	EB-152T	DB60 / EB20	50	5	
2"	ST-201T	SCH 80	50	7	
	ST-202T	SCH 40	50	7	
	ST-203T	2.195" ID PIPE	50	8	
2 1/2"	EB-220T	DB60 / EB20	50	9	
	ST-250T	2.469" ID DUCT	50	10	
	3"	ST-301T	CAST IRON BARREL	50	12
ST-302T		SCH 40	50	13	
EB-320T		EB20	50	18	
3-1/2"	DB-360T	DB60	50	17	
	EB-350T	IPS HUB	50	18	



	Size	WITH FLANGE CONDUIT HUB W/ROPE TIE			
	(Inches)	Part No.	Description	PCS	WT
	3"	SF-352T	IPS HUB	50	21
	4"	SF-450T	IPS HUB	50	34
	5"	SF-560T	IPS HUB	50	38
	6"	SF-662T	IPS HUB	36	50
	Size	SQUARE WITHOUT FLANGE			
	(Inches)	Part No.	Description	PCS	WT
	2-1/2"	SQ-250T	SQUARE DUCT	50	11
	3-1/4"	SQ-325T	SQUARE DUCT	50	25
	3-1/2"	SQ-350T	SQUARE DUCT	50	25
	4"	SQ-400T	SQUARE DUCT	50	32
	4-1/4"	SQ-425T	SQUARE DUCT	50	37
	Size	FLUSH MOUNT W/COVER & SCREW			
	(Inches)	Part No.	Description	PCS	WT
3"	CS-301C	C.I. BARREL-SW	50	14	
	CS-302C	SCH 40 DWV	50	14	
4"	CO-402C	SCH 40 DWV	50	25	
6"	CO-601C	C.I. BARREL-SW	18	24	
	CO-602C	C.I. BARREL-EH	18	27	
Size	PLUG WITH EPOXY				
(Inches)	Part No.	Description	PCS	WT	
1 1/2"	EB-152E	DB60 / EB20 WITH EPOXY			
2"	EB-220E	DB60 / EB20 WITH EPOXY			
3"	EB-320E	EB20 WITH EPOXY			
3 1/2"	EB-350E	IPS HUB WITH EPOXY			
4"	EB-420E	EB20/EMT WITH EPOXY			
Size	SPECIAL MM T-CONE'S				
(Inches)	Part No.	Description	PCS	WT	
	ST-1186	118.6MM/4.670" BLACK	50	26	
	ST-1520	152.00MM/5.984" BLUE	36	34	
	ST-1902	190.2MM/7.500" BLACK	20	35	
Size	T-CONE® WRENCH				
(Inches)	Part No.	Description	PCS	WT	
	FM-106	1" THRU 6" WRENCH	--	--	
	FM-108	8" WRENCH	--	--	

FAST-LOC PLUGS



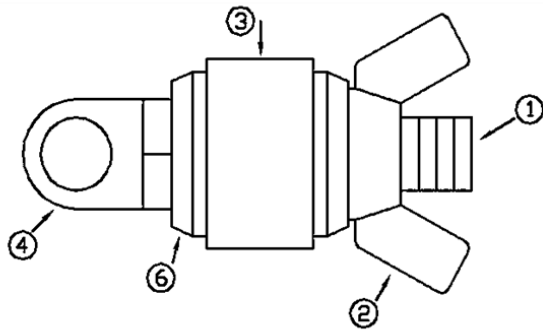
The ETCO Fast-Loc Plug is a mechanical expansion plug designed to seal the ID of conduit and pipe. The solid elastomeric gasket, produced using ETCO's specially formulated polyurethane, provides a pressure-tight and reusable seal for smooth, ribbed, or corrugated duct.

The Fast-Loc is available in two styles with either a wing nut or a loop nut for tightening.

