

Jain Turbo

Slim



Jain Turbo Slim

Super Saver

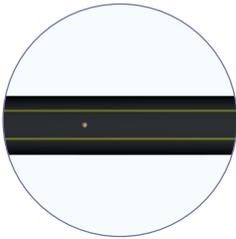
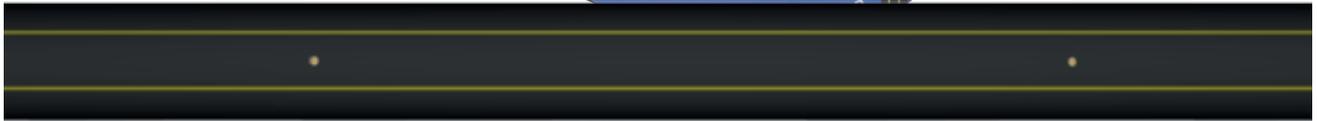
Thin Wall... Low Investment... High Returns..

Jain Turbo Slim™ - SS (Super Saver) is a new generation low wall thickness drip line with flat, turbulent flow clog resistant emitter

The Jain Turbo Slim - Super Saver (SS) comes in sizes with inner diameters of 14.2mm and 18mm. These sizes match the Indian Standard IS 13488, meant for thick-walled drip tubing.

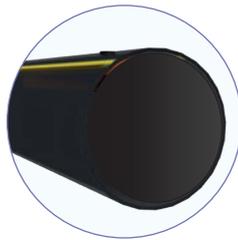
The Jain Turbo Slim - Super Saver offers good performance at an affordable price. You don't have to wait for subsidies; start using Jain Turbo Slim now.

Jain Turbo Slim® - SS



Seamless Drip Tape

Jain Turbo Slim™ features drippers permanently fixed inside a seamless tape construction, enhancing its ability to withstand pressure fluctuations.



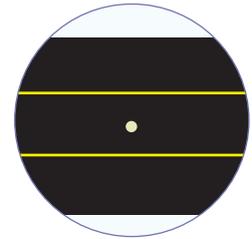
Sizes Analogous with IS 13488

The sizes, equivalent to the IS 13488 standard, are available with inner diameters of 14.2mm and 18mm. These sizes are designed to enable a smooth transition to thick-walled tubing without the need to modify the hydraulic system.



Suitable Tape Loc Fitting Available

Tape Loc fitting suitable for 14.2mm and 18mm ID tubing and wall thickness of 5 to 20mil (0.13 to 0.4mm) is readily available in different options.



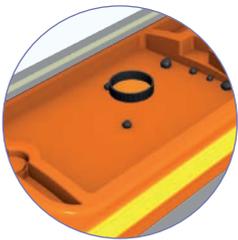
Precision Engineering

Features precision laser-drilled outlet holes for optimal performance.



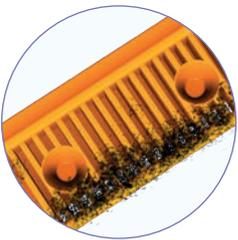
Clog Resistant Cascade Labyrinth

The hydrodynamically designed tooth structure creates a double flow regime and a turbulent cyclone within the dripper, enabling continuous flushing of particles and offers high clog resistance.



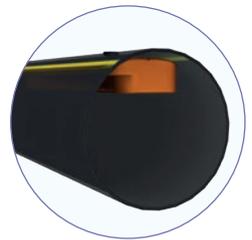
Prevention of sand suction

The weir structure is designed to prevent the entry of sand particles into the flow path.



Three Dimensional Inlet Filter

The unique 3-D filtration surface, featuring length, width, and depth, ensures clog-free operation even under high-risk clogging conditions.



Light Weight and Compact

The lightweight and compact dripper is designed to weld perfectly to the thin wall thickness of the tubing without leaving stress marks.

