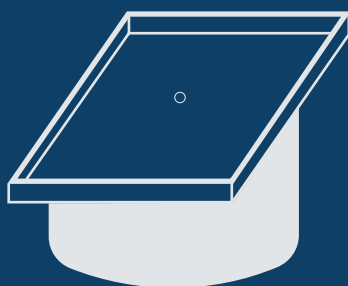


שד



שדח



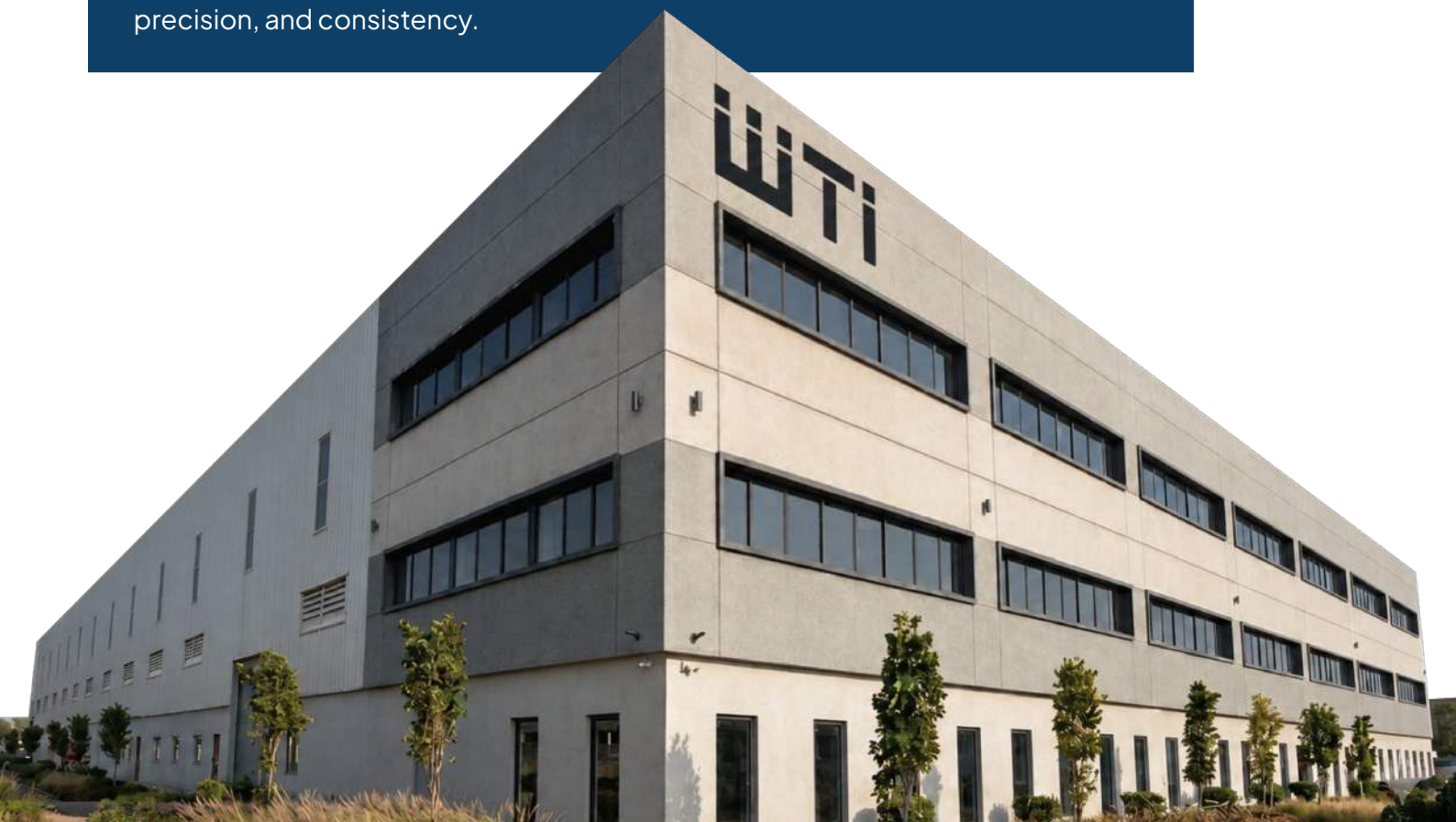
ABOUT WTI

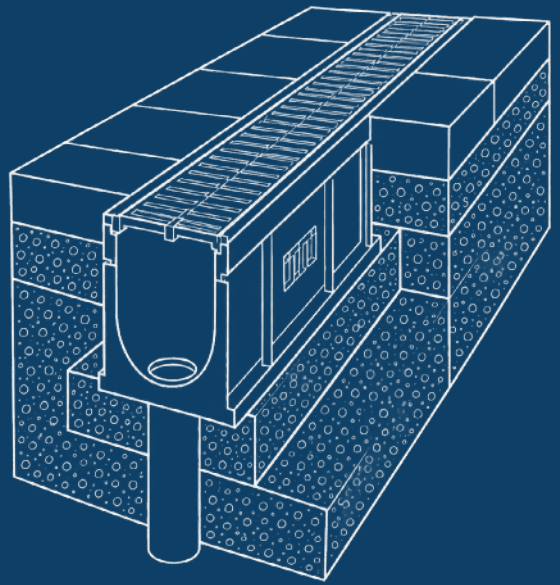
Engineered, certified, delivered

WTI is the specialist drainage division of Window Techs India Pvt. Ltd., offering a comprehensive range of external polymer concrete drainage systems, indoor stainless steel drainage systems, and balcony drainage systems. Established to deliver world-class drainage solutions, WTI is backed by the manufacturing expertise of Window Techs India Pvt. Ltd., a company with over 30 years of engineering and manufacturing excellence. As the first Indian Manufacturer, with a dedicated production facility for polymer concrete drainage systems, WTI contributes to the vision of “Make in India” by delivering globally benchmarked products manufactured in India.

The new integrated manufacturing facility for WTI at Jaipur covers an area of 111,000 sft. From design to manufacturing, every activity is in house, allowing full items manufactured to the latest factory process audits reach site.

WTI drainage systems are designed and manufactured in compliance with relevant BIS specifications and European standards, including EN 1433 for linear drainage channels and EN 1253 for stainless steel floor drains, ensuring consistent quality, reliable performance, and internationally recognised compliance. Every component, from channel bodies to gratings and accessories, is manufactured in house for complete control over quality, precision, and consistency.





FIT AND FORGET



CONTENT

01 POLYMER CONCRETE DRAIN	07
02 SHOWER DRAIN	20
03 BALCONY DRAIN	46

High Strength

Lightweight Installation

EN 1433 Compliant

POLYMER CONCRETE DRAINAGE SYSTEM

01



ENGINEERED SURFACED DRAINAGE THAT LASTS

A high-performance polymer concrete drainage system engineered for efficient surface water management across modern landscapes and infrastructure.

WHY POLYMER CONCRETE?

Stronger than conventional concrete

Polymer concrete uses resin-bound mineral aggregates instead of cement, achieving several times the compressive and flexural strength of ordinary concrete — in a channel that weighs far less.

Zero water absorption

The dense, non-porous body absorbs virtually no water. No frost damage, no cracking, no degradation — even after years of continuous wet service.

Smooth self-cleaning bore

The smooth internal surface accelerates water flow and prevents silt and debris from settling, keeping the channel clear with minimal maintenance.

Lightweight, fast installation

Lighter than equivalent cement concrete channels. One-metre lengths are handled and laid by a single worker — no lifting equipment required.

EN 1433 compliant

Designed, manufactured and load-tested to EN 1433, the European standard for drainage channels — your assurance of certified performance.

Hydraulic performance

Polymer concrete drains offer excellent hydraulic flow due to their smooth, non-porous internal surface, which minimises friction and turbulence. This allows water to flow quickly and efficiently while reducing sediment and debris accumulation, helping maintain drainage performance over time.





01 

A15 | 15 kN

02 

B125 | 125 kN

Load Classes

Selecting the Right Drainage Channel for Every Application

The EN 1433 load classification system defines the minimum load class required for drainage channels according to their intended installation environment. The standard classifies drainage channels from A15 to F900, with increasing resistance to the prescribed test load. The selection of the appropriate class depends primarily on where the channel is installed and the type of traffic or loading expected. Where conditions are uncertain, EN 1433 recommends selecting the higher load class.

