

Spider assemblies

Pre-assembled multi-outlet irrigation assemblies designed to distribute water from a single hub dripper to multiple irrigation points.



Benefits & Features

Fast and efficient installation

Pre-assembled components significantly reduce installation time and labor costs in the field. Advanced assembly processes ensure consistent quality and reliable performance.

Long-lasting clogging resistance

High resistance to UV radiation and compatibility with commonly injected nutrients used in landscape and nursery irrigation systems.

Flexible system design

Emitters can be positioned precisely according to project requirements, enabling accurate adaptation to the irrigation layout. Allows uniform distribution of the hub dripper flow across multiple outlets.

Consistent quality and sustainability

All drippers and assembly components are designed and manufactured under Netafim™ quality standards, ensuring uniform performance and system reliability.

The tubes are made from recyclable materials, similar to integral driplines, supporting environmentally responsible use.

Applications



Turf



Shrubs & Trees



Nurseries

- Suitable for on-surface installation.
- Ideal for irrigation in nurseries, pots, planters, container applications and landscape installations.
- Recommended for extending the irrigation capabilities of on-line drippers and Netafim™ Hybrid driplines.



Specifications

- Maximum operating pressure must comply with the specifications of all Spider assembly components.
- The minimum operating pressure depends on the technical specifications of the selected hub dripper.
- When multiple irrigation points are required, it is recommended to use Spider assemblies with Netafim™ Arrow drippers at each outlet to ensure uniform flow distribution.
- For single irrigation points, Netafim™ Spikes can be used as the end component.
- Recommended minimum flow per outlet: 0.5 l/h. The number of outlets should be defined accordingly. For example: 2.0 l/h hub dripper → maximum 4 outlets. 1.2 l/h hub dripper → maximum 2 outlets.
- High resistance to UV radiation and compatibility with nutrients used in landscape and nursery irrigation systems.

Single-outlet configuration

Step 1 – Select the inlet connection

Straight or angled adapter

Adapters can be connected to press-fit outlets of on-line drippers or to the Hybrid outlet of Netafim™ integral driplines. Alternatively, TechFlow™ Junior or PCJ™ drippers with a 3 mm straight or angled barbed outlet can be used (available in all models and flow rates).

Step 2 – Select the micro-tube

Type: SPE (Soft PE) or SSPE (Super Soft PE).

Color: black or light gray.

Length: according to project requirements (e.g., 40, 60, 80 cm or other).

Step 3 – Select the end accessory

Netafim™ Spike model (according to crop requirements).



Catalog numbers

Because of the wide range of available configurations (different flow rates, components and additional specifications), the final catalog number must be confirmed with your local Netafim™ representative after completing the product definition.

Complete the product specification using the options provided in the following flow chart.

How to use: Select one option from each category in the chart to define the most appropriate product configuration for your application.

Prefix	Initial component	Dripper flow rate (l/h)	Dripper outlet type	Adapter tube	Micro-tube	Micro-tube length (m)	Spike model	Spike color
Assembled Spiders	Without hub dripper	Without hub dripper	Without hub dripper	Straight adapter black	Soft PE Black	0.2 0.20M	Long	Black
SR	PCJ™ AS	Select flow rate based on the selected hub dripper model	3 mm straight	Straight adapter gray	Soft PE Gray	0.3 0.30M	Short	Gray
	PCJ™ LCNL		3 mm angled	Angled adapter black	Super Soft PE Black	0.4 0.40M	Drop splitter	
	PCJ™ HCNL			Angled adapter gray	Super Soft PE Gray	0.5 0.50M		
	PCJ™ PRO AS			Without adapter		0.6 0.60M		
	PCJ™ PRO LCNL					0.7 0.70M		
	PCJ™ PRO HCNL					0.8 0.80M		
						0.9 0.90M		
						1.0 1.00M		
						*Other lengths can be ordered.		
SR W/OD MEL-FPE-G SSG-0.50M SPK-S-G								

Catalog description example

Multiple-outlet configuration

Step 1 – Select the inlet adapter

2-outlet or 4-outlet adapter

Expandable 4-outlet adapter for extended configurations (up to 6 or 8 outlets using stacked adapters).

