



EVERYTHING  
YOU NEED  
TO CREATE  
**A SAFER  
OUTDOORS**

LANDSCAPE **PROTECTION**



**Marshall's**  
Landscape Protection



# ABOUT MARSHALLS

Marshalls is the UK's leading hard landscaping company. We have achieved this status through progressive product innovation and by demonstrating outstanding service levels to our customers. This privileged position will be sustained by continuous investment in our brand, our products, and our people.

Our vision is built on four pillars:

- **DEMONSTRATING LEADERSHIP**

We believe in driving the industry forward. It's an ambition we've been acting on for over 120 years, thanks to our size, capability, range of products and unmatched market knowledge.

- **DELIVERING EXCELLENCE**

We have very high standards. Our products have to be innovative, our people have to be the best, our workmanship has to be perfect. Only then can we deliver the quality we're renowned for, at every stage of the process.

- **BUILDING TRUST**

Everyone at Marshalls acts with integrity, treating customers and their projects with care and respect. It means people trust us with their home, their business, their town. And it's how we foster relationships for the long-term.

- **BEING SUSTAINABLE**

We use the world to source our products, so we have a responsibility to look after it. It's something we have been committed to for over 120 years and has ensured our longevity. Whether it's creating stronger communities, preserving environments, or contributing to the UN Global Compact, our work is always sustainable.

**Our environment impacts everything we do. The better our environment, the better we can be. At Marshalls our aim is to create opportunities for better spaces for all, in our homes, streets, schools, offices and retail spaces. The Marshalls product range is designed around inspiring others to imagine better and create exceptional landscapes for all to enjoy.**

## LANDSCAPE PROTECTION

Marshalls Landscape Protection offers a new approach – a design, engineering and specification philosophy that enables highly effective protection to blend seamlessly into urban landscape design; allowing architects, planners and designers to install the security measures without instilling fear.

Our developments in design, manufacture and technology negate the need for bulky and obtrusive security, enabling those who design our city spaces to think more creatively about how they can include Hostile Vehicle Mitigation within landscape design features.

Marshalls' integrated Landscape Protection approach involves the application of creative thinking, using our engineering and design know-how to create spaces that are safer by design from the outset.



*Proudly celebrating our tenth year as a superbrand*







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# Design & Engineering Capability

If you can't find what you need within the Marshalls Landscape Protection range, your options don't end there.

Our specialist design and engineering teams are experienced in a range of materials from natural stone and concrete to mild steel, stainless steel and timber.

Only by consistently pushing boundaries and challenging convention can we create public spaces that stand out.

Our exceptional bespoke products often start with a flash of inspiration that needs to be fully explored and carefully nurtured throughout the project.

With every element sourced, tailored or created around your project vision, our theoretical and practical understanding of urban space is unrivalled.

**We love to stretch our creativity beyond the typical. Inspired by your vision, ambition and aspiration our open-minded approach means:**

***'We will where others won't.'***



# Project Management

**To ensure projects run smoothly, Marshalls follow a structured 7 step approach led by a dedicated Project Manager from the initial programme of works through to the site inspection and project handover.**

## 01 PROJECT MANAGER ALLOCATED

A specialist project manager is allocated to the client giving a single point of contact from initial project scoping through to installation and handover.

## 02 PROVISIONAL PROGRAMME

Working alongside the client, the dedicated Project Manager will detail a provisional programme of works considering site conditions, site programme, contractual implications and health and safety.

## 03 SITE SURVEY

If a site survey is required, it will be conducted by a fully qualified member of the Marshalls team, following which the client will be provided with layout drawings for approval.

## 04 DESIGN

Following layout approval, product specification drawings will be issued and prototype products can be provided within this stage for certain bespoke projects.

## 05 FINAL REVIEW

Product design and project time-frames are confirmed in preparation for commencement of works.

## 06 INSTALLATION

Installation conducted by a specialist Marshalls Landscape Protection install team working in collaboration with the Project Manager.

## 07 PROJECT HANDOVER AND O&M

Project Manager to lead a site inspection and final evaluation with the client.





# Protective solutions for all environments

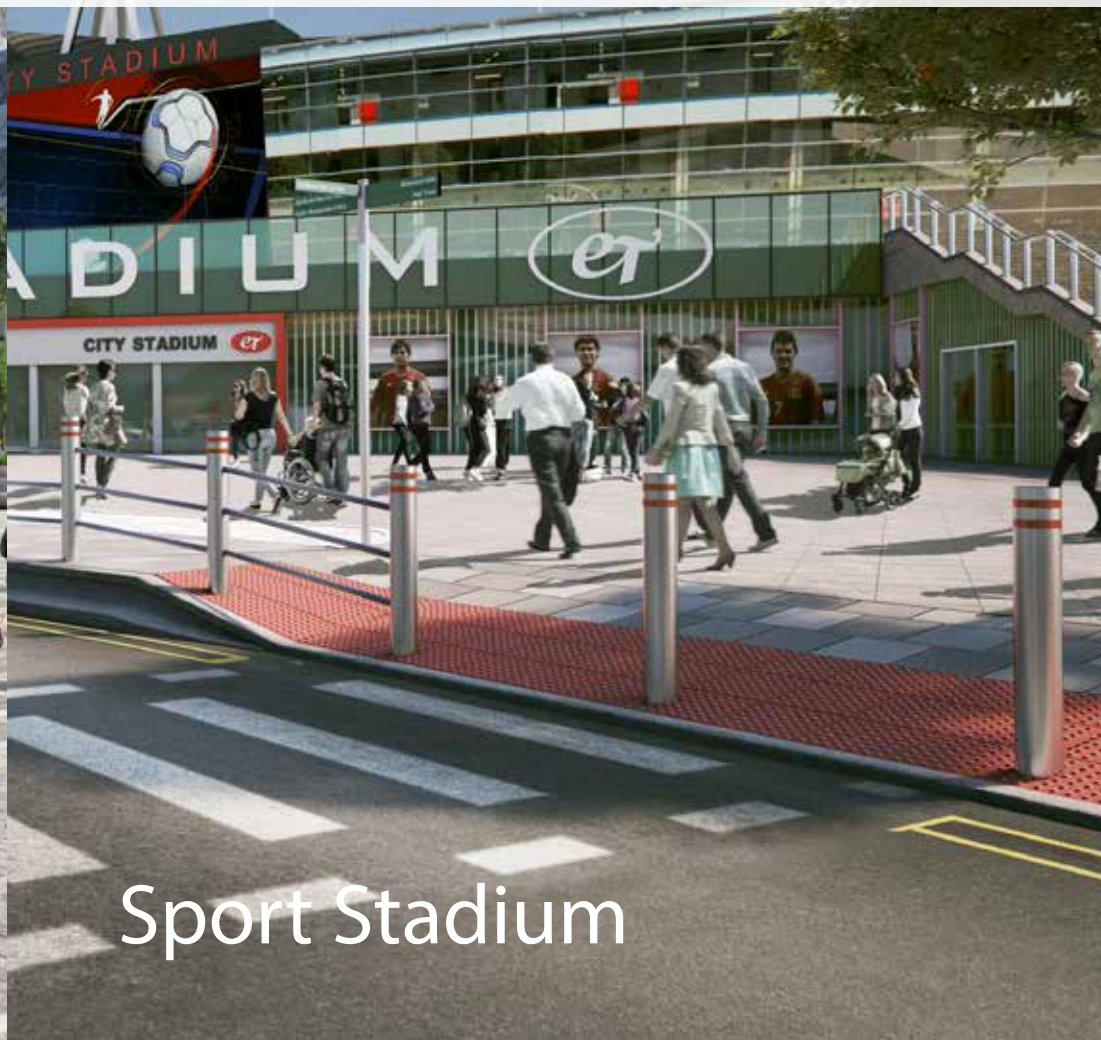
Installing protective measures to defend public spaces against vehicle-borne terror attacks or accidental collisions has traditionally been viewed as a necessary evil in areas such as city centres, stations and sporting venues. This has led to a tendency to give minimal consideration to how these measures fit with the aesthetics of the surrounding environment. Too often, the result is ugly, obtrusive installations that remind people of the threat that exists, potentially putting them off from visiting and enjoying public spaces.

