



# irritime

## STAR T-TAPE DRIP PIPE



Vineyard



Fruit Garden



olive grove



Greenhouse



Open Field Crops



Row Crops



Plant nursery



LandScape

Flat Terrain

Constant Flow Rate

Above ground

Thin and Medium



### STAR-T

Made from high quality original raw materials.

- Durable and has good environmental stress cracking resistance.
- High UV resistance.
- Low pressure losses thanks to its smooth inner surface.
- High resistance against fertilizers and chemicals.
- Drippers have high resistance against clogging.
- Drippers have wide channels against blockages that may occur due to turbulent flow.
- Dripper flow rates are 1,0 - 1,6 - 2,2 - 3,5 Lt/h.

Irritime STAR T-TAPE DRIP PIPE

Diameter	Mil	Wall Thickness (mm)	Inner Diameter (mm)	Outer Diameter(mm)	Maks. Working Pressure(Bar)
17 mm	6	0,150	16,1	16,4	1,0
	7	0,170	16,1	16,5	1,1
	8	0,200	16,1	16,5	1,2
	10	0,250	16,1	16,6	1,4
	12	0,300	16,1	16,7	1,6
22 mm	6	0,200	22,2	22,6	1,1
	8	0,250	22,2	22,7	1,4
	10	0,300	22,2	22,8	1,6
25mm	8	0,200	25,2	25,6	1,1
	10	0,250	25,2	25,7	1,4
	12	0,300	25,2	25,8	1,6

## STAR-T

+90 (332) 502 27 95



info@irritime.com  
www.irritime.com



Fevzi Çakmak Mah. 10762.  
Sok. B Apt. No:2D Karatay/KONYA





### Uygulamalar:

Irritime T-Drip pipe is recommended for irrigation of closely spaced root crops such as sugar beet, cotton, banana, strawberry, vegetable, biofuel crops and flowers.

- Suitable for greenhouses, landscaping, shrub, lawn irrigation and nurseries.
- Useful for widely spaced gardening.
- Can be used more than once.

Ø17 mm Irritime STAR T-TAPE DRIP PIPES Extension Distances

Dripper Distance		15 cm				20 cm				25 cm				30 cm				35 cm				40 cm							
Slope		Flow Rate (Lt/h)				Flow Rate (Lt/h)				Flow Rate(Lt/h)				Flow Rate(Lt/h)				Flow Rate (Lt/h)				Flow Rate (Lt/h)							
		1,00	1,60	2,20	3,50	1,00	1,60	2,20	3,50	1,00	1,60	2,20	3,50	1,00	1,60	2,20	3,50	1,00	1,60	2,20	3,50	1,00	1,60	2,20	3,50	1,00	1,60	2,20	3,50
Upper Slope	2%	56	47	37	26	71	60	49	34	80	69	54	38	91	84	58	42	94	86	62	44	97	88	81	45				
	1%	64	53	42	29	82	69	56	39	94	81	64	45	109	100	73	50	115	706	76	54	123	11	103	57				
Flat terrain	0%	72	60	48	33	95	80	65	45	110	95	75	53	130	120	88	60	142	130	93	66	155	140	130	72				
Down slope	-1%	80	67	54	37	108	91	74	51	126	109	86	61	151	140	108	70	169	154	110	78	187	169	157	87				
	-2%	90	75	60	41	122	103	83	58	145	125	99	70	176	163	122	81	200	183	131	93	226	204	190	105				