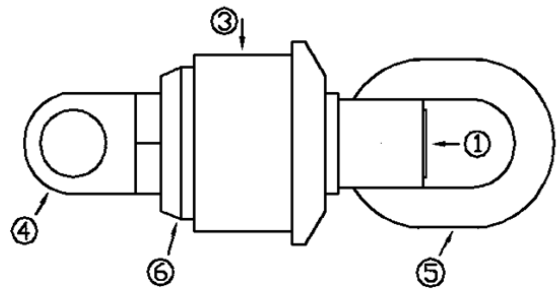
The Fast-Loc contains no metal parts. Sizes available range from $\frac{3}{4}$ " through 2". The wing nut plug can be purchased in Style "A" or "B". On style "A", the washer is flush with the gasket, so the plug stops at the wing nut as it is tightened into the conduit. On style "B", the washer is larger than the gasket, so the washer stops at the end of the conduit. The loop nut plug comes only in style "B".

FAST-LOC PLUGS

SMOOTH OR RIBBED INNERDUCT



WING NUT PLUG
STYLE "A" OR "B"



LOOP NUT PLUG
STYLE "B" ONLY

PRESSURE TIGHT AND REUSABLE

① ② ⑥ TYPE 6/6 NYLON (STUD, WASHERS, & WING NUTS). NYLON 6/6 MEETS MIL-M20693B "A" TYPE 1 LP41 OB AND ASTM D789-66 TYPE 1. DUPONT ZYTEL 101L NC010 OR EQUAL.

③ POLYURETHANE ELASTOMER SEALING GASKET MATERIAL: ETCO 9408 GREY OR BLACK

Specifications:

- Color.....Grey or Black
- Hardness.....50-55 Shore A
- Tensile.....405-415 psi
- Tear.....85-100 pli
- Ultimate Elongation.....450-500%
- Specific Gravity.....1.27

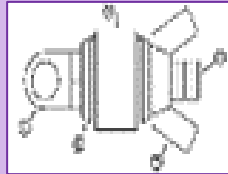
④ FULL ½ INCH ROPE TIE

⑤ PVC LOOP NUT – PVC INJECTION MOLDING GRADE (CELL CLASS LISTING 1245B) GEORGIA GULF 7063 OR EQUAL

WING NUT PLUGS
PART NUMBERS RP-0750 TO RP-2050
LOOP NUT PLUGS
PART NUMBERS RPL-0750 TO RPL-2050

FAST-LOC PLUGS

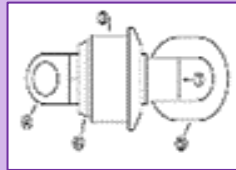
WING NUT STYLE



Part No.	Description	PCS	WT
RP-0750B	3/4" IPS SCH 80	50/250	3/15
RP-0820B	3/4" IPS SCH 40		
RP-0840 A or B	3/4" SDR 11 & 13.5	100	7
RP-1000 A or B	1" SDR 9	50/250	4/19
RP-1050 A or B	1" IPS SCH 40 & SDR 11	50	6
RP-1075 A or B	1" SDR 13.5		
RP-1125 A or B	1" SDR 15.5		
RP-1160 A or B	1-1/8" SDR 13.5		
RP-1200 A or B	1-1/8" SDR 15.5	50	6
RP-1250 A or B	1-1/4" IPS SCH 80	50/250	7/26
RP-1290 A or B	1-1/4" SDR 9	50/250	7/33
RP-1330 A or B	1-1/4" SDR 11	50/250	6/33
RP-1375 A or B	1-1/4" IPS SCH 40	50/500	6/60
RP-1400 A or B	1-1/4" SDR 13.5	50/250	6/36
RP-1420B	1-1/4" SDR 15.5		
RP-1460B	1-1/2" SDR 9		
RP-1510B	1-1/2" IPS SCH 80		
RP-1530B	1-1/2" SDR 11	50/250	6/42
RP-1580B	1-1/2" SDR 13.5	50/100/250	9/17/43
RP-1610B	1-1/2" IPS SCH 40		
RP-1820B	2" SDR 9	100	19
RP-1930B	2" SCH 80 & SDR 11	50/100	11/22
RP-2023B	2" SDR 13.5	50/100	12/22
RP-2050B	2" IPS SCH 40	100	