Marshalls Landscape Protection has flipped this on its head.

Our mantra is to keep people safe, not scared. We design and build protective street furniture that blends in seamlessly with the landscape. Our approach enables architects, planners and designers to secure spaces without instilling fear.



Public Square



Sport Stadium



Retail Park



Airport



# DEFEND

## DEFEND

The terror threat posed to the public has evolved dramatically over the last couple of years. Large-scale, meticulously planned bomb attacks have given way to vehicle assaults that target pedestrians.

There has also been an increased risk from errant vehicles whether that is through ram-raids, accidental collisions or texting behind the wheel.

Concrete blocks and barricades - largely temporary measures - have been installed across the UK to protect areas of high footfall, such as city centres, airports and sports stadiums.

We believe that those in charge of specifying for security must assign a greater role to design aesthetics when it comes to choosing products to prevent vehicle attacks.







# Legislations Explained

## Performance and Application

At the heart of Hostile Vehicle Mitigation is the BSI Publicly Available Specifications (PAS). Each standard enables the specification of assured protection against hostile vehicles.

### PAS 68






The Publicly Available Specification, PAS 68, specifies a performance classification for vehicle security barriers and their foundations when subjected to a horizontal impact.

The standard was devised and administered by the Centre for the Protection of National Infrastructure (CPNI), and tests security barriers at varying speeds, using different size vehicles. Whilst it is only through specifying products successfully tested in accordance with PAS 68 that protective security can truly be assured, this does not necessarily mean that the highest specifications of PAS 68 protection are always required.

### PAS 69

BSI PAS 68 is complemented by the PAS 69 document, which provides guidance on the selection, installation, foundations and use of PAS 68 tested security products, taking into account site specific conditions, to ensure they are placed as effectively as possible.

PAS 69 suggests a maximum gap of 1.2m between the installed, upright faces of successive security products, to ensure that vehicles are prevented from encroaching freely between the barriers.

Vehicle Speed km/h (mph)	Vehicle Mass (kg)				
	 1.5 tonne Saloon Car (M1)	 2.5 tonne 4x4 Pickup (N1G)	 3.5 tonne Flatbed Van (N1)	 Empty 18 tonne 2 Axle Lorry (Weighs 7.5 tonnes - N3)	 30 tonne 4 Axle Lorry (N3)
16 (10)	15kJ	25kJ	35kJ	74kJ	296kJ
32 (20)	59kJ	99kJ	138kJ	296kJ	1185kJ
48 (30)	133kJ	222kJ	311kJ	667kJ	2667kJ
64 (40)	237kJ	395kJ	553kJ	1185kJ	4741kJ
80 (50)	370kJ	617kJ	864kJ	1852kJ	7407kJ
96 (60)	533kJ	889kJ	1244kJ		
112 (70)	726kJ	1210kJ			

The table above provides the kinetic energy values (in kJ) created on impact, for each of the vehicle types and speeds used in PAS 68 impact testing.

### C-VAW

C-VAW testing is a government approved approach to proving a product's resistance from a ramming vehicle attack. Various vehicles are used to see how the system will perform from other attacks including angular and driving at gaps between the products

## IWA 14.1

IWA 14.1 is an international standard for counter terrorism impact testing agreements which incorporates PAS 68, ASTM 2656, and the CEN Workshop Agreement.

Hence, no matter where you are based or where you want to create a safe and beautiful space, the IWA workshop agreement standardises all counter terrorism impact testing agreements and models and combines them into one, making the testing and specification of products easier and clearer for all specifiers.

## IWA 14.2

IWA 14.2 provides guidance for the selection, installation and use of vehicle security barriers (VSBs) and describes the process of producing operational requirements (ORs).

IWA 14.2 also gives guidance on a design method for assessing the performance of a VSB.

## PAS 170

PAS 170 delivers a testing standard for vehicles of up to 2.5 tonnes travelling at 10 or 20mph. Lower than the regulations developed to mitigate against vehicle born terror attacks.

Unlike previous anti-ram solutions, new products tested and certified by PAS 170 provides businesses and local authorities with assurance and proof of performance for the first time.



## International Standards Comparison

Over the last 15 years the Hostile Vehicle Mitigation testing standards have progressed from just one to a few being adopted around the world. The table below shows comparisons between the USA and international testing standards. For further information please contact the Marshalls Landscape Protection team.

Vehicle Speed (kph)	Vehicle Speed (mph)	Vehicle Weight in KG, IWA/USA (ASTM vehicle class)						
		1500/1100 (C)	2500/2300 (P)	3500	7200 N2	7500 N3/6800 (M)	Old USA K Rating	30000/29500 (H)
Energy in Kj								
16	10	15	25	35	71	74		296
32	20	59	99	138	284	296		1185
48	30	133	222	311	640	667/656	K4	2667/2850
64	40	237/179	395/375	553	1138	1185/1110	K8	4741/4810
80	50	370/271	617/568	864	1778	1852/1680	K12	7407/7283
96	60	533/424	889/887	1244				
112	70	726	1210					

(International /USA)



The UK IWA14.1, PAS 68 and USA ASTM2656 standards use a similar array of vehicles and speeds for testing and therefore deliver similar energy in terms of kilojoules. The following table shows the differences between the standards due to the weight of the vehicles being used that are appropriate to the locally available vehicle types. PAS 68 has developed into the current IWA14.1 and ASTM has grown from the original USA K ratings standard.

UK IWA 14.1 Classification		
Performance rating = IWA 14–1: Anon Bollard V/7200[N3C]/48/90:2.6		
Parameter	Rating	Explanation
VSB	Bollard	Product type
Test type	V	Vehicle impact test
Test vehicle mass	7 200	7 200 kg
Vehicle classification	N3C	2 axle rigid
Impact speed	48	48 km/h
Impact angle	90°	90° respectively to the impact face of the VSB
Vehicle penetration distance	2.6	the test vehicle penetrated 2.6 m beyond the VSB datum line

USA ASTM 2656 Classification		
Performance Rating = M 50 P1		
Parameter	Rating	Explanation
Vehicle Classification	M	Medium duty truck of 6800kg
Impact Speed	50	50 mph/ 80 kph
Vehicle Penetration	P1	Less than 1 metre





## Protective Bollards

### RhinoGuard® Product Options

Our RhinoGuard® range of bollards have a wide selection of sleeve options, various fixing types and foundation depths available to suit your scheme. All our cores have been tested from 1.5 tonnes to 7.5 tonnes at various speeds up to 50mph.

### CORE RATING

The RhinoGuard® range has been designed to fulfil your aesthetic and security needs.