Note: At 10% Flow Change and 1 Atm Pressure

Ø22 mm Irritime STAR T-TAPE DRIP PIPES Extension Distances

Dripper Distance		15 cm				20 cm				25 cm				30 cm				35 cm				40 cm				50 cm							
Slope		Flow Rate (Lt/h)				Flow Rate (Lt/h)				Flow Rate (Lt/h)				Flow Rate (Lt/h)				Flow Rate (Lt/h)				Flow Rate (Lt/h)				Flow Rate (Lt/h)							
		1,00	1,60	2,20	3,50	1,00	1,60	2,20	3,50	1,00	1,60	2,20	3,50	1,00	1,60	2,20	3,50	1,00	1,60	2,20	3,50	1,00	1,60	2,20	3,50	1,00	1,60	2,20	3,50	1,00	1,60	2,20	3,50
Upper Slope	2%	94	82	66	49	120	105	87	64	130	109	98	65	150	126	112	73	162	129	116	81	163	138	119	81	172	145	120	84				
	1%	106	93	75	56	139	121	100	74	153	128	115	77	180	150	134	88	199	159	142	99	206	174	150	103	223	189	156	109				
Flat terrain	0%	120	105	85	63	160	140	115	85	180	150	135	90	215	180	160	105	245	195	175	122	260	220	190	130	290	245	203	142				
Down slope	-1%	134	117	95	70	181	159	130	96	207	172	155	103	250	210	186	122	291	231	208	145	314	266	230	157	357	301	250	175				
	-2%	150	131	106	79	205	180	147	109	238	198	178	119	292	244	217	143	345	275	246	172	380	321	277	190	439	371	307	215				

Note: At 10% Flow Change and 1 Atm Pressure

Ø25 mm Irritime STAR T-TAPE DRIP PIPES Extension Distances

Dripper Distance		15 cm				20 cm				25 cm				30 cm				35 cm				40 cm				50 cm							
Slope		Flow Rate (Lt/h)				Flow Rate (Lt/h)				Flow Rate (Lt/h)				Flow Rate (Lt/h)				Flow Rate (Lt/h)				Flow Rate (Lt/h)				Flow Rate (Lt/h)							
		1,00	1,60	2,20	3,50	1,00	1,60	2,20	3,50	1,00	1,60	2,20	3,50	1,00	1,60	2,20	3,50	1,00	1,60	2,20	3,50	1,00	1,60	2,20	3,50	1,00	1,60	2,20	3,50	1,00	1,60	2,20	3,50
Upper Slope	2%	147	117	100	70	188	151	128	90	207	174	152	98	230	202	160	108	241	207	169	114	244	213	175	119	250	218	187	124				
	1%	166	133	113	80	217	174	147	104	243	204	179	115	276	242	192	129	297	255	207	141	309	269	222	150	325	283	242	162				
Flat terrain	0%	188	150	128	90	250	200	170	120	285	240	210	135	320	290	230	155	365	313	255	173	390	340	280	190	422	368	315	210				
Down slope	-1%	210	167	143	100	283	227	193	136	327	276	241	155	384	338	268	181	433	371	303	205	471	411	338	230	519	453	388	258				
	-2%	234	187	160	112	321	257	218	154	376	317	277	178	448	394	312	210	514	441	359	244	570	497	409	277	639	557	477	315				

Note: At 10% Flow Change and 1 Atm Pressure





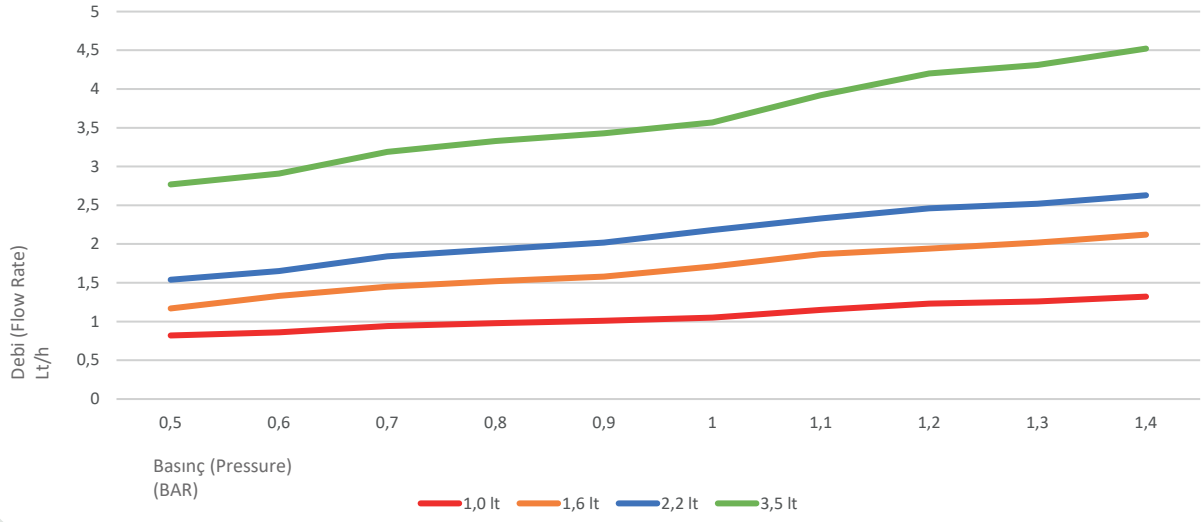
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## STAR T-TAPE DRIP PIPE