FAST-LOC PLUGS

LOOP NUT STYLE



Part No.	Description	PCS	WT
RPL-0750B	3/4" IPS SCH 80		
RPL-0820B	3/4" IPS SCH 40		
RPL-0840B	3/4" SDR 11 & 13.5	100/500	7/36
RPL-1000B	1" SDR 9	50	5
RPL-1050B	1" IPS SCH 40 & SDR 11	50/100	5/10
RPL-1075B	1" SDR 13.5	50	5
RPL-1125B	1" SDR 15.5		
RPL-1160B	1-1/8" SDR 13.5		
RPL-1200B	1-1/8" SDR 15.5		
RPL-1250B	1-1/4" IPS SCH 80	50/250	6/
RPL-1290B	1-1/4" SDR 9	50/250	6/30
RPL-1330B	1-1/4" SDR 11	50/250	9/36
RPL-1375B	1-1/4" IPS SCH 40	50	7
RPL-1400B	1-1/4" SDR 13.5	50/250	8/34
RPL-1420B	1-1/4" SDR 15.5		
RPL-1460B	1-1/2" SDR 9		
RPL-1510B	1-1/2" IPS SCH 80		
RPL-1530B	1-1/2" SDR 11	50/250	10/52
RPL-1580B	1-1/2" SDR 13.5	50	10
RPL-1610B	1-1/2" IPS SCH 40		
RPL-1820B	2" SDR 9	100	18
RPL-1930B	2" SCH 80 & SDR 11	100	19
RPL-2023B	2" SDR 13.5	50/100	12/24
RPL-2050B	2" IPS SCH 40	50/100	14/28

PUSH PLUGS

PUSH PLUGS - URETHANE CAST			
Part No.	Description	PCS	WT
CL-082-(S)	3/4" SCH 40		
CL-087-(S)	3/4" SDR 13.5		
CL-095-(S)	1" SCH 80		
CL-107-(S)	1" SDR 11		
CL-111-(S)	1" SDR 13.5		
CL-127-(S)	1-1/4" SDR 9		
CL-134-(S)	1-1/4" SDR 11 & SCH 40		
CL-141-(S)	1-1/4" SDR 13.5		
CL-155-(S)	1-1/2" SDR 11		
CL-159-(S)	1-1/2" SDR 13.5		
CL-187-(S)	2" W/.250" WALL		
CL-194-(S)	2" SDR 11 & SDR 13.5		
CL-207-(S)	2" SCH 40		
CL-247-(S)	2 1/2" SCH 40		
CL-2830-(S)	3" SCH 80 & SDR 11		
CL-299-(S)	3" SDR 13.5		
CL-307-(S)	3" SCH 40		
CL-325-(S)	4" SDR 7		
CL-350-(S)	4" SDR 9		
CL-358-(S)	4" SDR 11		
CL-380-(S)	4" SCH 80 & SDR 13.5		
CL-4026-(S)	4" SCH 40		
CL-504-(S)	5" SCH 40		
CL-542-(S)	6" SDR 11		
CL-606-(S)	6" SCH 40		

PLEASE SEE BELOW FOR IP STYLE PLUGS FOR THESE SIZES



PUSH PLUGS - INJECTION MOLDED			
Part No.	Description	PCS	WT
IP-0800(S)-XXX	3/4" SCH 40	100/500	4/
IP-0800-U	UNIVERSAL (ONION STYLE)	100/500	4/
IP-0840(S)-XXX	3/4" SDR 11	100/500	4/
IP-0840-U	UNIVERSAL (ONION STYLE)	100/500	4/
IP-0870(S)-XXX	3/4" SDR 13.5	100/500	4/
IP-0870-U	UNIVERSAL (ONION STYLE)	100/500	4/
IP-1000(S)-XXX	1" TRUE AND SIDR ODD SIZE	100/500	4/
IP-1000-U	UNIVERSAL (ONION STYLE)	100/500	4/
IP-1040(S)-XXX	1" SCH 40	100/500	5/22





