

Linear Screed Drain

PRODUCT
SPECIFICATION
GUIDE

CCL
WETROOMS

SECTION I - SOLID FLOOR DRAINS

I.1 PRODUCT INFORMATION

I.2 LINEAR DRAINS

A) LINEAR SCREED DRAIN

B) LINEAR SCREED LINE

I.3 FLOOR BUILD UP

A) HI-BUILD LATEX

B) LINEAR SCREED-DEC

I.4 SOLO 4

I.1**I.2 a****I.2 b****I.3 a****I.3 b****I.4**

CHOOSE LAYOUT

ONE-WAY FALL

Having a single one-way fall has some significant advantages in both the design and installation of a wetroom shower.

The linear drain is neatly positioned up against the wall, ensuring a sleek, unobtrusive finish, whilst at the same time making it simple to create the gradient using our pre-formed Linear Screed-Dec.

It is also simple to tile, especially when using large format tiles, with no difficult or unsightly cuts required around the drain.

List of products to achieve one-way fall

Drainage - see section 1.2 for full details

- Linear Screed Drain
- Linear Screed Line

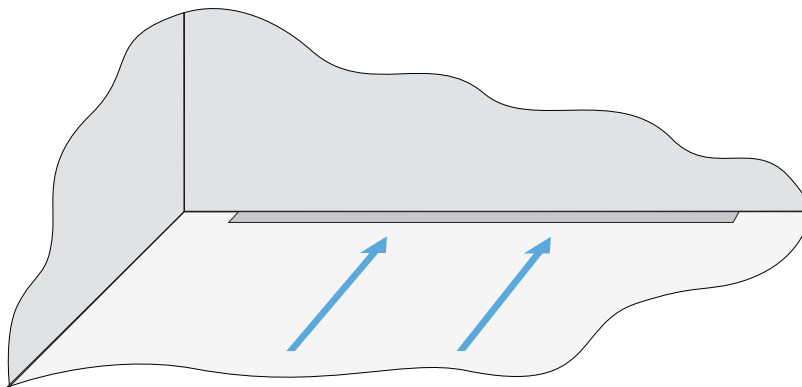
Floor build-up - see section 1.3 for full details

- Linear Screed-Dec
- HBL-50 Hi-Build Latex

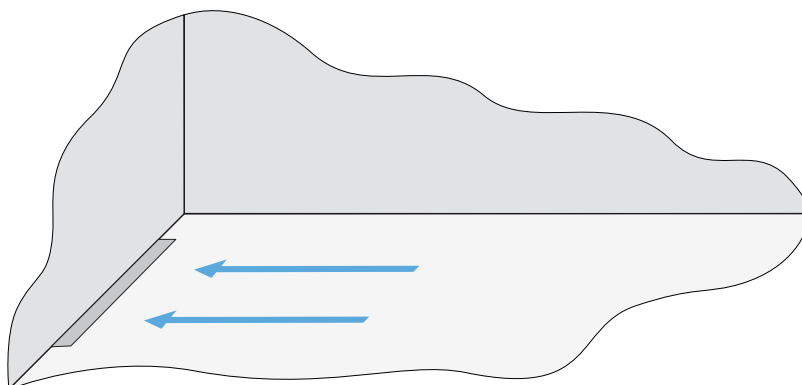
FAST TRACK bespoke service available - delivered in 3-4 days.

1.1

Drain positioned against the long wall.



Drain positioned against the short wall.





CHOOSE LAYOUT

TWO-WAY FALL

With the linear drain positioned off the wall, a two-way fall design maintains a sleek look with the gradient formed in two directions, either side the drain.



THREE-WAY FALL

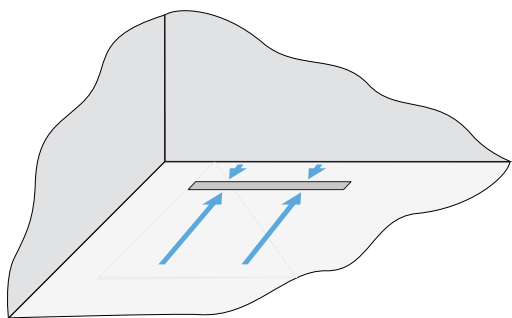
With the linear drain positioned against the wall, the gradient is formed in three directions towards the drain. Suitable for larger showers exceeding 2000mm and walk-through shower areas.



FOUR-WAY FALL

With the single point drain positioned within the shower area, the gradient is formed in four directions towards the drain. Best suited for mosaic tiles.





List of products to achieve two-way fall

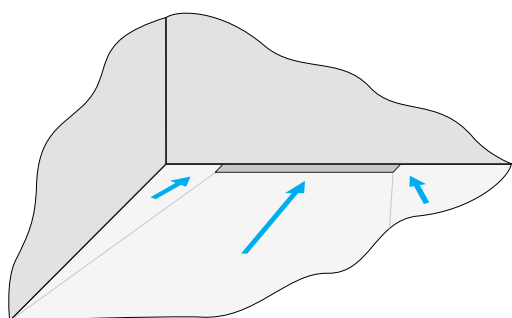
Drainage - see section 1.2 for full details

- Linear Screed Drain
- Linear Screed Line

Floor build-up - see section 1.3 for full details

- Linear Screed-Dec
- HBL-50 Hi-Build Latex

FAST TRACK bespoke service available - delivered in 3-4 days.

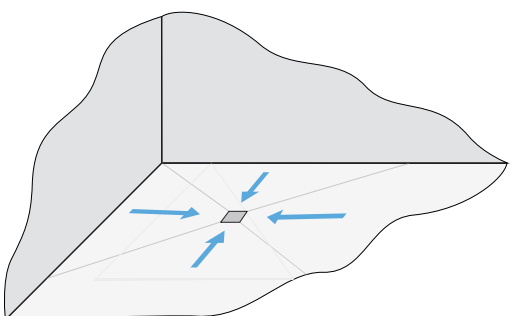


List of products to achieve three-way fall

Drainage - see section 1.2 for full details

- Linear Screed Drain
- Linear Screed Line

FAST TRACK bespoke service available - delivered in 3-4 days.



List of products to achieve four-way fall

Drainage - see section 1.4 for full details

- Solo4

SOLID
FLOOR

1.2 a

LINEAR SCREED DRAIN



Linear Screed Drain

By combining innovative design with the latest technology, our Linear Screed Drain offers designers the freedom to position a linear drain almost anywhere within the shower.

Utilising our unique **O-SEAL** trap we have achieved the shallowest possible drain, coupled with an almost infinite choice of grill length, height and finish, to meet the requirements of any project.

In addition we offer a simple floor build-up option, along with a range of waterproofing products, to provide a complete wetroom solution, all backed up by our Lifetime Guarantee.