### Q17 mm STAR T-TAPE DRIP PIPE Flow Rate - Pressure Graph

Flow Rate	Pressure (BAR)									
	0,5	0,6	0,7	0,8	0,9	1	1,1	1,2	1,3	1,4
1,0 lt	0,82	0,86	0,94	0,98	1,01	1,05	1,15	1,23	1,26	1,32
1,6 lt	1,17	1,33	1,45	1,52	1,58	1,71	1,87	1,94	2,02	2,12
2,2 lt	1,54	1,65	1,84	1,93	2,02	2,18	2,33	2,46	2,52	2,63
3,5 lt	2,77	2,91	3,19	3,33	3,43	3,57	3,92	4,20	4,31	4,52

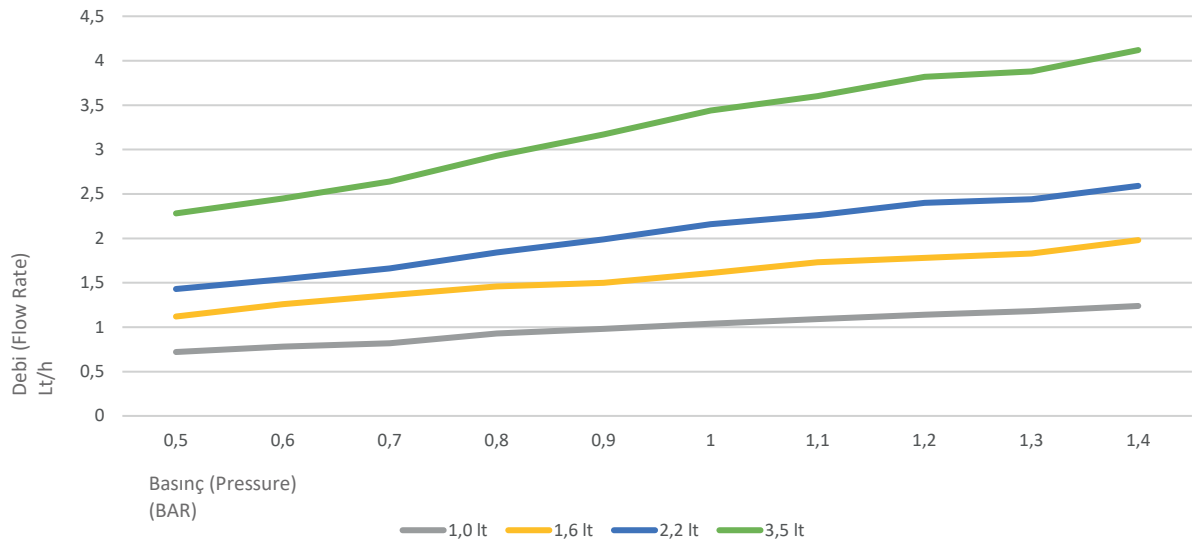
### Q17 mm STAR T-TAPE DRIP PIPE Flow Rate - Pressure Graph



### Q22 mm STAR T-TAPE DRIP PIPE Flow Rate - Pressure Graph

Flow Rate(Lt/h)	Pressure (BAR)									
	0,5	0,6	0,7	0,8	0,9	1	1,1	1,2	1,3	1,4
1,0 lt	0,72	0,78	0,82	0,93	0,98	1,04	1,09	1,14	1,18	1,24
1,6 lt	1,12	1,26	1,36	1,46	1,5	1,61	1,73	1,78	1,83	1,98
2,2 lt	1,43	1,54	1,66	1,84	1,99	2,16	2,26	2,4	2,44	2,59
3,5 lt	2,28	2,45	2,64	2,93	3,17	3,44	3,6	3,82	3,88	4,12