PUSH PLUGS - INJECTION MOLDED (continued)			
Part No.	Description	PCS	WT
IP-1040-U	UNIVERSAL (ONION STYLE)	100/500	5/22
IP-1080(S)-XXX	1" SDR 11	100/500	5/22
IP-1080-U	UNIVERSAL (ONION STYLE)	100/500	5/22
IP-1120(S)-XXX	1" SDR 13.5	100/500	5/22
IP-1120-U	UNIVERSAL (ONION STYLE)	100/500	5/22
IP-1250(S)-XXX	1 1/4" TRUE AND SIDR ODD SIZE	100/500	5/27
IP-1250-U	UNIVERSAL (ONION STYLE)	100/500	5/27
IP-1300(S)-XXX	1 1/4" ODD SIZE BETWEEN ↑ & ↓	100/500	May-37
IP-1300-U	UNIVERSAL (ONION STYLE)	100/500	
IP-1340(S)-XXX	1 1/4" SDR 11	100/500	8/37
IP-1340-U	UNIVERSAL (ONION STYLE)	100/500	8/37
IP-1370(S)-XXX	1 1/4" SCH 40	100/500	7/38
IP-1370-U	UNIVERSAL (ONION STYLE)	100/500	8/39
IP-1405(S)-XXX	1 1/4" SDR 13.5	100/500	9/
IP-1405-U	UNIVERSAL (ONION STYLE)	100/500	9/
IP-1500(S)-XXX	1 1/2" TRUE AND SIDR ODD SIZE	100/500	9/
IP-1500-U	UNIVERSAL (ONION STYLE)	100/500	9/
IP-1535(S)-XXX	1 1/2" SDR 11	100/500	10/44
IP-1535-U	UNIVERSAL (ONION STYLE)	100/500	10/44
IP-1590(S)-XXX	1 1/2" SCH 40 & SDR 13.5	100	11/
IP-1590-U	UNIVERSAL (ONION STYLE)	100	11/
IP-1960(S)-XXX	2" SDR 11	100	14/
IP-1960-U	UNIVERSAL (ONION STYLE)	100	14/
IP-2010(S)-XXX	2" SDR 13.5	100	16/
IP-2010-U	UNIVERSAL (ONION STYLE)	100	16/
IP-2060(S)-XXX	2" SCH 40 AND TRUE	100	17/
IP-2060-U	UNIVERSAL (ONION STYLE)	100	17/
IP-2110(S)-XXX		100	
IP-2305(S)-XXX	2½" SCH 80	100	
IP-2445(S)-XXX	2½" SCH 40	100	
(S) IS FOR SPLIT -XXX NEED PIN SIZE FROM BELOW FOR THERE HOLE (U) IS FOR UNIVERSIAL .25" HOLE WITH RINGS CUT			



NOTE

(S) is used If the Plug needs to be split and then if a hole is needed for a cable. We need the cable size after the size of the plug.

For example, a cable size of .500" would be added as follows:

CL-134-500 for the Standard Plug

and

CL-134S-500 for the Split Plug

ALL SOLID PLUGS HAVE A .250 HOLE WITH A MEMBRANE/IF A .201-.250 HOLE IS REQ'D USE SOLID PLUG WON'T BE SPLIT						
PIN	RANGE	PIN	RANGE	RANGE	PIN	RANGE
175	.151-.175	400	.351-.400	.951-1.00	1.30	1.251-1.30
200	.176-.200	450	.401-.450	1.01-1.05	1.35	1.301-1.35
225	.201-.225	500	.451-.500	1.051-1.10	1.40	1.351-1.40
250	.226-.250	550	.501-.550	1.101-1.15	1.45	1.401-1.45
300	.251-.300	600	.551-.600	1.151-1.20		
350	.301-.350	650	.601-.650	1.201-1.25		



Distributed By  **READY Solutions & Services**



PUSH PLUG DATA & INSTALLATION SHEET

Product Description

Push Plugs are used to seal vacant or occupied ducts. They are made of ETCO Specialty Products 9408 Material with a 55-59 Shore A Hardness.