1.2 a

INTRODUCTION

SOLID
FLOOR

MINIMUM HEIGHT:
STANDARD
BRACKETS: 55mm
EXTRA SHALLOW
BRACKETS: 38mm



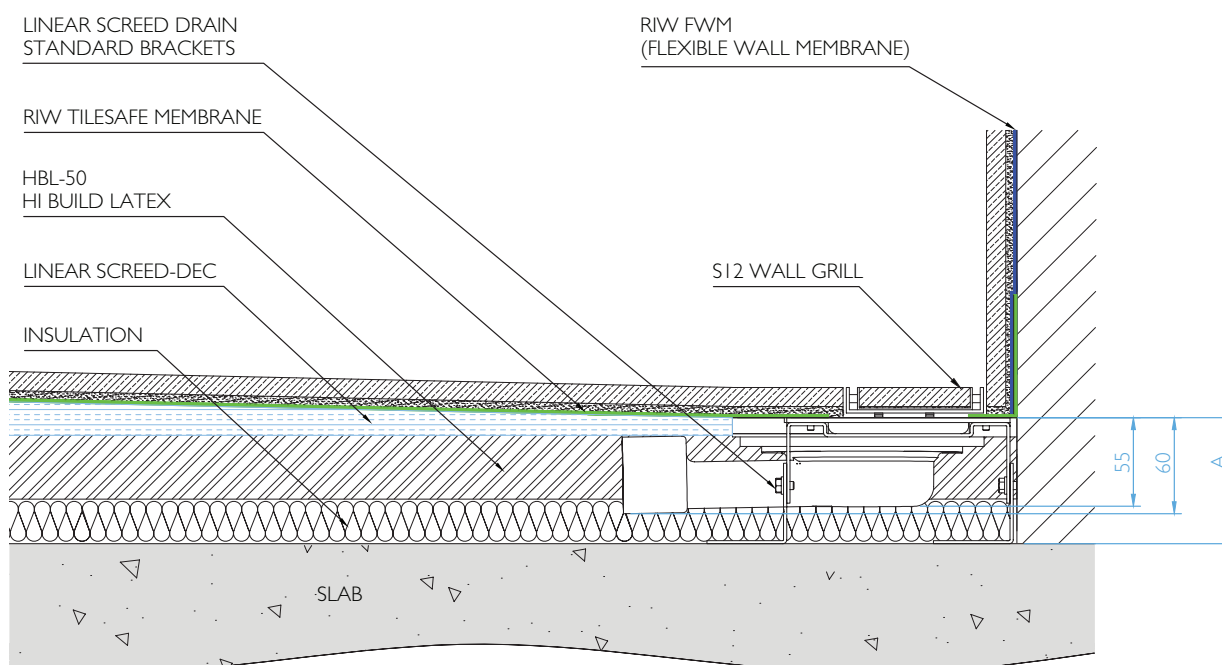
KEY FEATURES

The Linear Screed Drain has been developed specifically for concrete or screeded floors for use on concrete slabs, planks and block and beam floors.

The key feature of the Linear Screed Drain is its height, the total height from the base to the top of the trough being only 55mm, making it perfect for today's modern construction methods.

The drain incorporates our unique **IO-SEAL** waterless trap technology which has been granted BBA approval and is supported with a lifetime guarantee.

Available with one, two or three traps and a choice of stylish grill finishes, the Linear Screed Drain will suit any application.



DIMENSION A : MIN. 55mm MAX. 88mm (Extension brackets available) drawn as 79mm.

LINEAR SCREED DRAIN

KEY FEATURES

- Minimum height 55mm with Standard Brackets
- Minimum height 38mm with Extra Shallow Brackets ^{‡1}
- BBA Approved
- Lifetime Guarantee
- **O-SEAL** Waterless Trap
- 360° Rotatable outlet
- Centre, left and right handed trap position
- Flow rate up to 70 L/min ^{‡2}
- Height adjustable brackets
- Height adjustable grill
- Grill lengths up to 2000mm
- **FAST TRACK** Bespoke service - delivered in 3-4 days

^{‡1} Requires drain outlet to be recessed into the slab, refer to drawings on pages 18 & 19.

^{‡2} See page 8 for full details.

HOW TO BUILD YOUR DRAIN

There are two components required to specify a Linear Screed Drain - the drain body and the grill.
To specify the drain body, select the required number of traps along with the bracket type.
Then simply choose the grill, selecting the desired type, length and finish.

DRAIN BODY



Number of traps

- Single Trap - flow rate up to 29 L/min
- Double Trap - flow rate up to 56 L/min
- Triple Trap - flow rate up to 70 L/min

See page 8 for full details

Bracket type

- Standard Height - adjustment 55mm-88mm
- Extra Shallow Height - adjustment 38mm-57mm[‡]

[‡] Extension brackets are available for floor depths above 88mm.
See page 9 for full details

GRILL



Grill type - Wall or Floor

- Floor Grill - for installation off the wall
- Wall Grill - positioned neatly up against the wall

See page 10 for full details

Grill length

- 15 Standard lengths
- Bespoke lengths from 600mm - 2000mm
- **FAST TRACK** Bespoke service - delivered in 3-4 days

See page 11 for full details

Grill finish

- 5 Stylish grill finishes

See page 13 for full details

NUMBER OF TRAPS

The unique **IO-SEAL** waterless trap has been specially designed with a spring-loaded mechanism which keeps the trap sealed when not in use.

This ensures that even when left unused for prolonged periods the trap cannot dry out, making it ideal for situations where the shower is not in everyday use.

The smart design of the linear trough allows the waste position to be rotated through 360° enabling installation in most scenarios with ease.

- Easy to clean and replace trap
- Trap remains closed when not in use
- No siphoning of the trap due to other appliances
- No chance of smells or gases entering the room
- BBA approved
- Lifetime guarantee

IO-SEAL Trap



29 L / min

Single Trap

- Flow rate up to 29 L/min ^{‡1}
- Centre trap position (shown)
- Left and right handed option also available
- Outlet position rotates through 360°



56 L / min

Double Trap

- Flow rate up to 56 L/min ^{‡1}
- For medium-high performance showers
- Outlet position rotates through 360°



70 L / min

Triple Trap

- Flow rate up to 70 L/min ^{‡1}
- For high performance showers
- Outlet position rotates through 360°

^{‡1} Flow rates indicated are a guide only, based upon 42mm waste pipe and swept bends.
See pages 16 & 17 for product codes.

BRACKET TYPE

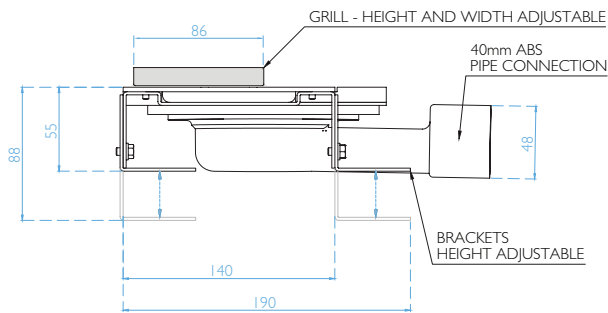
The standard bracket allows the drain to be set as low as 55mm, with height adjustment up to 88mm.

Extension brackets are available for floor depths above 88mm - see below for details.

