PRINSCO Ag

WATER MANAGEMENT SOLUTIONS

Our Values

the Prinsco difference

service led by values

The Prinsco Difference isn't just about service, it's about a way of doing business. As a family-owned company, we operate by our core values of hard work, integrity, relationships, and humility. This means we go beyond transactions to build genuine partnerships with our customers. We believe in working tirelessly, acting with honesty, fostering strong connections, and approaching every challenge with a willingness to learn. It's this foundation that allows us to provide exceptional service and solutions you can trust.

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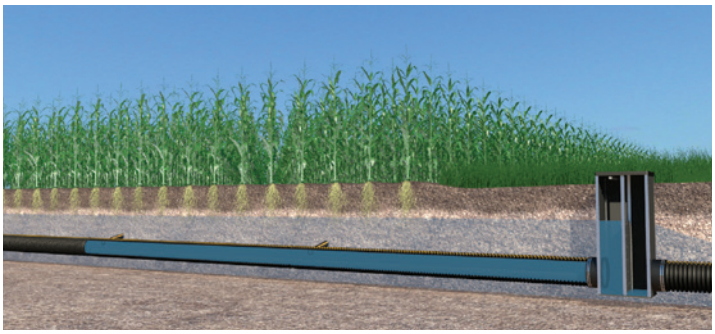
Best Practices

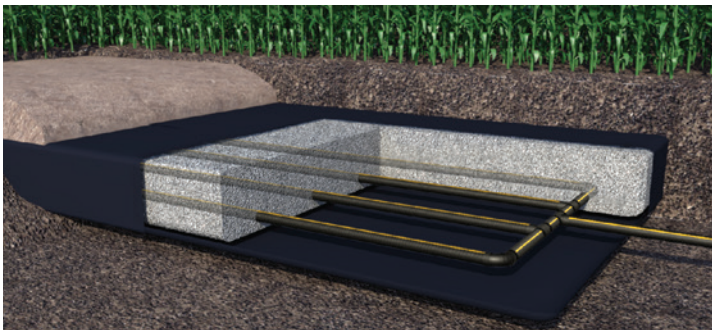
Water Quality Practices

Water quality practices are more important than ever. Over the last decade, we've seen industry organizations, educational institutions and private businesses come together to research and design water quality features for all types of agricultural water management systems. Below are several solutions to consider when designing a water management system.



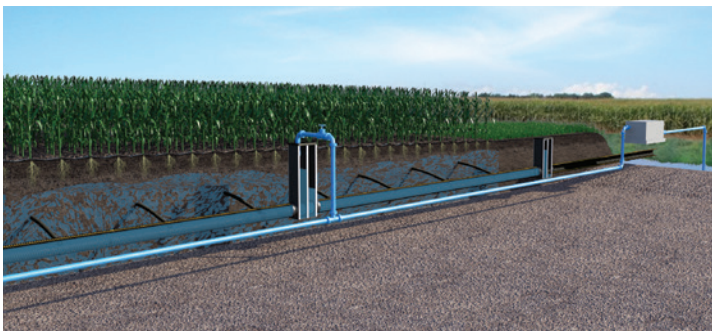
Controlled Drainage

Water Control Structures and water gate valves manage the water table across a field relative to root depth throughout the year. Drainage still occurs, but this gives the farmer control over another resource on their landscape, water.



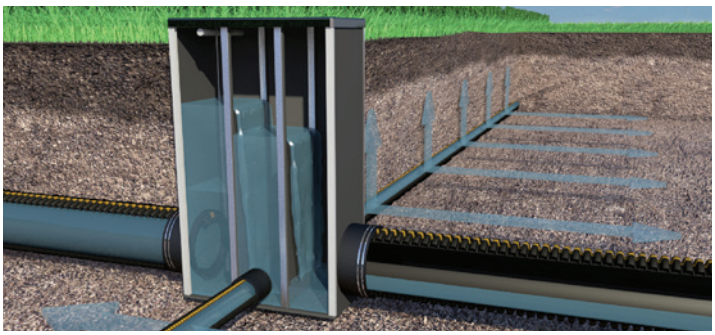
Blind Inlet

Tightly spaced tile is laid in a bed of highly permeable backfill (rock, sand, etc.) to allow surface water to quickly infiltrate and enter the drainage system without direct surface inlets.



Subsurface Irrigation

Similar to a controlled drainage system, water control structures manage the water table through the field. However, water is supplied to the system from a ditch, storage pond, or other source to ensure the water table is always at an ideal level. Excess water from rainfall can still be drained through the system.



Saturated Buffer

Tile water is diverted into perforated pipe running parallel to an open ditch or stream that has a suitable vegetated buffer. As water moves through the buffer toward the stream, the organic matter in the soil naturally utilizes the nitrates in the water, converting the nitrate to nitrogen gas.

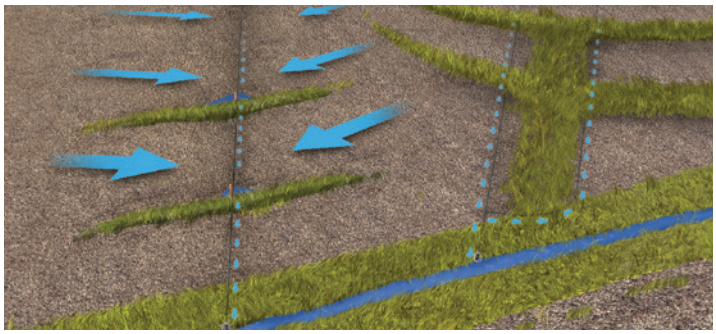
Best Practices

Denitrifying Bioreactor

Tile water is diverted through an underground bed of woodchips or other carbon source. Bacteria on the woodchips converts nitrates in the water into atmospheric nitrogen gas.

Denitrifying Wetland

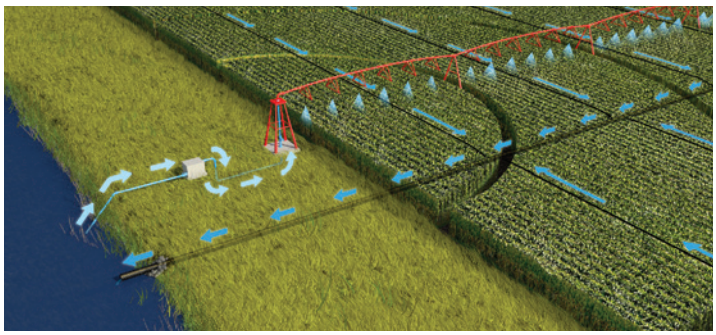
Wetlands are strategically placed on low-land areas of a watershed where runoff naturally flows, and where tile water can outlet into. These unproductive acres can be utilized to maximize their natural nutrient use capabilities.



Terrace & WASCOB

A system of ridges is designed and built on a hillside to slow down, collect, and divert surface runoff to prevent erosion. Designs vary by site based on topography and land use.

Water and Sediment Control Basins or “WASCOBs” accomplishes the same goal with smaller embankments and a system of intakes and pipes.