They are available in 1" thru 4" sizes (solid, split and with pre-sized cable openings) and should be custom ordered to assure exact OD & ID configurations for the customer's application.

They contain no metal parts.

Product Applications

ETCO's Push Plug applications are for long-term and temporary duct sealing. They are removable to allow future duct access.

When installed properly, ETCO's Push Plugs afford sediment infiltration protection, rodent control, and are gas and watertight under normal environmental conditions.

Installation Instructions

Verify that you are using the correct size Push Plug for duct and cable to be sealed properly (ID for duct & OD for cable).

Duct and cable must be clean and free of soils, foreign material, cable placing agents, etc.

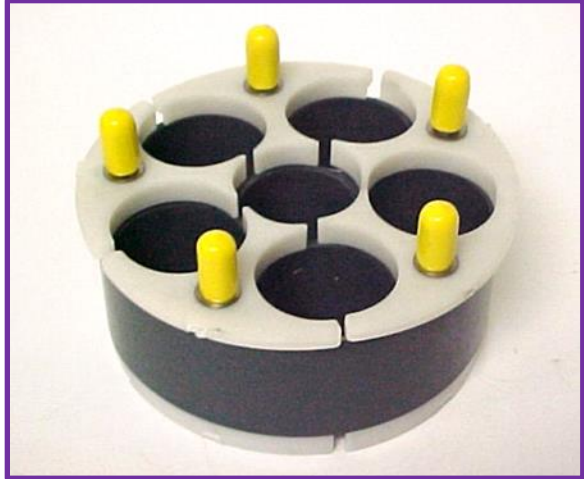
When sealing a duct with a cable, check cable for gouges or imbedded scratches within the surface area that will be sealed. If surface scratches or gouges exist, they must be removed (use a carding brush or shave hook, etc.) to eliminate a possible channel for gas or water to seep through the plugging surface.

Ducts must be clean, free of burrs and prepared as rounded as possible to maintain the stated duct ID, and to allow for 360 degree seating of the Push Plug outer flange.

Insert plug around cable or cables and evenly push into duct. Inspect to make sure the outer flange is firmly seated (360 degrees) against the duct circumference.

[Return to Contents](#)

MULTIPLEX DUCT-LOC PLUG



ETCO’s Multiplex Duct-Loc Plug is a Split, compression plug designed to organize and seal around existing cable or innerduct inside a round opening. An elastomeric gasket is compressed between squeeze plates made from high impact plastic or stainless steel plates using stainless steel hardware. The Multiplex Duct-Loc design enables quick installation and easy retrofitting in vaults, manholes, and cabinets.

PART NUMBER	DESCRIPTION
SZ-395-3166	Multiplex, 4" 3 way 1.660"
SZ-395-4131	Multiplex, 4" 4 way 1.315"
SZ-497-4166	Multiplex, 5" 4 way 1.660"
SZ-595-5190-1166	Multiplex, 6" 5 way 1.900" & 1 way 1.660"

This is only a partial listing of combinations available. Special configurations and sizes are available upon request. We can produce plugs to match the exact combination of cables, conduits, and openings required.

PIPE	ID	PART # START
2" SCH 40	2.067"	SZ-197-
2" SDR 11	1.943"	SZ-192-
2" SDR 13.5	2.023"	SZ-197-
2" SCH 80	1.939"	SZ-192-
GRC 3" SCH 40	3.068"	SZ-306-
3" SDR 11	2.864"	SZ-285-
3" SDR 13.5	2.982"	SZ-285-
3" SCH 80	2.900"	SZ-285-
4" SDR	3.38"	SZ-337-
GRC 4" SCH 40	4.026"	SZ-395/SZ-4026-
4" SDR 11	3.682"	SZ-363-
4" SDR 13.5	3.834"	SZ-374-
4" SCH 80	3.826"	SZ-374-
4" SDR 9	3.500"	SZ-350-