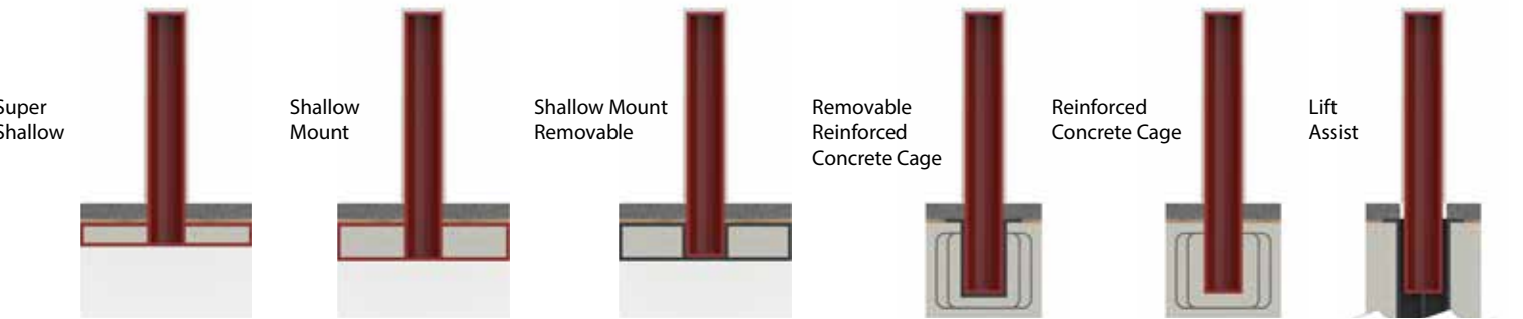
		Core Rating							
		15/30	25/40	35/30	72/40	72/50	75/30	75/40	75/50
Sleeve Options	Steel	✓	✓	✓	✓	✓	✓	✓	✓
	Stainless Steel	✓	✓	✓	✓	✓	✓	✓	✓
	Geo Stainless Steel	✓	✓	✓	✓	✓	✓	✓	✓
	LED Marker	✓	✓	✓	✓	✓	✓	✓	✓
	Decorative Sleeve	✓	✓	✓	✓	✓	✓	✓	✓
	Ferrocast®	✓	✓	✓	✓	✓	✓	✓	✓
Dimensions	Telescopic (foundation type)			✓					
	Core Diameter (mm)	114	168	204	194	244	194	168 & 244	194 & 244
	Visible Height (mm)	1000	1000	1000	1000	1000	1000	1000	1000
Security	Test Standard	PAS68	PAS68	IWA 14.1	IWA14.1	IWA 14.1	PAS68	PAS68	PAS68:2010 PAS68:2013
	Vehicle speed (mph) / weight (kg)	1500/30	2500/40	3500/30	7200/40	7200/50	7500/30	7500/40	7500/50



### RHINO GUARD® FOUNDATION TYPE

The RhinoGuard® bollard range comes with an option of foundation types, including the brand new Super Shallow which requires only 100mm depth.

(Please note not all products are available with each foundation, speak to a member of our team for more information)



		Core Rating							
		15/30	25/40	35/30	72/40	72/50	75/30	75/40	75/50
Foundation type	Super Shallow				✓				
	Shallow Mount		✓			✓	✓	✓	
	Shallow Mount Removable				✓	✓	✓	✓	
	Removable Reinforced Concrete Cage	✓	✓	✓				✓	✓
	Reinforced Concrete Cage	✓	✓	✓				✓	✓
	Lift Assist			✓					



RhinoGuard® Protective Sleeves

**STEEL SLEEVES**  
Galvanised & Powder Coated



**STAINLESS STEEL SLEEVES**  
Brushed



**GEO STAINLESS STEEL SLEEVES**  
Bead Blasted with Polished Top Cap



**LED MARKER SLEEVES**  
Stainless Steel - Brushed



Height (mm)	1000
Diameters (mm)	168, 194, 204, 273
Security rating options	Up to 75/50

Height (mm)	1000
Diameters (mm)	129, 154, 204, 256
Security rating options	Up to 75/50

Height (mm)	1000
Diameters (mm)	140, 204, 254
Security rating options	Up to 75/50

Height (mm)	1100
Diameters (mm)	140, 204, 254
Security rating options	Up to 75/50

**DECORATIVE SLEEVES**  
various materials / finishes



Dubai 254



Diamond Fade 204



Flower Burst 254



**FERROCAST® SLEEVES**  
Painted Polyurethane – Standard RAL colours available



**TELESCOPIC BOLLARD**  
various materials / finishes



Height (mm)	1000
Diameters (mm)	204, 254
Security rating options	Up to 75/50

Height (mm)	1000
Diameters (mm)	Assorted sizes
Security rating options	Up to 75/50

Height (mm)	1000
Diameters (mm)	139 PPC 154 Stainless Steel
Security rating options	35/30





# DEFEND

## Decorative sleeve options

Some of our sleeve options:

### DIAMOND FADE



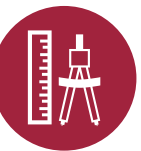
### DUBAI



### FLOWER BURST

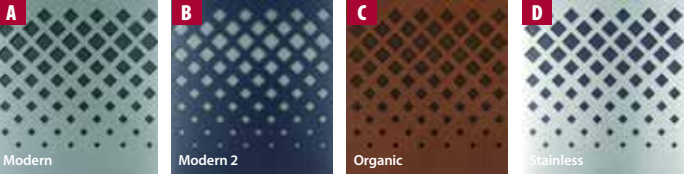


Finishes:



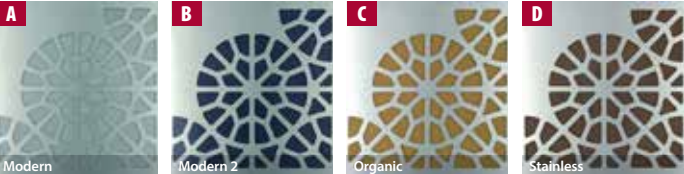
Speak to us about your custom requirements!

### DIAMOND FADE - MODERN • MODERN 2 • ORGANIC • STAINLESS



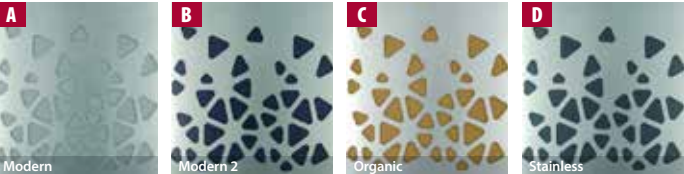
- A Diamond Fade - RAL 9007 Grey Aluminium + RAL 7016 Anthracite Grey
- B Diamond Fade - RAL 5011 Steel Blue + RAL 9007 Grey Aluminium
- C Diamond Fade - Corten (RT-8286-I) + Bronze (RT-8102-1)
- D Diamond Fade - Stainless Steel + RAL 5011 Steel Blue

### DUBAI - MODERN • MODERN 2 • ORGANIC • STAINLESS



- A Dubai - Stainless Steel + RAL 9007 Grey Aluminium
- B Dubai - Stainless Steel + RAL 5011 Steel Blue
- C Dubai - Stainless Steel + Corten Fossil Base (RT-1553)
- D Dubai - Stainless Steel + Bronze (RT-8102-1)

### FLOWER BURST - MODERN • MODERN 2 • ORGANIC • STAINLESS

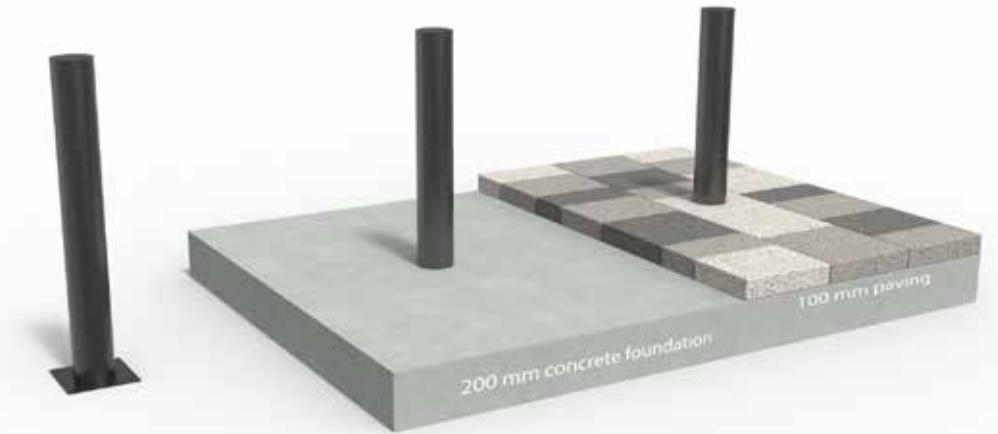


- A Flower Burst - Stainless Steel + RAL 9007 Grey Aluminium
- B Flower Burst - Stainless Steel + RAL 5011 Steel Blue
- C Flower Burst - Stainless Steel + Corten Fossil Base (RT-1553)
- D Flower Burst - Stainless Steel + RAL 7016 Anthracite Grey



# RhinoGuard® PAS170 bollards

PAS170 delivers a testing standard for vehicles up to 2.5 tonnes travelling between 10mph and 20mph. The Marshalls RhinoGuard®, successfully crash tested, PAS170 solutions provide assurance against lower speed ram-raids and impacts.