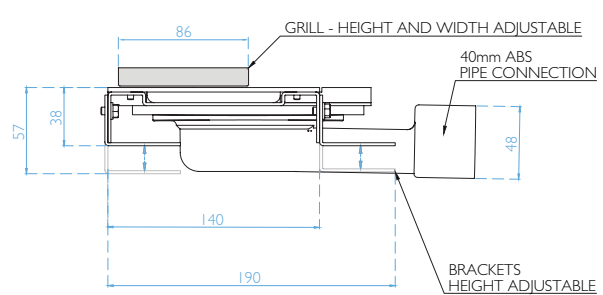
The extra shallow bracket allows the drain to be set as low as 38mm, with height adjustment up to 57mm.

This requires the drain outlet to be recessed into the slab - for details see drawing on pages 18 & 19.

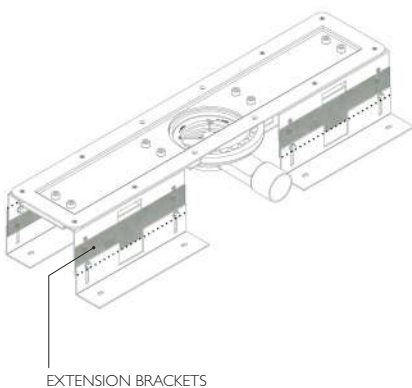
STANDARD BRACKET



EXTRA SHALLOW BRACKET



HEIGHT EXTENSION BRACKET



Use extension brackets where the required height of the drain body exceeds 88mm.

Each bracket will increase the height by 30mm, multiple brackets can be used if necessary.

See pages 16 & 17 for product codes.

GRILL TYPE - WALL OR FLOOR

There are two types of grill available with the Linear Screed Drain, both fit onto the drain body using 8 pre-set fixing points.

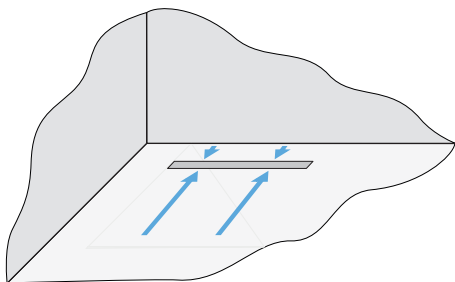
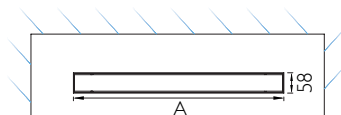
Both the Floor Grill and Wall Grill are independently height adjustable, enabling the grill to be positioned precisely to suit the tile thickness being used.

The final position of the Wall Grill is also independently width adjustable by up to 38mm, allowing the grill to be neatly positioned up against the wall tile, after the drain body has been installed, for a perfect finish every time.

All grills are manufactured in 316 grade stainless steel ensuring a stunning high quality durable finish.

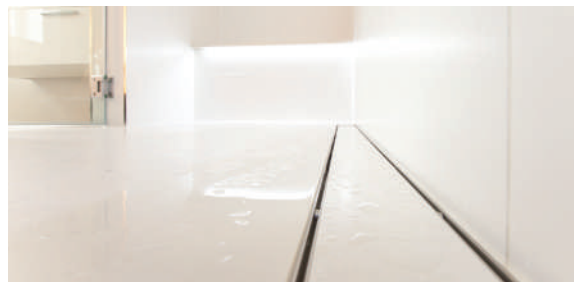
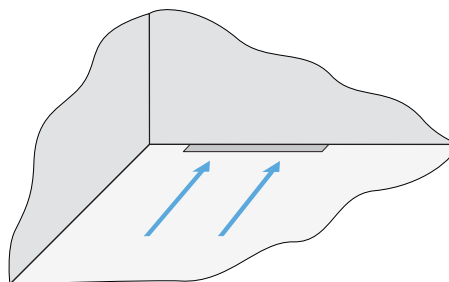
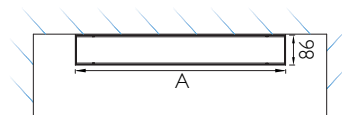
FLOOR GRILL

The centre point of the Floor Grill is typically positioned 150mm from the wall, to create a two-way fall within the shower: **Grill width 58mm.**



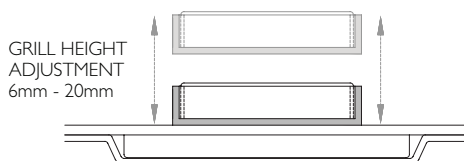
WALL GRILL

The Wall Grill is positioned neatly up against the wall, to create a one-way fall within the shower: **Grill width 86mm.**



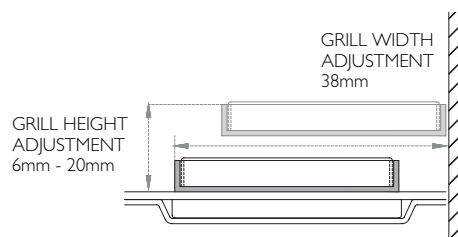
HEIGHT ADJUSTMENT

The Floor Grill is independently height adjustable in 1mm increments to suit different tile thicknesses.



See pages 16 & 17 for product codes.

The Wall Grill is independently height adjustable in 1mm increments to suit different tile thicknesses. The final position of the Wall Grill is also independently width adjustable by up to 38mm.



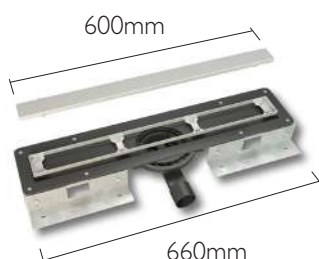
GRILL LENGTH

All grill finishes are offered in 15 standard lengths ranging from 600mm to 2000mm, with the majority available from stock on a next day delivery service.^{‡1}

Where a standard grill length is not suitable we offer a **FAST TRACK** bespoke design service, manufactured and delivered in as little as 3-4 days. See below for further details.

The drain body is always installed first, prior to the application of the waterproofing membrane, with the grill installed at the point of tiling.

Regardless of the length of grill, the drain body always remains the same at 660mm. Where the grill length exceeds 660mm the ends of the grill overhang the drain body and are supported with tile adhesive - see image below.



The following standard grill lengths are available:

- | | | | | |
|----------|----------|----------|----------|----------|
| • 600mm | • 700mm | • 800mm | • 900mm | • 1000mm |
| • 1100mm | • 1200mm | • 1300mm | • 1400mm | • 1500mm |
| • 1600mm | • 1700mm | • 1800mm | • 1900mm | • 2000mm |

^{‡1} Excludes grill types B & C greater than 1500mm.

For grill types S & F greater than 1500mm; the insert is supplied in two equal sections.

Offset grill position available as a bespoke - see below for details.

FAST TRACK BESPOKE

Where a standard grill length is not sufficient to meet the requirements of a project, such as when designing the drain to fit exactly between two walls, a bespoke length may be required.

We understand the exact grill length required may not be known until the shower has been tiled, therefore to meet such requirements we offer a unique **FAST TRACK** production service, where we can manufacture and deliver a bespoke length grill in 3-4 days.

