



PRODUCT INFO

PRODUCT NAME

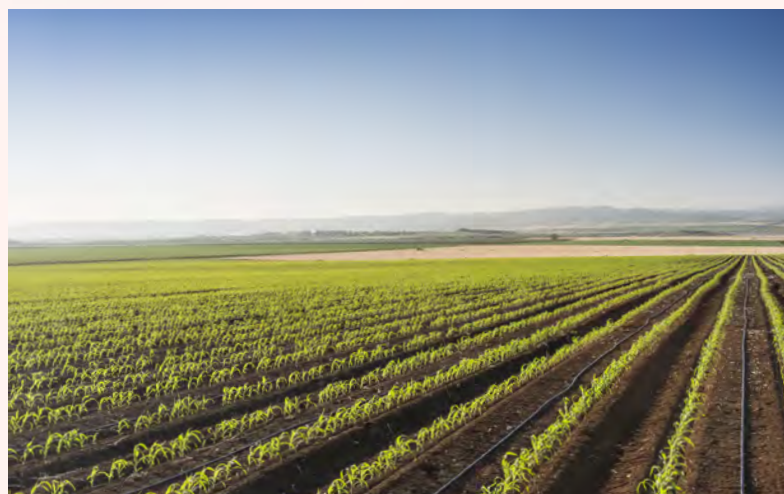
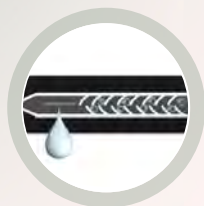
helitape driplab

MATERIALS

Linear tubing made of polyethylene (PE) and low-density polyethylene (LDPE).
Drippers made of polyethylene.

SPECIFICATIONS

- Working Pressure: 0,98 bar
- 4 available flow rates:
0.6 L/h | 0.8 L/h | 1.2 L/h | 1.5 L/h
- Available in 16 mm and 22 mm
- Continuous dripper, inserted during extrusion
- Recommended filtration:
120 micron
140 micron (for 0.6 and 0.8 l/h)



each drop makes the difference

DESCRIPTION

helitape driplab is the new generation of high-precision drip tape, developed for precision agriculture, where the goal is to extract maximum yield from each hectare with minimum water and energy consumption. It features a redesigned filtration system, optimized flow rate, and factory quality control supported by artificial intelligence software; each meter of tape is checked to guarantee uniform flow and the absence of defects.

Manufactured with durable materials and advanced drippers, the **helitape driplab** ensures a homogeneous distribution of water and nutrients, reduces the risk of clogging, and maintains performance even in long and demanding campaigns.

Available in various spacings, thicknesses, and flow rates, it easily adapts to the type of crop, soil, and fertigation strategy, simplifying fieldwork and increasing the profitability of drip irrigation.

Application Areas

- Open field crops (corn, vegetables, berries, extensive crops), especially in loose or well-drained soils.
- Greenhouses and horticultural tunnels, where ensuring irrigation uniformity and a quick response to plant needs is crucial.
- Extensive subirrigation systems and irrigation projects requiring long lines and strict control of water and fertilizer costs.

Key Features

- High-turbulence internal labyrinth and wide passages, designed to minimize clogging and maintain stable flow throughout the line.
- New filtration configuration and flow options that improve efficiency in water and fertilizer application, reducing losses and runoff.
- Continuous monitoring of the manufacturing process with artificial intelligence software, which detects micro-defects in real time and ensures consistent manufacturing quality in each roll.
- Double-colored tape for immediate identification of the dripper side, facilitating field installation and reducing assembly errors.
- High mechanical resistance to traction and clogging, produced with high-quality raw materials and available in spacings starting from 10 cm for better adaptation to different crops.



PRODUCT INFO

Ø Nominal (mm)	Thickness (mil)	ROLL LENGTH (m)
16	5	3900
16	6	3000
16	8	2300
16	10	1800

Ø Nominal (mm)	Thickness (mil)	ROLL LENGTH (m)
22	8	1800
22	10	1500

Maximum length (m) for 0.7 bar, flat surface

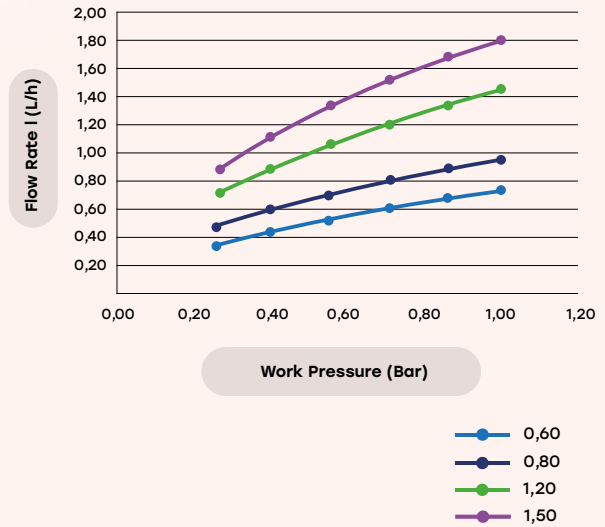
Ø (mm)	Flow -Rate (l/h)	Flow -Rate variação	Spacing between drippers (m)			
			10	20	30	40
16	0,6	EU 90%	135	210	280	329
16	0,6	EU 85%	176	272	349	420
16	0,8	EU 90%	117	184	237	288
16	0,8	EU 85%	151	234	310	363
16	1,2	EU 90%	92	141	184	217
16	1,2	EU 85%	126	191	244	283
22	0,6	EU 90%	229	355	470	562
22	0,6	EU 85%	-	460	597	719
22	1,0	EU 90%	168	259	335	421
22	1,0	EU 85%	215	331	425	518
22	1,8	EU 90%	111	177	233	274
22	1,8	EU 85%	142	231	298	359





helitape driplab specifications

PRESSURE VS FLOW RATE (BAR)								
BAR	0,25	0,40	0,55	0,70	0,85	1,00	constant k	exponent k
0,60	0,36	0,45	0,53	0,60	0,66	0,72	0,22	0,51
0,80	0,47	0,60	0,70	0,80	0,88	0,95	0,30	0,51
1,20	0,71	0,90	1,06	1,20	1,33	1,44	0,45	0,51
1,50	0,89	1,13	1,33	1,50	1,66	1,80	0,56	0,51



NUMBER OF ROLLS PER LOAD								
Rolls VS Pallets	20-foot container			40-foot container			truck	
	Pallets	Rolls in Pallet	Loose Rolls	Pallets	Rolls in Pallet	Loose Rolls	Pallets	Rolls
20	20	400	450	40	800	910	40	800