Name	Core diameter (mm)	Material	Finish	Foundation width (mm)	Height above ground (mm)	Foundation depth (mm)	Core weight (kg)
RHINO GUARD® PAS170 25/10	75	Mild Steel	Galvanised	700	800	200	45
RHINO GUARD® PAS170 25/10	75	Mild Steel	Gavanised & Powder Coated	700	800	200	45
RHINO GUARD® PAS170 25/20	139	Mild Steel	Galvanised	700	800	200	55
RHINO GUARD® PAS170 25/20	139	Mild Steel	Gavanised & Powder Coated	700	800	200	55

Mild Steel and Stainless Steel bollard sleeves are available with single or double reflective tape options.

## MILD STEEL SLEEVES

Galvanised & Powder Coated



Core Rating	25/10	Diameter (mm)	114
		Height* (mm)	1000
		Sleeve weight (kg)	15
		Overall weight (kg)	57
Core Rating	25/20	Diameter (mm)	168
		Height* (mm)	1000
		Sleeve weight (kg)	23
		Overall weight (kg)	76

\* Height on all bollards denotes the visible height above ground

## STAINLESS STEEL SLEEVES

Brushed



Core Rating	25/10	Diameter (mm)	101
		Height* (mm)	1000
		Sleeve weight (kg)	6
		Overall weight (kg)	48
Core Rating	25/20	Diameter (mm)	154
		Height* (mm)	1000
		Sleeve weight (kg)	9
		Overall weight (kg)	62

## GEO STAINLESS STEEL SLEEVES

Bead Blasted with Polished Top Cap



Core Rating	25/10	Diameter (mm)	102
		Height* (mm)	1100
		Sleeve weight (kg)	9
		Overall weight (kg)	51
Core Rating	25/20	Diameter (mm)	204
		Height* (mm)	1100
		Sleeve weight (kg)	16
		Overall weight (kg)	69

\* Height on all bollards denotes the visible height above ground

## MANCHESTER FERROCAST® SLEEVE

Painted – Standard RAL colours available



Core Rating	25/10	Diameter (mm)	225
		Height* (mm)	1100
		Sleeve weight (kg)	21
		Overall weight (kg)	63
Core Rating	25/20	Diameter (mm)	350
		Height* (mm)	1100
		Sleeve weight (kg)	47
		Overall weight (kg)	100





# DEFEND

## Temporary Protection Solutions

### Marshalls RhinoGuard® GateKeeper™

The RhinoGuard® GateKeeper™ range provides temporary protective measures for a number of applications such as Christmas markets or sporting events.

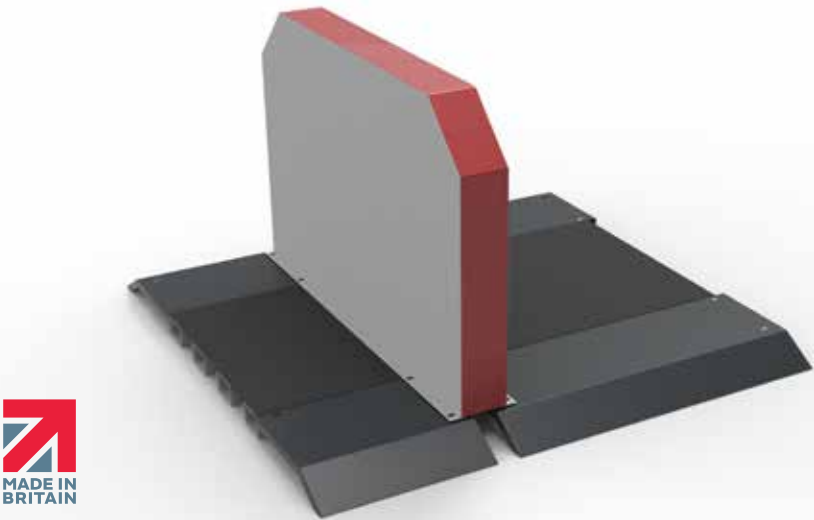
The steel variation has been successfully crash tested to IWA 14.1, providing protection against vehicles up to 2.5 tonnes travelling up to 30mph. The tested solution is pedestrian permeable, with vehicle access points and requires no anchorage in any form and can be quickly deployed across all surfaces without relying on kerbs or structural aids.

The pedestrian permeable concrete GateKeeper™ has been successfully tested to government approved C-VAW standards, which provides proven resistance from ramming vehicles. During the test, different vehicles were used to demonstrate how the GateKeeper™ system would perform under various attack angles.



### MARSHALLS RHINO GUARD® GATEKEEPER™

Steel



Material	Galvanised Steel
Colour Options	Standard RAL colours
Finish	Natural or powder coated
Shape	Rectangular
Shroud H x L x W (mm)	1000 x 1292 x 164
Shroud weight (kg)	30
Individual base unit H x L x W (mm)	90 x 1876 x 1763
Individual base unit weight (kg)	151
Test rating	25/30

### MARSHALLS RHINO GUARD® GATEKEEPER™

Concrete



Height (mm)	1000
Length (mm)	1200
Width (mm)	600
Weight (kg)	1981
Finish	Raw grey concrete
Test rating	C-VAW







## PROTECTIVE STREET FURNITURE

Protecting people, places and existing infrastructure is very important in all spaces, from traditional to commercial and urban environments. However, keeping spaces and their people safe does not have to compromise the aesthetics of the surrounding areas.

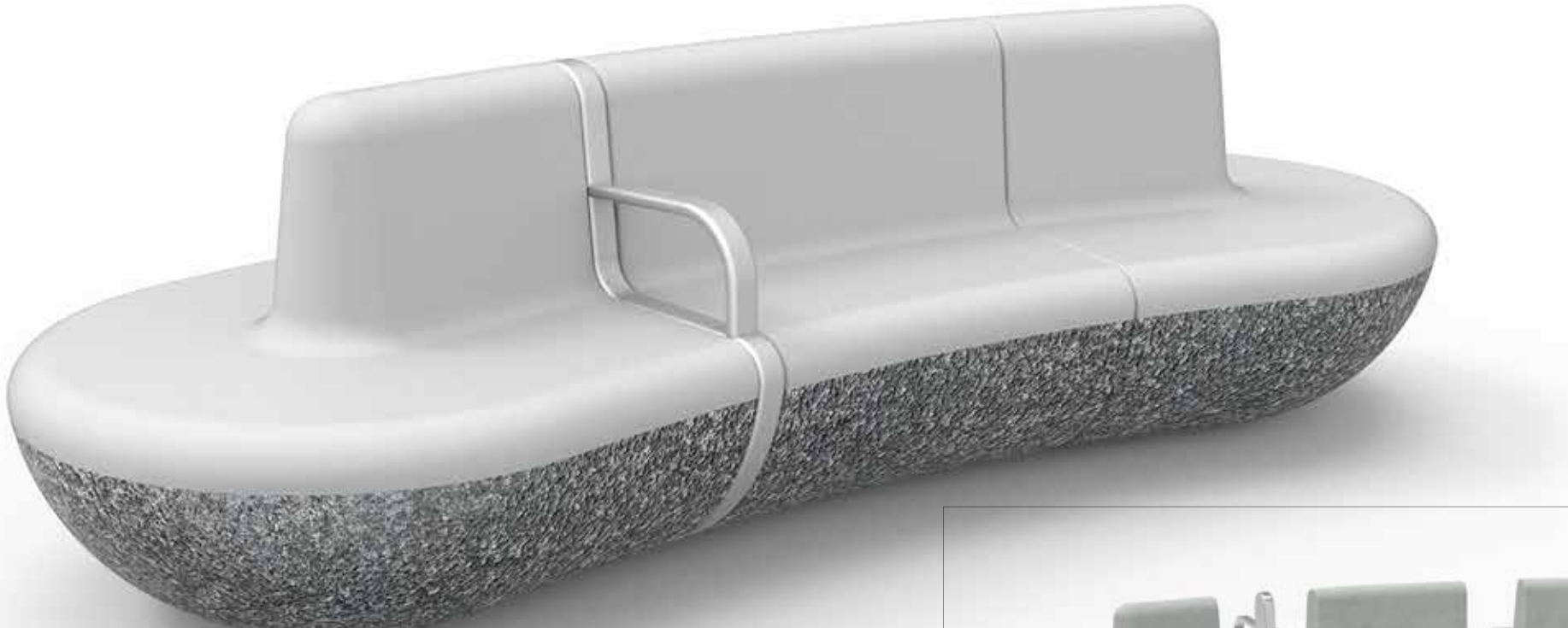
Marshalls has developed and impact tested a range of high strength, yet attractive, protective street furniture. From concrete protective seating, to seats which incorporate the highly engineered RhinoGuard® technology to protective planters, Marshalls' Protective Street Furniture has inner strength and outer beauty to keep landscapes attractive yet safe and functional.