We can achieve this due to the unique design of our drain, with the drain body supplied separately, and the grill to follow.

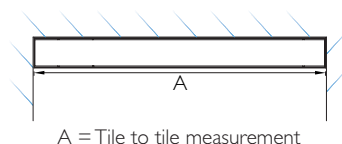
- Any length grill between 600mm-2000mm
- Manufactured and delivered in 3-4 days.
- Grill types A, S8, S12, S20 & F
- No drawing required ^{‡2}

^{‡2} Subject to drain body being installed centrally within the shower area.

BESPOKE GRILL DESIGN

We also offer a bespoke design service where we can manufacture a grill to a specific width or height, or to a completely unique design, usually within 2-3 weeks. Please contact our technical team for further information.

Wall to wall grill



A = Tile to tile measurement

Where a wall to wall grill finish is required it is recommended to take a measurement on-site from the face of the wall tiles, therefore ensuring there are no gaps either side of the grill. The grill is manufactured and delivered in 3-4 days using our **FAST TRACK** grill service.

See pages 16 & 17 for product codes.

1.2 a

SOLID
FLOOR

1.2 a

LINEAR SCREED DRAIN

FRAMELESS GRILL

With only a shadow gap visible around the perimeter of the drain, the stunning Frameless Grill ensures water drains effortlessly away, providing a sleek, contemporary finish to any room.

Frameless design complements all brassware finishes.

GRILL FINISH

Ultimately the grill finish is the only visible element of our wetroom system and as such, is often the defining factor of the overall design.

From the contemporary Stone-Infill or ultra-stylish Frameless, to the simplicity of the Brushed stainless steel, we have a grill finish to complement any design style.

We manufacture all of our grills using only 316 marine grade stainless steel, ensuring a stunning high quality durable finish, complete with our Lifetime Guarantee.

The grill insert is easily removed for cleaning and maintenance, using the key provided with the grill.



BRUSHED STAINLESS STEEL

- Choice of designs in a metallic finish.

Type A - Solid

With a 5mm gap around the grill for a sleek stylish finish.

Type A



Type B - Slotted

Holes with a brushed stainless steel finish.

Type B



Type C - Square

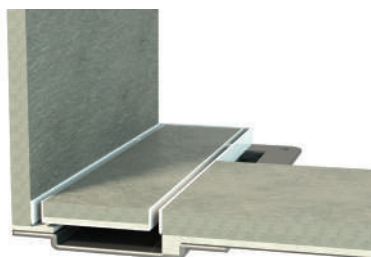
Designed with a brushed stainless steel finish.

Type C



STONE-INFILL

- Allows a section of matching stone or tile to be inserted.



Type S8 - Stone-Infill ^{‡1}

Suits 6-8mm stone thickness.

Type S8



Type S12 - Stone-Infill ^{‡1}

Suits 10-12mm stone thickness.

Type S12



Type S20 - Stone-Infill ^{‡1}

Suits 18-20mm stone thickness.

Type S20



FRAMELESS

- Ensures a stunning almost invisible finish, using a section of matching stone or tile. Frameless design complements all brassware finishes.

Type F - Frameless Grill ^{‡1}

Suits any stone thickness.

Type F



Stock lengths 600mm - 2000mm. Bespoke lengths manufactured and delivered in as little as 3-4 days.

All grill finishes are kept in stock, see page 11-12 for available lengths and details of our bespoke manufacturing service.

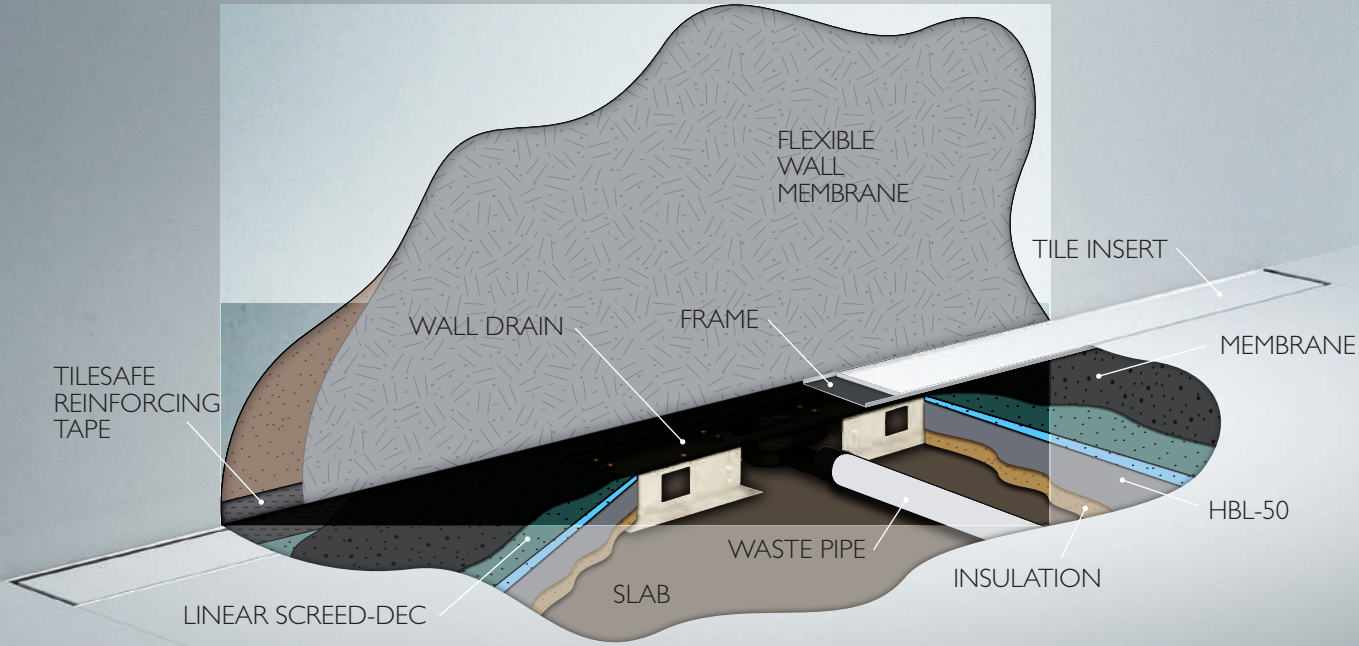
See pages 16 & 17 for product codes.

^{‡1} For grill types S & F greater than 1500mm, the insert is supplied in two equal sections. Suitable for stone and porcelain tiles only.

1.2 a

LINEAR SCREED DRAIN

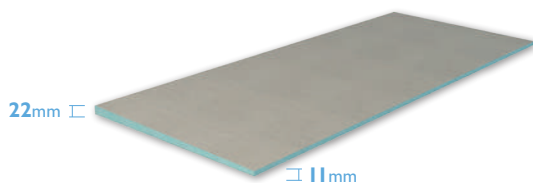
WETROOM COMPONENTS



FLOOR BUILD-UP & WATERPROOFING

SOLID
FLOOR

LINEAR SCREED-DEC



The Linear Screed-Dec is a pre-formed tapered board which removes the uncertainty of forming a fall within the screed in the shower area by hand.

