

Xpando® Take-Off

Micro-Irrigation



Xpando Take-Off fittings are an improved method of connecting low pressure irrigation tubes and driplines to polyethylene tubes and PVC mainlines. Xpando Take-Off fittings and grommets are offered in a wide array of dimensions to fill all your micro-irrigation connection needs.

Application:

Agricultural, horticultural, vineyard and landscape applications.

Features and Benefits:

- Easy to install, reducing both time and cost of installation.
- Innovative Xpando Take-Off Adapter with collapsible barb prevents pull-out and reduces grommet damage during the installation process.
- Top Hat grommet with internal step combines with Xpando interference barb to hold take-off firmly in place.
- UV stabilized materials for long life.
- Compatible with standard polyethylene drip irrigation tubing, reducing cost and easing logistics.



Xpando 16mm Grommet Inlet x 16mm Take-Off



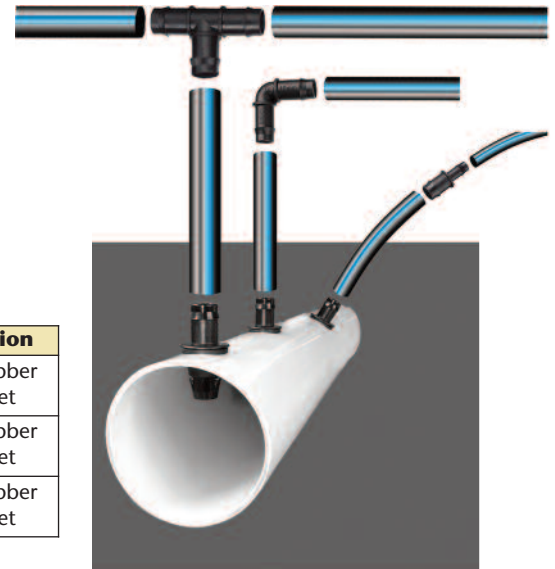
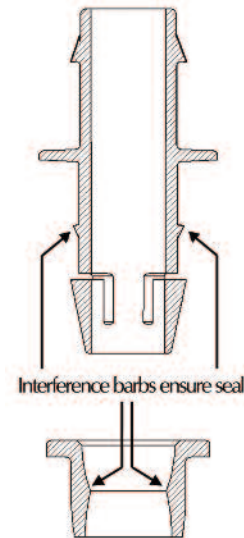
Xpando 13mm Grommet Inlet x 13mm Take-Off



Rubber Grommet 16mm



Rubber Grommet 13mm



Xpando Take-Off Adaptors - Toro Blue Stripe Hose

Part #	Description	Toro Hose
XP-13x13	13mm grommet inlet x 13mm takeoff	EHD1350
XP-13x14	13mm grommet inlet x 14mm takeoff	EHD1350
XP-13x15	13mm grommet inlet x 15mm takeoff	EHD1554
XP-16x16	16mm grommet inlet x 16mm takeoff	EHO1650
XP-16x18	16mm grommet inlet x 18mm takeoff	EHD1850
XP-19x21	19mm grommet inlet x 21mm takeoff	EHO2055

Xpando Take-Off Adaptors - Toro IPS Tubing

Part #	Description	Toro IPS
XP-13x15	13mm grommet inlet x 15mm takeoff	IPS50
XP-19x19	19mm grommet inlet x 19mm takeoff	IPS75
XP-19x25	19mm grommet inlet x 25mm takeoff	IPS100

Rubber Grommets

Part #	Description
CAP-13	13mm rubber grommet
CAP-16	16mm rubber grommet
CAP-19	19mm rubber grommet



The Xpando Take-Off is installed by first inserting the grommet into PVC or HDPE pipe, then inserting the collapsing barb into the Grommet. As the barb enters it collapses inward eliminating grommet damage.

Xpando® Take-Off Installation

Procedure

- Drill hole in PVC or HDPE pipe to the appropriate sized as per Installation Specification table.
- Clean burrs from edge of hole before inserting Grommet.
- Push Xpando adapter into grommet ensuring flange finishes flush with top of grommet. Lubricate with water to aid insertion.
- Install further connections to adapter using appropriately sized LDPE tube.

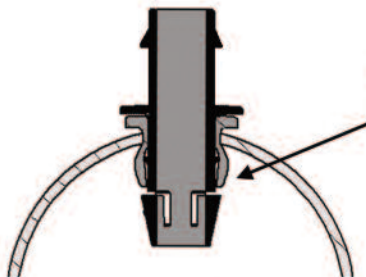
Tape Risor Assembly Details

Tape	Hose	Xpando	Grommet	Wire Tie	Min. PVC ID	Hole Size*
5/8"	EHD1350	XP-13x13	CAP-13	6"	1 1/2"	5/8"
7/8"	EHD1850	XP-16x18	CAP-16	7"	2"	3/4"
1"	EHO2055	XP-19x21	CAP-19	8"	2"	7/8"

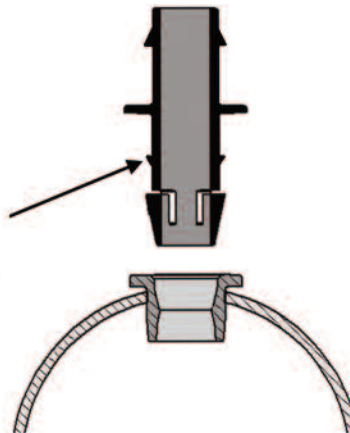
*Hose size and drill bit size are the same use forstner or step drill bit

Materials

ADAPTOR	MATERIAL
Xpando Adaptors: all sizes	Acetal
Rubber grommets: all sizes	Thermoplastic rubber

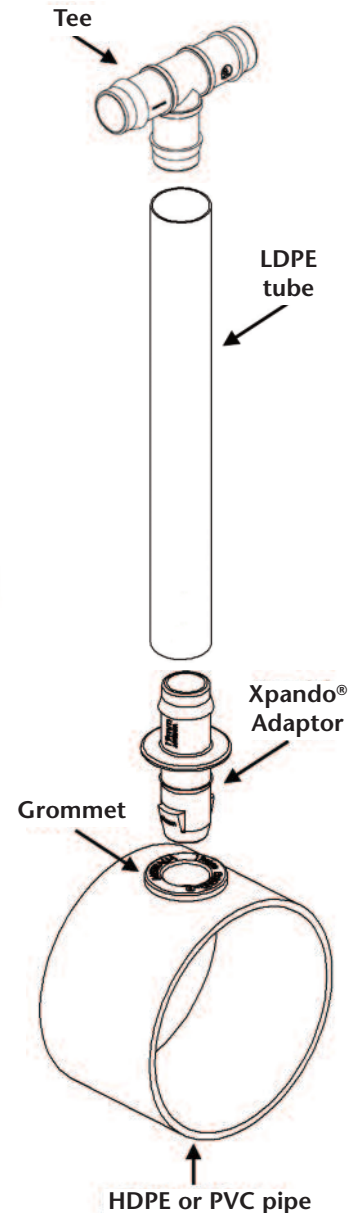


Interference between inlet barb and grommet causes grommet to expand and seal



Installation

STEP 1	STEP 2	STEP 3
<p>Drill hole to recommended hole size. Use low speed drill. Remove burrs from hole.</p>	<p>Place appropriate grommet firmly in hole with flange facing out.</p>	<p>Push Xpando take-off adaptor into grommet until flange and grommet are flush.</p>



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Count on it.