



HIRRO TAPE





IRRIGATION TAPE WITH CONTINUOUS LABYRINTH

hirro[®]tape

Design of continuous labyrinth provides a high degree of resistance to clogging and longer use of the system, and therefore the more rational use of water. A special system of design of a tape with constant labyrinths provides superior performance and uniformity of emitters.



- Seamless construction for greater reliability
- Precisely shaped emitters for high uniformity of flow
- Double water filtration through the 110 properly positioned points
- Micro precise slits eliminates blockages on the startup and prevents from root intrusion
- The turbulent flow-path design provides high degree of resistance to clogging
- Available in a wide range of wall thicknesses, outlet spacings and flow rates
- Clearly visible blue ribbons for better recognition and indicators emitters
- High resistance to tensile and cracking
- Strong material resistant to abrasion reduces land damages
- Thanks to the versatility and reliability it is easy to install and reduces your work time
- The production of the system and its quality is in accordance with DIN EN ISO 9261:2011.

TECHNICAL DATA

DIAMETER [Ø]	WALL THICKNESS	INNER DIAMETER [ID]	OUTER DIAMETER [OD]	OPERATING PRESSURE	PRESSURE OF WASHING	MINIMAL FILTRATION
16mm	6mil [150mic]	16,1mm	16,4mm	0.7bar	1.2bar	100mic / 150mesh
16mm	8mil [200mic]	16,1mm	16,5mm	0.7bar	1.7bar	100mic / 150mesh
16mm	10mil [250mic]	16,1mm	16,6mm	0.7bar	2.1bar	100mic / 150mesh
16mm	12mil [300mic]	16,1mm	16,7mm	0.7bar	2.4bar	100mic / 150mesh



FILTRATION

Double-filtration of water through 110 properly positioned points.



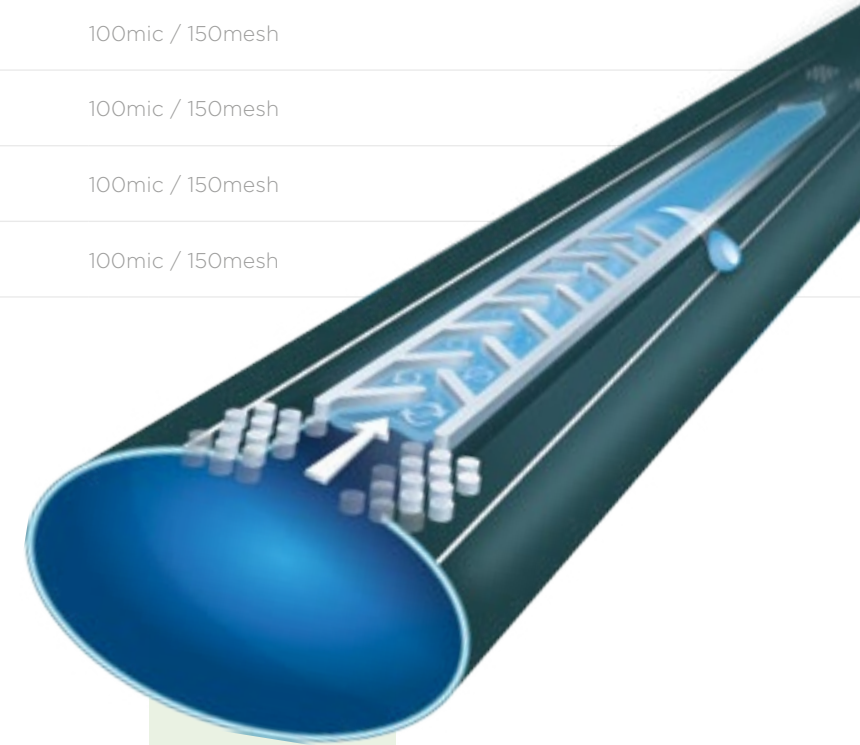
LABYRINTH

Constant labyrinth of flow control



WATER OUTPUT

Micro-precise slit



98%
UNIFORMITY
GARANTED

LENGTH OF THE APPLICATION OF THE HIRRO® TAPE (in meters)

Depending of the uniformity of the field with a constant pressure of 0.7 bar for pipe diameters Ø16.