Each board has a pre-engineered one-way fall, providing a guaranteed consistent gradient every time - see section 1.3 for full details.

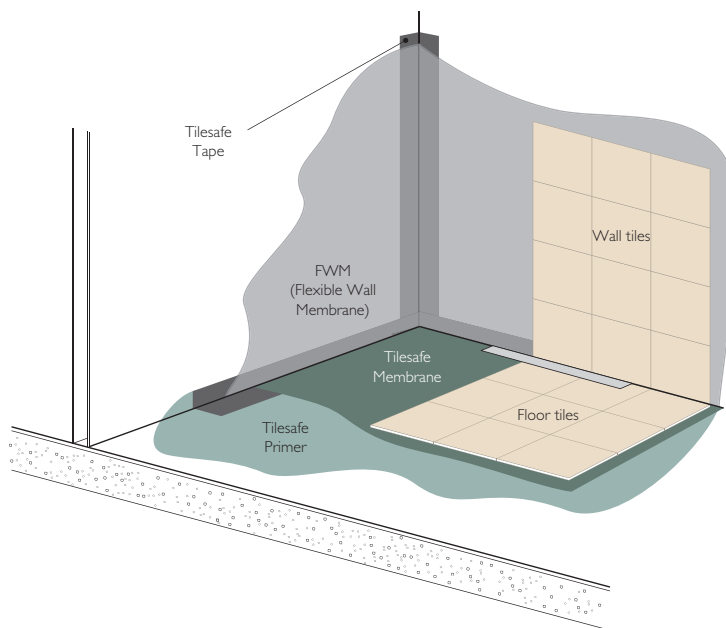
HBL-50



HBL-50 is a hi-build wetrooms levelling compound specifically designed to provide a sound and stable base for the Linear Screed-Dec, while at the same time allowing for any on-site tolerances - see section 1.3 for full details.

1.2 a

WATERPROOFING



Waterproofing is one of the key elements of any wetroom, ensuring the room remains watertight at all times.

To ensure your entire project is fully covered by our Lifetime Guarantee we have developed a range of unique waterproofing solutions. These are specifically designed and guaranteed to work with our Linear Screed Drain, to provide a complete solution and total peace of mind.

- Floor and wall membrane
- De-coupling properties
- Acoustic properties
- Quick and easy to apply
- Lifetime Guarantee







See Section 3 for full details.

LINEAR SCREED DRAIN

PRODUCT CODES - DRAIN BODY









DRAIN BODY WITH STANDARD BRACKETS

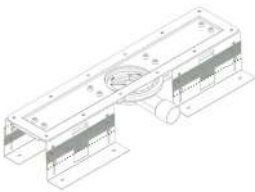




TYPE	DRAIN & FLOW RATE	TRAPS	CODE
	 29 L / min	I: Centre	LSD-1C/ST
	 29 L / min	I: Right	LSD-1R/ST
	 29 L / min	I: Left	LSD-1L/ST
	 56 L / min	2	LSD-2/ST
	 70 L / min	3	LSD-3/ST

Extension brackets available to increase maximum height. Please see below.

DRAIN BODY WITH EXTRA SHALLOW BRACKETS

TYPE	DRAIN & FLOW RATE	TRAPS	CODE
	 29 L / min	I: Centre	LSD-1C/ES
	 29 L / min	I: Right	LSD-1R/ES
	 29 L / min	I: Left	LSD-1L/ES
	 56 L / min	2	LSD-2/ES
	 70 L / min	3	LSD-3/ES

HEIGHT EXTENSION BRACKETS

TYPE	BRACKET TYPE	SUITABLE FOR	CODE
		Single Trap Centre (LSD-1C/ST)	LSD-1C/EXT
		Single Trap Handed (LSD-1R/ST or LSD-1L/ST)	LSD-1H/EXT
		Double Trap (LSD-2/ST)	LSD-2/EXT
		Triple Trap (LSD-3/ST)	LSD-3/EXT

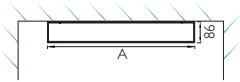
Use extension brackets to increase the height of the standard drain above 88mm. Each bracket will increase the height by 30mm, multiple brackets can be used if necessary.

PRODUCT CODES - GRILL



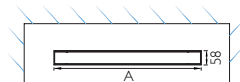
SOLID FLOOR

WALL GRILL



LENGTH	CODE	GRILL FINISH
600mm	SWG-600/-	Add code for Grill Finish:
700mm	SWG-700/-	
800mm	SWG-800/-	Stone-Infill options: S8 = Suits 6-8mm tile thickness S12 = Suits 10-12mm tile thickness S20 = Suits 18-20mm tile thickness F = Suits any tile thickness
900mm	SWG-900/-	
1000mm	SWG-1000/-	
1100mm	SWG-1100/-	
1200mm	SWG-1200/-	Brushed stainless steel options: A = Solid B = Slotted C = Square
1300mm	SWG-1300/-	
1400mm	SWG-1400/-	
1500mm	SWG-1500/-	
1600mm ^{‡1,2}	SWG-1600/-	See p13 for full details.
1700mm ^{‡1,2}	SWG-1700/-	
1800mm ^{‡1,2}	SWG-1800/-	
1900mm ^{‡1,2}	SWG-1900/-	
2000mm ^{‡1,2}	SWG-2000/-	Example: Grill Type - Grill Length / Grill Finish SWG - 1100 / S20
FAST TRACK Bespoke ^{‡3}	SWG-FT/-	
Bespoke ^{‡1,2}	SWG-BES/-	

FLOOR GRILL



LENGTH	CODE	GRILL FINISH
600mm	SFG-600/-	Add code for Grill Finish:
700mm	SFG-700/-	
800mm	SFG-800/-	Stone-Infill options: S8 = Suits 6-8mm tile thickness S12 = Suits 10-12mm tile thickness S20 = Suits 18-20mm tile thickness F = Suits any tile thickness
900mm	SFG-900/-	
1000mm	SFG-1000/-	
1100mm	SFG-1100/-	
1200mm	SFG-1200/-	Brushed stainless steel options: A = Solid B = Slotted C = Square
1300mm	SFG-1300/-	
1400mm	SFG-1400/-	
1500mm	SFG-1500/-	
1600mm ^{‡1,2}	SFG-1600/-	See p13 for full details.
1700mm ^{‡1,2}	SFG-1700/-	
1800mm ^{‡1,2}	SFG-1800/-	
1900mm ^{‡1,2}	SFG-1900/-	
2000mm ^{‡1,2}	SFG-2000/-	Example: Grill Type - Grill Length / Grill Finish SFG - 1100 / S20
FAST TRACK Bespoke ^{‡3}	SFG-FT/-	
Bespoke ^{‡1,2}	SFG-BES/-	

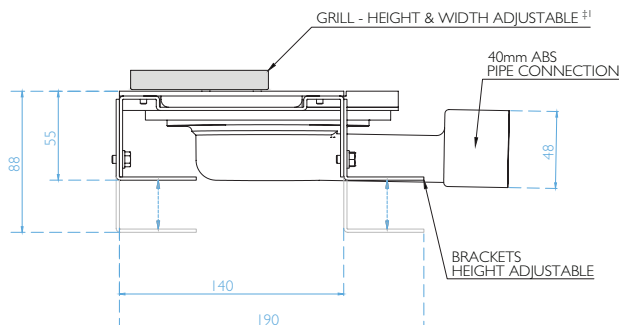
^{‡1} For grill types B & C: 2-3 week lead-time.

