

Small Diameter N-12[®] 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[®] 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)

SOIL-TIGHT FITTINGS

(Cleated bells)

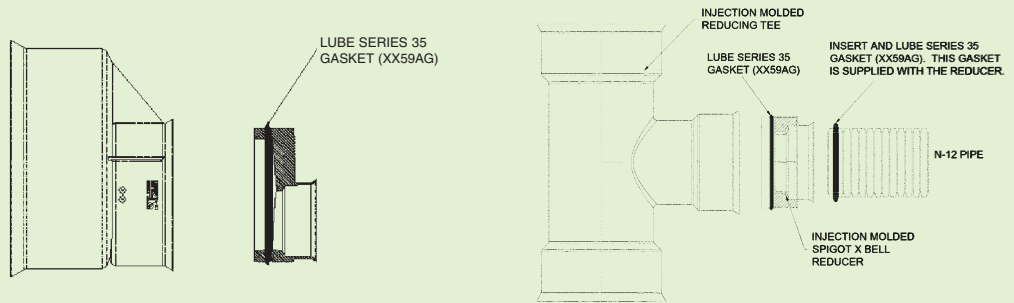
Size	Item Number	Replaces	Size	Item Number	Replaces	Size	Item Number	Replaces
Coupler, Bell/Bell 			Wye, Bell/Bell 			Tee, Bell/Bell 		
4"	0413WT	S35 10.8	4"	0480WT	0480AN	4"	0460ST	0460AN
6"	0613WT	S35 10.8	6" x 4"	0680WT*	—	6" x 4"	0660ST*	—
8"	0813WT	S35 10.8	6"	0681WT	0681AN	6"	0661ST	0661AN
			8"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

* 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.

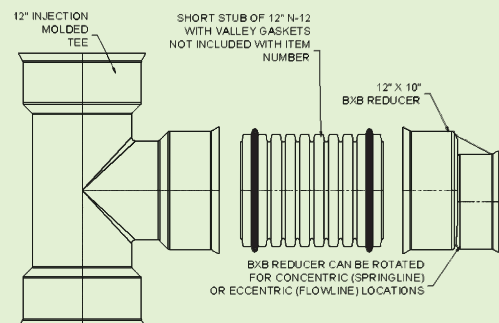


Fitting (Bell/Bell)	Water-Tight Fittings		Soil-Tight Fittings	
	Item No.	Consists of:	Item No.	Consists of:
Reducer, 10" x 4"	1074WT	1018WT 10 x 8 Reducer + 0874WT 8 x 4 Reducer	-	
Reducer, 10" x 6"	1076WT	1018WT 10 x 8 Reducer + 0876WT 8 x 6 Reducer	-	
Reducer, 12" x 4"	1274WT	1218WT 12 x 8 Reducer + 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" *	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)

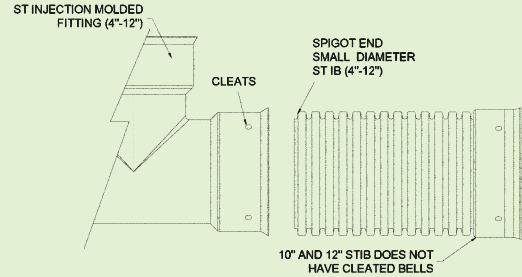
- 12" x 10" Tee:** order 1264 (WT or ST) 12" x 12" Tee, 1210WT 12" x 10" Bell/Bell Reducer, and approximately 15" of 12" diameter N-12 pipe to make the connection between the two bell ends.
- 12" x 10" Wye:** order 1284 (WT or ST) 12" x 12" Wye, 1210WT 12" x 10" Bell/Bell Reducer, and approximately 15"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

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



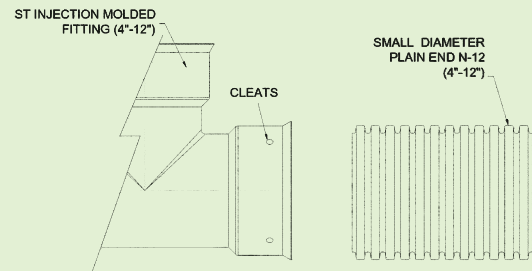
Soil-Tight Connection to N-12 IB Pipe

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.



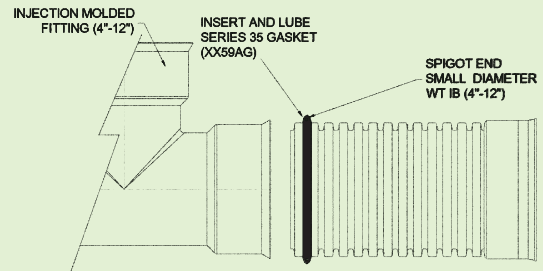
Soil-Tight Connection to Plain End N-12 Pipe

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.



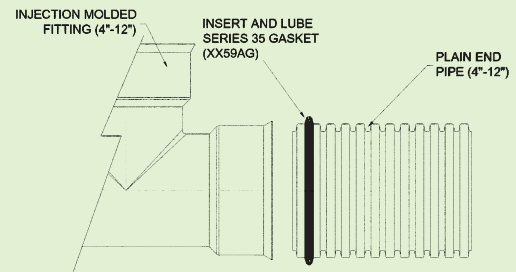
Water-Tight Connection to N-12 IB Pipe

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.



ADVANCED DRAINAGE SYSTEMS, INC.

4640 TRUEMAN BLVD., HILLIARD, OH 43026
800-821-6710 www.ads-pipe.com



**THE MOST
ADVANCED
NAME IN
DRAINAGE
SYSTEMS®**