03 

C250 | 250kN

A15 / 15 kN

PEDESTRIAN & LANDSCAPE AREAS

Minimum EN 1433 Class:
A15 | Test Load: 15 kN

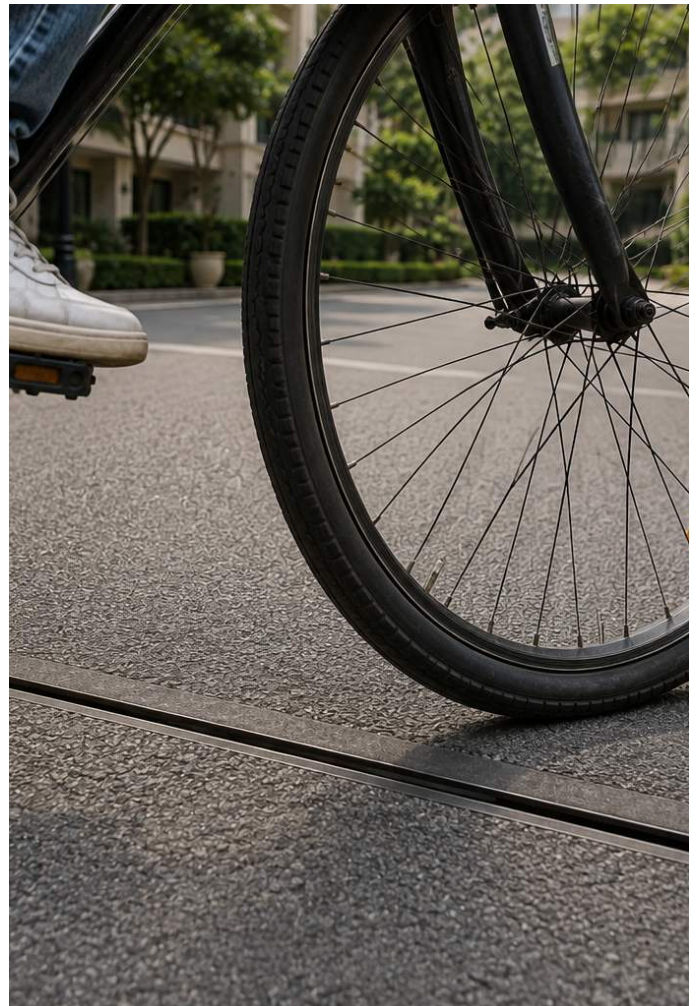
A15 is intended for areas that are used exclusively by pedestrians and cyclists. It is particularly suited to landscaped environments where drainage must integrate seamlessly with pedestrian surfaces.

Ideal for:

Landscaped developments, gardens, parks and pedestrian environments where vehicular traffic is excluded.

WTI application:

A15 channels are well suited to drainage along landscaped walkways and pedestrian paths, providing effective surface water management without compromising the aesthetics of the surrounding landscape.



B125 / 125 kN

PEDESTRIAN, PARKING & LIGHT VEHICLE AREAS

Minimum EN 1433 Class:
B125 | Test Load: 125 kN

B125 is intended for footways, pedestrian areas, private car parks and car parking decks. It provides a higher level of load resistance for locations where drainage channels may be exposed to light vehicle loading.

Ideal for:

Areas where pedestrians and light, slow-moving vehicles share the same space.

WTI application:

B125 is an appropriate class for many residential and private parking environments where passenger vehicles may cross the drainage channel. The final selection should always consider the actual traffic conditions and installation design.

C250 / 250 kN

KERBSIDE & ROAD-EDGE APPLICATIONS

Minimum EN 1433 Class:
C250 | Test Load: 250 kN

C250 is the minimum class specified for kerbside areas and non-trafficked areas of hard shoulders and similar locations. Kerb units are classified within Group 3 under EN 1433.

Ideal for:

Drainage channels positioned at the edge of trafficked areas where higher localised vehicle loading can occur.

WTI application:

C250 provides a robust solution for kerbside and road-edge drainage, where the channel may experience greater loading than pedestrian or private parking applications.

Load Classes



D400 | 400 kN

HEAVY DUTY TRAFFIC APPLICATIONS

Minimum EN 1433 Class:
D400 | Test Load: 400 kN

D400 is designed for areas subjected to regular heavy vehicular traffic, including carriageways, commercial access roads and high-traffic parking areas. Classified within Group 4 under EN 1433, it is engineered to withstand demanding wheel loads and continuous traffic conditions.

Ideal for:

Drainage channels installed along roadways, commercial vehicle routes, parking areas and other trafficked surfaces where heavy vehicle loading is expected.

WTI application:

WTI D400 channels are reinforced with a galvanised steel top edge, strengthening and protecting the critical load-bearing area of the polymer concrete channel. Combined with a load-rated ductile iron grating, the reinforced construction delivers reliable performance in high-traffic and heavy-duty applications.

04 

D400 | 400 kN

05 

E600 | 600 kN

E600 / 600 kN

EXTREME INDUSTRIAL LOAD APPLICATIONS

Minimum EN 1433 Class:
E600 | Test Load: 600 kN

E600 is designed for exceptionally demanding environments exposed to very high wheel loads, including industrial yards, loading areas, docks and other heavy-duty commercial applications. Classified within Group 5 under EN 1433, it provides the structural strength required for extreme loading conditions.

Ideal for:
Drainage channels installed in industrial facilities, loading bays, logistics areas, ports, docks and other locations exposed to intense heavy-vehicle traffic.

WTI application:
WTI E600 channels feature galvanised steel reinforcement along the top edge, strengthening the channel at its most critical load-bearing point



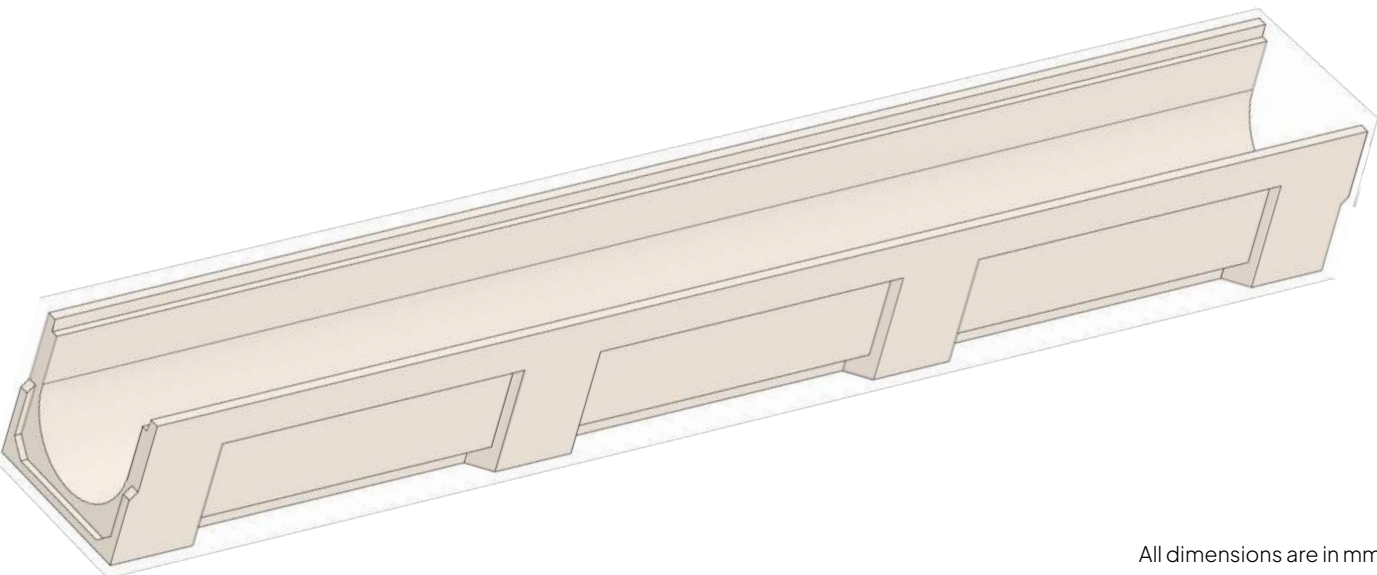
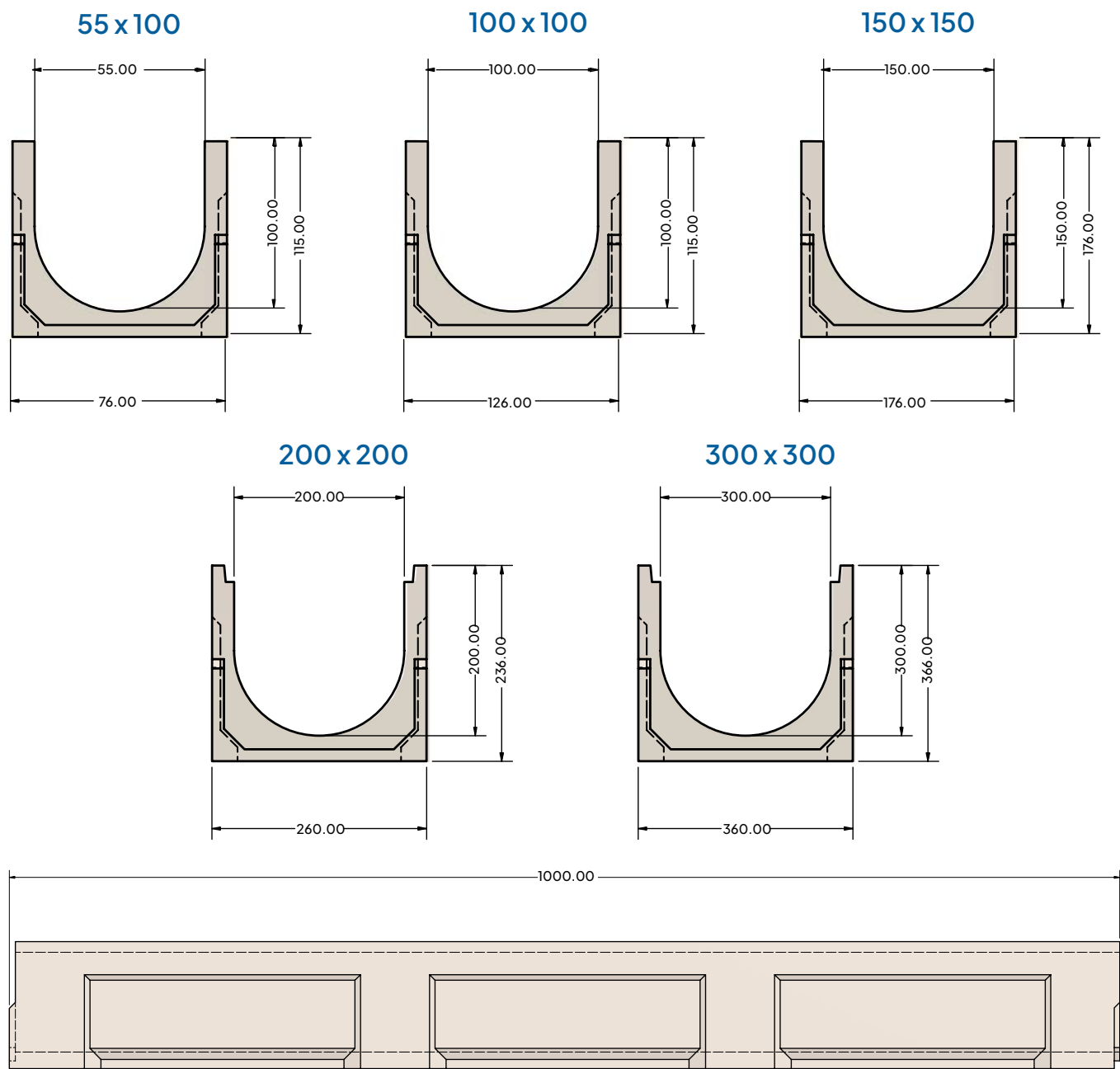
and providing additional protection against heavy traffic loads. Combined with a heavy-duty ductile iron grating, the system is engineered for reliable long-term performance in extreme industrial and commercial environments.