^{‡2} For grill types S & F greater than 1500mm, the insert is supplied in two equal sections.

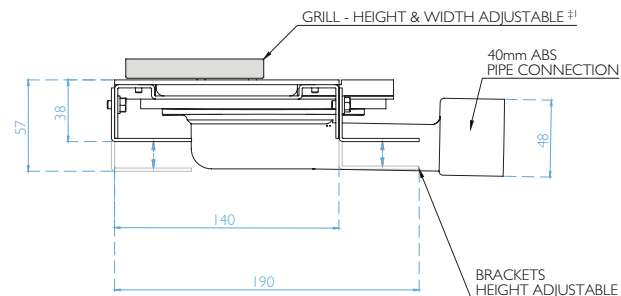
^{‡3} Fast track service: Manufactured and delivered in 3-4 days, maximum length 2000mm.

TYPICAL DETAIL WITH WALL GRILL

STANDARD BRACKETS

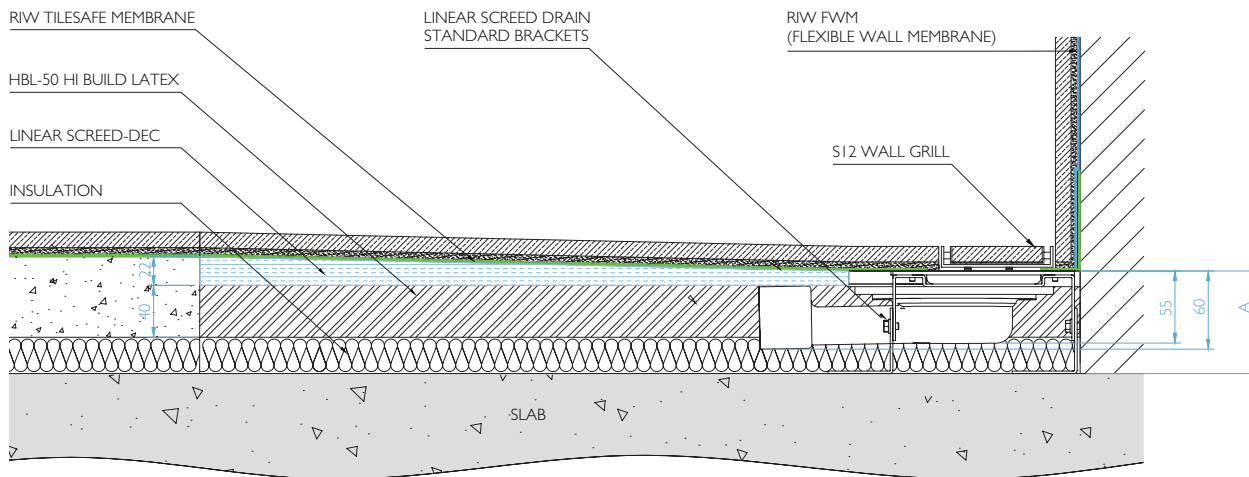


EXTRA SHALLOW BRACKETS



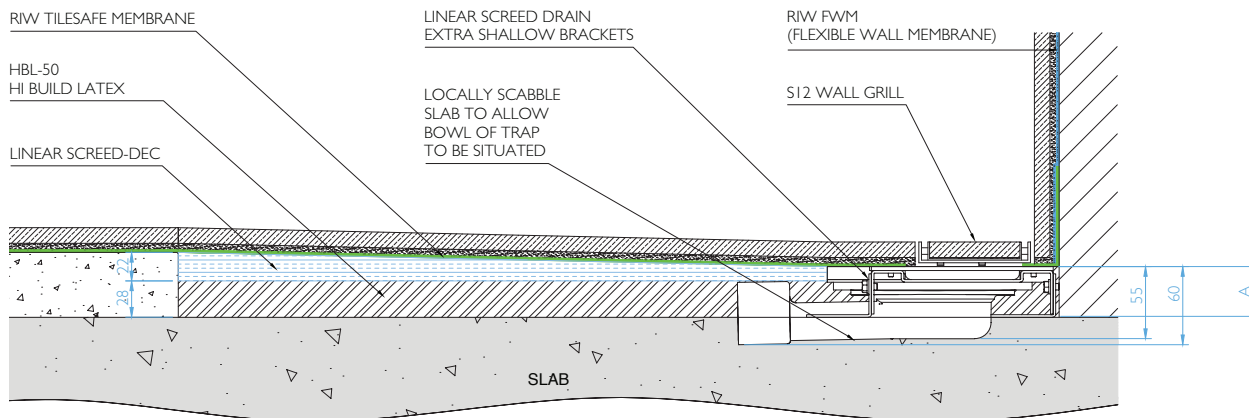
‡ See page 10 for details.

WALL GRILL WITH STANDARD BRACKETS



DIMENSION A : MIN. 55mm MAX. 88mm (Extension brackets available) drawn as 79mm.

WALL GRILL WITH EXTRA SHALLOW BRACKETS

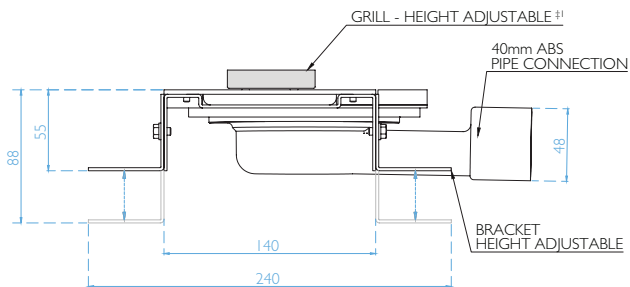


DIMENSION A : MIN. 38mm MAX. 57mm (Extension brackets available) drawn as 39mm.

