


The TORO logo is a red rounded rectangle with the word "TORO" in white, bold, sans-serif capital letters.

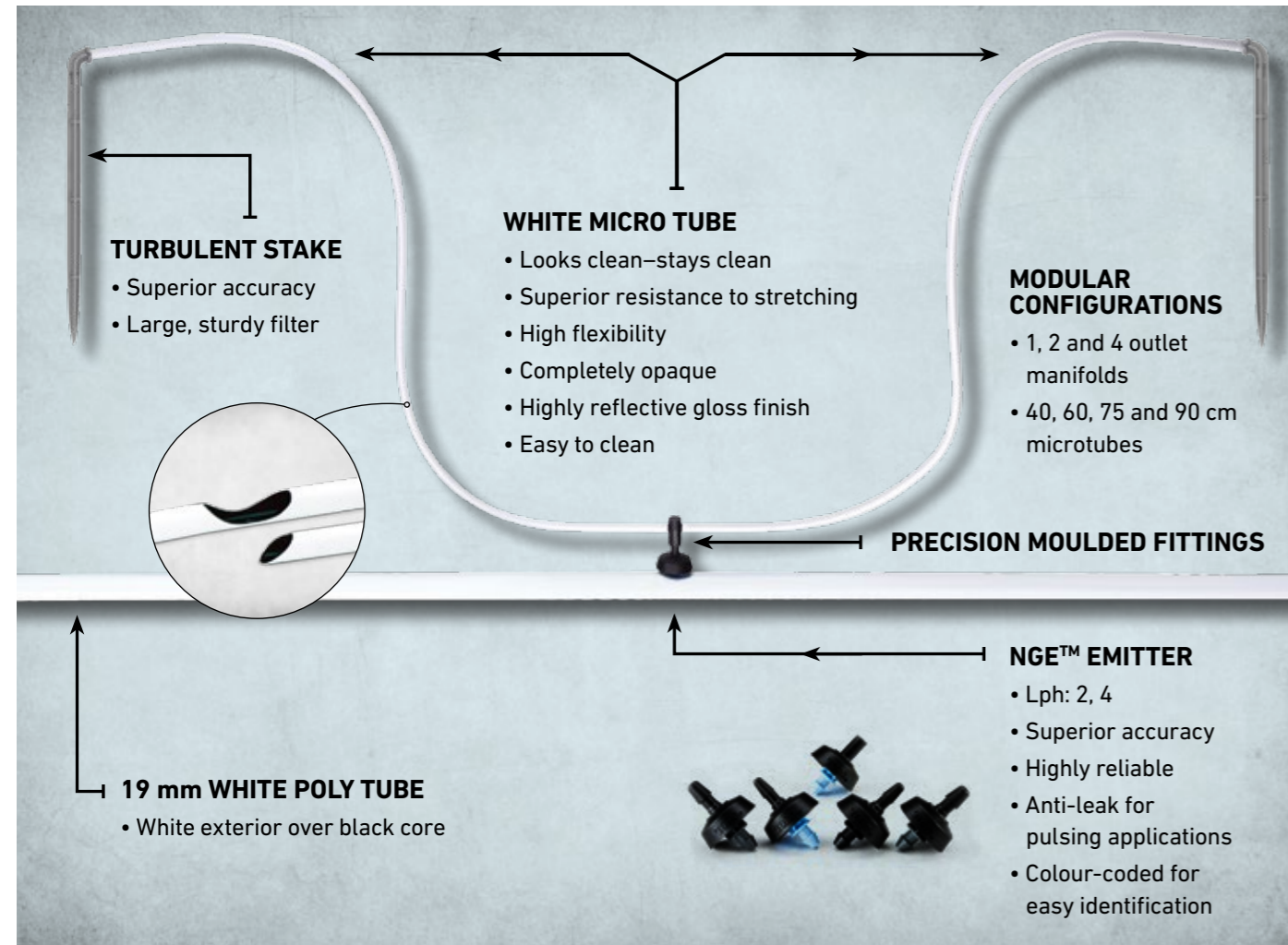
NGE™ DRIP EMITTERS AND SPIDER ASSEMBLIES

A long, perspective view of a greenhouse interior. Rows of tomato plants are trained vertically on both sides of a central aisle. The plants are lush green and heavily laden with small, round tomatoes in various stages of ripeness, from green to red. The greenhouse has a high, arched metal frame covered in clear plastic or glass panels, allowing bright light to filter through. The floor is covered with white plastic mulch, and the overall atmosphere is clean and well-maintained.

Precision delivery of water and nutrients
in greenhouse, nursery and landscape applications

Quality Drip Irrigation for High Value Crops

White Spider assemblies used with NGE anti-leak pressure compensating (AL PC) emitters are ideal for pot and hydroponic watering in greenhouses and nurseries. By applying water directly to the root system, foliage remains dry, decreasing the risk of disease and water washing off chemicals applied to the foliage.



Manufactured from quality resins, the bright white tubing is highly reflective, durable, flexible and easy to clean. The precision moulded NGE emitters and fittings provide accuracy and durability over multiple crop cycles.