Drainage Water Recycling

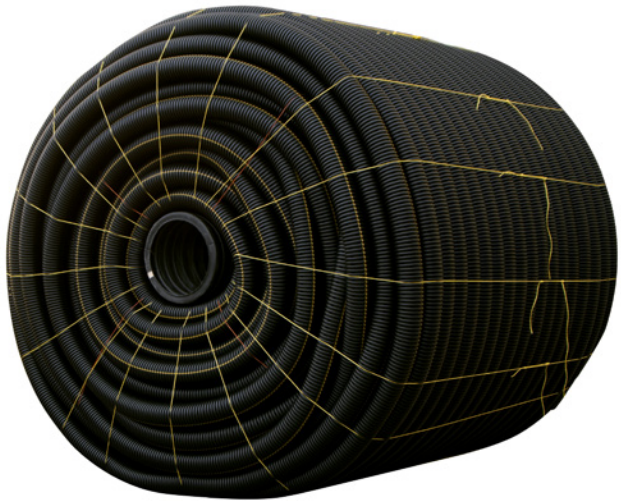
Drainage water from periods of excess moisture is stored in a reservoir to be reused as irrigation water later in the season when it’s dry and when crops need it the most.

the **Water Table**
Ag Water Management Education

More about Best Practices
Overview
Benefits
Visuals
and more

GOLDLINE®

Goldline® is a soil-tight, high density polyethylene plastic pipe that is an essential component of agricultural water management systems. It is available in mini rolls, maxi coils and sticks measuring 10' or 20'. Goldline is also available in perforated or non-perforated configurations and can be supplied with high performance geotextile fabric.



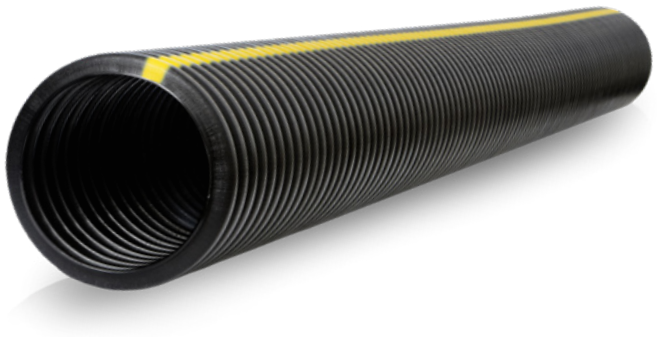
Features & Benefits

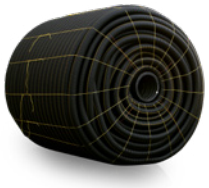
- Easy to handle and maneuver for efficient installation
- Meets or exceeds **ASTM F667** requirements
- Available in AASHTO grade to meet or exceed **AASHTO M252** or **M294** requirements
- Available in perforated and non-perforated configurations
- Available in coils or sticks

Applications

- Culverts
- Highway Drains
- Leachbeds
- Building & Construction Drains
- Containment Pipe
- Soil Stabilization
- Conduit

**Contact your Prinsco representative regarding application suitability questions.*





GOLDLINE® Single-Wall Coils

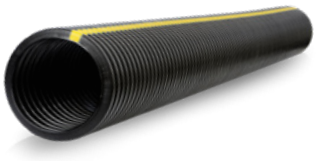
	Diameter(s)	Standard Length (ft.)	Material
Perforated	3" - 15"	100' - 5300'	High Density Polyethylene (HDPE)
Narrow Slot Pipe*	3" - 15"	100' - 3000'	High Density Polyethylene (HDPE)
Non-Perforated	3" - 15"	100' - 5300'	High Density Polyethylene (HDPE)
with Knitted Polyester Wrap *Geotextile fabric specifications are available upon request.*	3" - 15"	100' - 5300' *(Special Order Items.)*	High Density Polyethylene (HDPE)
Leachbed *Has 3 rows of holes on the bottom of the pipe.*	4"	100', 250'	High Density Polyethylene (HDPE)
Muck Pipe *Has 4 rows of large perforations at 90° intervals*	4" - 6"	100' - 3000'	High Density Polyethylene (HDPE)

** Not intended to replace sock or fabric around pipe; provided as a service to our customers without any implied warranties.*
† Couplers sold separately.

Coil Wrap Chart

Number of Wraps	Pipe Sizes (diameter) 3"	4"	5"	6"	8"	10"	12"	15"
1	150'	135'	100'	90'	93'	80'	90'	75'
2	330'	290'	250'	220'	230'	200'	195'	150'
3	550'	490'	440'	387'	385'	350'	320'	
4	825'	730'	670'	592'	595'	525'		
5	1120'	1000'	940'	834'	825'			
6	1480'	1315'	1250'	1107'				
7	1870'	1685'	1600'	1450'				
8	2305'	2065'	1900'					
9	2780'	2500'	2300'					
10	3290'	3000'						
11	3860'							
12	4400'							
13	5300'							

Chart based on standard coil sizes.



GOLDLINE® Single-Wall Sticks

	Diameter(s)	Standard Length (ft.)	Material
Perforated	3" - 15"	10', 20'*	High Density Polyethylene (HDPE)
Non-Perforated	3" - 15"	10', 20'*	High Density Polyethylene (HDPE)
with Knitted Polyester Wrap *Geotextile fabric specifications are available upon request.*	8" - 15"	20' *(Special Order Items.)*	High Density Polyethylene (HDPE)

**Not all product variations available at all locations.*

Geotextile Sock

Goldline® with geotextile sock is great for projects involving fine sand, soil or flowable particles of soil.

Pipe Requirements per Acre

Spacing	ft/ac
20	2,180
25	1,740
30	1,450
35	1,245
40	1,090
45	970
50	870
55	790
60	725
65	670
70	620
75	580
80	545
85	510
90	485
95	460
100	435

Flow Chart Full Flow Capacity

GPM | Slope (ft./100 ft.)

Diameter	0.05	0.10	0.15	0.20	0.25	0.30	0.40	0.50	1.0	2.0	5.0
3"	8	11	13	15	17	19	22	24	34	49	77
4"	17	23	29	33	37	41	47	52	74	105	166
5"	30	42	52	60	67	74	85	95	134	190	300
6"	49	69	85	98	109	120	138	154	218	309	488
8"	99	139	171	197	220	241	279	312	441	623	985
10"	168	238	291	336	376	412	476	532	752	1,063	1,681
12"	245	346	424	489	547	599	692	774	1,094	1,547	2,446
15"	444	627	768	887	992	1,086	1,255	1,403	1,984	2,805	4,436

To determine CFS, divide values in chart by 448.8

Dimensions and Strength

Nominal ID (in.)	Approx. OD (in.)	Stick Length (ft.)	Micro Roll (ft.)	Mini Roll (ft.)	Maxi Roll (ft.)	Corrugation Pitch (ft.)	Nominal Flow Area (sq. in.)
3"	3.6	-----	100	300	5,300	0.67	7.1
4"	4.7	20/10	100	250	3,000	0.67	12.6
5"	5.8	-----	-----	165	2,300	0.67	19.6
6"	7.0	20	100	575	1,450	0.80	28.3
8"	9.2	20	-----	390	825	1.00	50.3
10"	11.7	20	-----	-----	525	1.30	78.5
12"	14.5	20	-----	-----	320	2.00	113.1
15"	17.9	20	-----	-----	150	2.70	176.7

GOLDLINE® Fittings:
See pages 10-11

Accessories:
See pages 22-25

More about Goldline®
Installation Videos
Installation Documents
Specifications
Technical Notes

Fittings – Single-Wall

Straight Tee

Size	Unit
3"	Each or 50/pkg.
4"	Each or 20/pkg.
5", 6"	Each or 5/pkg.