Protective Street Furniture

RhinoGuard® Igneo 75/40 Seat



A large, modern, light grey concrete bench with a textured base and a curved backrest. It features a silver metal armrest on the left side.



Three modular components of the Igneo seat: a backrest, a seat, and a base, shown in a light green color.

Use the modular components of the Igneo seat to create custom configurations to fit your scheme



MADE IN BRITAIN

MATERIALS/COLOURS

Precast Concrete



Cream



Boulevard Black




Conservation Silver Grey




Conservation Charcoal


Armrest Powder Coat Colours




RAL 9010




RAL 7045




RAL 9006




RAL 7038




RAL 1023




RAL 6005




RAL 9005




RAL 3020



RAL 9007



RAL 5010



RAL 8014

Overall height (mm)	1159
Seat height (mm)	474
Length (mm)	3017
Width (mm)	1240
Height above ground (mm)	874

RhinoGuard® EOS 75/30 Seat



A modern bench with a wooden slatted backrest and seat, and a dark grey perforated metal base. It features a silver metal armrest on the left side.



MADE IN BRITAIN

MATERIALS/COLOURS

Ferrocast®



RAL 9010



RAL 7045



RAL 9006



RAL 7038



RAL 1023



RAL 6005



RAL 9005



RAL 3020



RAL 9007



RAL 5010



RAL 8014

Overall height (mm)	887
Seat height (mm)	460
Length (mm)	2165
Width (mm)	678

Defend

Landscape Protection

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Defend

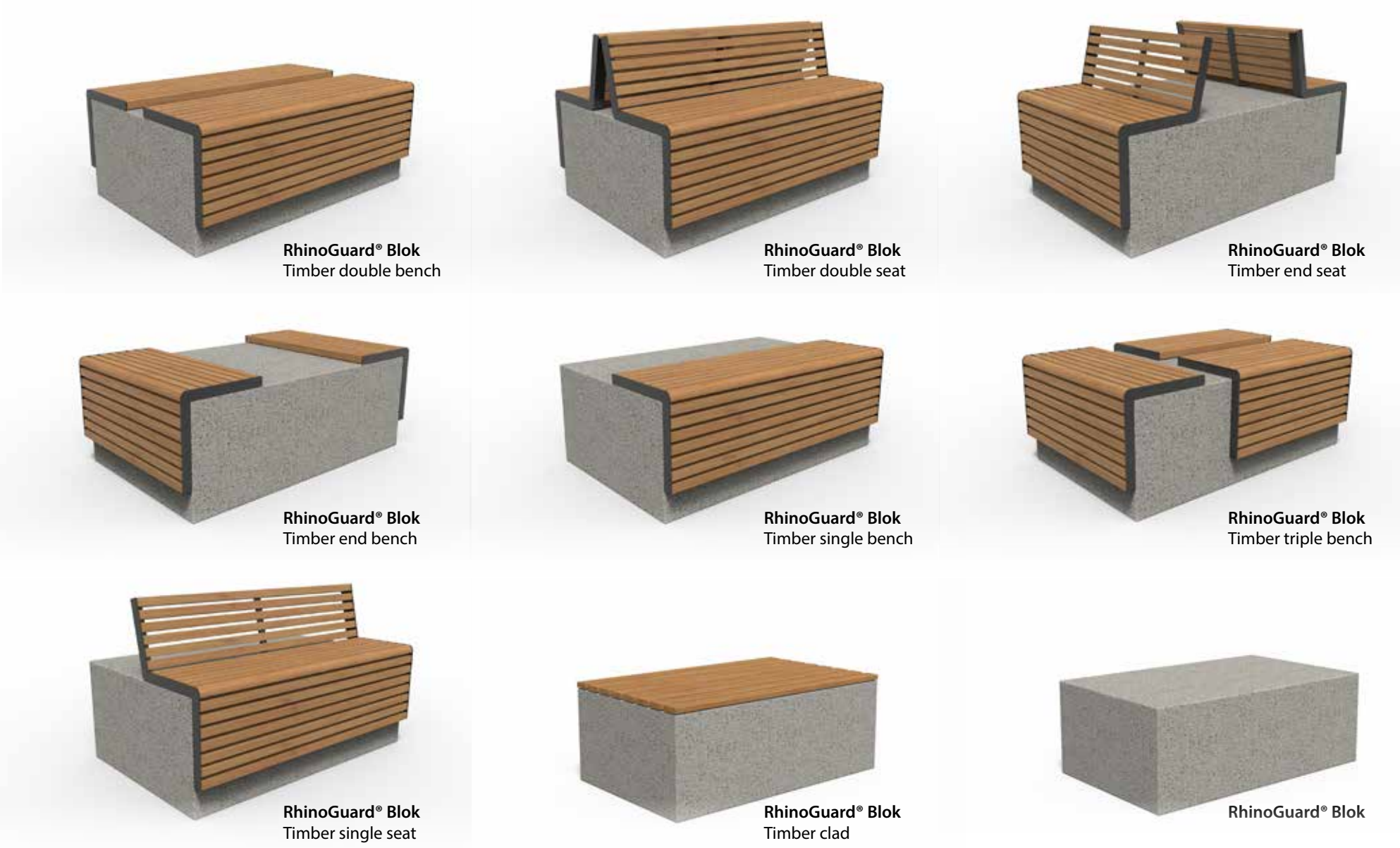
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Protective Street Furniture



RhinoGuard® 72/40 Blok

MATERIALS/COLOURS

Concrete



Silver Grey



Mid Grey

Timber



Hardwood



Softwood



RhinoGuard® Blok Silver Grey  
Timber triple seat

BLOK		TIMBER CLAD		SEAT		BENCH	
Height above ground (mm)	580	Height above ground (mm)	625	Height above ground (mm)	970	Height above ground (mm)	625
Length (mm)	1600	Length (mm)	1600	Length (mm)	1600	Length (mm)	1600
Width (mm)	1000	Width (mm)	1100	Width (mm)	1100	Width (mm)	1100
Foundations (mm)	2120 x 1520 x 200	Foundations (mm)	2120 x 1520 x 200	Foundations (mm)	2120 x 1520 x 200	Foundations (mm)	2120 x 1520 x 200
Weight (kg)	2500	Weight (kg)	100 (top) 2500 (Concrete)	Weight (kg)	130 (Top) 2500 (Concrete)	Weight (kg)	130 (Top) 2500 (Concrete)




Protective Street Furniture


RhinoGuard® Giove 75/50 Planter





MATERIALS/COLOURS


Precious Stone


- 


Rosso
- 

Blanco
- 

Giallo
- 

Veneziano
- 

Porfido
- 

Verde
- 

Nero

Height above ground (mm)	1090
Width (mm)	2000
Foundation depth (mm)	950
Root depth (mm)	300

RHINO GUARD® TIMBER PLANTER



Height above ground (mm)	1000
Width (mm)	1200
Length (mm)	1200

RHINO GUARD® STEEL PLANTER



Height above ground (mm)	1000
Width (mm)	1200
Length (mm)	1200



Protective Street Furniture

RhinoGuard® Rectangle Planter  
Concrete



Height above ground (mm)	950
Length (mm)	1800
Width (mm)	700
Security rating	up to 75/50