All adapters are compatible with male press-fit outlets of Netafim™ on-line drippers and with Hybrid outlets of Netafim™ integral driplines.

The minimum operating pressure depends on the technical specifications of the selected hub dripper.

Hub dripper flow rates must be selected to meet the recommended design criteria (not less than 0.5 l/h per outlet).

For further technical information and hydraulic design guidelines, please consult your local Netafim™ representative.

Step 2 – Select the micro-tubes

Quantity: according to the number of outlets.

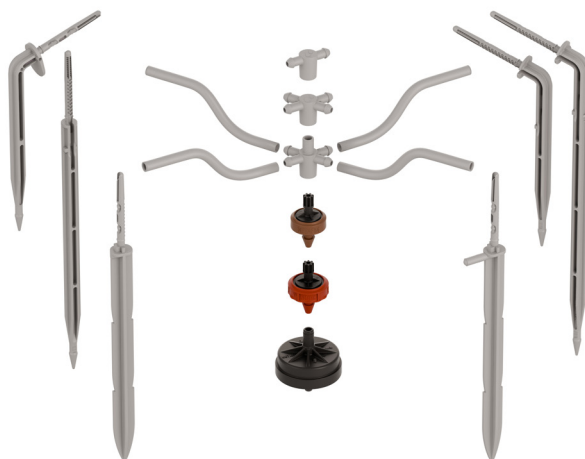
Type: SPE (Soft PE) or SSPE (Super Soft PE).

Color: black or light gray.

Length: according to project requirements (e.g., 40, 60, 80 cm or other).

Step 3 – Select the end dripper

Netafim™ Arrow dripper (according to crop requirements).



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How to use: Select one option from each category in the chart to define the most appropriate product configuration for your application.

Prefix		Initial component		Dripper flow rate (l/h)		Dripper outlet type		Adapter tube		Micro-tube		Micro-tube length (m)		Arrow dripper model		Arrow dripper color	
Assembled Spiders	SR	Without hub dripper	W/OD	Without hub dripper	-	Without hub dripper	-	Adapter 2 outlets black	M2-F	Soft PE Black	S-	0.2	0.20M	Angled 1.6	A1.6	Black	Bk
		PCJ™ AS	PCJ	Select flow rate based on the selected hub dripper model	XLH	Nipple	NIP	Adapter 2 outlets gray	M2-F-G	Soft PE Gray	SG-	0.3	0.30M	Angled 2.3	A2.3	Gray	GR
		PCJ™ LCNL	PCJL			Adapter 4 outlets black	M4-F	Super Soft PE Black	SS-	0.4	0.40M	Angled 1.6 DS	A16DS				
		PCJ™ HCNL	PCJH			Adapter 4 outlets gray	M4-F-G	Super Soft PE Gray	SSG-	0.5	0.50M	Short angled 2.3	AS2.3				
		PCJ™ PRO AS	PCJP			Expandable 4 outlets black	M4E-F			0.6	0.60M	Straight 2.3	SA2.3				
		PCJ™ PRO LCNL	PCJPL			Expandable 4 outlets gray	M4E-F-G			0.7	0.70M	Straight with plug 2.3	SAP2.3				
		PCJ™ PRO HCNL	PCJPH					0.8	0.80M	Straight with splitter 2.3	SAS2.3						
		PC AS	PC					0.9	0.90M								
		PC LCNL	PCL					1.0	1.00M								
PC HCNL	PCH																
*Other lengths can be ordered.																	
SR PCJL 4LH NIP M4-F-G SSG- 0.50M A2.3 GR																	

Catalog description example

To simplify the definition of the required Spider assembly configuration, considering inlet connection, micro-tube type and length and end accessories, Netafim™ configuration software can be used.