Blind Tee

Size	Unit
4"	Each or 20/pkg.
5", 6"	Each or 5/pkg.
8"	Each or 4/pkg.
10", 12"	Each

Reducing Tee

Size	Unit
5", 6"	Each or 5/pkg.
8"	Each or 4/pkg.
10", 12", 15"	Each

4" x 3" Combo Tee

Size	Type	Unit
3", 4"	Straight, Blind	Each or 25/ pkg.

90° Elbow

For Larger Sizes (5"-15"), Use A Blind Tee.

Size	Unit
3", 4"	Each or 25/pkg.

Wye

Size	Unit
3"	Each or 25/pkg.
4"	Each or 15/pkg.
5"	Each or 5/pkg.
5"*, 8"*	Each
6"*	Each or 6/pkg.

** Reducing wyes*

Step Down Reducer

Size	Unit
4" x 3"	Each or 25/pkg.
6" x 5" x 4"	Each or 50/pkg.
10" x 8" 10" x 8" x 6" 12" x 10" x 8"	Each or 5/pkg.
8" x 6" 15" x 12"	Each

Cross Tee

Size	Unit
6" x 5" X 4"	Each

External Snap Coupler

Size	Unit
3", 4"	Each or 50/pkg.
6"	Each or 25/pkg.
8"	Each or 5/pkg.
10"	Each

Fittings – Single-Wall

Tap Tee

Size	Type	Pipe Fitting	Unit
3"	Short	6" - 8"	Each
4"	Short	6" - 10"	Each
	Long	12" - 18"	
5"	Short	10" - 12"	Each
	Long	15" - 18"	
6"	Short	15" - 24"	Each
	Long	30" - 36"	

Internal Snap Coupler

Size	Unit
3", 4"	Each or 50/pkg.
5"	Each or 25/pkg.
6"	Each or 20/pkg.
8"	Each or 10/pkg.
10", 12"	Each

Plug

Snaps inside the pipe to cap the end.

Plug Type	Size	Unit
Plasta	3" - 6"	100/box
Clay	4" - 6"	Each or 100/pkg.

Internal Plug

Size	Unit
3", 4"	Each or 50/pkg.
5"	Each or 25/pkg.
6"	Each or 20/pkg.
8"	Each or 10/pkg.

External End Cap

Size	Unit
3", 4"	Each or 50/pkg.
6"	Each or 20/pkg.
8", 10"	Each or 10/pkg.
12", 15", 18", 24"	Each

Clay Adapter

Adapts between corrugated pipe and clay, concrete or PVC.

Size	Unit
3"	Each or 25/pkg.
4", 5"	Each or 50/pkg.
6", 8"	Each or 20/pkg.
10"	Each or 15/pkg.
12", 15"	Each or 5/pkg.
18"	Each

Soil-Tight Coupler

Size	Unit
3", 5"	Each or 75/pkg.
4", 6"	Each or 50/pkg.
8", 12"	Each or 25/pkg.
8" - 15"	Each

Plastic Ties

Type	Use	Unit
Short	use with 8" to 15" couplers	100/pkg.
Long	use with 18" to 36" couplers	50/pkg.

GOLDFLEX®

Goldflex® flexible dual-wall pipe has revolutionized the installation of agricultural drainage mains. It feeds directly from a stringer to a plow boot for a trenchless installation that vastly increases speed and improves safety.

As pioneers of flexible dual-wall, Prinsco continues to push the industry forward by leading the creation of a first-ever ASTM standard for flexible dual-wall pipe.

Our Goldflex gold standard of quality has now become ASTM F3390.

Goldflex® Available Configurations

Diameter(s)	Nominal Length (ft.)	Connection	Pipe Features	Material
8"	825'	Coupler† Soil tight	Flexible Dual-wall Non-perforated Perforated Perforated with Sock Narrow Slot	Polyethylene (PE)
10"	525'			
12"	320'			
15"	190'			

† *Couplers sold separately.*

Benefits

- Fast installations – compared to dual wall sticks
- Dual-wall - offers optimum flow rates
- Trenchless - increases safety
- Less labor & equipment
- Ideal for high water table areas and unstable trenches

Performance

Goldflex flexible dual-wall pipe meets the following:

- **ASTM F 3390:** Standard Specification for 3" – 24" (75mm – 600mm) Lined Flexible Corrugated Polyethylene Pipe for Land Drainage Applications

GOLDFLEX® Fittings:
See pages 18-19

Accessories:
See pages 22-25

Flow Chart Full Flow Capacity

GPM | Slope (ft./100 ft.)

Diameter	0.05	0.10	0.15	0.20	0.25	0.30	0.40	0.50	1.0	2.0	5.0
8"	119	168	205	237	265	290	335	375	530	750	1,185
10"	215	304	372	430	481	526	608	680	961	1,359	2,149
12"	349	494	605	699	781	856	988	1,105	1,563	2,210	3,495
15"	634	896	1,098	1,267	1,417	1,552	1,792	2,004	2,834	4,008	6,336

To determine CFS, divide values in chart by 448.8

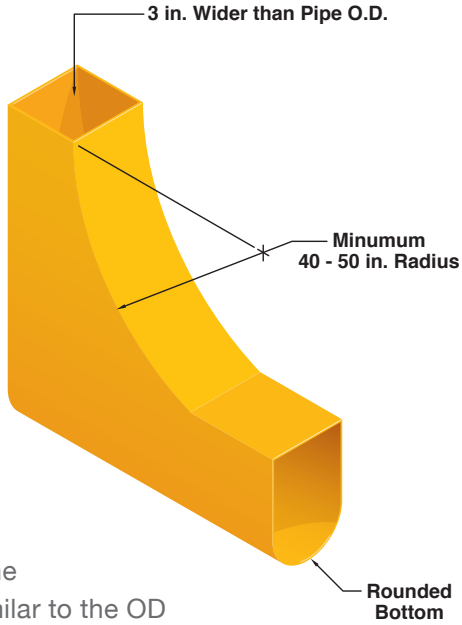
Boot Design

Boot Width

The inside of the boot should be approximately 3" wider than the outside diameter (OD) of the pipe. The additional width will help aid in initially feeding the pipe through the boot and reduce the amount of force and friction on the pipe during installation.

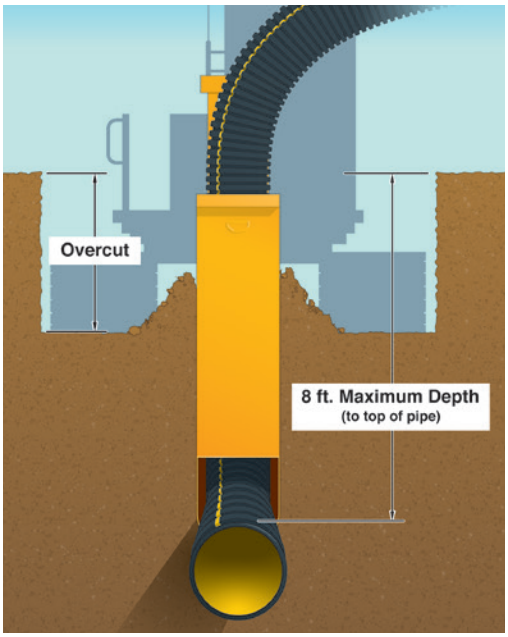
Bend Radius

The boot shall have a minimum 40" to 50" bend radius depending on the diameter of the pipe. A tighter bend radius will result in increased friction and force on the pipe as it moves through the boot. There are several commercial boots with similar dimensions that may be considered for use with Goldflex®.