RHINO GUARD® SQUARE PLANTER  
Concrete



Height above ground (mm)	1000
Length (mm)	1100
Width (mm)	1100
Security rating	up to 75/50

GEO LITTER BIN  
Stainless Steel / Brushed Satin



Height above ground (mm)	1100
Foundation root depth (mm)	500
Surface finishing (mm)	100
Overall length (mm)	1700
Core diameter (mm)	1240
Sleeve diameter (mm)	204
Bin diameter (mm)	500
Security rating	up to 75/50

GEO CYCLE STAND  
Stainless Steel / Brushed Satin



Height above ground (mm)	1100
Foundation root depth (mm)	500
Surface finishing (mm)	100
Overall length (mm)	1700
Overall width (mm)	1132
Core diameter (mm)	168
Sleeve diameter (mm)	204
Security rating	up to 75/50

UNIVERSO  
Precious stone / concrete



Height above ground (mm)	850
Width x Length/ø (mm)	1900
Materials	Sandblasted precious stone concrete
Weight (kg)	2360
Security rating	Up to 72/50



Protective Street Furniture: Engineered Solutions

OLIMPO

CRISTINA

GIOVE SMALL

ORIONE

PEGASO



Height above ground (mm)	880
Width x Length/ø (mm)	2500
Materials	Precious stone or white granite
Weight (kg)	3550
Security rating	Up to 72/50

Height above ground (mm)	600
Width x Length/ø (mm)	820 x 2000
Materials	Reinforced precious stone concrete
Security rating	Up to 72/40

Height above ground (mm)	735
Width x Length/ø (mm)	1500
Materials	Marble stone or white granite
Security rating	Up to 72/40

Height above ground (mm)	816
Width x Length/ø (mm)	520
Materials	Marble stone or white granite
Weight (kg)	242
Security rating	Up to 72/40

Height above ground (mm)	912
Width x Length/ø (mm)	640
Materials	Marble stone or white granite
Weight (kg)	374
Security rating	Up to 72/40





Protective Street Furniture: Engineered Solutions

SATURNO



ESILE



CLASSICA 1220



CLASSICA 1620



Height above ground (mm)	1200
Width x Length/ø (mm)	1500
Materials	Precious stone or white granite
Weight (kg)	2393
Security rating	Up to 72/50

Height above ground (mm)	900
Width x Length/ø (mm)	667
Materials	Reinforced precious stone concrete
Weight (kg)	297
Security rating	Up to 72/40

Height above ground (mm)	650
Width x Length/ø (mm)	1220
Materials	Reinforced precious stone concrete
Weight (kg)	910
Security rating	Up to 72/40

Height above ground (mm)	650
Width x Length/ø (mm)	1620
Materials	Reinforced precious stone concrete
Weight (kg)	1468
Security rating	Up to 72/40





Automated Protective Products

AUTOMATED BOLLARDS



**MATERIALS/COLOURS**

Materials

Stainless Steel

RAL colours

RAL 9010

RAL 9006

RAL 9007

RAL 9045

RAL 9005

RAL 6005

RAL 3020

RAL 1023

RAL 5010

AUTOMATED BLOCKERS





AUTOMATED GATES



Height (mm)	Max 100
Base diameter (mm)	Max 350
Std fixing type	Root fixed
Security rating	75/30, 75/40, 75/50

Options



Reflective Banding Options      LED Lighting Options

Height (mm)	Max 1100
Width (mm)	Max 4000
Std fixing type	Root fixed
Security rating	75/30, 75/40, 75/50

Height (mm)	2400
Width (mm)	4200
Std fixing type	Root fixed
Security rating	75/40, 75/50

\* Heights and widths vary dependent on rating options. Other options available, please speak to a member of our team about your automated product requirements.

RhinoGuard® Titan® Kerb

The RhinoGuard® Titan® Kerb has been crash tested to IWA14.1 at a shallow angle and successfully deflects a vehicle traveling up to 80kph. The Titan® Kerb is ideal for applications that require a product that does not affect the overall aesthetic of an area.



	External Radius										Internal Radius				
Height (mm)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
Face Length (mm)	965/975	955/975	945/975	935/975	797/841	734/785	807/884	317/394	217/294	975/955	975/935	836/785	961/884	589/666	
Width (mm)	390	390	390	390	390	390	390	390	390	390	390	390	390	390	390
Radius Covered (m)	76/25	25/15	15/11	11/8.5	7.5	6.0	4.5	2.0	1.5	76/25	76/25	76/25	76/25	76/25	76/25
No per 1/4 circle	122-40	40-24	24-18	18-14	14	12	8	8	8	122-40	122-40	122-40	122-40	122-40	122-40
Weight (kg)	233	232	230	229	207	194	221	104	80	232	229	182	198	132	



# DEFEND

## Post & Rail

Marshalls Landscape Protection offers a range of protective post and rail systems which are available in a range of styles and materials. Speak to our experts for more information.

		Core Rating							
		15/30	25/40	35/30	72/40	72/50	75/30	75/40	75/50
Product	Stainless Steel	✓	✓	✓	✓	✓	✓	✓	✓
	Mild Steel	✓	✓	✓	✓	✓	✓	✓	✓
	Geo	✓	✓	✓	✓	✓	✓	✓	✓
	DecorGuard	✓	✓	✓	✓	✓	✓	✓	✓
Security rating		PAS68	PAS68	IWA14.1	IWA14.1	IWA14.1	PAS68	PAS68	PAS68
Vehicle weight/speed (kg/mph)		1500/30	2500/40	3500/30	7200/40	7200/50	7500/30	7500/40	7500/50



### STAINLESS STEEL



### MILD STEEL



### GEO



### DECORGUARD



Height (mm)	1000
Base diameter	various based on rating requirements
Standard Fixing	Root Fixed
Security rating	Upto 75/50

\* other size sleeves also available.

Height (mm)	1000
Base diameter	various based on rating requirements
Standard Fixing	Root Fixed
Security rating	Upto 75/50

Height (mm)	1000
Base diameter	various based on rating requirements
Standard Fixing	Root Fixed
Security rating	Upto 75/50

Height (mm)	1040
Base diameter	various based on rating requirements
Standard Fixing	Root Fixed
Security rating	Upto 75/50



# DEFEND

## Redi-Rock™ Modular Wall

Redi-Rock™ hostile vehicle mitigation walling (Vehicle Security Barriers- VSB) is proven to stop a 7.5 tonne truck at 48km/h (30mph) and is an effective, re-usable solution to hostile vehicle attack that requires minimal maintenance.

The force protection system of Redi-Rock™ blocks are interconnected with steel cables and have been successfully tested by the Transport Research Laboratory (TRL) using the BSi specification PAS 68:2007 and achieved a classification of V/7500(N2)/48/90:1.6/0.0.

With no ground anchors required, the fast-to-install freestanding blocks can be deployed, picked up and moved with no ground work required; this makes it ideal for use in crowded places, transport hubs, utility and critical infrastructure as well as buildings of high importance.

Due to its natural stone appearance Redi-Rock™ blends into the background and protects without looking out of place.

### Benefits of Redi-Rock™

- Fast to install
- Removable/relocatable
- No ground anchors required as it uses its own weight
- Integral cable dissipates kinetic energy
- Aesthetically pleasing, blends into surrounding
- Can create a safe working area for everyone, including your workforce
- Provides security against hostile and accidental vehicle attack
- Helps to direct traffic from problematic areas



Height (mm)	Variable
Std fixing type	Freestanding
Colour options	Limestone Cobblestone Ledgestone
Security rating	75/30

SECURITY RATING  
**PAS 68:**

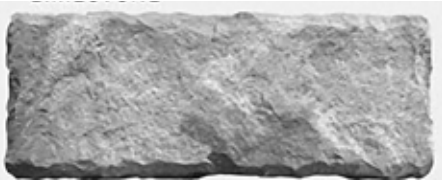
.....  
**2007 V/7500(N2)/48/90:1.6/0.0**  
.....

