

# Small Diameter N-12<sup>®</sup> Pipe and Fittings

**New line of pipe and fittings results in a water-tight or soil-tight HDPE piping system from 4" through 60".**

## Completing the HDPE system

Until now, specifiers have been forced to switch to other materials in pipe diameters under 15" to get soil- or water-tight performance. And, until now, the most commonly specified material for small-diameter drainage has been SDR-35 PVC pipe.

Now, ADS offers you a new line of 4" through 12" N-12<sup>®</sup> pipe and injection molded fittings\* for maximum integrity in drainage service. This means that all the economy and performance benefits you've come to trust in polyethylene pipe can now be enjoyed in a complete 4" through 60" system.

## The advantages of polyethylene

The superiority of HDPE over metal and concrete pipe has been well documented in the lab and in the field. But polyethylene also has some significant benefits over PVC pipe in smaller diameter applications:

- **Better impact strength.** HDPE is less brittle than PVC, particularly in cooler temperatures. N-12 survives the impact of rocks in the backfill and the rigors of cold weather handling.

\* Injection molded fittings are not compatible with single wall corrugated HDPE pipe.



- **No edge beveling.** N-12 pipe installs more quickly because there is no need to bevel the pipe edge when making the joint.

- **No special adapters.** With an all-polyethylene system, there is no requirement for special adapter fittings to join N-12 pipe to other materials.

- **Better chemical and abrasion resistance.** HDPE is virtually unaffected by acidic and alkaline solutions as well as by soil hydrocarbons.

## Applications

The new line of small diameter pipe and fittings makes possible a complete drainage system from the top of the building to the storm sewer.

- Roof drains
- Foundation lines
- Collector pipe
- Roadway edge drains
- Construction site dewatering

## Complete product selection

ADS offers a full complement of injection molded fittings (not welded fabrications) in 4" through 12" sizes. These fittings are available in both water-tight models which include an F477 gasket for attaching to the spigot end of the pipe, and soil-tight styles with cleats in the bells of the fittings.

**The complete line, with item numbers, sizes, and the fabricated fittings they replace, is shown on page 2. Some Reducers, Tees and Wyes require a two-piece field assembly. These are described on page 3.**

# Injection Molded Fittings Selection

## WATER-TIGHT FITTINGS

(Includes F477 gasket for attachment on pipe end)

Size	Item Number	Replaces	Size	Item Number	Replaces
<b>Coupler, Bell/Bell</b> 			<b>Wye, Bell/Bell</b> 		
4"	0413WT	S35 10.8	4"	0480WT	0480AN
6"	0613WT	S35 10.8	6" x 4"	0680WT*	—
8"	0813WT	S35 10.8	6"	0681WT	0681AN
<b>Reducing Coupler, Bell/Bell</b> 			8" x 4"	0880WT*	—
6" x 4"	0614WT	0670AN	8" x 6"	0881WT*	—
8" x 4"	0814WT	0870AN	8"	0882WT	0882AN
8" x 6"	0816WT	0871AN	10" x 4"	1080WT*	1080AN
10" x 4"	1074WT*	—	10" x 6"	1081WT*	1081AN
10" x 6"	1076WT*	—	10" x 8"	1082WT	1082AN
10" x 8"	1018WT	1072AN	10"	1083WT	1083AN
12" x 4"	1274WT*	—	12" x 4"	1280WT*	1280AN
12" x 6"	1276WT*	—	12" x 6"	1281WT*	1281AN
12" x 8"	1218WT	1272AN	12" x 8"	1282WT	1282AN
12" x 10"	1210WT	1273AN	12" x 10"	1283WT**	—
<b>Reducing Coupler, Spigot/Bell</b> 			12"	1284WT	1284AN
6" x 4"	0674WT	—	<b>Tee-Wye, Bell/Bell</b> 		
8" x 4"	0874WT	—	8" x 6"	0836WT	0836DAN
8" x 6"	0876WT	—	<b>45° Elbow, Bell/Bell</b> 		
<b>Tee, Bell/Bell</b> 			4"	0494WT	0490AN
4"	0460WT	0460AN	6"	0694WT	0694AN
6" x 4"	0660WT*	—	8"	0894WT	0894AN
6"	0661WT	0661AN	10"	1094WT	1094AN
8" x 4"	0860WT*	—	12"	1294WT	1297AN
8" x 6"	0861WT*	—	<b>90° Elbow, Bell/Bell</b> 		
8"	0862WT	0862AN	4"	0499WT	0499AN
10" x 4"	1060WT*	1060AN	6"	0699WT	0699AN
10" x 6"	1061WT*	1061AN	8"	0899WT	0899AN
10" x 8"	1062WT	1062AN	10"	1099WT	1099AN
10"	1063WT	1063AN	12"	1299WT	1298AN
12" x 4"	1260WT*	1260AN			
12" x 6"	1261WT*	1261AN			
12" x 8"	1262WT	1262AN			
12" x 10"	1263WT**	—			
12"	1264WT	1264AN			