EN 1433: LOAD CLASSIFICATION

LOAD CLASS	TEST LOAD (kN)	TYPICAL APPLICATION
A 15	15 kN	 Pedestrian areas, cycle paths, landscaped areas and areas accessible only to pedestrians and cyclists
B 125	125 kN	 Footways, pedestrian areas, residential driveways, car parks and similar areas
C 250	250 kN	 Kerbside channels, roadways and areas with slow-moving traffic; typically within 0.5 m of the carriageway edge
D 400	400 kN	 Carriageways of roads, hard shoulders, industrial yards, commercial loading areas and general vehicle traffic
E 600	600 kN	 Industrial areas, heavy-duty loading zones, ports, airports and areas subject to high wheel loads

A 15 → B 125 → C 250 → D 400 → **E 600**

SIZES AVAILABLE



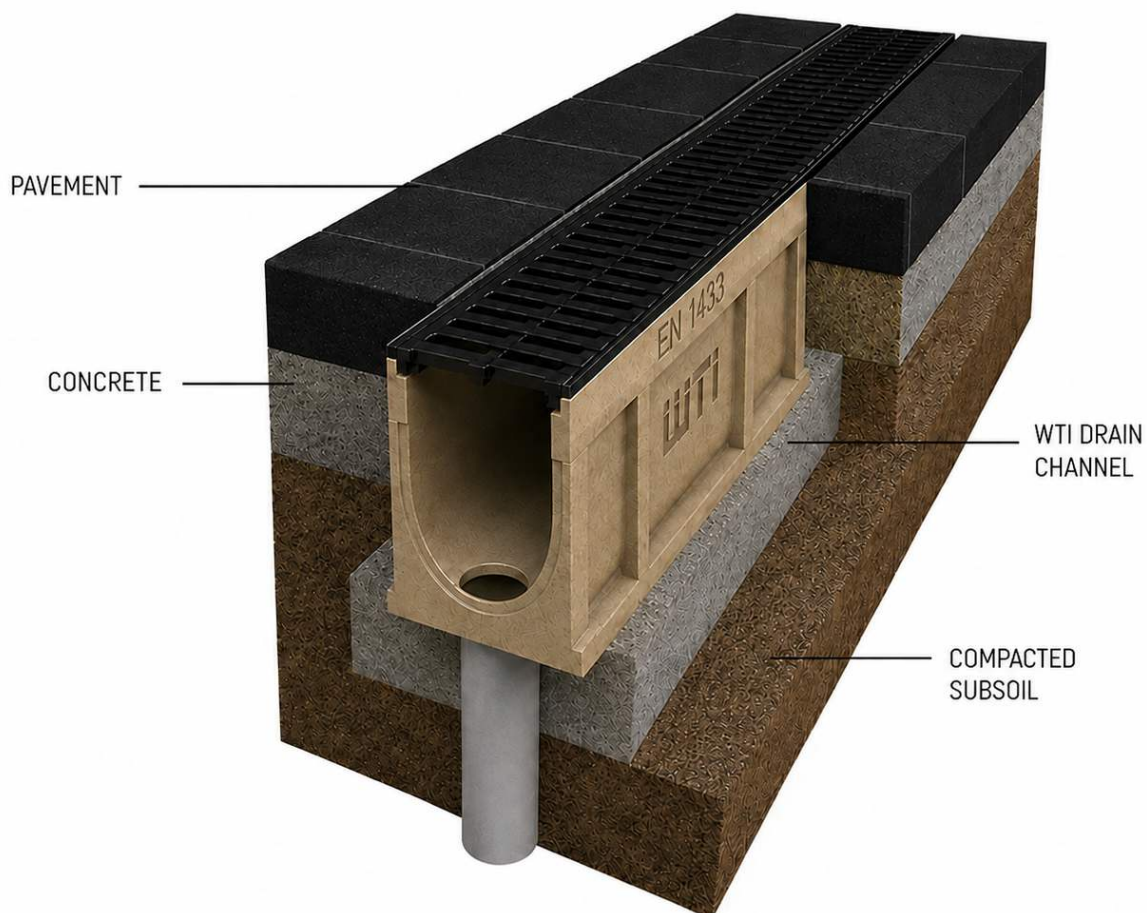
All dimensions are in mm.

INSTALLATION

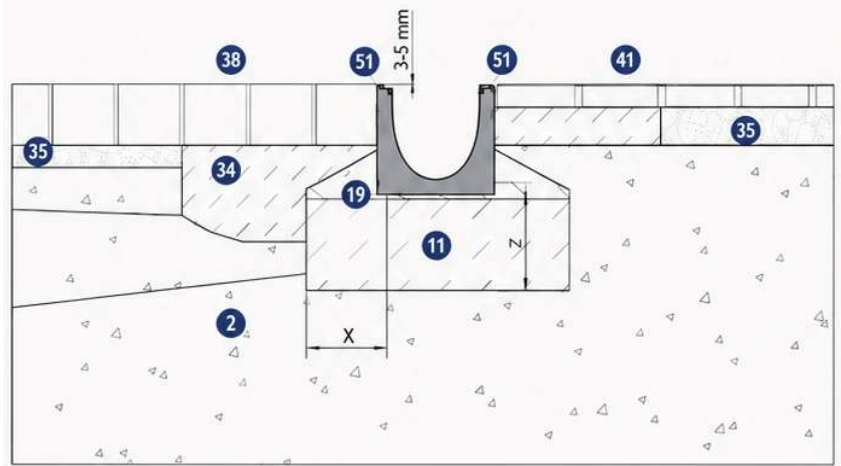
The installation begins by excavating and compacting the subsoil to create a stable and level foundation. A suitable concrete support/base is then prepared beneath and around the drainage channel to provide structural stability and ensure the channel remains correctly aligned. The drain channel is positioned on the concrete support, maintaining the required gradient towards the outlet.