### DESIGN OPTIONS

#### FINISH / COLOUR

Available in the following finishes:

Limestone



Cobblestone



Ledgestone



The Redi-Rock™ system is also available as a standard walling system for the retention of earth, landscaping and flood protection applications. For more information on this system please contact a member of the team.





## DEFLECT

Marshalls' Landscape Protection bollards provide an assurance of protection in any space. Marshalls provides a range products that provide safety and restriction to public spaces without compromising the aesthetics of the landscape.

Our bollards provide the opportunity to offer direct security to any space. Available in a wide choice of styles and material options, our bollard range offers customers an almost unrivalled choice that will suit almost any application. Combine and coordinate with our wide range of Street Furniture to add character to any space.

Our bollard ranges are available in crash tested and non-crash tested versions depending on the level of security and protection required.





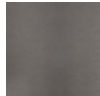
# Stainless Steel Bollards

Marshalls' Landscape Protection stainless steel bollards are exceptionally strong and require little maintenance. They are suitable for a variety of applications, such as providing protected parking as well as safety for pedestrian walkways.

## DESIGN OPTIONS

### FINISH / COLOUR

All stainless steel bollards are supplied with a brushed satin finish as standard, with the exception of RS007 which has a polished finish.



Brushed Satin



Polished - RS007 Bollard Only

### BESPOKE BRANDING

Rhino bollards are also available with the option of bespoke branding machine engraved into the top, giving you the option to fully customise your scheme with a logo or crest. Branding can be supplied unpainted or full colour.



### REFLECTIVE BANDING OPTIONS



Single Band



Double Band

### Reflective Banding

Rhino bollards are available with reflective banding for increased visibility and safety. Banding is available in a choice of 3 standard colours – amber, red and white.

### BEZEL



All stainless steel bollards are available with a brushed satin bezel for use in applications where bollards are installed into existing paving, ensuring that any gaps around the bollard base are hidden from view.

### FIXING TYPES & FOUNDATION DEPTHS:

#### Root Fixed



#### Removable



#### Surface Mount



#### Sub Surface Mount

(GEO only)





Stainless Steel Bollards

RS001



Height (mm)	1000
Diameters (mm)	101, 114, 129, 154
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

RS002



Height (mm)	1000
Diameters (mm)	114
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

RS004



Height (mm)	1000
Diameters (mm)	101, 114, 129, 154
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

RS005



Height (mm)	1000
Diameters (mm)	114
Std fixing type	Root fixed
Optional fixing types	Removable

RS007



Height (mm)	1000
Diameters (mm)	101, 114, 129, 154
Std fixing type	Root fixed
Optional fixing types	n/a

RS150



Height (mm)	1000
Diameters (mm)	101, 114, 129, 154
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

M3 FLAT



Height (mm)	900
Diameters (mm)	89, 114, 168
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

M3 MITRE




Height (mm)	900
Diameters (mm)	89, 114, 168
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable



## Mild Steel Bollards

Marshalls' range of Rhino steel bollards provides strong, simple and cost effective security measures ideal for access control, ram raiding deterrence and creation of pedestrian walkways. Each Rhino steel bollard has a number of options to enable you to customise products to suit your scheme.

### DESIGN OPTIONS

FINISH / COLOUR			
RAL colour			
			
Jet Black RAL 9005	Pure White RAL 9010	White Aluminium RAL 9006	Grey Aluminium RAL 9007
			
Telegrey RAL 7045	Gentian Blue RAL 5010	Moss Green RAL 6005	Traffic Yellow RAL 1023
			
Traffic Red RAL 3020	Dark Grey RAL 7035	Blue RAL 5002	Mouse Grey RAL 7005

### BESPOKE BRANDING

Rhino bollards are also available with the option of bespoke branding machine engraved into the top, giving you the option to fully customise your scheme with a logo or crest. Branding can be supplied unpainted or full colour.



### FIXING TYPES & FOUNDATION DEPTHS:

Root Fixed



Removable



Surface Mount





# DEFLECT

## Mild Steel Bollards

LOCI



Height (mm)	1100
Width x depth (mm)	140 x 80
Std fixing type	Root fixed
Optional fixing types	Surface fixed

NATURAL ELEMENTS



Height (mm)	1000
Width x depth (mm)	140 x 90
Std fixing type	Base plated
Options	LED panel illumination

RB101



Height (mm)	1000
Diameters (mm)	114, 139, 168, 194
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

RB150



Height (mm)	1000
Diameters (mm)	114, 139, 168, 194
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

RB119



Height (mm)	1000
Diameters (mm)	114, 139, 168, 194
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

SERVICE YARD



Height (mm)	1500, 1800, 2100
Diameters (mm)	139, 168, 194
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

RB109



Height (mm)	1000
Diameters (mm)	114, 139, 168, 194
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable





Mild Steel Bollards

RB111



RB105



LEEDS



RB123



Height (mm)	1000
Diameters (mm)	114, 139, 168, 194
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

Height (mm)	1000
Diameters (mm)	114, 139, 168, 194
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

Height (mm)	1000
Diameters (mm)	140
Std fixing type	Root fixed
Optional fixing types	Removable

Height (mm)	1000
Diameters (mm)	114, 139, 168, 194
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable






## Ferrocast® Bollards

Ferrocast® bollards are an ideal way to increase security around your perimeter. Suitable for use in almost any situation and available in a number of styles to coordinate with most landscapes, whether traditional or contemporary.

### DESIGN OPTIONS

FINISH / COLOUR			
RAL colour			
			
Jet Black RAL 9005	Pure White RAL 9010	White Aluminium RAL 9006	Grey Aluminium RAL 9007
			
Telegrey RAL 7045	Gentian Blue RAL 5010	Moss Green RAL 6005	Traffic Yellow RAL 1023
			
Traffic Red RAL 3020	Dark Grey RAL 7035	Blue RAL 5002	Mouse Grey RAL 7005

### BANDING OPTIONS

- ☒ Reflective Tape
- ☒ Ballotini Reflective Beads
- ☒ Hand Painted Gold

### BESPOKE BRANDING

Rhino bollards are also available with the option of bespoke branding, giving you the option to fully customise your scheme with a logo or crest. Branding can be supplied unpainted or in full colour.



### SIGNAGE



### FIXING TYPES & FOUNDATION DEPTHS:

Root Fixed



Removable





Ferrocast® Bollards

MANCHESTER



Height (mm)	1000
Base diameter (mm)	225
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

BRISTOL



Height (mm)	895
Base diameter (mm)	160
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

HACKNEY



Height (mm)	970
Base diameter (mm)	155
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

SLOUGH



Height (mm)	900
Base diameter (mm)	150
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

HEXHAM



Height (mm)	917
Base diameter (mm)	175
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

EAST SUSSEX



Height (mm)	915
Base diameter (mm)	168
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

NEWCASTLE



Height (mm)	1000
Base diameter (mm)	168
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

MORPETH



Height (mm)	1000, 900
Base diameter (mm)	125
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable



Ferrocast® Bollards

CITY



Height (mm)	950
Base diameter (mm)	145
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

CHELTENHAM



Height (mm)	1127
Base diameter (mm)	165
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

CORNWALL



Height (mm)	1098
Base diameter (mm)	124
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

SUNDERLAND



Height (mm)	896
Base diameter (mm)	157
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

BARNSTABLE



Height (mm)	983
Base diameter (mm)	130
Std fixing type	Root fixed
Optional fixing types	Surface mounted Removable

WATERSIDE



Height (mm)	1000
Base diameter (mm)	175
Std fixing type	Root fixed
Optional fixing types	Removable

DEANSGATE



Height (mm)	1140
Base diameter (mm)	115
Std fixing type	Root fixed
Optional fixing types	Removable

DIXON ANTI-RAM



Height (mm)	1000
Base diameter (mm)	155
Std fixing type	Root fixed



Ferrocast® Bollards

BELINDA



BILLY



PIPENCIL



GIANT PENCIL



Height (mm)	1000
Base diameter (mm)	220
Std fixing type	Root fixed
Optional fixing types	n/a

Height (mm)	1000
Base diameter (mm)	220
Std fixing type	Root fixed
Optional fixing types	n/a

Height (mm)	1000
Base diameter (mm)	110
Std fixing type	Root fixed
Optional fixing types	Removable

Height (mm)	3000
Base diameter (mm)	173
Std fixing type	Root fixed





## Concrete Bollards

Our comprehensive range of concrete bollards contains numerous designs and finishes, encompassing the purely utilitarian and those with contemporary styling, providing choices for a range of different environments.