## SOIL-TIGHT FITTINGS

(Cleated bells)

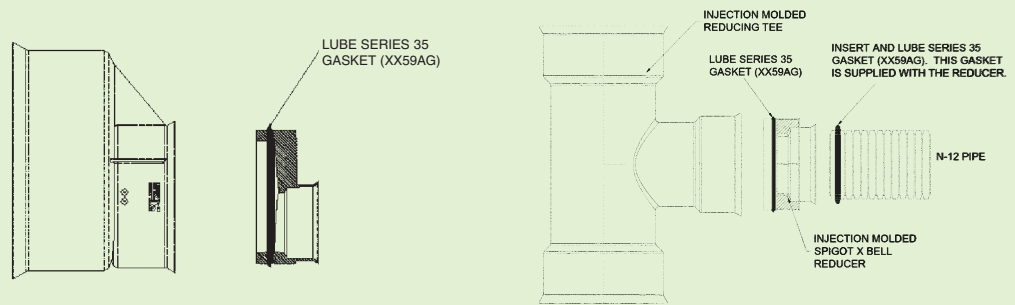
Size	Item Number	Replaces	Size	Item Number	Replaces
<b>Tee, Bell/Bell</b> 			<b>Wye, Bell/Bell</b> 		
4"	0460ST	0460AN	4"	0480ST	0480AN
6" x 4"	0660ST*	—	6" x 4"	0680ST*	—
6"	0661ST	0661AN	6"	0681ST	0681AN
8" x 4"	0860ST*	—	8" x 4"	0880ST*	—
8" x 6"	0861ST*	—	8" x 6"	0881ST*	—
8"	0862ST	0862AN	8"	0882ST	0882AN
10" x 4"	1060ST*	1060AN	10" x 8"	1082ST	1082AN
10" x 6"	1061ST*	1061AN	10"	1083ST	1083AN
10" x 8"	1062ST	1062AN	12" x 8"	1282ST	1282AN
10"	1063ST	1063AN	12" x 10"	1283ST**	—
12" x 8"	1262ST	1262AN	12"	1284ST	1284AN
12" x 10"	1263ST**	—	<b>45° Elbow, Bell/Bell</b> 		
12"	1264ST	1264AN	4"	0494ST	0494AN
<b>Wye, Bell/Bell</b> 			6"	0694ST	0694AN
4"	0480ST	0480AN	8"	0894ST	0894AN
6" x 4"	0680ST*	—	10"	1094ST	1094AN
6"	0681ST	0681AN	12"	1294ST	1297AN
8" x 4"	0880ST*	—	<b>90° Elbow, Bell/Bell</b> 		
8" x 6"	0881ST*	—	4"	0499ST	0499AN
8"	0882ST	0882AN	6"	0699ST	0699AN
10" x 8"	1082ST	1082AN	8"	0899ST	0899AN
10"	1083ST	1083AN	10"	1099ST	1099AN
12" x 8"	1282ST	1282AN	12"	1299ST	1298AN
12" x 10"	1283ST**	—			
12"	1284ST	1284AN			

\* Shipped as two injection molded fittings. See page 3.