### Q22 mm STAR T-TAPE DRIP PIPE Flow Rate - Pressure Graph



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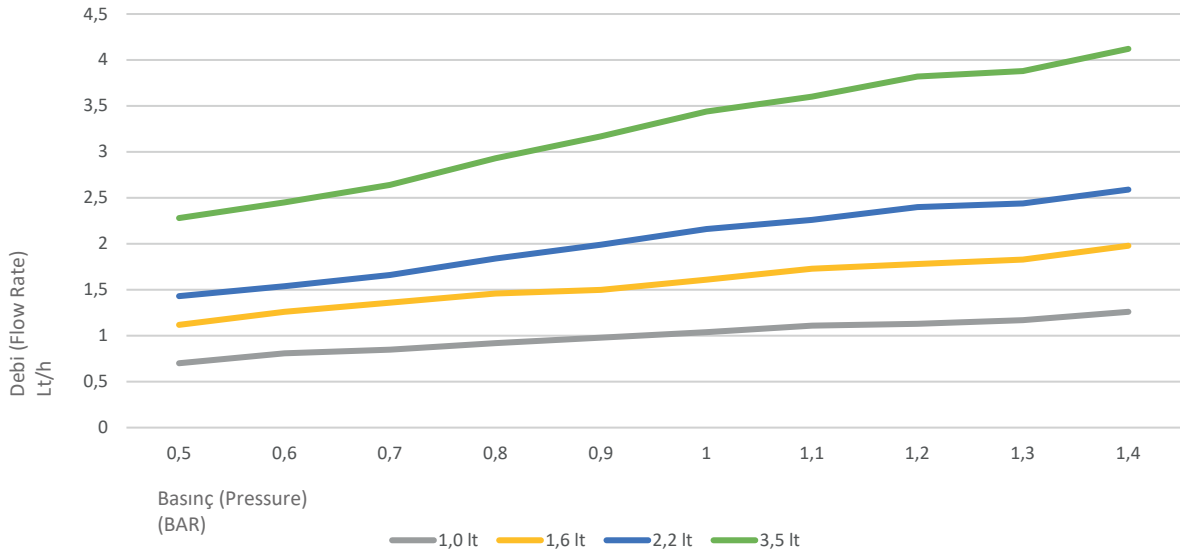
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## STAR T-TAPE DRIP PIPE

Q25 mm STAR T-TAPE DRIP PIPE Flow Rate - Pressure Graph

Flow Rate Lt/h	Pressure (BAR)									
	0,5	0,6	0,7	0,8	0,9	1	1,1	1,2	1,3	1,4
1,0 lt	0,7	0,81	0,85	0,92	0,98	1,04	1,11	1,13	1,17	1,26
1,6 lt	1,12	1,26	1,36	1,46	1,5	1,61	1,73	1,78	1,83	1,98
2,2 lt	1,43	1,54	1,66	1,84	1,99	2,16	2,26	2,4	2,44	2,59
3,5 lt	2,28	2,45	2,64	2,93	3,17	3,44	3,6	3,82	3,88	4,12

Q25 mm STAR T-TAPE DRIP PIPE Flow Rate - Pressure Graph



MAXI

MIDI

mini



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Fevzi Çakmak Mah. 10762.  
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### Care and Storage Instructions

- Errors in the use of irrigation drip irrigation pipes usually occur during the land application phase. For this reason, application should be done with a good project. Attention should be paid to material selection. Attention during land application should be avoided and negativities caused by excessive hanging and friction should not be caused.

### Choosing the Filter

- The most important problems in drip irrigation systems poor quality irrigation water and the associated is the risk of clogging in drippers. For drip irrigation systems to last longer and work efficiently, filter systems are used.

### Fertilization

- Granular or powder fertilizers that are easily soluble in water can be used for fertilization application. At the end of fertilization, watering is continued until there is no fertilized water in the pipes. Fertilizers used in the irrigation system and lime in the water cause clogging of the drippers over time. To remove the blockage, Nitric acid or Phosphoric acid is applied to the system several times during the irrigation season. At the end of the irrigation season, the system should be operated with 0.03% HNO<sub>3</sub> (Nitric Acid) to ensure cleaning and to prevent clogging in the system.

HCL (Hydrochloric Acid) or H<sub>2</sub>SO<sub>4</sub> (Sulfuric Acid) must not be used.

