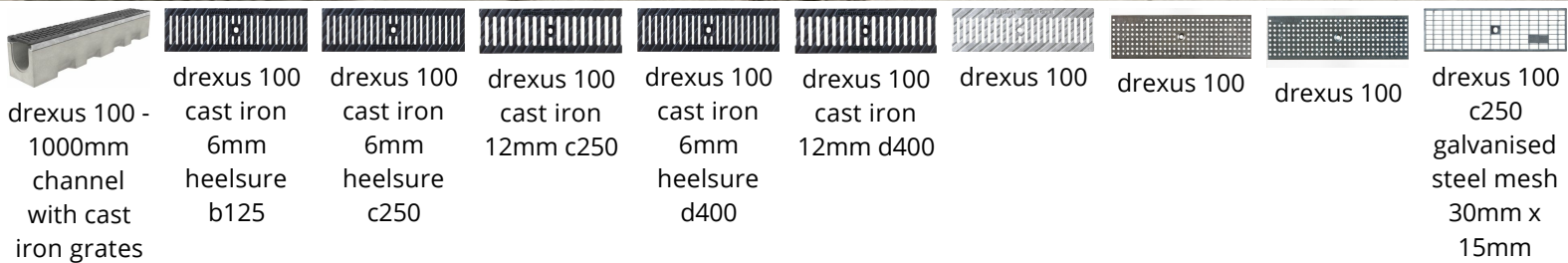


# Drexus 100

Date Created: 07/02/19



Drexus 100 is a low-capacity, cost-effective linear drainage system, suitable for installation within civic, commercial and rail projects where pedestrian or standard traffic application is needed.

The lightest unit in our channel range, the Drexus 100 features 30mm thick scalloped side walls. Despite being lightweight, the system is robust and, when combined with Drexus 100 cast iron grates, provides for load classes of B125 - D400.

Drexus 100 Channels can be specified with 1000mm-long transitions, which improve flow rates and increase the system's overall discharge capacity.

Grating is available in 10 customised options, including cast iron, galvanised and stainless steel. All attach securely to the system via a single integrated bolt locking bar.

DESCRIPTION	
Manufacturing Process	Semi dry pressed & vibrated concrete
Base Raw Material	Concrete
Governing Manufacturing Standards	All data where relevant to be established in accordance with BS EN 1433 : 2002
CE Marking/DOP	<a href="https://www.marshalls.co.uk/dop">https://www.marshalls.co.uk/dop</a>
NBS Specification	Q10 180



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## PHYSICAL PROPERTIES

Work Dimensions (mm)	1000/500 x 160 x 170 1000/500 x 160 x 195 1000/500 x 160 x 220 1000/500 x 160 x 245 1000/500 x 160 x 270
Tolerances on Work Dimensions (mm)	Length ±2mm, width ±2mm, thickness ±3mm
Apparent Density	2280 kg/m <sup>3</sup> (typically)
Water Absorption (%)	Meets the requirement for Grade 2
Water Tightness	Meets the requirements of the standard.

## SPECIFICATION

Approx unit weight (kg)	37 to 70 kg (excluding grate)
Emission of Asbestos	No content
Reaction to fire	Class A1, see commission decision 2000/605/EC

## APPLICATION

Application	Suitable for all locations as described in BS EN 1433 : 2002 for load classification D400
Suitability	Available for both pedestrian and standard trafficking applications, making it suitable for a variety of projects including civic, commercial and rail applications.
Restrictions	Not suitable for use in the main carriageway of a road or motorway cross-over
Loading Classification	B125 C250 D400

## PERFORMANCE

Discharge of cross section	7300 mm <sup>2</sup> - 22300 mm <sup>2</sup>
Protection of steel	Thickness of galvanising is 70 microns
Sealing of joints	Completed by the use of M-Seal or M-Flex into rebate
Security of Grating	By 2no locking bars per 1000mm channel & M12 stainless steel bolts

## SUPPLY

Units Per Pack	Pallet packed for individual contracts
Av. pack weight (kg)	Maximum 1.5 tonnes
Packaging	Banded & shrink-wrapped onto non-returnable pallets

## SUSTAINABILITY

Carbon Footprint	Available on Request
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## FURTHER INFORMATION

Cleaning & Maintenance	Cleaning & maintenance details are available on request
Efflorescence	Any product containing cement during its early life may exhibit a temporary white discolouration known as efflorescence. This is not a product fault and will gradually disappear with exposure to natural weathering and trafficking
Product Evolution	The evolution of new product design is continuous and information is subject to change without notice. Customers should check with the supplier to ensure that they have the latest details. Marshalls reserve the right to amend the technical information as deemed necessary and in accordance with the relevant national and international standards without notice.
Contact Us	For technical information on the design, specification and construction when utilising the product, contact the Technical Advisory Services Department on 0370 411 2233

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GRATING	LOADING	LENGTH	WIDTH	UNIT WEIGHT	ITEM CODE
6 Heelsure Slotted Cast Iron Grate	B125	500	153	3.8	DR5440100
6 Heelsure Slotted Cast Iron Grate	C250	500	153	3.8	DR5440200
12 Slotted Cast Iron Grate	C250	500	153	3.9	DR5440300
6 Heelsure Slotted Cast Iron Grate	D400	500	153	4.5	*DR5440400
12 Slotted Cast Iron Grate	D400	500	153	5.0	*DR5440500
Drexus C100 G/Steel Long Bar 1000 C + Bolt	C250	500	153	3.0	DR5440700
Drexus C100 CI Long Bar 500 C + Bolt	C250	500	153	3.0	DR5440800
Drexus C100 G/Steel 8 Perf 500 C + Bolt	C250	500	153	2.6	DR5440900
Drexus C100 G/Steel 8 Perf 1000 C + Bolt	C250	500	153	3.0	DR5441000
Drexus C100 S/Steel 8 Perf 500 C + Bolt	C250	500	153	3.0	DR5441100
Drexus C100 S/Steel 8 Perf 1000 C + Bolt	C250	500	153	3.0	DR5441300
Drexus C100 G/Steel 500/12 C + Bolt	C250	500	153	3.0	DR5441400
Drexus C100 G/Steel 1000/12 C + Bolt	C250	500	153	4.0	DR5441500
Drexus C100 S/Steel 500/12 C + Bolt	C250	500	1530	2.7	DR5441600
30x15 Mesh Galvanised Steel Grate	C250	500	153	2.5	DR5441700
Drexus C100 S/Steel 1000/12 C + Bolt	C250	500	153	5.6	DR5441800
Drexus C100 S/Steel 30/15 Mesh 500 C + Bolt	C250	500	153	4.2	DR5441900
Drexus C100 S/Steel 30/15 Mesh 1000 C + Bolt	C250	1000	153	8.4	DR5442000

\* Products with an asterisk against the item code are available ex-stock  
Products without an asterisk against the item code are manufactured to order



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