\*\* 12" x 10" Tees and Wyes require about 15" of 12" N-12 pipe to join the injection molded fittings. See page 3.

# Reducing Fittings

Some of the injection molded Reducers, Tees and Wyes require field assembly of two parts, as shown in the table below.

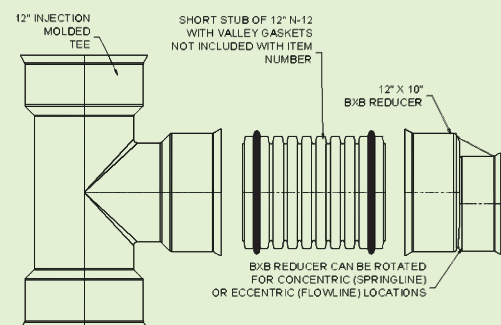


Fitting (Bell/Bell)	Water-Tight Fittings		Soil-Tight Fittings	
	Item No.	Consists of:	Item No.	Consists of:
Reducer, 10" x 4"	1074WT	1018WT 10 x 8 Reducer + 0874WT 8 x 4 Reducer	—	
Reducer, 10" x 6"	1076WT	1018WT 10 x 8 Reducer + 0876WT 8 x 6 Reducer	—	
Reducer, 12" x 4"	1274WT	1218WT 12 x 8 Reducer + 0874WT 8 x 4 Reducer	—	
Reducer, 12" x 6"	1276WT	1218WT 12 x 8 Reducer + 0876WT 8 x 6 Reducer	—	
Tee, 6" x 4"	0660WT	0661WT 6" Tee + 0674WT 6" x 4" Reducer	0660ST	0661ST 6" Tee + 0674WT 6" x 4" Reducer
Tee, 8" x 4"	0860WT	0862WT 8" Tee + 0874WT 8" x 4" Reducer	0860ST	0862ST 8" Tee + 0874WT 8" x 4" Reducer
Tee, 8" x 6"	0861WT	0862WT 8" Tee + 0876WT 8" x 6" Reducer	0861ST	0862ST 8" Tee + 0876WT 8" x 6" Reducer
Tee, 10" x 4"	1060WT	1062WT 10" X 8" Tee + 0874WT 8" x 4" Reducer	1060ST	1062ST 10 X 8 Tee + 0874WT 8 x 4 Reducer
Tee, 10" x 6"	1061WT	1062WT 10" X 8" Tee + 0876WT 8" x 6" Reducer	1061ST	1062ST 10 X 8 Tee + 0876WT 8 x 6 Reducer
Tee, 12" x 4"	1260WT	1262WT 12" X 8" Tee + 0874WT 8" x 4" Reducer	—	
Tee, 12" x 6"	1261WT	1262WT 12" X 8" Tee + 0876WT 8" x 6" Reducer	—	
Tee, 12" x 10" *1	1263WT*	1264WT 12" Tee + 1210WT 12" x 10" Reducer	1263ST*	1264ST 12" Tee + 1210WT 12" x 10" Reducer
Wye, 6" x 4"	0680WT	0681WT 6" Wye + 0674WT 6" x 4" Reducer	0680ST	0681ST 6" Wye + 0674WT 6" x 4" Reducer
Wye, 8" x 4"	0880WT	0882WT 8" Wye + 0874WT 8" x 4" Reducer	0880ST	0882ST 8" Wye + 0874WT 8" x 4" Reducer
Wye, 8" x 6"	0881WT	0882WT 8" Wye + 0876WT 8" x 6" Reducer	0881ST	0882ST 8" Wye + 0876WT 8" x 6" Reducer
Wye, 10" x 4"	1080WT	1082WT 10" x 8" Wye + 0874WT 8" x 4" Reducer	—	
Wye, 10" x 6"	1081WT	1082WT 10" x 8" Wye + 0876WT 8" x 6" Reducer	—	
Wye, 12" x 4"	1280WT	1282WT 12" x 8" Wye + 0874WT 8" x 4" Reducer	—	
Wye, 12" x 6"	1281WT	1282WT 12" x 8" Wye + 0876WT 8" x 6" Reducer	—	
Wye, 12" x 10" *	1283WT*	1284WT 12" Wye + 1210WT 12" x 10" Reducer	1283ST*	1284ST 12" Wye + 1210WT 12" x 10" Reducer