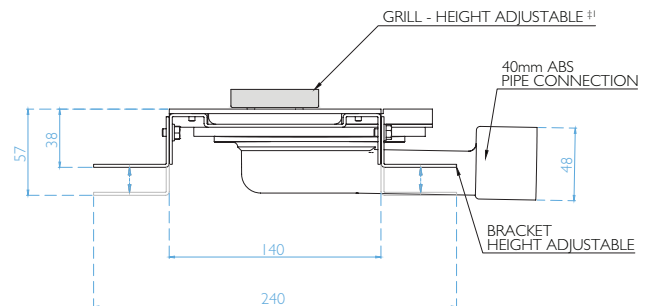
TYPICAL DETAIL WITH FLOOR GRILL

SOLID
FLOOR

STANDARD BRACKETS



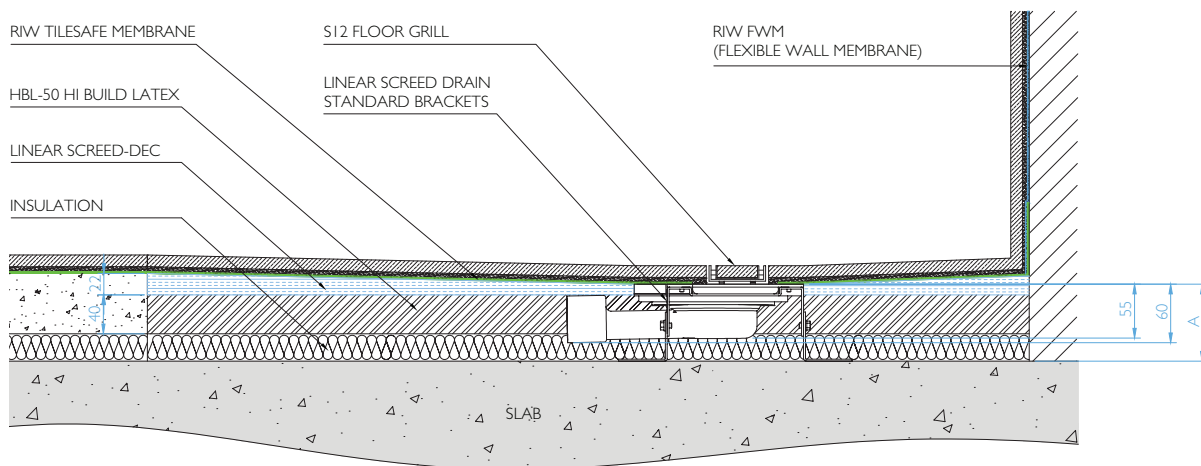
EXTRA SHALLOW BRACKETS



±1 See page 10 for details.

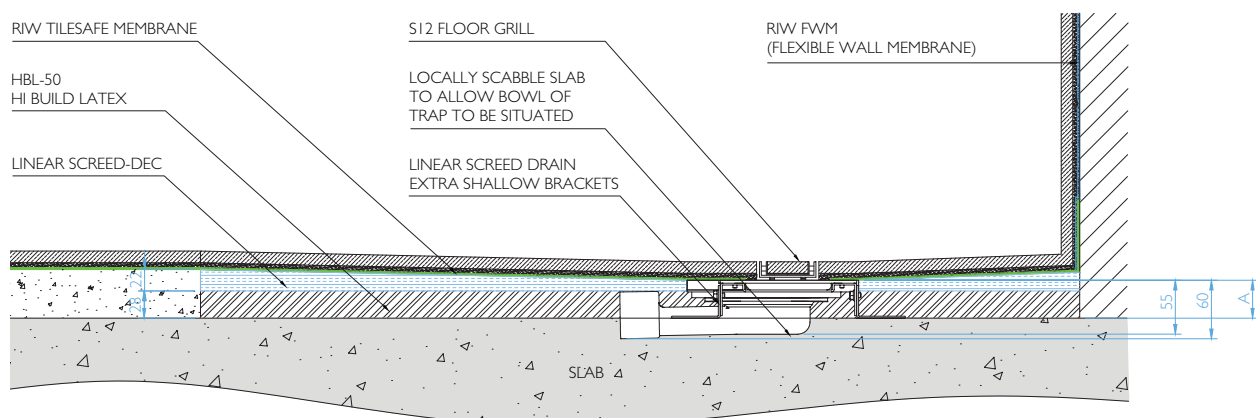
1.2 a

FLOOR GRILL WITH STANDARD BRACKETS



DIMENSION A : MIN. 55mm MAX. 88mm (Extension brackets available) drawn as 79mm.

FLOOR GRILL WITH EXTRA SHALLOW BRACKETS



DIMENSION A : MIN. 38mm MAX. 57mm (Extension brackets available) drawn as 39mm.

TYPICAL DETAIL WITH WALL GRILL

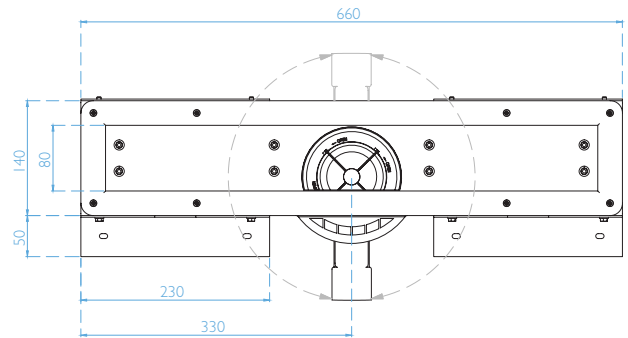
SOLID FLOOR

- Use to create a **one-way fall**
- Minimum height 55mm with Standard Brackets
- Minimum height 38mm with Extra Shallow Brackets^{‡1}
- **IO-SEAL** waterless trap
- 360° Rotatable waste outlet
- Centre, left and right handed waste position
- Flow rate up to 70 L/min^{‡2}
- Height adjustable brackets
- Grill lengths up to 2000mm

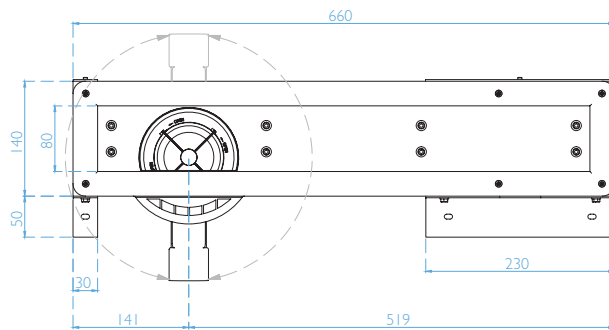
^{‡1} Requires drain outlet to be recessed into the slab, refer to drawing on pages 18 & 19.

^{‡2} See page 8 for full details.