PIPE	ID	PART # START
5" SCH 40	5.046"	SZ-497-
5" SDR 11	4.550"	SZ-450-
5" SDR 13.5	4.738"	SZ-450-
5" SCH 80	4.812"	SZ-450-
6" SCH 40	6.065"	SZ-595/SZ-606-
6" SDR 11	5.421"	SZ-535-
6" SDR 13.5	5.643"	SZ-567-
6" SCH 80	5.761"	SZ-567-
8" SCH 40	7.981"	SZ-795-
8" SDR 11	7.057"	SZ-695-
8" SDR 13.5	7.347"	SZ-695-

MULTI-CAP® PUSH-ON CAPS



Simple installation is the key to these adaptable push-on style caps. The Multi-Cap® organizes cable in duct and provides a positive seal between conduit and cable. The step design allows for easy, identifiable cut locations for various size cables – .325" through 1" diameter. The flexible PVC material provides a weather-tight seal with good chemical resistance and weatherproof properties. The Multi-Cap® is currently available in the following sizes:

MULTI-CAPS®			
Part No.	Duct Size	Number of Fingers	Detail of Finger Diameter (I.D.) per Step
CA-050	1/2" - .750" OD	1	.250"
CA-075	3/4" - 1.05" OD	1	.500"
CA-075-2	3/4" - 1.05" OD	2-stepped	.350" - .250"
CA-100	1" - 1.315" OD	1	.500"
CA-100-1	1" - 1.315" OD		
CA-100-2	1" - 1.315" OD		
CA-125SIDR	1 1/4" - 1.546" OD	1 - stepped	.750" - .500"
CA-125	1 1/4" - 1.660" OD	1 - stepped	.750" - .500"
CA-125-1	1 1/4" - 1.660" OD		
CA-125-2	1 1/4" - 1.660" OD		
CA-150	1 1/2" - 1.900" OD	1 - stepped	1.000" - .500"
CA-150-1	1 1/2" - 1.900" OD	1 - stepped	.875" - .750" - .675" - .500"
CA-150-2	1 1/2" - 1.900" OD	2 - stepped	.625" - .500" - .375"
CA-200	2" - 2.375" OD	1 - stepped	1.000" - .500"
CA-200-1	2" - 2.375" OD	1 - stepped	1.00" - .875" - .750" - .625"
CA-200-2	2" - 2.375" OD	2 - stepped	.750" - .625" - .500"
CA-200-3	2" - 2.375" OD	3	(2) @ .525" - (1) @ .475"
CA-237	2" - 2.375" OD	flat cap	N/A - FLAT
CA-287	2 1/2" - 2.875" OD	1 - stepped	1.300" - 1.050" - .750" - .450"
CA-287-2	2 1/2" - 2.875" OD	2 - stepped	.875" - .750" - .625"
CA-287-HP	2 1/2" - 2.875" OD		W/HOLE PUNCH
CA-287-3	2 1/2" - 2.875" OD	3 - stepped	(2) @ .800" - .600" - .350" (1) @ .625" - .475" - .325"
CA-350	3" - 3.500" OD	1 - stepped	1.300" - 1.050" - .750" - .450"
CA-350-3	3" - 3.500" OD	3 - stepped	(2) @ .800" - .600" - .350" (1) @ .625" - .475" - .325"