## \* 12" x 10" Reducing Tee or Wye (WT or ST)

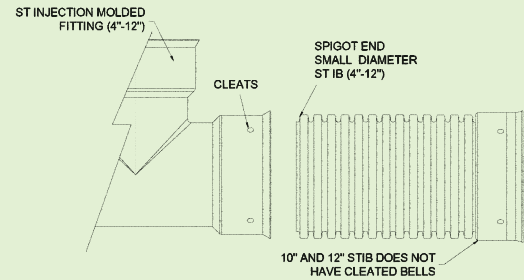
- 12" x 10" Tee:** order 1264 (WT or ST) 12" x 12" Tee, 1210WT 12" x 10" Bell/Bell Reducer, and approximately 15' of 12" diameter N-12 pipe to make the connection between the two bell ends.
- 12" x 10" Wye:** order 1284 (WT or ST) 12" x 12" Wye, 1210WT 12" x 10" Bell/Bell Reducer, and approximately 15' of 12" diameter N-12 pipe to make the connection between the two bell ends.

\*1 Additional pipe stub not shipped with item number, order this pipe separately



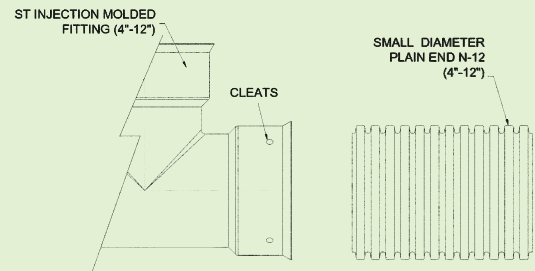
## Soil-Tight Connection to N-12 IB Pipe

Push home the spigot end of the N-12 IB pipe until the cleats on the fitting bell lock into the second or third valley of the pipe. If joining to the bell end of N-12 IB pipe, cut off the bell. For 12" N-12 IB pipe, the mini-corrugations will need to be removed prior to joining.



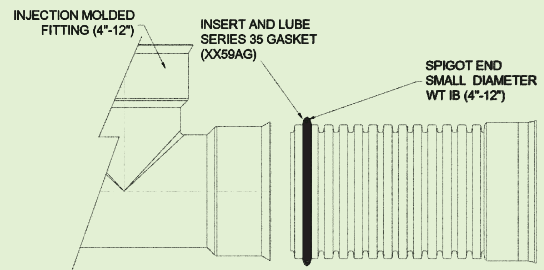
## Soil-Tight Connection to Plain End N-12 Pipe

Push home the plain end of the N-12 pipe until the cleats on the fitting bell lock into the second or third valley of the pipe.



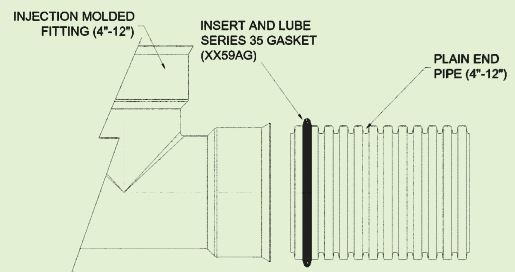
## Water-Tight Connection to N-12 IB Pipe

Insert the Series 35 gasket (XX59AG) in the first valley of the plain end of the N-12 IB pipe. Lube the gasket and the bell end of the injection molded fitting. Holding the fitting, push home the pipe end for a secure connection. For 12" N-12 IB pipe, the mini-corrugations will need to be removed prior to joining with a valley gasket installed on the end.



## Water-Tight Connection to Plain End N-12 Pipe

Insert the Series 35 gasket (XX59AG) in the first valley of the plain end of the N-12 pipe. Lube the gasket and the bell end of the injection molded fitting. Holding the fitting, push home the pipe end for a secure connection.



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