Rounded Bottom

The boot shall have a rounded bottom to provide proper support up to the springline of the pipe. The shape of the bottom of the boot should be similar to the OD of the pipe to provide sufficient support. Pipe and recommended boot dimensions are further outlined in Prinsco's Goldflex Installation Guide.



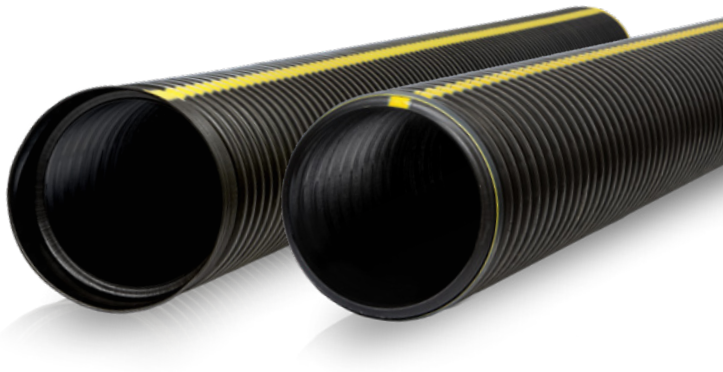
Burial Depth

The maximum burial depth is significantly influenced by the quality and compaction level of the soil backfill around the pipe. Goldflex, along with all plastic pipe, relies on the strength of the soil around it to help carry the overburden load. In a tile plow application, an adequately shaped trench bottom is necessary to provide support to the pipe. With this in mind, the maximum recommended burial depth for Goldflex installed in native soil by a tile plow is 8 feet. Deeper burial depths may be achieved depending on native soil conditions or with imported backfills. Reference Prinsco's Agricultural Installation Guide for additional information.

More about Goldflex®
Installation Videos
Installation Documents
Specifications
Technical Notes

GOLDFLO®

Goldflo® provides unsurpassed performance for agricultural water management. It is designed and manufactured with state-of-the-art methods ensuring maximum material performance and maximum structural performance.



Integrated Bell & Spigot Dual-Wall

Goldflo with integral bell and spigot ends are manufactured to the most stringent requirements of ASTM F2648, F2306, or AASHTO M252 or M294 Type S or SP. Bell and spigot joints utilize either soil tight or watertight gaskets meeting ASTM F477 standards, and watertight joints meeting the requirements of ASTM D3212.

Goldflo® Available Configurations

	Diameter(s)	Standard Length (ft.)	Connection	Pipe Features	Material	Standards*
Integrated Bell and Spigot	4" - 60"	20'	Gasket Soil tight Watertight	Dual-wall Non-perforated Perforated Narrow Slot	High Density Polyethylene (HDPE)	ASTM F2648 ASTM F2306 AASHTO M252 AASHTO M294 ASTM F477 ASTM D3212

*Some pipe configurations, including shorter lengths, may be special order at some locations.; † Couplers sold separately.; *See page 27 for Industry Standards.*

Features & Benefits

- Manning's "n" value of 0.012 allows for greater flow capacity and reduces sediment or debris build-up
- Full offering of standard and custom fittings to meet your specific needs and reduce field fabrication and costly structures
- Several joining options allow for quick and easy installation, reducing costs while increasing efficiency
- Lightweight and easy field manipulation saves time, labor, and allows for the use of smaller equipment while contributing to a safer working environment

Dimensions and Strength

Nominal ID (in.)	Approx. OD (in.)	Corrugation Pitch (ft.)	Nominal Length (ft.)	Min. Pipe Stiffness @ 5% Deflection (psi)
4"	4.8	0.67	20	50
6"	7.1	0.80	20	50
8"	9.5	1.00	20	50
10"	11.8	1.30	20	50
12"	14.4	2.00	10/20	50
15"	17.6	2.67	10/20	42
18"	21.5	3.00	10/20	40
24"	28.3	4.00	10/20	34
30"	34.7	4.00	12/20	28
36"	40.6	4.00	12/20	22
42"	47.8	6.00	12/20	20
48"	54.2	6.00	12/20	18
60"	66.8	6.00	12/20	14

GOLDFLO® Fittings:
See pages 18-19

Accessories:
See pages 22-25

More about Goldflo®
Installation Videos
Installation Documents
Specifications
Technical Notes

Dual-Wall Flow Chart Full Flow Capacity

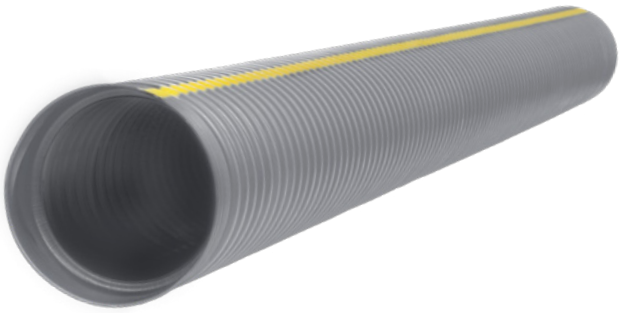
GPM | Slope (ft./100 ft.)

Diameter	0.05	0.10	0.15	0.20	0.25	0.30	0.40	0.50	1.0	2.0	5.0
4"	21	29	36	41	46	51	59	65	93	131	207
6"	61	86	106	122	136	149	173	193	273	386	610
8"	131	186	228	263	294	322	372	415	588	831	1,314
10"	238	337	413	476	533	583	674	753	1,065	1,507	2,382
12"	387	548	671	775	866	949	1,096	1,225	1,732	2,450	3,873
15"	702	993	1,216	1,405	1,570	1,720	1,986	2,221	3,141	4,442	7,023
18"	1,142	1,615	1,978	2,284	2,554	2,797	3,230	3,611	5,107	7,223	11,420
24"	2,459	3,478	4,260	4,919	5,500	6,024	6,956	7,777	10,999	15,555	24,595
30"	4,459	6,306	7,724	8,919	9,971	10,923	12,613	14,102	19,943	28,203	44,593
36"	7,251	10,255	12,560	14,503	16,214	17,762	20,510	22,931	32,429	45,861	72,513
42"	10,938	15,469	18,945	21,876	24,458	26,793	30,937	34,589	48,916	69,178	109,381
48"	15,617	22,085	27,049	31,233	34,920	38,253	44,170	49,384	69,839	98,768	156,166
60"	28,315	40,043	49,043	56,629	63,314	69,357	80,086	89,539	126,627	179,078	283,147

To determine CFS, divide values in chart by 448.8

GOLDPRO STORM®

Goldpro Storm® is a dual-wall corrugated polypropylene pipe. The combination of our engineered materials and watertight joint design result in a high performance pipe solution that is ideal for culverts and other conveyance applications.