Once the channel is aligned and secured, concrete is placed around the sides of the channel to provide lateral support and distribute the loads from the surrounding pavement. A bedding layer is then prepared adjacent to the channel, followed by the installation of the block paving. The paving blocks are laid so that they align neatly with the edges, creating a continuous, discreet slot at the surface.

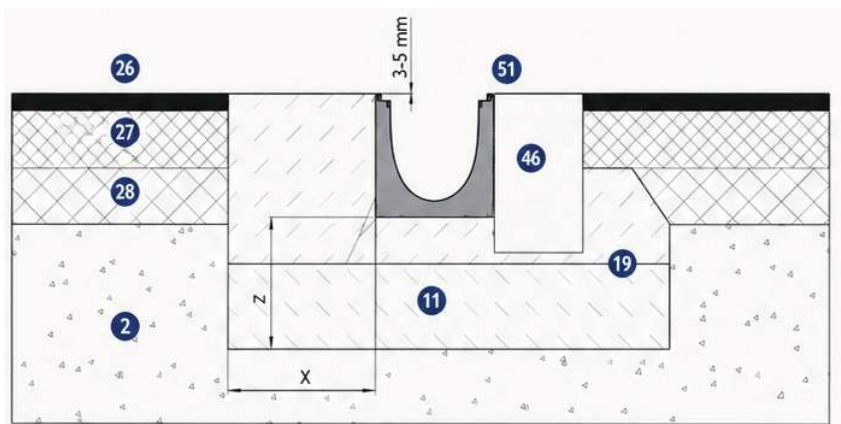
The final surface level should be carefully coordinated with the opening so that surface water flows naturally into the narrow drainage slot, while the surrounding paving remains properly supported and finished.



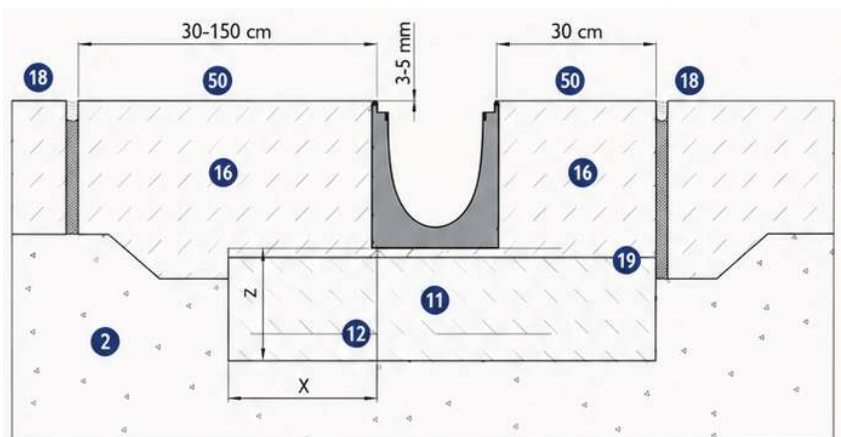
- 2. Load-bearing gravel layer
- 11. Concrete foundation acc. to static calculations
- 12. Class E: reinforcement bar
- 16. Concrete pavement
- 18. Expansion joint
- 19. Working joint
- 26. Surface course
- 27 Bitumen gravel
- 28. Load-bearing bitumen layer
- 34 Mortar bed
- 35. Grit bed
- 38. Paving stones
- 41. Tile covering
- 46. Stretcher paving or concrete stretcher
- 50. Transversal-concealed joint each 6m at channel joints
Structural reinforcement
- 51. Cavity-free joint sealing



Class A - C



Class C



Class D - E

01



A15 | 15 kN

02



B125 | 125 kN

03



C250 | 250kN

04



D400 | 400 kN

05



E600 | 600 kN

LOAD CLASS (EN 1433)	WHEEL LOAD (kN)	SIZES OF DRAIN AVAILABLE (mm)				
		55 × 100	100 × 100	150 × 150	200 × 200	300 × 300
A15 Pedestrian areas, cycle paths, etc. 	15 kN	✓	✓	✓	—	—
B125 Footways, car parks, light vehicular traffic 	125 kN	✓	✓	✓	—	—
C250 Carriageways, service areas, etc. 	250 kN	—	✓	✓	✓	—
D400 Roads, industrial areas, ports, etc. 	400 kN	—	✓ (with galvanised metal reinforcement)	✓ (with galvanised metal reinforcement)	✓ (with galvanised metal reinforcement)	✓ (with galvanised metal reinforcement)
E600 Heavy duty areas, airports, docks, etc. 	600 kN	—	—	—	✓ (with galvanised metal reinforcement)	✓ (with galvanised metal reinforcement)



Available



Not available

CHOOSE YOUR GRATING



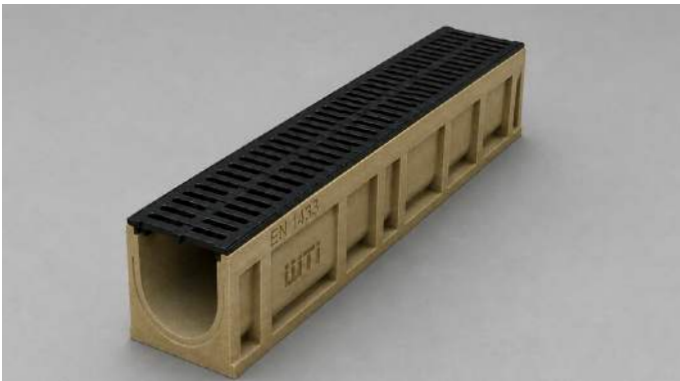
SINGLE SLOT GRATING

A discreet stainless steel slot top that turns the channel into a near-invisible shadow line in the pavement. Perfect for architectural landscapes, plazas and premium façades.



DOUBLE SLOT GRATING

Twin intake slots collect water from both sides simultaneously, double the intake capacity while retaining the same minimal, tile-flush appearance.



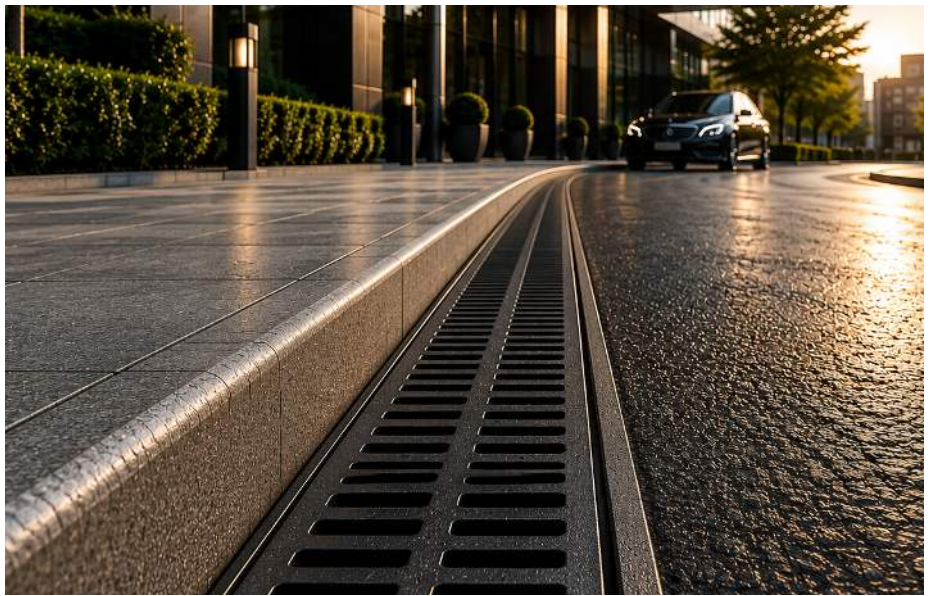
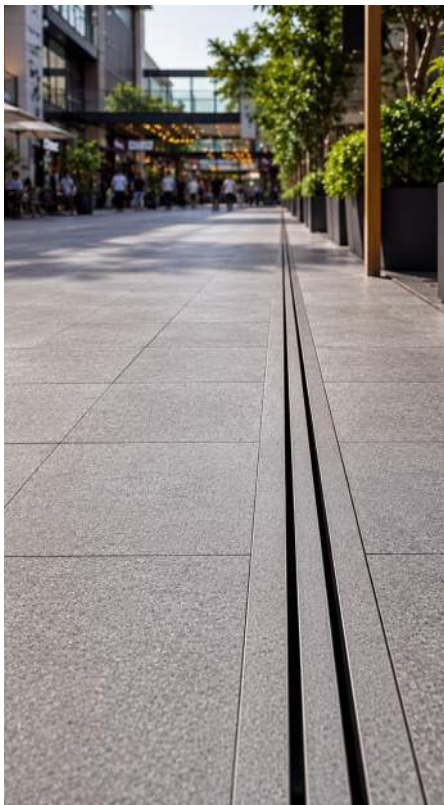
DUCTILE SLOT GRATING

Heavy-duty ductile iron grate for trafficked areas. High intake capacity, secure locking, and rated up to Load Class C250 for car parks, driveways and road edges.



