



# CINTAPE

Irrigation Tape 6-8 mil with turbulent flow labyrinth dripper



**GESTIRIEGO**



**MICROIRRIGATION PIPING**



# CINTAPE

**CINTAPE** is an emitter irrigation tape with a turbulent labyrinth suitable for seasonal crop irrigation. The flat irrigation emitter, with a labyrinth on the internal tape wall, increases the uniformity of the flow rate emission and removes the possibility of clogging.

## CHARACTERISTICS / BENEFITS

- Manufactured with high-quality materials.
- Anti-clogging thanks to the dripper filtering area.
- Extruded labyrinth with an even design along the entire length of the branch, ensuring maximum emission evenness regarding flow rates and crop profitability.
- Flexible design that adapts to crop needs.
- Savings in costs arising from irrigation installation and maintenance.
- Great branch lengths for each flow rate and spacing option.
- Product storage, transport and handling optimisation.
- Resistance to UV rays and products used in agriculture (fertilisers, etc.)

## APPLICATIONS

Ideal for intensive and seasonal crops in surface irrigation installations, optimising the investment in the installation without losing quality in the cultivated product.

Especially for crops that require short spaces between emitters.

## CINTAPE ALTERNATIVES



CINTAPE			
DIAMETER	FLOW RATE		SEPARATION BETWEEN EMITTERS
	6-8 MIL	10-24 MIL	
mm	l/h	l/h	m
16 22	P: 0,7 bar		0'10, 0'20, 0'30, 0'40, 0'50, 0'60
	0,6	0,7	
	0,9	1,0	
	1,2	1,4	
	1,5	1,8	

\*According to the UNE EN ISO 9261 standard. Agricultural irrigation equipment. Emitters and emitting pipe.

Specifications and test methods.

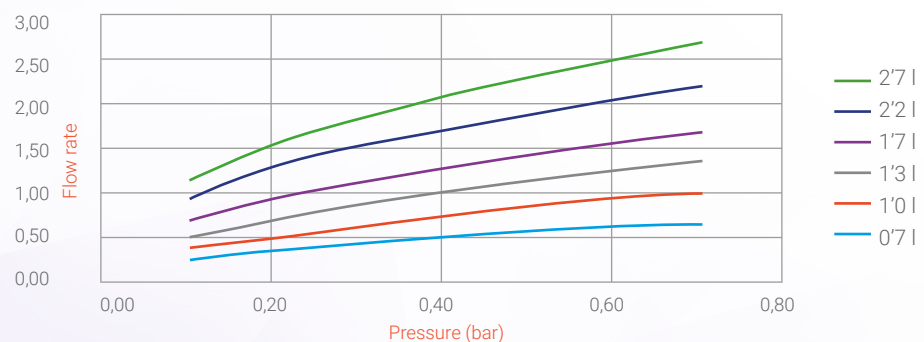
## TECHNICAL DATA

WALL THICKNESS 6-8 MIL					
NOMINAL DIAMETER	INTERNAL Ø	WALL THICKNESS	EXTERNAL Ø	NOMINAL PRESSURE	MAXIMUM WORKING PRESSURE
mm		l/h		bar	m
16	16	6 / 0,15	16,30	0,70	0,70
	16	8 / 0,20	16,40	0,70	0,70
22	22	8 / 0,20	22,40	0,70	0,70

### CHARACTERISTIC EQUATION

FLOW RATE	$q = k \cdot p^x$
l/h	q (l/h), p (bar)
0,6	$q = 0,7 \cdot p^{0,49}$
0,9	$q = 1,0 \cdot p^{0,49}$
1,2	$q = 1,4 \cdot p^{0,49}$
1,5	$q = 1,8 \cdot p^{0,49}$

\*Being 'q' (l/h) and 'p' (bar)



Ø16 6 MIL CINTAPE ROLL	
DISTANCE (cm)	m/roll
mm	m
10	2800
20	2800
30	2800
Ø16 8 MIL CINTAPE ROLL	
10	2200
20	2200
30	2200

\*Contact us about other sizes.