Integrated Bell & Spigot Dual-Wall

Goldflo with integral bell and spigot ends are manufactured to meet the stringent requirements of ASTM F2881 and AASHTO M330, with joints that meet the requirements of ASTM F477 and ASTM D3212.

Features

- Increased pipe stiffness results in greater installation security
- Increased beam stiffness helps to hold true grade when site conditions vary unexpectedly
- Joint performance is enhanced to maximize the field service performance and less site conditions related sensitivity
- Fittings to meet your specific needs and reduce field fabrication and costly structures

GOLDPRO STORM® Fittings:
See pages 18-19

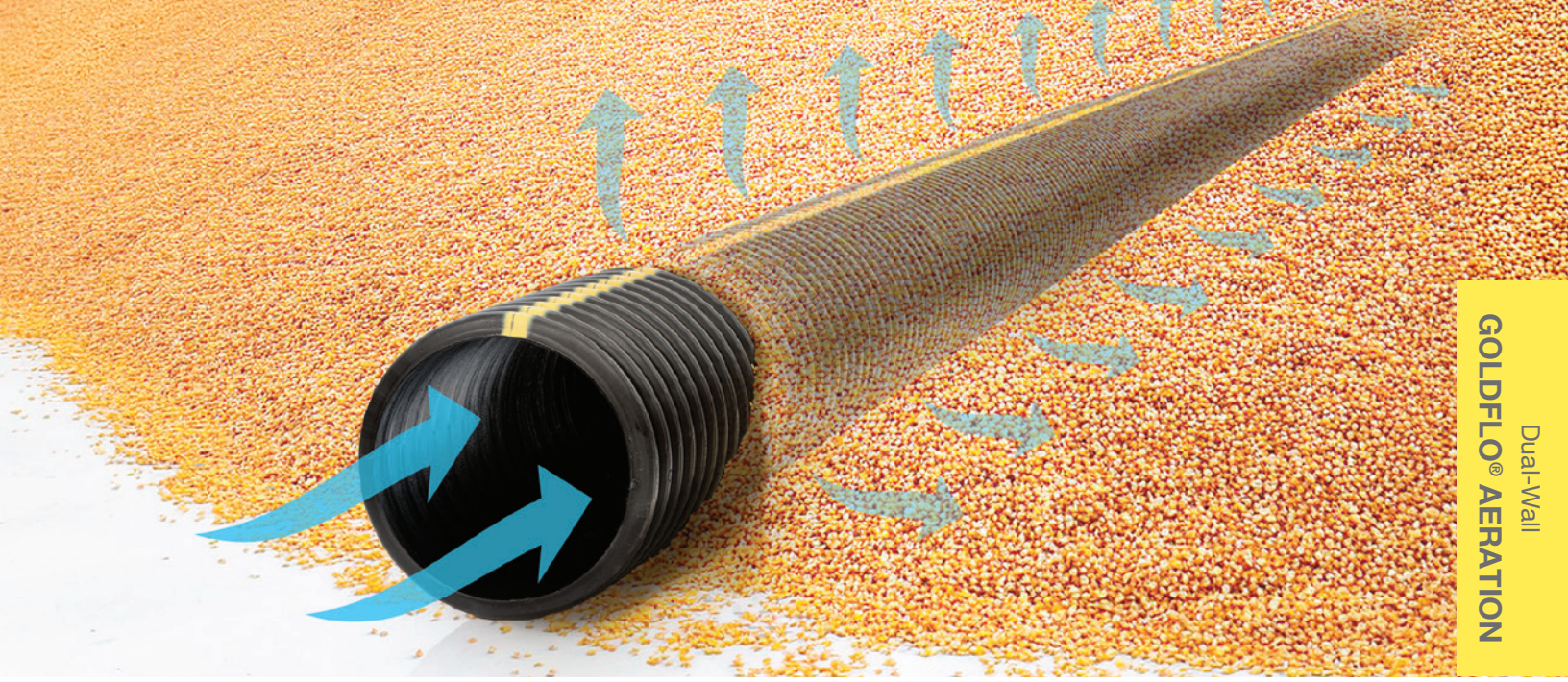
Accessories:
See pages 22-25

More about Goldpro Storm®
Installation Videos
Installation Documents
Specifications
Technical Notes

Goldpro Storm® Available Configurations

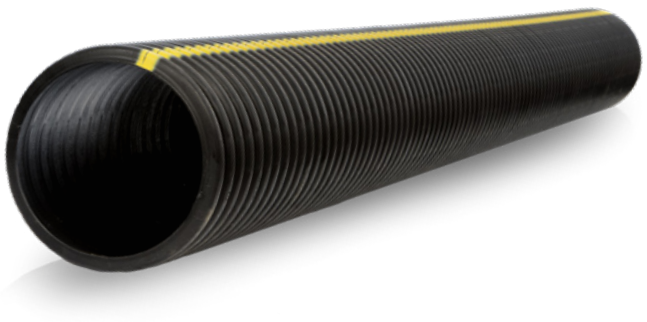
	Diameter(s)	Standard Length (ft.)	Connection	Pipe Features	Material	Standards*
Integrated Bell and Spigot	12" - 60"	20'	Gasket Soil tight Watertight	Dual-wall Non-perforated Perforated	Polypropylene (PP)	ASTM F2881 AASHTO M330 ASTM D477 ASTM F3212

Shorter lengths may be available at some locations



GOLDFLO® AERATION

Prinsco's aeration duct pipe is a dual-wall, high density polyethylene plastic pipe that is perforated for maximum air flow, making it the perfect solution for grain storage and preservation applications. Its dual-wall design provides the durability to withstand extreme grain pile heights and its high recycled content makes it the most environmentally friendly aeration pipe on the market today.



Features

- Lightweight, easy to handle, and easy to cut and manipulate on-site
- Dual-wall design promotes maximum airflow for maximum aeration
- Pipe contains enlarged perforations
- Available with a full range of accessories including fittings, caps and screen mesh

GOLDFLO® Fittings:
See pages 18-19

Accessories:
See pages 22-25

Pipe Size and Perforation Information

Diameters	Standard Length (ft.)	Hole Diameter in. (mm)	Number of Perforations		Perforated Area in²/ft (cm²/m)
			per Valley	per Foot (Meter)	
12"	20'	0.375" (9.53 mm)	8	48 (160)	5.30 in²/ft (112.18 cm²/m)
15"	20'	0.375" (9.53 mm)	8	36 (120)	3.98 in²/ft (84.24 cm²/m)
18"	20'	0.625" (15.88 mm)	8	32 (104)	9.82 in²/ft (207.86 cm²/m)
24"	20'	0.625" (15.88 mm)	8	24 (80)	7.36 in²/ft (155.79 cm²/m)

Fittings – Dual-Wall

Cross Tee

Pipe Size	Material
4" - 24"	High Density Polyethylene (HDPE)
12" - 24"	Polypropylene (PP)*

Tee

Pipe Size	Material
4" - 60"	High Density Polyethylene (HDPE)
12" - 60"	Polypropylene (PP)*

Elbow - 90° (2-Piece)

Pipe Size	Material
4" - 60"	High Density Polyethylene (HDPE)
12" - 60"	Polypropylene (PP)*