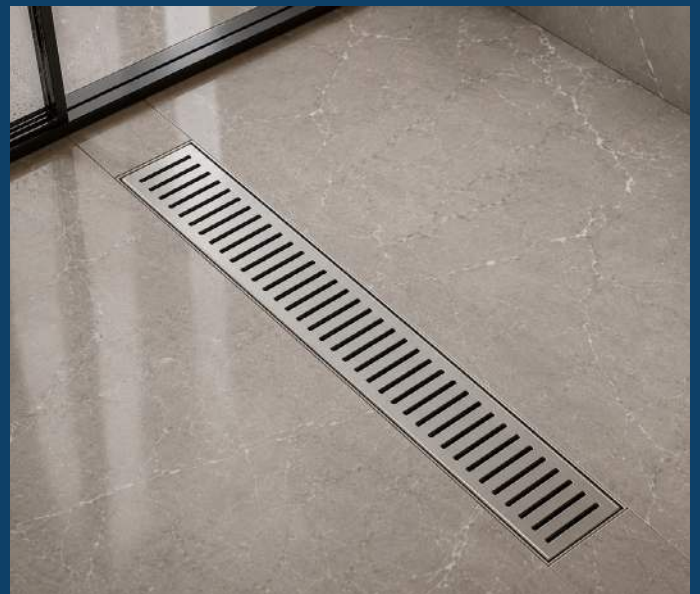
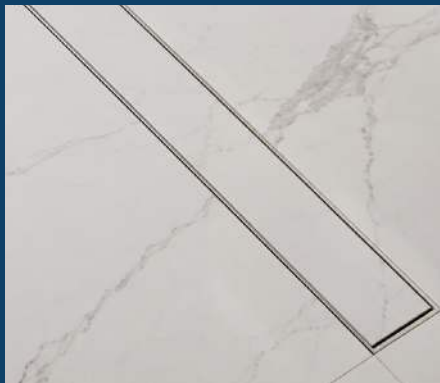
TRIANGULAR SLOT GRATING

A robust stainless steel slot grating with a distinctive triangular slot profile, engineered for effective water capture while adding a refined architectural element to the drainage line. Ideal for pedestrian areas, landscapes, plazas and contemporary developments.



SHOWER CHANNEL

02



Elevate Every Shower

The WTI Shower Drain range offers design solutions to meet the requirements of every customer and every installation and benefit from safe, assembly-free installation.



WTI's SS 304/316 drainage systems

are engineered to deliver a perfect balance of performance, hygiene and contemporary aesthetics in showers, bathrooms and wet rooms. Manufactured from high-grade SS 304/316 stainless steel, the system offers exceptional resistance to corrosion and is well suited for continuously wet environments where moisture, soaps, cleaning agents and regular use demand a durable and reliable drainage solution.

SHOWER CHANNEL



LINEO

WTI SHOWER CHANNEL

Made: Stainless Steel 304 & 316

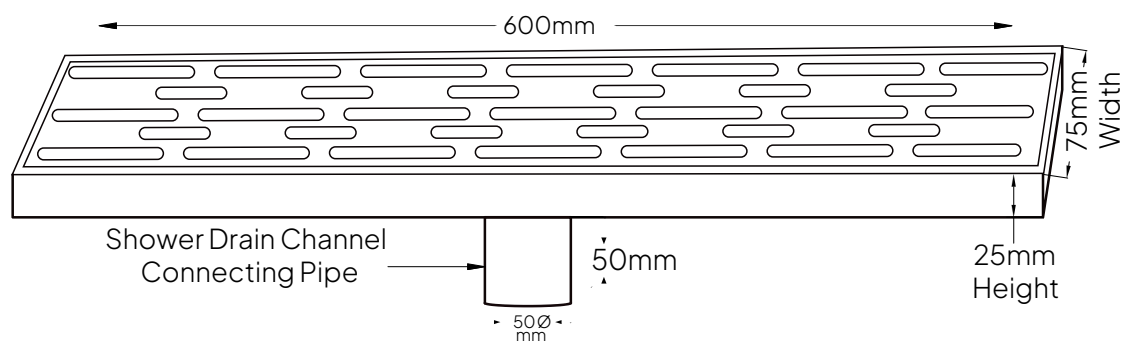
System: for linear drain WTI

Size Chart

Length / mm	Width / mm	Height / mm	Pipe height / mm
600	75	25	50
700	75	25	50
800	75	25	50
900	75	25	50

Technical specifications

Shower Drain Channel Front View Pattern



Note: Customised option also available



SHOWER CHANNEL



DROPS

WTI SHOWER CHANNEL

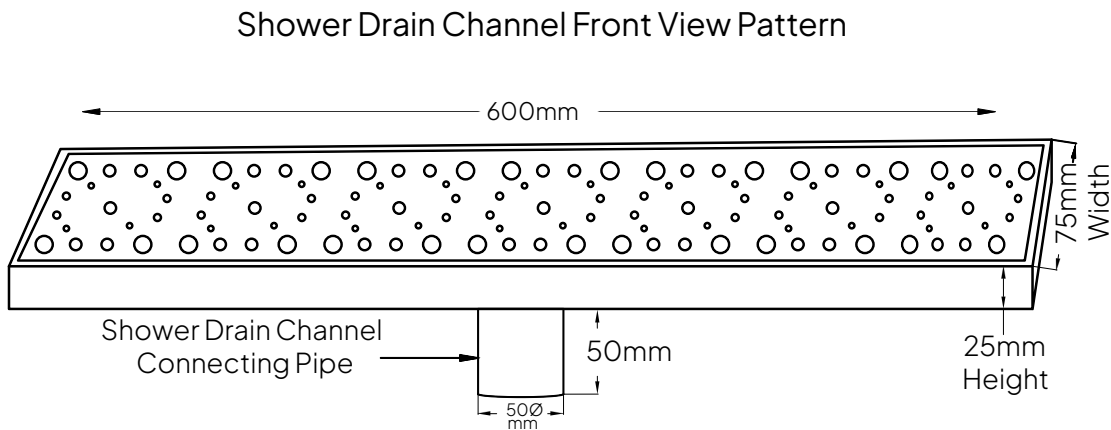
Made: Stainless Steel 304 & 316

System: for linear drain WTI

Size Chart

Length / mm	Width / mm	Height / mm	Pipe height / mm
600	75	25	50
700	75	25	50
800	75	25	50
900	75	25	50

Technical specifications



Note: Customised option also available



SHOWER CHANNEL



OVAL

WTI SHOWER CHANNEL

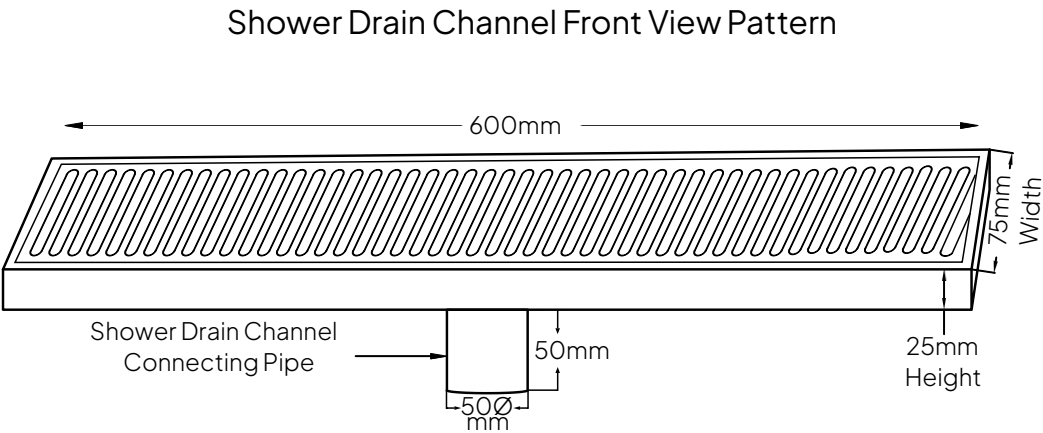
Made: Stainless Steel 304 & 316

System: for linear drain WTI

Size Chart

Length / mm	Width / mm	Height / mm	Pipe height / mm
600	75	25	50
700	75	25	50
800	75	25	50
900	75	25	50