EMITTER FLOW RATE	UNIFORMITY	10CM	15CM	20CM	30CM	40CM
0,6 L/h	90%	140m	180m	210m	268m	320m
	85%	170m	220m	260m	335m	400m
1,0 L/h	90%	100m	125m	150m	190m	225m
	85%	125m	160m	185m	235m	280m
1,5 L/h	90%	35m	45m	50m	65m	80m
	85%	75m	95m	115m	150m	180m

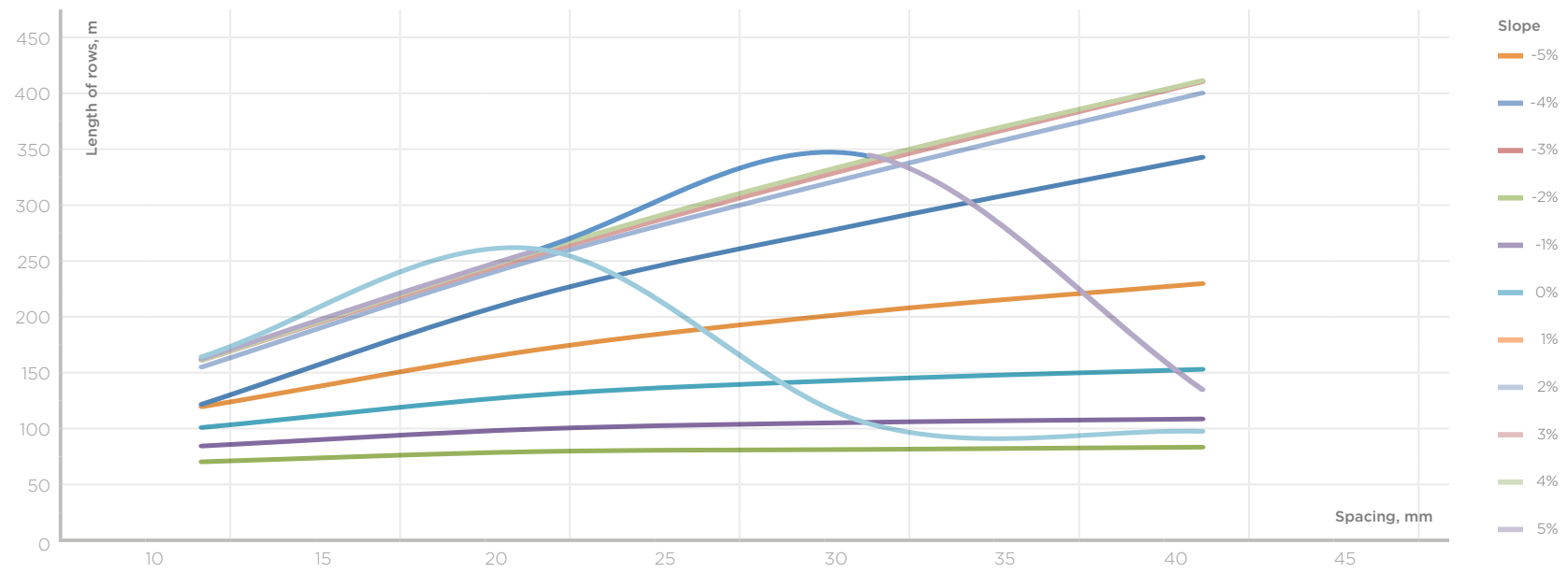
Use and selection

In this time of water and resource conservation, drip irrigation is very important. It is cheaper to install this system than traditional irrigation systems and it uses much less water.