Jain Turbo Slim® - SS

Additional Features

- **Manufactured from Special Grade Virgin Plastic Material**
- **Durability and ESCR:** Made from special grade virgin plastic material, the tubing is highly durable and offers excellent environmental stress crack resistance (ESCR).
- **UV Stabilized:** Manufactured with UV stabilized material to withstand environmental stress.
- **State-of-the-Art Manufacturing**
- **Advanced Equipment:** Produced using the most modern, state-of-the-art equipment.
- **Continuous Quality Control:** Computerized continuous online quality control monitors emitter spacing and precision in outlet drilling, ensuring reliable quality and consistent performance.
- **Excellent Coefficient of Variation (CVm)**
- **High Emission Uniformity:** Maintains close dimensional tolerances to ensure the best field emission uniformity (CV ≤ 2.5%).
- **Chemical and Fertilizer Resistance**
- **Agricultural Resilience:** Jain Turbo Slim™ is resistant to chemicals and fertilizers commonly used in agriculture.

Applications

- Jain Turbo Slim SS is ideal for irrigation of closely spaced row crops like sugarcane, potato, cotton, banana, strawberry, lettuce, cabbage, tomatoes, chillies, pepper, melons, cucumber, floriculture, vegetables and spices.
- Recommended to use in greenhouses and nurseries.
- Suitable for surface as well as sub surface installations.

Specifications

Nominal Discharge

Nominal Discharge, lph	
1.0 kg/cm ²	0.7 kg/cm ²
0.8	0.65
1.2	1.00
1.5	1.25
2.1	1.72
4.0	3.39

- **Sizes :** 14.2 and 18 mm inside diameter
- **Emitter Spacing :** Standard emitter spacing - 15, 20, 30, 40, 50, 60, 75, 90, 100, 120 and 150 cm. Other emitter spacing and group spacing can be supplied on demand.
- **Wall Thickness :** 5, 6, 8, 10, 12, 13, 15, 18, 20 & 25 mil (0.15, 0.2, 0.25, 0.30, 0.32, 0.38, 0.45, 0.50 & 0.63 mm) Any other wall thickness can be supplied on demand.

Note : 1 mil = 1/1000th part of an inch = 0.0254 mm

Operating Specifications

- Nominal operating pressure 0.7 kg/cm² for wall thickness up to 10 mil, 1.0 kg/cm² for wall thickness more than 10 mil.
- Recommended to use specially designed Tape Lock fittings.
- Always keep the dripper in upright position to minimise blockage due to sedimentation and precipitation.
- For subsurface application, install vacuum breaker valves on the submain as well as on the collective drain to avoid soil suction during system shutdown.



Jain Turbo Slim® - SS

Technical Specifications for Emitter - Metric

Nominal Discharge (lph)	Emitter Exponent	Flow Coefficient	Coeff. of mfg. Variation, CVM	Flow Path Dimensions, mm			Inlet Filter Area (mm ²)	Size of Filter Openings (mm x mm)	Filtration requirement (micron)
	x			Length	Width	Depth			
0.8	0.47	0.75	2.0	16.5	0.47	0.40	3.00	0.30 x 0.40	100
1.2	0.46	1.20	2.0	16.1	0.62	0.64	3.44	0.27 x 0.51	130
1.5	0.47	1.50	2.0	17.1	0.68	0.75	5.35	0.33 x 0.60	130
2.1	0.48	2.10	2.5	17.4	0.80	0.84	6.28	0.31 x 0.75	130
4.0	0.45	4.00	2.5	18.0	1.04	1.05	5.52	0.30 x 0.60	130

Flow equation $q = kH^x$, q = Nominal Discharge, lph, H = Pressure head, kg/cm², x = Emitter exponent

Coil Lengths

All sizes are available in standard coil lengths of 500 and 1000m.

Ordering Specifications

TE	XXX	XX	XXX	XX	XXXX	N
	Inside diameter	Nominal Discharge in lph x 10	Dripper Spacing in cm	Wall thickness in mil	Standard Coil Length in meter 500 - 500m 1000 - 1000m	SS - Super Saver
	142-14.2mm 180 -18.2mm			05 - 5 mil (0.13mm) 06 - 6 mil (0.15mm) 08 - 8mil (0.2 mm) 10 - 10mil (0.25mm) 12 -12 mil (0.3mm) 13 - 13 mil (0.33mm) 15 - 15 mil (0.38 mm) 20 - 20 mil (0.5mm) 24 -24 mil (0.6mm)		

Example : TE14240030081000SS - This code refers to JainTurbo Slim SS - Thin Wall of 14.2 mm inside diameter having nominal discharge of 4.0 lph, emitter spaced at 30 cm, wall thickness of 8 mil (0.2mm), standard coil length of 1000 m non pressure compensating driptape.



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