l/h DEPENDING ON FLOW RATE AND PRESSURE							
FLOW RATE	PRESSURE						
	0,10	0,20	0,30	0,40	0,50	0,60	0,70
	bar						
0,6	0,23	0,32	0,39	0,45	0,50	0,54	0,59
0,9	0,35	0,49	0,60	0,69	0,77	0,84	0,91
1,2	0,45	0,64	0,78	0,89	1,00	1,09	1,18
1,5	0,58	0,82	1,00	1,15	1,28	1,40	1,51

BRANCH LENGTHS IN FLAT TERRAIN							
DIAMETER	FLOW RATE	PRESSURE					
		0,10	0,20	0,30	0,40	0,50	0,60
		bar					
16	0,6	86	168	224	272	316	351
	0,9	60	118	157	190	221	245
	1,2	43	85	112	136	158	176
	1,5	34	68	90	113	125	141
22	0,6	162	318	424	515	597	664
	0,9	114	223	296	359	418	464
	1,2	82	160	211	257	299	332
	1,5	65	128	170	213	236	266

\*0.7 bar inlet pressure

10% Max. variation

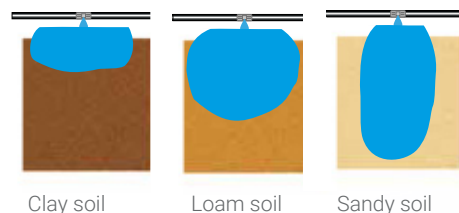
## RECOMMENDED SEPARATION BETWEEN EMITTERS

### Depending on crop type

- Lettuce, celery, broccoli: 10-20 cm
- Melon, watermelon, tomato, corn: 30-40 cm
- Special cases: 50-60 cm

### Depending on the soil type

- Sandy loam soil: 10-20 cm
- Clay loam soil: 30-40 cm
- Special cases: 50-60 cm



## RECOMMENDED FITTINGS

**TAPE-TAPE COUPLING** It guarantees the perfect junction between irrigation tape sections.



### (CONEXIONES CON OTRAS TUBERÍAS)

**TUBE-TAPE COUPLING** It enables compatibility of multi-seasonal piping with the irrigation tape in the same installation.



**1/2" MALE THREAD TAPE ELBOW** It connects a section of irrigation tape in the shape of an elbow to a flexible PVC flat hose by means of the lay flat nut set.

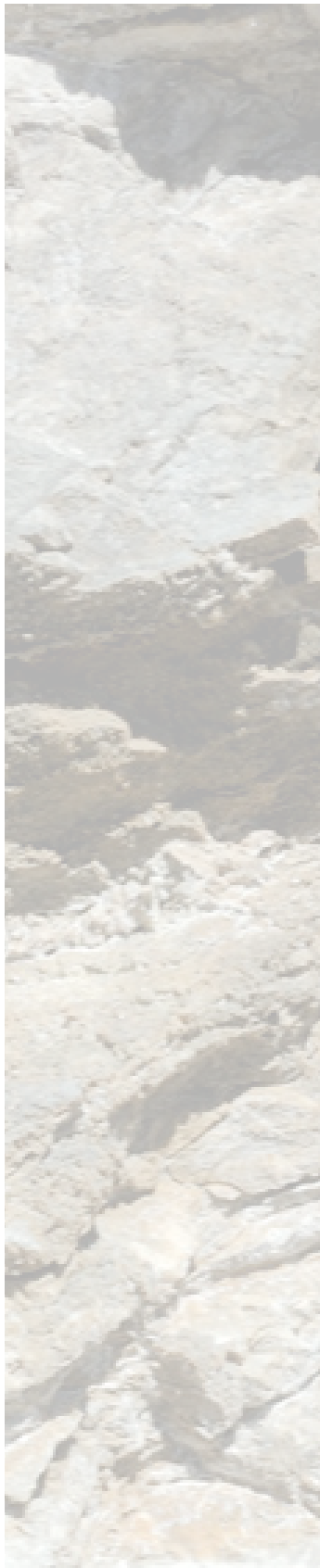


**1/2" MALE THREAD TAPE TEE** It connects two sections of irrigation tape in the shape of a tee on a flexible PVC flat hose by means of the lay flat nut set.



**LAY-FLAT TAPE SOCKET** It connects the irrigation tape to a flexible PVC flat hose.





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