Elbow - 22.5°

Pipe Size	Material
4" - 60"	High Density Polyethylene (HDPE)
12" - 60"	Polypropylene (PP)*

Wye - 45°

Pipe Size	Material
4" - 24"	High Density Polyethylene (HDPE)
12" - 24"	Polypropylene (PP)*

Reducer (One-Step)

Pipe Size	Reducer	Material
6" - 60"	4" - 48"	High Density Polyethylene (HDPE)
15" - 60"	12" - 48"	Poly-propylene (PP)*

Elbow - 90° (3-Piece)

Pipe Size	Material
4" - 60"	High Density Polyethylene (HDPE)
12" - 60"	Polypropylene (PP)*

Elbow - 45°

Pipe Size	Material
4" - 60"	High Density Polyethylene (HDPE)
12" - 60"	Polypropylene (PP)*

Pipe Adapter

Pipe Size	Material
10" - 36"	High Density Polyethylene (HDPE)
12" - 36"	Polypropylene (PP)*

** Polypropylene (PP) fittings are made with gray Goldpro Storm® pipe.*

Fittings – Dual-Wall

Reducing Tees

Pipe Size	Tee Sizes	
	High Density Polyethylene (HDPE)	Poly-propylene (PP)*
6"	4	-
8"	4" - 6"	-
10"	4" - 8"	-
12"	4" - 10"	-
15"	4" - 12"	12"
18"	4" - 15"	12" - 15"
24"	4" - 18"	12" - 18"
30"	4" - 24"	12" - 24"
36"	4" - 30"	12" - 30"
42"	4" - 36"	12" - 36"
48"	4" - 42"	12" - 42"
60"	4" - 48"	12" - 48"

External End Cap

Pipe Size	Material
8" - 48"	High Density Polyethylene (HDPE)
12" - 48"	Polypropylene (PP)*

Reducing Wyes

Pipe Size	Wye Sizes	
	High Density Polyethylene (HDPE)	Poly-propylene (PP)*
6"	4	-
8"	4" - 6"	-
10"	4" - 8"	-
12"	4" - 10"	-
15"	4" - 12"	12"
18"	4" - 15"	12" - 15"
24" - 30"	4" - 18"	12" - 18"
36" - 60"	4" - 24"	12" - 24"

*No-Seep Collars™

Four-Foot Square Sheet Of High Density Plastic Fastened With Stainless Steel Bolts.

Sizes	Pipe Size	Unit
4' x 4' 5' x 5' 6' x 6'	4" - 24"	Each

** Special order item*

Soil Tight Split Coupler

Pipe Size	Material
4" - 60"	High Density Polyethylene (HDPE)

Plastic Ties

	Unit
use with 8" to 15" couplers	100/pkg.
use with 18" to 36" couplers	50/pkg.

EZ Tee

Lateral Size	Mainline Diameter
4"	8" and up
6"	10" and up
8"	12" and up
10"	15" and up
12"	18" and up

Hole Saw and Arbor

Used for cutting EZ Tee opening.

Hole Sizes
4.5", 6.5", 8.75", 10.875", 12.875"

** Polypropylene (PP) fittings are made with gray Goldpro Storm® pipe.*

Ag Catch Basin

Your subsurface water management system can only function as well as its outlet. So if the grade on your system won't allow for a gravity flow outlet, Prinsco's agricultural catch basin provides the perfect solution. They are built from polymer coated corrugated metal and provide strength and durability for years of trouble-free service. Coupled with other

Catch Basin Available Configurations

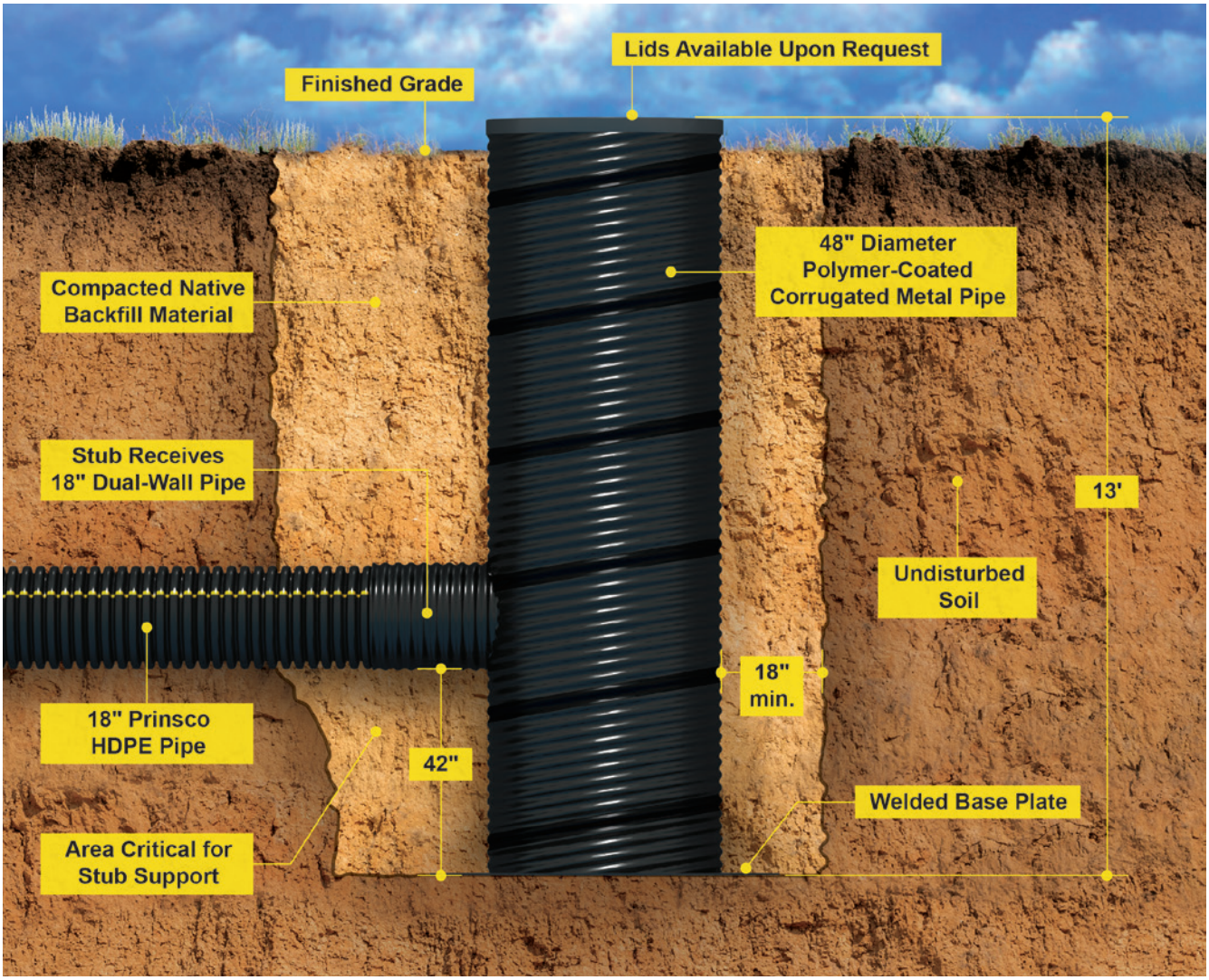
Diameter	Standard Height (ft.)	Material	Catch Basin Features
48"	13'	Polymer-coated Galvanized Pipe	18" Stub

Custom basins are available. Contact Prinsco for a quote.