QUICK SEAL TERMINATORS

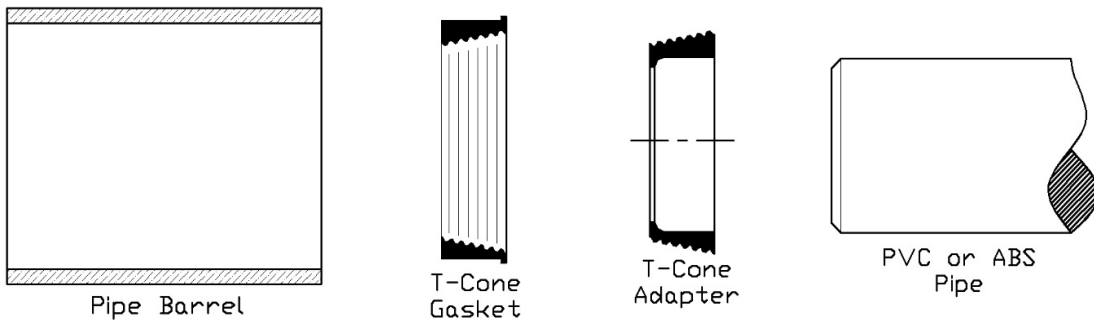


Quick Seal Terminators join fiber optic innerduct to assorted cabinets. Quick Seal Terminators incorporate the ETCO E-Loc features to create a weather resistant seal that protects the innerduct and cable from kinks and cabinet termination against environmental intrusions. Hand installation; no tools required.

QUICK SEAL TERMINAL ADAPTERS			
Part No.	Description	PCS	WT
E-LOC TERMINAL ADAPTERS W/LOCK RING			
ETA-084	½" IPS TO ½" MPT W/LOCK RING	100	
ETA-105	¾" IPS TO ¾" MPT W/LOCK RING	100	22
ETA-131	1" IPS TO 1" MPT W/LOCK RING	50	17
ETA-154	1.54" TO 1¼" MPT W/LOCK RING	50	
ETA-166	1" IPS TO 1¼" MPT W/LOCK RING	50	
ETA-190	1½" IPS TO 1½" MPT W/LOCK RING	25	
ETA-225	2.25"OD TO 2" MPT W/LOCK RING		
ETA-237	2" IPS TO 2" MPT W/LOCK RING	25	28
ETA-287	2½" IPS TO 2½" MPT W/LOCK RING		
ETA-350	3" IPS TO 3" MPT W/LOCK RING		
ETA-450	4" IPS TO 4" MPT W/LOCK RING		
DOUBLE E-LOC TERMINAL ADAPTERS W/LOCK RING			
DETA-084	½" IPS TO ½" MPT W/LOCK RING	100	
DETA-105	¾" IPS TO ¾" MPT W/LOCK RING	100	
DETA-131	1" IPS TO 1" MPT W/LOCK RING	50	29
DETA-166	1¼" IPS TO 1¼" MPT W/LOCK RING	50	30
DETA-190	1½" IPS TO 1½" MPT W/LOCK RING	25	
DETA-237	2" IPS TO 2" MPT W/LOCK RING	25	29
DETA-287	2½" IPS TO 2½" MPT W/LOCK RING		
DETA-350	3" IPS TO 3" MPT W/LOCK RING		
DETA-450	4" IPS TO 4" MPT W/LOCK RING		

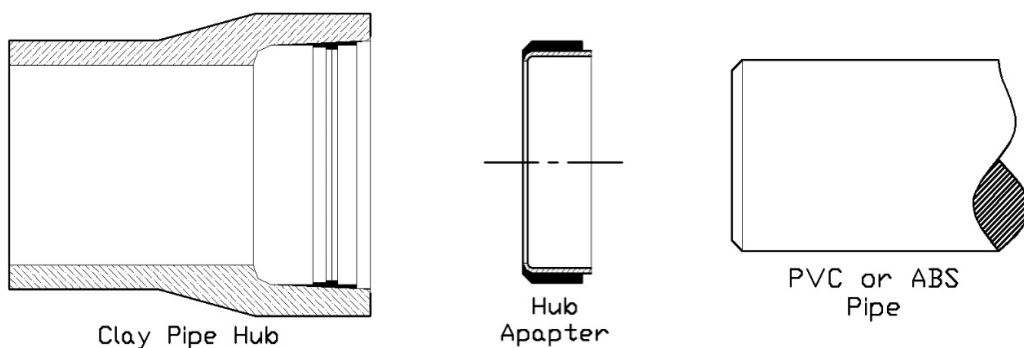
T-CONE® & COUPLING ADAPTERS

T-Cone Adapters



1. Clean T-Cone adapter socket and spigot with solvent cleaner or primer.
2. Solvent weld T-Cone adapter on pipe.
3. Allow solvent welded joint to reach full cure.
4. Place T-Cone gasket into barrel of pipe.
5. Screw T-Cone adapter ring and pipe into T-Cone gasket until "hand tight". Then tighten $\frac{3}{4}$ to one full turn with a strap wrench. Keep wrench at least 6 inches from the solvent welded joint on thin wall PVC sewer & drain pipe.