19 mm Pre-Punched White Poly Tube

Developed for use with Toro NGE emitters and White Spider assemblies to provide a complete drip system solution.

- Brilliant white
- Premium quality
- High visibility
- Highly temperature reflective
- Completely opaque



Bright white layer over an opaque black core



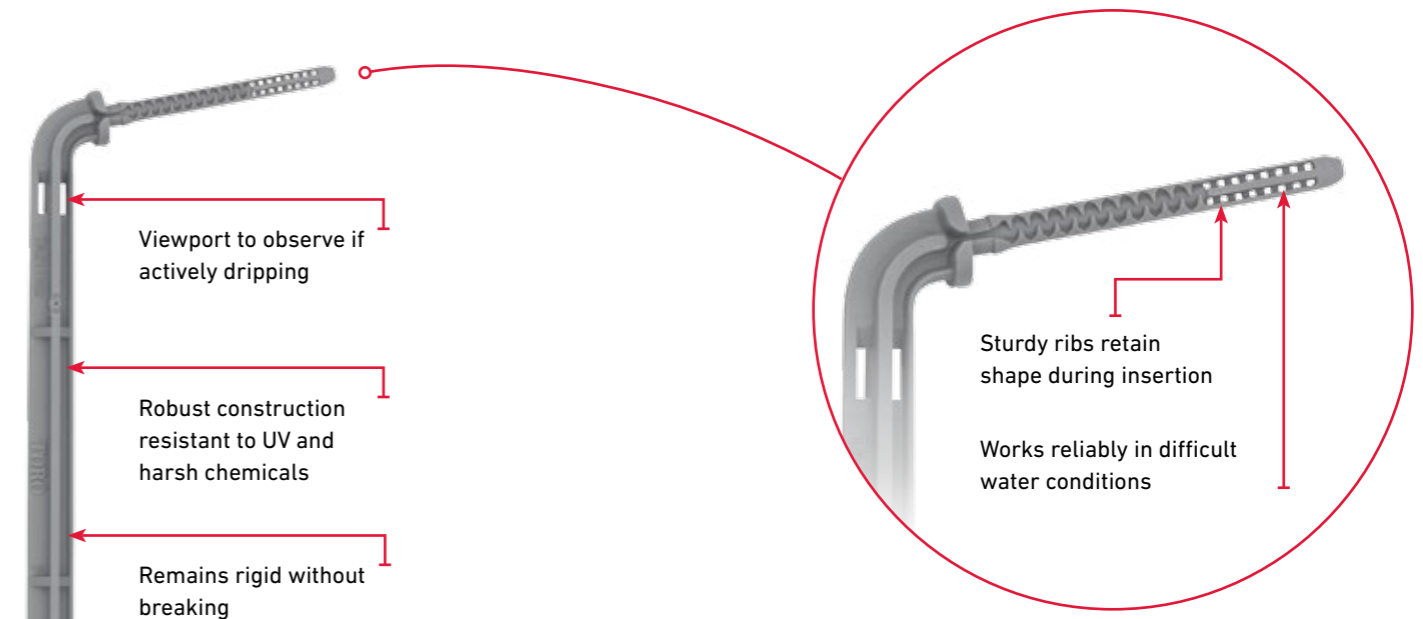
Pre-punched for ease-of-use

WHITE PRE-PUNCHED POLY ORDERING INFORMATION

Model	Description
WPP19XXX-350	19 mm White Pre-Punched Poly Tube (350 m roll)

XXX – specify the hole spacing in metres.
 Example: 0.60 m spacing would be specified as WPP19060-350.
 Custom coil lengths are available on request subject to availability and minimum order quantities. Please refer to customer service for details.

EVERY COMPONENT DESIGNED FOR DURABILITY AND EASE-OF-USE



NGE Emitter Features

- ✓ Pressure compensating mechanism provides uniform flow
- ✓ Continuously self-flushing diaphragm prevents debris build-up
- ✓ Anti-Leak configurations for improved efficiency in pulse irrigation
- ✓ Pre-assembled with tube and stake for easy installation
- ✓ Colour coded for easy identification
- ✓ Available in 3 outlet types
 - 3 mm barb outlet suits 3 mm ID micro tube
 - 4 mm barb outlet suits 4 mm ID micro tube
 - Male adaptor outlet connects to Spider assemblies
- ✓ Low CV for uniform discharge over wide pressure range



SPECIFICATIONS

Operational	Flows Available
• Opening pressure: 90 kPa	• 2LPH (Light Blue)
• Closing pressure: 24 kPa	• 4LPH (Grey)
• Recommended filtration: 140 mesh	