Features

- Standard size is 13' tall x 48" diameter, providing increased storage volume.
- Galvanized, polymer coated steel tanks provide increased protection against abrasion & corrosion.
- Basin stub receives 18" Prinsco Goldflo®. Connection is built for strength and easy to install with no couplers needed. Reducers to smaller diameters are also available.
- Backfill with native soils. No imported material needed, saving you time and money.

Ag Catch Basin



Ag Catch Basin Accessories

Galvanized Lid with Stand

Size
48"

Vertical Extensions

Size
1', 2', 3'

More about the Ag Catch Basin

Installation Documents
Specifications
Technical Notes

Accessories

Trash Guard

Used on flared end sections with 3:1 slopes to help keep debris out and prevent clogging.

Size	Unit
8" - 60"	Each

Galvanized Trash Guard

Used on flared end sections with 3:1 slopes to help keep debris out and prevent clogging.

Size	Unit
12" - 36"	Each

Watertight Saddle Gaskets

Used to connect to Prinsco PVC Catch Basins or Fabricated Fittings

Size	Unit
4" - 36"	Each

External Endcaps

Size	Unit
8" - 48"	Each

Steel Aprons

Used on projects where 2.5:1 slope is specified. Fits contour and assists water flow through the culvert.

Size	Unit
6" - 60"	Each

Safety Aprons

Used where 6:1 slopes are required. Available with or without safety grate.

Size	Unit
12" - 24"	Each

Safety aprons are all special-order items.

Plastic Aprons

High density polyethylene aprons designed for GOLDLINE and GOLDFLO applications

Size	Unit
12" - 36"	Each

Rubber Flexible Goldflo HDPE X SDR35 Spigot Adapter

Size	Unit
4" - 24"	Each

Goldflo HDPE X SCH40 Spigot Adapter

Size	Unit
4" - 12"	Each

Intake Marker Flags

Fiberglass rod with flag. Fits in the end of our beehive intake caps.

Size	Color	Unit
8'	Orange Red Yellow White	Each

Survey Flags

Plastic flag is 5" x 4" with a 30" wire.

Size	Color	Unit
5" x 4" *(with 30" wire)*	Flo-Orange Blue White Flo-Pink Yellow Flo-Green	100/ bundle

** Not all colors stocked on location.*

Accessories

Additional allied products are available. Please contact your Prinsco representative for a complete list.

Hickenbottom Intake Risers

A Hickenbottom Intake is a three-piece unit that includes one orange section with holes or slots, one orange middle and a special blind tee. All below-ground sections of Hickenbottom intakes meet or exceed ASTM F 405 specifications for underground applications. All sections are three feet in length.

	Diameter(s)	Standard Length (in.)	Material	Standards*
Orange Top *With 1" Holes; or 1" x 4" Slots*	5" - 12"	36"	High Density Polyethylene (HDPE)	ASTM F 405
Orange Middle *With 5/16" Holes*				
Patented Blind Tee				
Restrictor *(Cut to any size)*	5" - 8"			

Precision Intakes

Precision Intakes are constructed of high density polyethylene and are a highly visible bright yellow. Each part has an exclusive locking device. Precision Intakes are manufactured with adjustable bottom sections and are interchangeable with most other parts on the market.

	Diameter(s)	Standard Length (in.)	Material	Features
Yellow Top *With 1" Holes; or 1" x 4" Slots*	6" - 10"	38"	High Density Polyethylene (HDPE)	Locking connections
Black Bottom *With 5/16" Holes*				
Patented Blind Tee				
Restrictor *(Cut to any size)*				

Accessories

Inline Water Level Control Structure

Pipe Size	Inside Width	Dim. Depth
4", 6"	8"	10"
8"	12"	12"
10"	14"	16"
12"	16"	20"
15"	20"	24"
18"	24"	28"
24", 24"*	31"	39"

Note: Heights vary from 2' to 12'. Please call for specific heights.
**To fit 24" dual-wall polyethylene pipe.*

U.S. Patent No. 7,942,606 B2
Canadian Patent Pending

Water Gate

Float-activated head pressure valve

Size	Length	Unit
5/16"	4'; 4.5', 5', 6'	Each
3/8"	5', 6'	Each

Inlet Water Level Control Structure

Pipe Size	Inside Width	Dim. Depth
4", 6"	8"	5"
8"	12"	6"
10"	14"	8"
12"	16"	10"
15"	20"	12"
18"	24"	14"
24", 24"*	31"	18"

Note: Heights vary from 2' to 12'. Please call for specific heights.
**To fit 24" dual-wall polyethylene pipe.*

Flap Gate

Size	Unit
4" - 36"	Each

Valterra Gate Valves

Attaches to SCH40 PVC pipe.

Size	Unit
1.5" - 12"	Each

Bar Guard

Size	Unit
4" - 60"	Each
8"-12" *(designed to fit Hickenbottom Intakes.)*	Each

Rodent Guard Zinc Plated

Size	Unit
4" - 60"	Each

Accessories

TANDEM AXLE

SINGLE AXLE

Maxi Stringer

Item	Unit
Tandem Axle Heavy Duty; Single Axle Heavy Duty	Each

- Heavy duty frame but light enough for easy handling.
- Power unit is electric over hydraulic.

All you need is a 12-volt battery.

- Hydraulics are of industrial quality.
- Wheel base is 6'4".
- Overall trailer length: 16'4".
- Weight: Single - 1,635 lbs.,

Tandem - 2,100 lbs.

- Comes standard with hitch pin.
- Standard 10'7" diameter table.

Crary Tile Pro Stringer Trailer

- Walking Tandem Axle.
- Folding Wings.
- Electric Hydraulic Pump & Cylinder.
- Electric Brake for Spool Reel.
- Manual Lock for Spool.
- Electric Brake Control & Lift Switch with 30' Rubber Cord.
- 11L-15 8 Ply Flotation Tires.
- Tail Light Kit for On Road Travel.
- Replaceable Spools.
- Pin Hitch (other styles available).

Shovels and Spades

- Solid fiberglass handles are guaranteed for life.
- Heavy 14-gauge blades with hollow-back construction.
- Forward-turned steps for foot comfort and easier penetration
- Does not absorb moisture; resists industrial chemicals.
- Easily cleaned of concrete, tar, etc.
- Easy to handle in extreme temperatures.
- Ergonomic design for comfort and stress reduction.
- Excellent rigidity reduces wasted effort.

Mud Slingers

- Holes in blade allow for superior mud release.
- The blade is almost 1 pound lighter than regular shovels and spades.

Agri Drain Pipe Straps

Dramatically increases pull apart strength on dual-wall polyethylene bell and spigot pipe couplers.