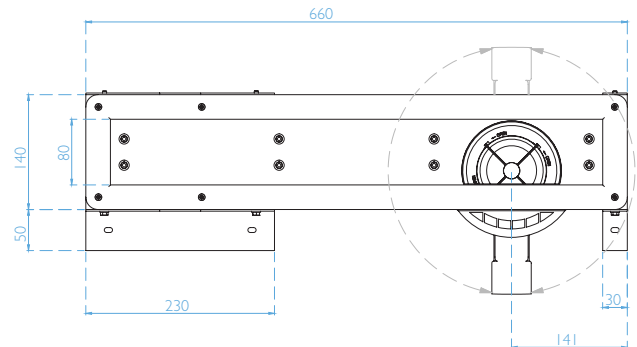
CENTRAL TRAP



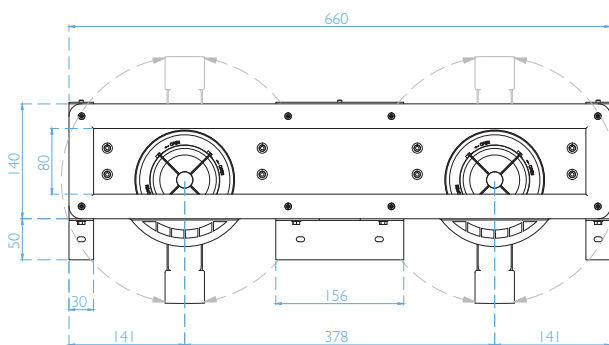
LEFT HAND TRAP



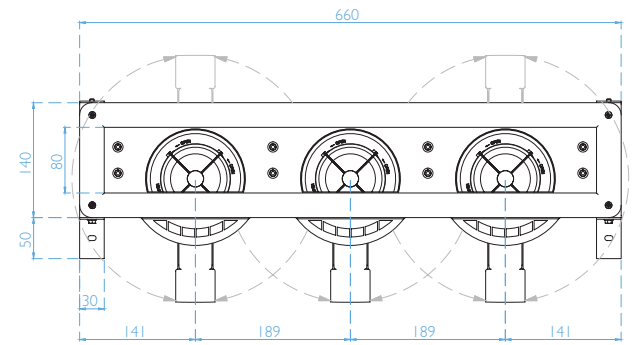
RIGHT HAND TRAP



DOUBLE TRAP



TRIPLE TRAP



TYPICAL DETAIL WITH FLOOR GRILL

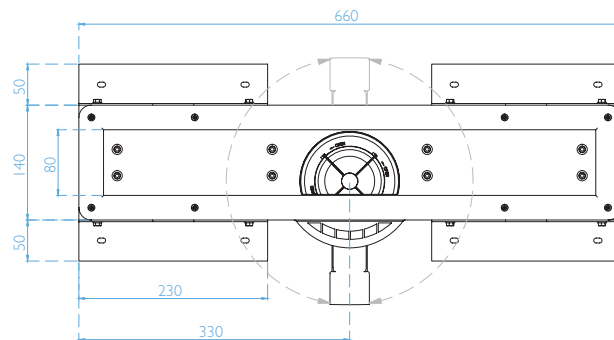
SOLID
FLOOR

- Use to create a **two-way fall**
- Minimum height 55mm with Standard Brackets
- Minimum height 38mm with Extra Shallow Brackets ^{‡1}
- **Q-SEAL** waterless trap
- 360° Rotatable waste outlet
- Centre, left and right handed waste position
- Flow rate up to 70 L/min ^{‡2}
- Height adjustable brackets
- Grill lengths up to 2000mm

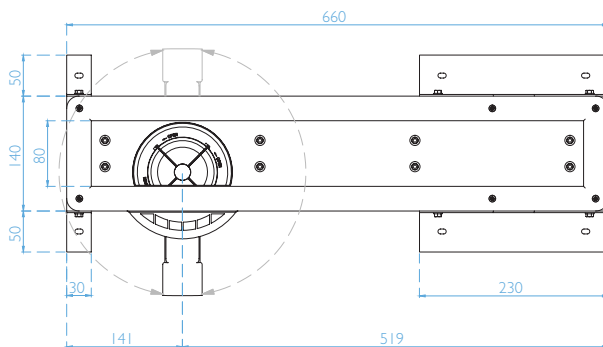
^{‡1} Requires drain outlet to be recessed into the slab, refer to drawing on pages 18 & 19.

^{‡2} See page 8 for full details.

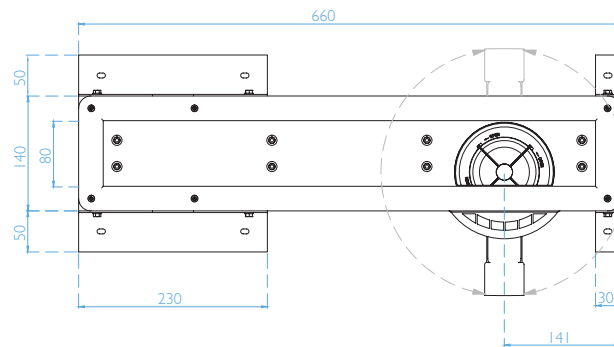
CENTRAL TRAP



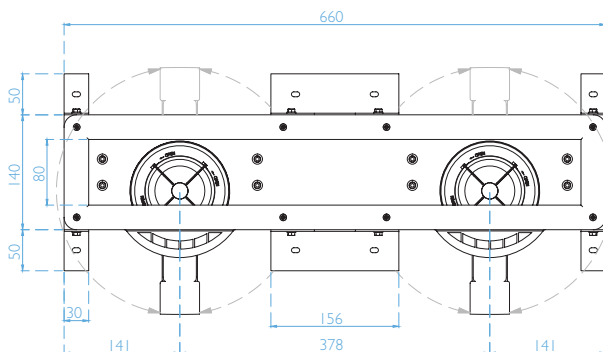
LEFT HAND TRAP



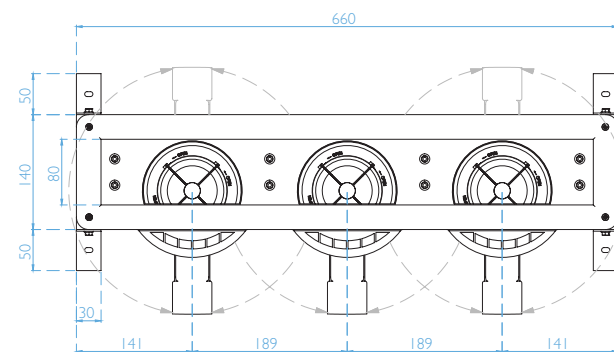
RIGHT HAND TRAP



DOUBLE TRAP



TRIPLE TRAP



LINEAR SCREED DRAIN

TECHNICAL SUPPORT

For technical assistance please contact our experienced technical department who will be happy to assist in the following:

- Project design
- Product specification
- CAD drawings
- Method statements

TECHNICAL SEMINARS

We are able to provide CPD based seminars designed to provide guidance on key wetroom design considerations such as;

- Design and layout
- Drainage
- Waterproofing
- Flow rates

For further information please contact our technical department.

TECHNICAL ADVICE

Our team of technical advisors are able to visit you to provide a professional advisory service and assist with project design and specification.

We are also able to attend site to provide technical support and assistance.

TECHNICAL ENQUIRIES

TEL: 0844 327 6002

Fax: 01256 765100

technical@ccl-wetrooms.co.uk

www.ccl-wetrooms.co.uk

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Hook

RG29 1HA



INSTALLATION

With over 30 years experience in the waterproofing industry, our involvement in a project from conception to completion ensures that quality is never compromised.

Our services include;

- Design and installation
- 10 Year Insured Installation guarantee
- On-site training

INSTALLATION ENQUIRIES

TEL: 0845 045 6001

Fax: 01256 765100

enquiries@wetroomsuk.co.uk

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