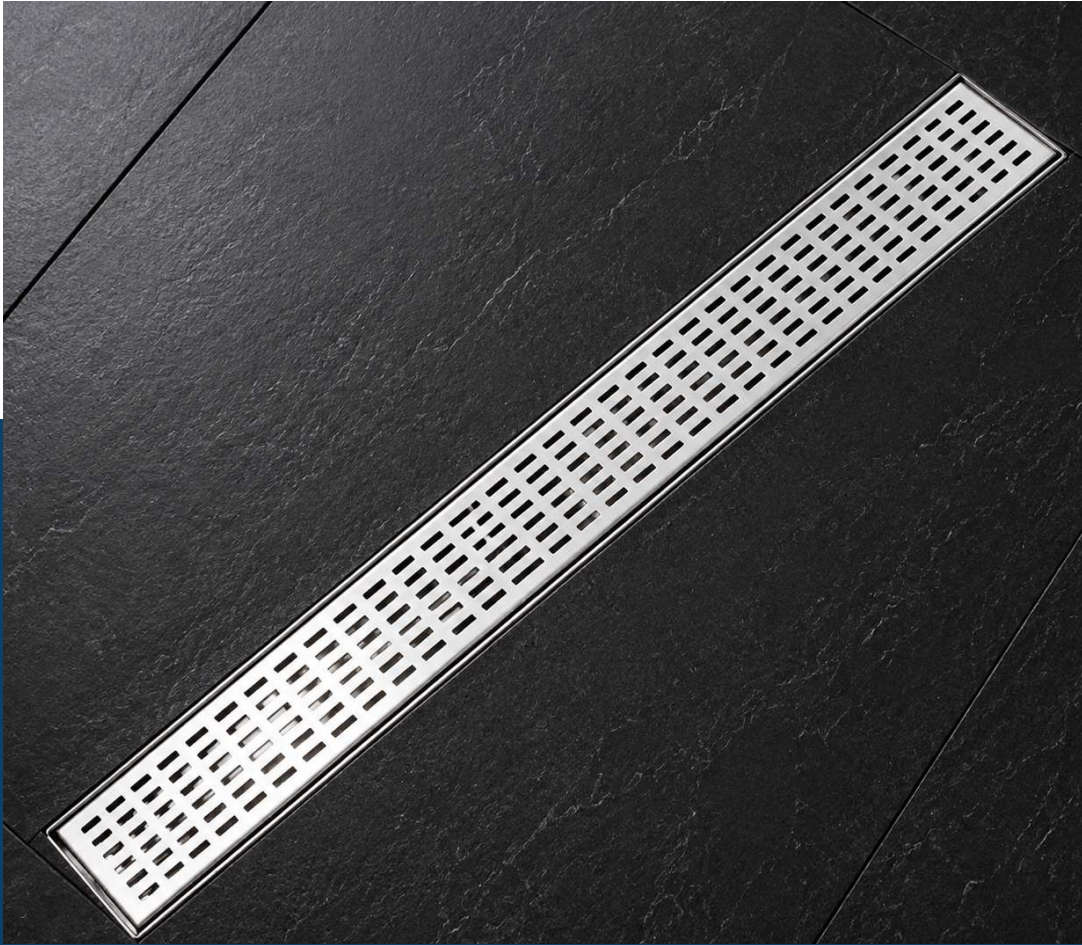
Technical specifications



Note: Customised option also available



SHOWER CHANNEL



RECTANGLO

WTI SHOWER CHANNEL

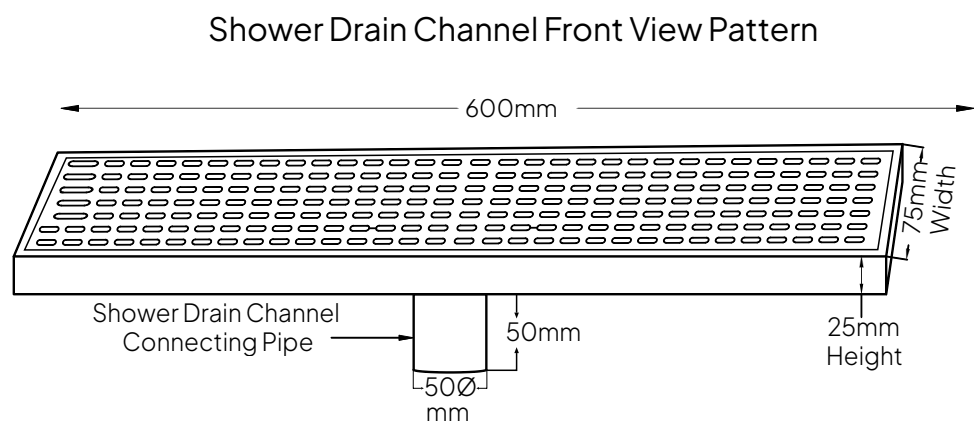
Made: Stainless Steel 304 & 316

System: for linear drain WTI

Size Chart

Length / mm	Width / mm	Height / mm	Pipe height / mm
600	75	25	50
700	75	25	50
800	75	25	50
900	75	25	50

Technical specifications



Note: Customised option also available



SHOWER CHANNEL



TILEO

WTI SHOWER CHANNEL

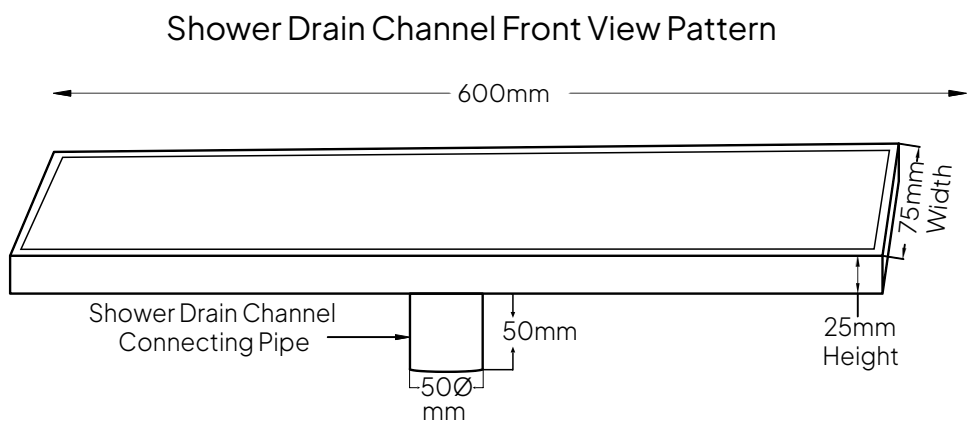
Made: Stainless Steel 304 & 316

System: for linear drain WTI

Size Chart

Length / mm	Width / mm	Height / mm	Pipe height / mm
600	75	25	50
700	75	25	50
800	75	25	50
900	75	25	50

Technical specifications



Note: Customised option also available



POINT DRAIN & GULLY



RECTANGLO

WTI POINT DRAIN

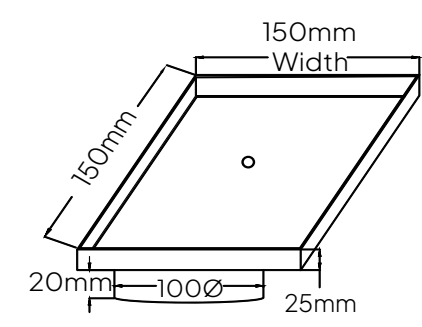
Made: Stainless Steel 304 & 316

System: for point drain WTI

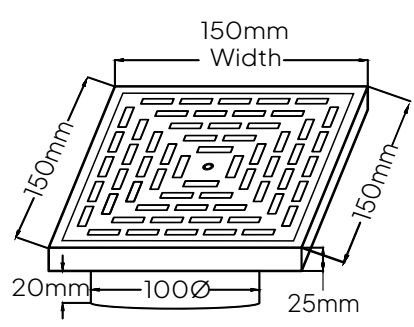
Size Chart

Length / mm	Width / mm	Height / mm	Pipe height / mm
100	100	25	20
125	125	25	20
150	150	25	20