Item	Unit
Pipe Strap *(Fits up to 24" pipe size)*	Set

Tile Tape

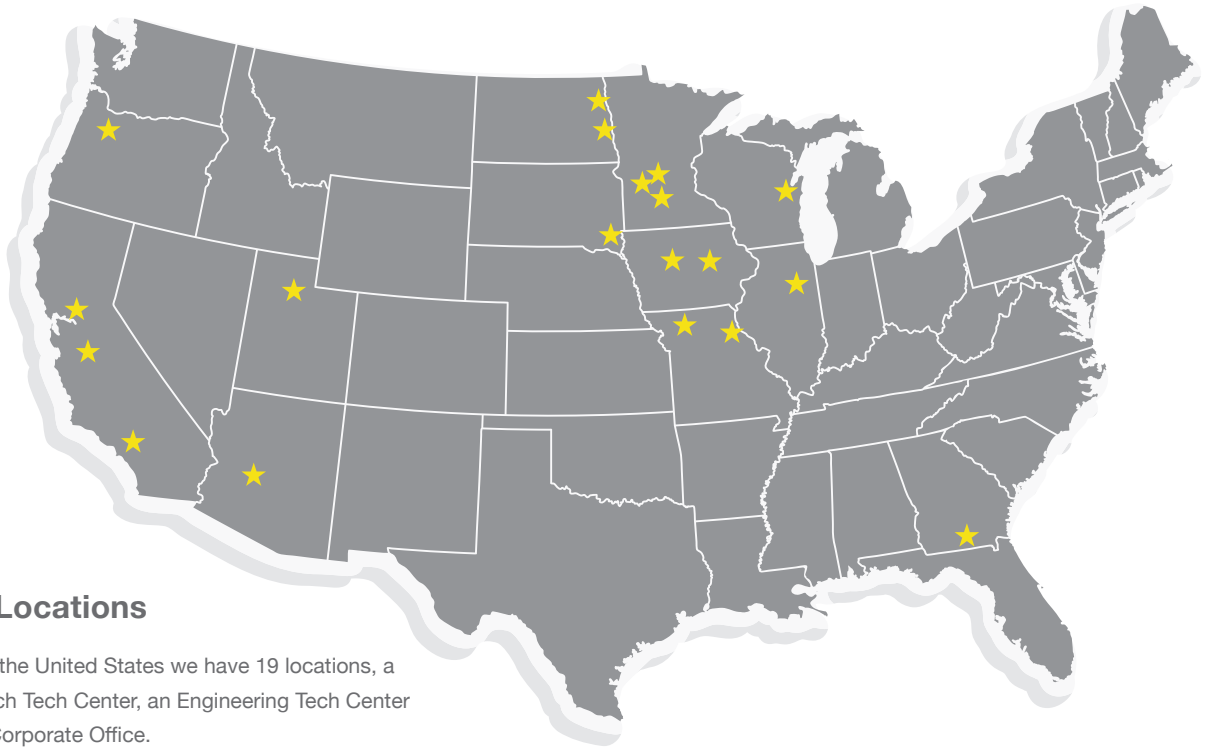
Size	Unit
2" X 108' roll	Roll, 6/pack, 24/case
4" X 100' roll	Roll, 12/case

Tile Probe

Flexible steel probe

Size	Length	Unit
5/16"	4'; 4.5', 5', 6'	Each
3/8"	5', 6'	Each

Shipping



Our Locations

Across the United States we have 19 locations, a Research Tech Center, an Engineering Tech Center and a Corporate Office.

Prinsco delivers quality from manufacturing right down to the service we provide on delivery.

The chart to the right gives approximate full-load quantities for a Prinsco 53-foot trailer. The quantities may vary according to the length of the trailer or if common carriers are employed for shipment. In mixed-size load situations, calculate the percentage of the load that each size will constitute. Then total the percentages to determine the extent of the load. If pipe lengths are shipped, small diameter pipe may be nested inside the larger sizes. This will maximize load quantities and reduce freight costs. The chart is strictly "rule of thumb" to give you a general idea of load quantities. For more specific figures, call our customer service department.

Shipping Quantities

Goldline® Single-Wall Pipe

Diameter	Unit	*Units Per Load	Footage
3"	Micro	260	26,000
	Mini	88	26,400
	Maxi	6	31,800
4"	Micro	170	17,000
	Mini	76	19,000
	Maxi	6	18,000
5"	Mini	76	12,540
	Maxi	6	13,800
6"	Mini	76	7,600
	Maxi	6	8,700
8"	20' Lengths	266	5,320
	Maxi	6	4,950
10"	20' Lengths	180	3,600
	Maxi	6	3,150
12"	20' Lengths	120	2,400
	Maxi	6	1,920
15"	20' Lengths	70	1,400

** Units per load may vary by state.*

Goldflo® Dual-Wall Pipe

Diameter	Unit	*Units Per Load	Footage
12"	10' Lengths	225	2,250
	20' Lengths	120	2,400
15"	10' Lengths	155	1,550
	20' Lengths	80	1,600
18"	10' Lengths	92	1,012
	20' Lengths	48	960
24"	10' Lengths	57	627
	20' Lengths	30	600
30"	12' Lengths	33	363
	20' Lengths	18	360
36"	12' Lengths	22	242
	20' Lengths	12	240
42"	12' Lengths	16	176
	20' Lengths	8	160
48"	12' Lengths	11	121
	20' Lengths	6	120
60"	12' Lengths	7	77
	20' Lengths	4	80

Nesting/telescoping:
All sizes through 36" will nest in the next larger size.

Fittings:
Many of our fittings and accessories are packed in bags or bundles. For quantity packs, refer to catalog pages.

ASTM and AASHTO Standards

Goldline® (HDPE) Single-Wall Pipe

ASTM F667: Standard Specification for Large Diameter Corrugated Polyethylene Pipe and Fittings
AASHTO M252 TYPE C: Standard Specification for Corrugated Polyethylene Drainage Pipe
AASHTO M294 TYPE C: Standard Specification for Corrugated Polyethylene Pipe, 300 - 1500 mm Diameter

Goldflo® (HDPE) Dual-Wall Pipe

ASTM F2648: Standard Specification for 2” to 60” Annular Corrugated Profile Wall Polyethylene Pipe and Fittings for Land Drainage Applications.
ASTM F2306: Standard Specification for 12"- 60" (300 - 1500 mm) Annular Corrugated Profile-Wall Polyethylene (PE) Pipe and Fittings for Gravity-Flow Storm Sewer and Subsurface Drainage Applications
AASHTO M294: Standard Specification for Corrugated Polyethylene Pipe, 300 - 1500mm (12"- 60") Diameter
AASHTO M252: Standard Specification for Corrugated Polyethylene Drainage Pipe

Goldflex® (PE) Flexible Dual-Wall Pipe

ASTM F3390: Standard Specification for 3"- 24" (75mm - 600mm) Lined Flexible Corrugated Polyethylene Pipe for Land Drainage Applications

Goldpro Storm® (PP) Dual-Wall Pipe

ASTM F2881: 12 to 60 in (300 to 1500mm Polypropylene (PP) Dual-Wall Pipe and Fittings for Non-Pressure Storm Sewer Applications
AASHTO M330: Polypropylene Pipe, 300- to 1500-mm (12- to 60-in.) Diameter

Gaskets/Joints

ASTM F477: Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe
ASTM D3212: Standard Specification for Joints for Drain and Sewer Plastic Pipes using Flexible Elastomeric Seals

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Ag Water Management Education

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