Stakes



Assembly Adaptors

WHITE AND BLACK SPIDER ACCESSORIES ORDERING INFORMATION

Model	Description
PRE-CUT MICRO TUBE	
SFHWT0335-16	3 mm x 40 cm White Pre-Cut Tube
SFHWT0335-24	3 mm x 60 cm White Pre-Cut Tube
SFHWT0335-30	3 mm x 75 cm White Pre-Cut Tube
SFHT0332-16	3 mm x 40 cm Black Pre-Cut Tube
SFHT0332-24	3 mm x 60 cm Black Pre-Cut Tube
SFHT0332-30	3 mm x 75 cm Black Pre-Cut Tube
SFHT0406	4 mm x 10 m Black Micro Tube (Roll)
STAKES	
IPST0301BQ-G	Grey Barbed Elbow Stake
IPST0301-G	Grey Turbulent Flow Straight Stake
IPST0301Q-G	Grey Turbulent Flow Elbow Stake
IPSTT0301BQ	Black Barbed Elbow Stake
IPSTT0301	Black Turbulent Flow Straight Stake
IPSTT0301Q	Black Turbulent Flow Elbow Stake
ASSEMBLY ADAPTORS	
FBST1	1 Outlet Barbed Straight x Female Adaptor
FBST2	2 Outlet Barbed Tee x Female Adaptor
FBST4	4 Outlet Manifold x Female Adaptor

ORDERING INFORMATION



WHITE SPIDER STAKE ASSEMBLY - PRESSURE COMPENSATING (PC) AND ANTI-LEAK PC (AL)

Model	Description
DSW-02-3ALQB-40	2 L/h PC AL Emitter with Grey Barbed Elbow Stake, 40 cm White Tube
DSW-02-3ALQB-60	2 L/h PC AL Emitter with Grey Barbed Elbow Stake, 60 cm White Tube
DSW-04-3ALQB-40	4 L/h PC AL Emitter with Grey Barbed Elbow Stake, 40 cm White Tube
DSW-04-3ALQB-60	4 L/h PC AL Emitter with Grey Barbed Elbow Stake, 60 cm White Tube

Note: Barbed Stake is recommended for use on Spider Stake Assemblies



1 WAY SPIDER - WHITE AND BLACK

Model	Description
1 WAY WHITE	
DBS1WQBX-60	1 Way Manifold with Grey Barbed Elbow Stake, 60 cm White Tube
DBS1WQBX-75	1 Way Manifold with Grey Barbed Elbow Stake, 75 cm White Tube
1 WAY BLACK	
DBS1KQBX-60	1 Way Manifold with Black Barbed Elbow Stake, 60 cm Black Tube
DBS1KQBX-75	1 Way Manifold with Black Barbed Elbow Stake, 75 cm Black Tube

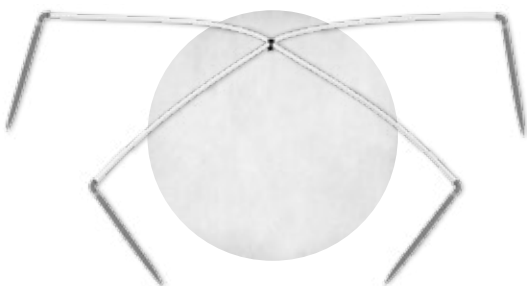
Note: Barbed Stake is recommended for use on 1 Way Spider



2 WAY SPIDER - WHITE AND BLACK

Model	Description
2 WAY WHITE	
DBS2WQTX-60	2 Outlet Barbed Tee with Grey Turbulent Elbow Stake, 2 x 60 cm White Tube
DBS2WQTX-75	2 Outlet Barbed Tee with Grey Turbulent Elbow Stake, 2 x 75 cm White Tube
2 WAY BLACK	
DBS2KQTX-60	2 Outlet Barbed Tee with Black Turbulent Elbow Stake, 2 x 60 cm Black Tube
DBS2KQTX-75	2 Outlet Barbed Tee with Black Turbulent Elbow Stake, 2 x 75 cm Black Tube

Note: Turbulent Stake is recommended for use on 2 Way Spider



4 WAY SPIDER - WHITE AND BLACK

Model	Description
4 WAY WHITE	
DBS4WQTX-60	4 Outlet Manifold Cross with Grey Turbulent Elbow Stake, 4 x 60 cm White Tube
DBS4WQTX-75	4 Outlet Manifold Cross with Grey Turbulent Elbow Stake, 4 x 75 cm Black Tube
4 WAY BLACK	
DBS4KQTX-60	4 Outlet Manifold Cross with Turbulent Elbow Stake, 4 x 60 cm Black Tube
DBS4KQTX-75	4 Outlet Manifold Cross with Turbulent Elbow Stake, 4 x 75 cm Black Tube

Note: Turbulent Stake is recommended for use on 4 Way Spider



NGE DRIP EMITTERS - PRESSURE COMPENSATING (PC) AND ANTI-LEAK (AL)

Model	Description
DPCT02-3-AL-BLUE	2 L/h PC AL Emitter - 3 mm Barb Outlet
DPCT02-4-AL-BLUE	2 L/h PC AL Emitter - 4 mm Barb Outlet
DPCT02-MA-AL-BLUE	2 L/h PC AL Emitter - Male Adaptor Outlet
DPCT04-3-AL-BLK	4 L/h PC AL Emitter - 3 mm Barb Outlet
DPCT04-4-AL-BLK	4 L/h PC AL Emitter - 4 mm Barb Outlet
DPCT04-MA-AL-BLK	4 L/h PC AL Emitter - Male Adaptor Outlet