Technical specifications



Floor Drain Front View Section



Floor Drain Front View Section

Note: Customised option also available



POINT DRAIN & GULLY



OVAL

WTI POINT DRAIN

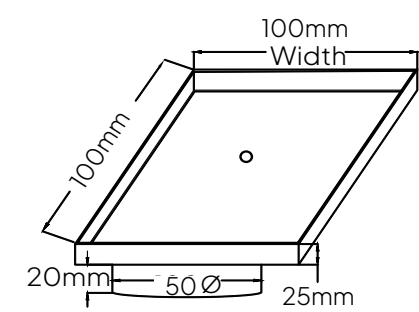
Made: Stainless Steel 304 & 316

System: for point drain WTI

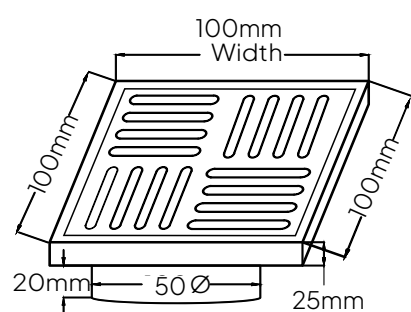
Size Chart

Length / mm	Width / mm	Height / mm	Pipe height / mm
100	100	25	20
125	125	25	20
150	150	25	20

Technical specifications



Floor Drain Front View Section



Floor Drain Front View Section

Note: Customised option also available



POINT DRAIN & GULLY



SQUARO

WTI POINT DRAIN

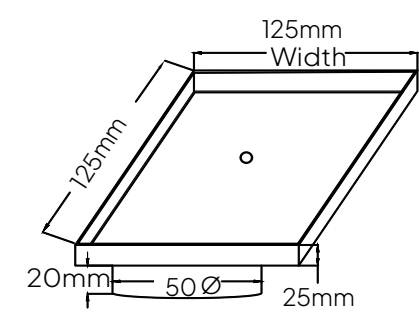
Made: Stainless Steel 304 & 316

System: for point drain WTI

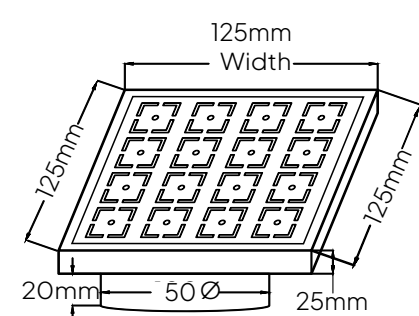
Size Chart

Length / mm	Width / mm	Height / mm	Pipe height / mm
100	100	25	20
125	125	25	20
150	150	25	20

Technical specifications



Floor Drain Front View Section



Floor Drain Front View Section

Note: Customised option also available



POINT DRAIN & GULLY



TILEO

WTI POINT DRAIN

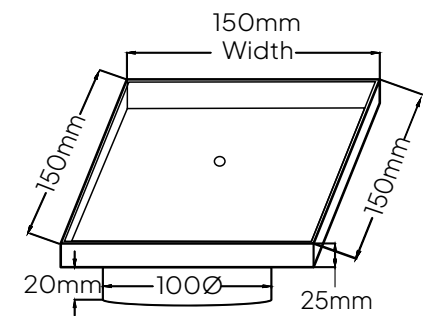
Made: Stainless Steel 304 & 316

System: for point drain WTI

Size Chart

Length / mm	Width / mm	Height / mm	Pipe height / mm
100	100	25	20
125	125	25	20
150	150	25	20

Technical specifications



Floor Drain Front View Section

Note: Customised option also available



POINT DRAIN & GULLY



TRIANGLO

WTI POINT DRAIN

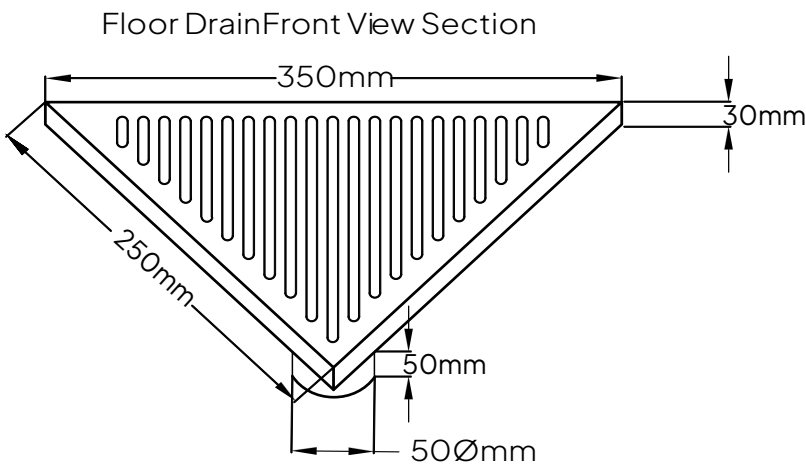
Made: Stainless Steel 304 & 316

System: for point drain WTI

Size Chart

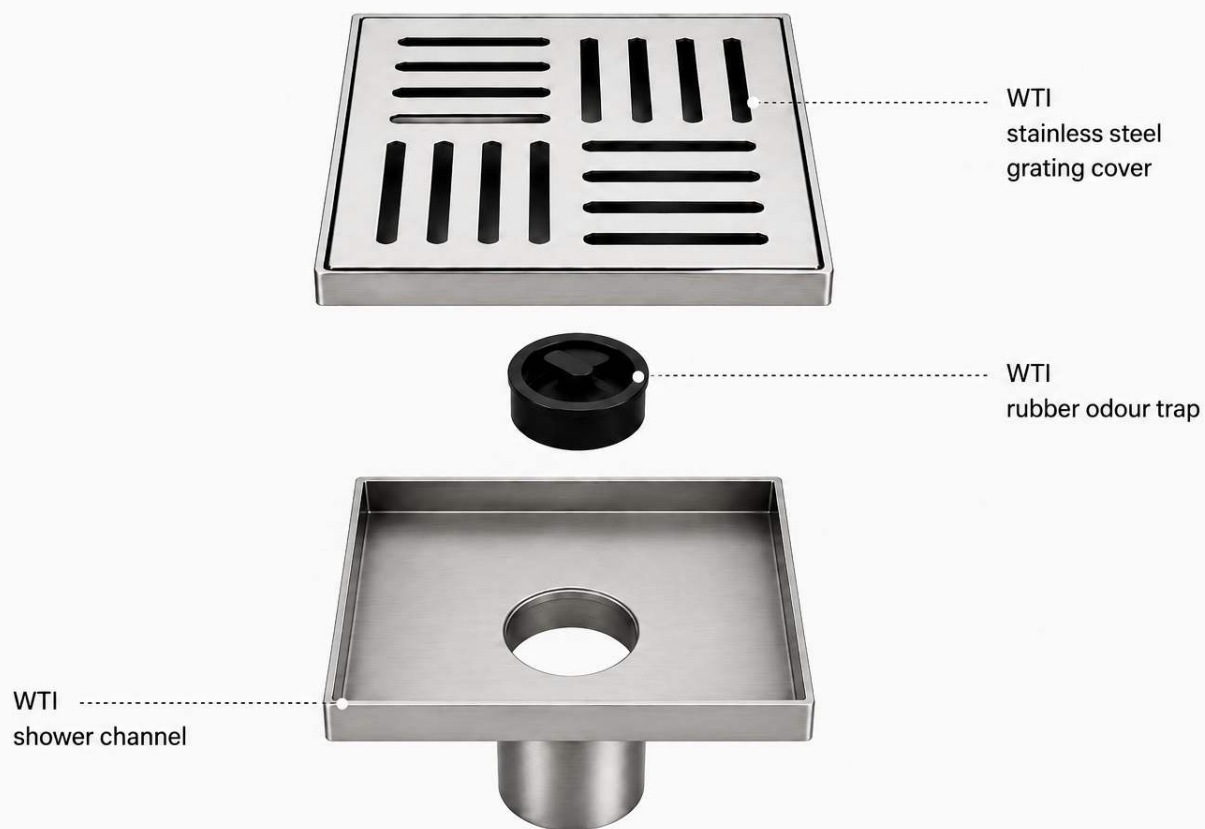
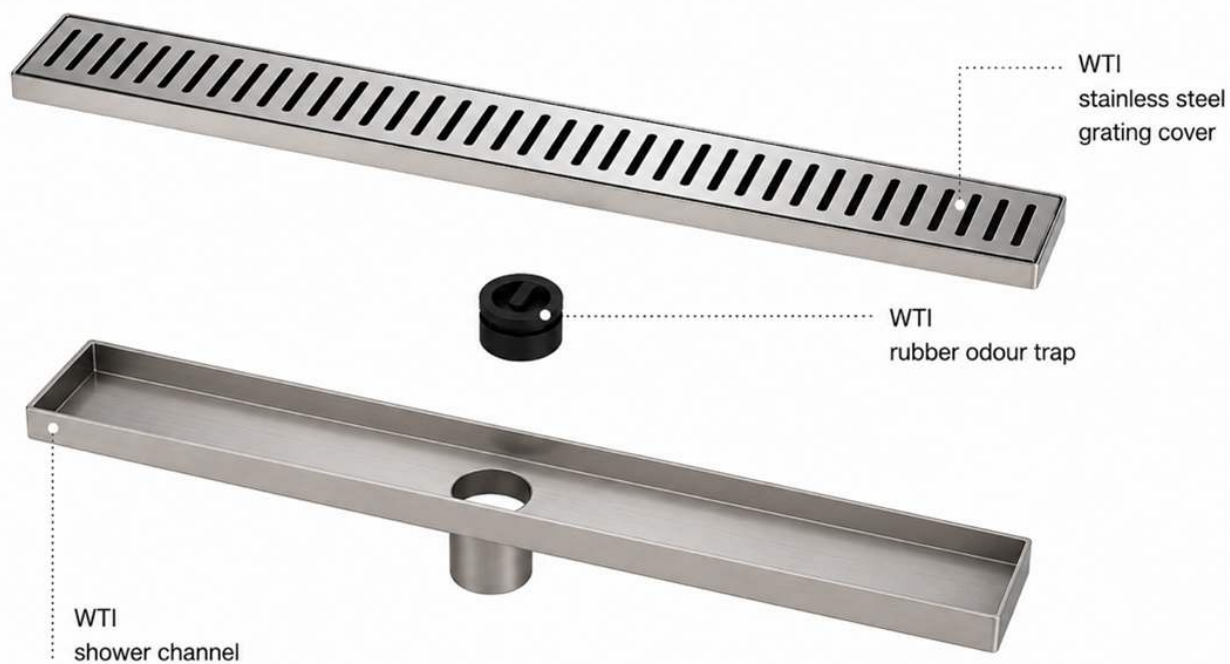
Length / mm	Width / mm	Height / mm	Pipe height / mm
350	250	30	50