Light- walled products are for short season crops, for soil without rocks. Medium wall thickness products are for general use in longer-term crops and average soil conditions. Heavy wall-thickness products are designed for rocky soils, when insects can damage stripes or for more than one season.

Length of the row depending on the emitter spacing

The terrain inclination from -5% to +5%, 85% uniformity of flow, working pressure of 0.7 bar, 16mm ID





hirro[®]tape - product range

The table shows the characteristics of the wall thickness of 0.15 mm and 0.20 mm with spacing of emitters to 10cm, 20cm and 30cm. There is a possibility of making tape with a special purpose wall thickness as well as special purpose space emitters.

CODE	PRODUCT DESCRIPTION	INNER DIAMETER [ID]	WALL THICKNESS [MIL/MIC]	EMITTER SPACING	FLOW L/EMITTER	FLOW L/METER	COIL LENGTH
16060610	Hirro [®] Tape 6	16mm	6mil [150mic]	10cm	0,6l/h	6l/h/m	3000m
16060615	Hirro [®] Tape 6	16mm	6mil [150mic]	15cm	0,6l/h	4l/h/m	3000m
16060620	Hirro [®] Tape 6	16mm	6mil [150mic]	20cm	0,6l/h	3l/h/m	3000m
16060630	Hirro [®] Tape 6	16mm	6mil [150mic]	30cm	0,6l/h	2l/h/m	3000m
16080610	Hirro [®] Tape 6	16mm	8mil [200mic]	10cm	0,6l/h	6l/h/m	2500m
16080615	Hirro [®] Tape 6	16mm	6mil [150mic]	15cm	0,6l/h	4l/h/m	3000m
16080620	Hirro [®] Tape 6	16mm	8mil [200mic]	20cm	0,6l/h	3l/h/m	2500m
16080630	Hirro [®] Tape 6	16mm	8mil [200mic]	30cm	0,6l/h	2l/h/m	2500m
16061010	Hirro [®] Tape 10	16mm	6mil [150mic]	10cm	1,0l/h	10l/h/m	3000m
16061015	Hirro [®] Tape 10	16mm	6mil [150mic]	15cm	1,0l/h	6,5l/h/m	3000m
16061020	Hirro [®] Tape 10	16mm	6mil [150mic]	20cm	1,0l/h	5l/h/m	3000m
16061030	Hirro [®] Tape 10	16mm	6mil [150mic]	30cm	1,0l/h	3,5l/h/m	3000m
16081010	Hirro [®] Tape 10	16mm	8mil [200mic]	10cm	1,0l/h	10l/h/m	2500m
16081015	Hirro [®] Tape 10	16mm	8mil [200mic]	20cm	1,0l/h	6,5l/h/m	2500m
16081020	Hirro [®] Tape 10	16mm	8mil [200mic]	20cm	1,0l/h	5l/h/m	2500m
16081030	Hirro [®] Tape 10	16mm	8mil [200mic]	30cm	1,0l/h	3,5l/h/m	2500m
16061510	Hirro [®] Tape 15	16mm	6mil [150mic]	10cm	1,5l/h	15l/h/m	3000m
16061515	Hirro [®] Tape 15	16mm	6mil [150mic]	15cm	1,5l/h	10l/h/m	3000m
16061520	Hirro [®] Tape 15	16mm	6mil [150mic]	20cm	1,5l/h	7,5l/h/m	3000m
16061530	Hirro [®] Tape 15	16mm	6mil [150mic]	30cm	1,5l/h	5l/h/m	3000m
16081510	Hirro [®] Tape 15	16mm	8mil [200mic]	10cm	1,5l/h	15l/h/m	2500m
16081515	Hirro [®] Tape 15	16mm	8mil [200mic]	20cm	1,5l/h	10l/h/m	2500m
16081520	Hirro [®] Tape 15	16mm	8mil [200mic]	20cm	1,5l/h	7,5l/h/m	2500m
16081530	Hirro [®] Tape 15	16mm	8mil [200mic]	30cm	1,5l/h	5l/h/m	2500m