Clay Bell Adapters



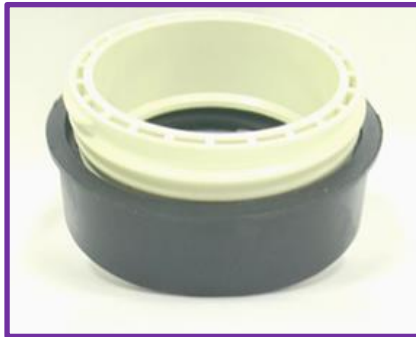
1. Clean hub adapter socket and spigot with solvent cleaner or primer.
2. Solvent weld the pipe into the socket of the adapter.
3. DO NOT ASSEMBLE into the clay bell or sleeve until the solvent welded joint has cured.

T-CONE VARIFIED CLAY PIPE BELL ADAPTERS



ETCO PART #	DESCRIPTION	PCS/ CTN	WT/ CTN
A-442	4" VC BELL TO 4" PVC-PSM	40	39
A-444	4" VC BELL TO 4" PVC SCH 40	40	38
A-662	6" VC BELL TO 6" PVC S&D	30	50
A-664	6" VC BELL TO 6" PVC SCH 40	18	35
A-664A	6" VC BELL TO 6" ABS	25	30

T-CONE VARIFIED CLAY PIPE BARREL ADAPTERS



ETCO PART #	DESCRIPTION	PCS/ CTN	WT/ CTN
TCA-444A	4" VC BARREL TO 4" ABS	36	27
TCA-444P	4" VC BARREL TO 4" PVC-PSM	36	27
TCA-442P	4" VC BARREL TO 4" PVC	50	39
TCA-642	6" VC BARREL TO 4" PVC-PSM	36	37
TCA-644	6" VC BARREL TO 4" SCH 40	36	35
TCA-644A	6" VC BARREL TO 4" ABS	36	32

RISER GUARD CAPS



Riser guard caps fit standard 4" Telco conduits and provide a transition fitting from the conduit to standard U-shaped cable guards on riser poles.

The U-shaped cable guard dimensions and cable accommodation sizes are listed below for each ETCO product item.

PART #	U-Guard SIZE	UG-Inside ID	Cable or Innerduct Size
UG-CAP 4-4	No. 4	3-11/16"	3-1/8" Max
UG-CAP 3-4	No. 3	3-3/16"	2-5/8" Max
UG-CAP 2-4	No. 2	2-3/16"	1-5/8" Max

ETCO PART #	DESCRIPTION	PCS/CTN	WT/CTN
UG-CAP 2-3	RISR CAP#2 TO 3" (1-5/8" MAX)	32	8
UG-CAP 2-4	RISR CAP#2 TO 4" (1-5/8" MAX)	32	9
UG-CAP 3-4	RISR CAP#3 TO 4" (2-5/8" MAX)	32	8
UG-CAP 4-4	RISR CAP#4 TO 4" (3-1/8" MAX)	32	7

*****FULL CARTON QTY ONLY. CARTON QTY=32 PCS*****



Distributed By  **READY Solutions & Services**

HOW TO ORDER SPECIALTY PRODUCTS/PIPE FITTINGS

Select ETCO Product Order Number(s)

Select ETCO Product Shipping Configuration(s) – Eaches / Boxes

Fill out RSS Quote Request Form and email to: info@rss.services

(or)

Fill out RSS Product Order Form and email to: custserv@rss.services