Technical specifications



Note: Customised option also available







Designed for both residential and commercial applications, WTI shower drains provide efficient surface water collection and rapid drainage while integrating seamlessly into modern bathroom interiors. The sleek stainless steel finish creates a clean, premium appearance, making the drain an integral part of the overall bathroom design rather than simply a functional component.

The smooth, non-porous surface of stainless steel makes the system easy to clean and maintain, helping prevent the accumulation of dirt and supporting a more hygienic environment. An integrated odour trap helps prevent unpleasant odours and gases from travelling back through the drainage system, ensuring a fresher and more comfortable bathroom environment. The drain is also designed for convenient access and cleaning, making regular maintenance simple.

SS304 / SS316L

Made: Stainless Steel

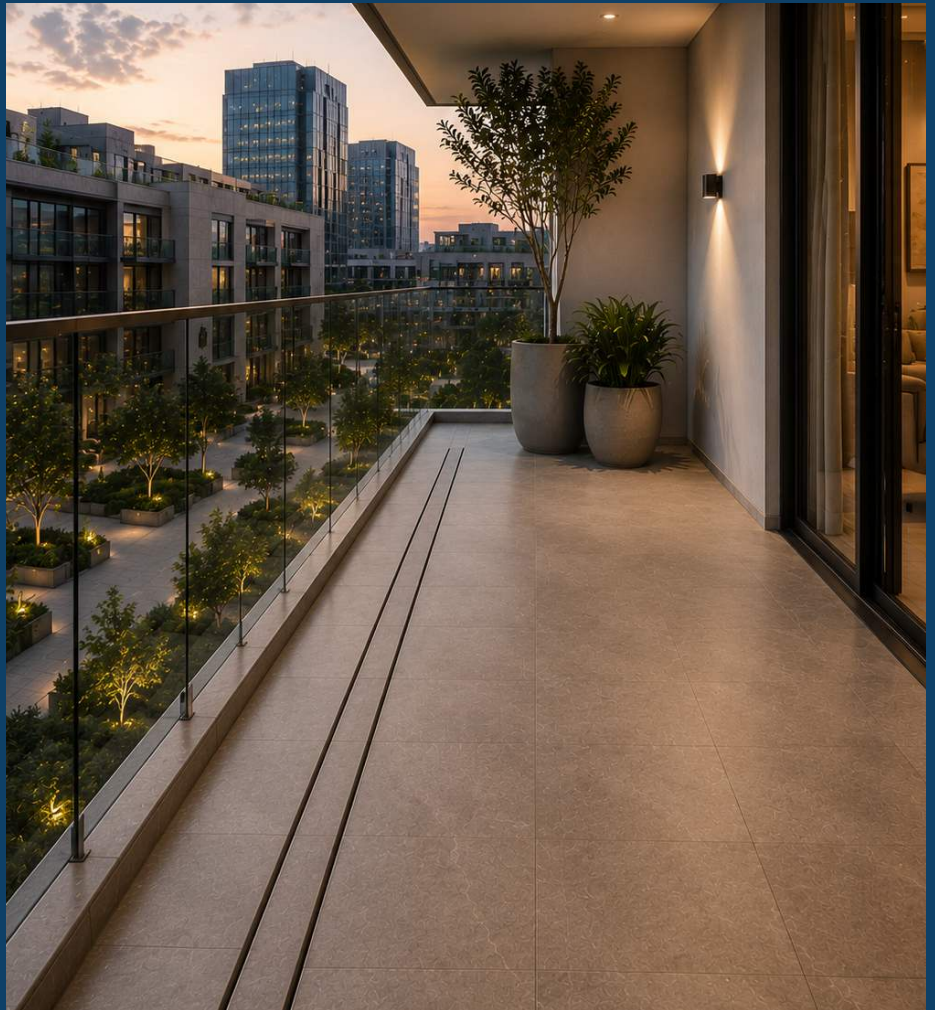
Double slot tile insert channel drain

Built-in internal slope

Fully customizable

BALCONY DRAINAGE SYSTEM

03



Keep The Water Flowing

Tile insert — floor tile sits flush inside the grating
Double slot intake on both sides
1000 mm · 150 mm wide · 50 mm high (Customisable)

WHY THIS DRAIN



Premium stainless steel

Fabricated in SS304 as standard, or SS316L. Fully laser welded, passivated and built to last the life of the building.

Invisible tile insert design

Your floor tile sits inside the grating, so the drain disappears into the balcony floor — only two slim slots remain visible.

Double slot intake

Twin 12 mm slots collect water from both sides of the channel simultaneously.

Built-in internal slope

A 2 mm fall is fabricated into the base of every channel, so water drains fully even on a dead-flat balcony floor. No puddling, no stagnant water.

Made to your requirement

Length, width, depth, outlet size and position, corners and finishes are all customizable — every drain is fabricated to suit your project.

Hygienic & easy to maintain

Smooth internal surfaces resist scale and grime. The tile insert lifts out for quick access and cleaning of the channel.

Designed for modern balconies. Slim 50 mm (customisable) construction fits within standard balcony screeds, while the 150 mm wide channel and twin slots handle heavy monsoon run-off. The floor stays level, the drainage stays invisible and the slope is already inside the channel.

TECHNICAL DETAILS

Channel cross - section	150 mm overall width · 50 mm height · 12 mm slot on each side · tile insert tray
Custom Width	Customizable width on request
Internal slope system - 2 mm fall per channel	↓ Channel 1 - 1 m (2 mm fall) ↓ Channel 2 - 1 m (2 mm fall) ↓ Channel 3 - 1 m (2 mm fall) ↓ Total Fall to Outlet: 6 mm
Grating level	Grating level stays dead flat, flush with tiles.

SPECIFICATIONS

Material	SS304 (standard) / SS316L
Channel width	150 mm
Channel height	50 mm
Standard length	1000 mm per channel
Grating type	Double slot tile insert
Slot width	2 x 12 mm
Internal slope	2 mm per channel, continuous across joints

CUSTOMIZABLE ON REQUEST

- Any length — single piece or multi-channel runs
- Width and depth to suit screed thickness
- Outlet: vertical or horizontal, Ø 50 / 75 / 110 mm
- Outlet position — end, centre or as required
- L-corners, T-junctions and site-specific shapes
- Slot width and tile recess depth to match your tile



 wtidrains.com

 info@wtidrains.com

CORPORATE HEAD OFFICE

Unit No. 315, Third Floor,
U. S. Complex,
Opp. Apollo Hospital,
120, Mathura Road,
New Delhi - 110076

PLANT

WINDOW TECHS INDIA PVT. LTD.
Plot no. DTA 003-003 & 004
Dadiya Narsinghpura,
Mahindra World City
Jaipur, Rajasthan - 303905