### DESIGN OPTIONS

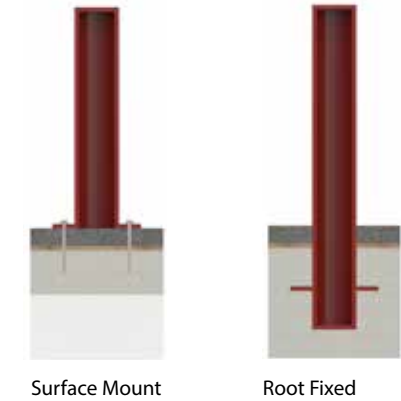
#### FINISH / COLOUR



#### REFLECTIVE BANDING OPTIONS



#### FIXING TYPES & FOUNDATION DEPTHS:





Concrete Bollards

BRIDGFORD



RICHMOND



SPHERICAL 500



SPHERICAL 700



CUBE



BOULEVARD 500



BOULEVARD 700



WEXHAM



Height (mm)	915
Base diameter (mm)	270
Std fixing type	Root fixed
Optional fixing types	n/a

Height (mm)	535
Base diameter (mm)	305
Std fixing type	Root fixed
Optional fixing types	n/a

Height (mm)	500
Base diameter (mm)	500
Std fixing type	Root fixed
Optional fixing types	Flush or plinth base

Height (mm)	700
Base diameter (mm)	700
Std fixing type	Root fixed
Optional fixing types	Flush or plinth base

Height (mm)	600
Base (mm)	660 x 660
Std fixing type	Root fixed
Optional fixing types	n/a

Height (mm)	495
Base diameter (mm)	260
Std fixing type	Root fixed
Optional fixing types	n/a

Height (mm)	730
Base diameter (mm)	280
Std fixing type	Root fixed
Optional fixing types	n/a

Height (mm)	760
Base diameter (mm)	230
Std fixing type	Root fixed
Optional fixing types	n/a

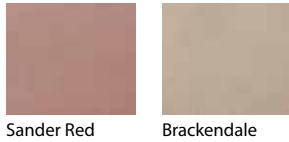


# Natural Stone Bollards

Marshalls' natural stone bollards are functional and create clean and simple solutions for any urban space. The range uses high quality granite, one of the hardest stones which can be used to create bollards that are strong, durable and enduring.

DESIGN OPTIONS

FINISH / COLOUR



FIXING TYPES & FOUNDATION DEPTHS:

Root Fixed



STONE 500 SPHERE



Height above ground (mm)	579
Base width (mm)	300
Std fixing type	Surface mounted
Options	Available in Silver Grey, Black or Mid Grey Polished or Fine Picked finish

STONE 700 SPHERE



Height above ground (mm)	822
Base width (mm)	400
Std fixing type	Surface mounted
Options	Available in Silver Grey, Black or Mid Grey Polished or Fine Picked finish

SIMPLE 150 MONOLITH



Height above ground (mm)	1000
Foundation depth (mm)	300
Std fixing type	Root fixed
Options	Available in Silver Grey, Black or Mid Grey Polished or Fine Picked finish

STONE 550 CUBE



Height above ground (mm)	550
Foundation depth (mm)	40
Std fixing type	Root fixed
Options	Available in Silver Grey, Black or Mid Grey Polished or Fine Picked finish



# Cast Iron Bollards

Marshalls offer a range of traditional and contemporary cast iron bollards to help protect the landscape.

DESIGN OPTIONS

FINISH / COLOUR

Wet painted RAL 9005 as standard



Jet Black  
RAL 9005

Speak to us about other colour options

FIXING TYPES & FOUNDATION DEPTHS:

Root Fixed



Removable



IMPERIAL MSF 123



Height above ground (mm)	765
Base diameter (mm)	160
Std fixing type	Root fixed Removable

IMPERIAL MSF 114



Height above ground (mm)	1000
Base diameter (mm)	200
Std fixing type	Root fixed Removable

IMPERIAL MSF 102



Height above ground (mm)	1000
Base diameter (mm)	200
Std fixing type	Root fixed Removable

IMPERIAL MSF 108



Height above ground (mm)	1100
Base diameter (mm)	200
Std fixing type	Root fixed Removable

IMPERIAL MSF 128



Height above ground (mm)	960
Base diameter (mm)	135
Std fixing type	Root fixed Removable

IMPERIAL MSF 120



Height above ground (mm)	1025
Base diameter (mm)	150
Std fixing type	Root fixed Removable



Cast Iron Bollards

ANTONY GORMLEY No1



Height above ground (mm)	1000
Base diameter (mm)	240
Std fixing type	Root fixed

ANTONY GORMLEY No2



Height above ground (mm)	1000
Base diameter (mm)	330
Std fixing type	Root fixed

ANTONY GORMLEY No3



Height above ground (mm)	1000
Base diameter (mm)	345
Std fixing type	Root fixed

ANTONY GORMLEY No4



Height above ground (mm)	1000
Base diameter (mm)	400
Std fixing type	Root fixed





# Timber Bollards

Bring natural materials into an urban environment with the use of Marshalls timber bollards. With a choice of styles and timber types the bollards are suited to a range of different applications and budget requirements.

DESIGN OPTIONS

FINISH / COLOUR



Natural Finish

FIXING TYPES & FOUNDATION DEPTHS:

Root Fixed



REFLECTIVE BANDING OPTIONS



Single band

## OLLERTON - TIMBER SQUARE CHAMFERED TOP



Height above ground (mm)	1000
Base diameter (mm)	125
Std fixing type	Root fixed

## OLLERTON - TIMBER ROUND CIRCULAR TOP



Height above ground (mm)	1000
Base diameter (mm)	150
Std fixing type	Root fixed

\* both also available in 125, 150, 200 and 250 diameter





# Plastic Bollards

Marshalls’ range of plastic bollards are an ideal solution for use in multiple locations. Plastic bollards are low maintenance, durable and long lasting.

DESIGN OPTIONS

FINISH / COLOUR



Standard Black

FIXING TYPES & FOUNDATION DEPTHS:

Root Fixed



Surface Mount



## SUPERMARKET BOLLARD



Height above ground (mm)	1000
Base diameter (mm)	125
Std fixing type	Root fixed
Optional fixing types	Surface mount, Removable, Anti-ram

## HERITAGE 150



Height above ground (mm)	1024
Base diameter (mm)	171
Std fixing type	Root fixed
Optional fixing types	Surface mount, Removable

## SENTINEL 150



Height above ground (mm)	1024
Base diameter (mm)	166
Std fixing type	Root fixed
Optional fixing types	Surface mount, Removable

## SENTINEL 150 VISIBOL



Height above ground (mm)	1024
Base diameter (mm)	166
Std fixing type	Root fixed
Optional fixing types	Surface mount, Removable

## SENTINEL DECORATIVE



Height above ground (mm)	926
Base diameter (mm)	166
Std fixing type	Root fixed
Optional fixing types	Surface mount, Removable





# Telescopic Bollards

Rhino Telescopic Bollards provide a secure, simple and cost effective access control method of protecting premises and vehicles for domestic and commercial applications. Fully retractable, the bollards can be lifted out of the ground in seconds and lowered just as easily.

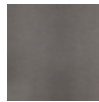
DESIGN OPTIONS

FINISH / COLOUR

Galvanised



Galvanised Steel



Stainless Steel

RAL colour



Jet Black  
RAL 9005



Pure White  
RAL 9010



White  
Aluminium  
RAL 9006



Grey  
Aluminium  
RAL 9007



Telegrey  
RAL 9045



Gentian  
Blue RAL  
5010



Moss Green  
RAL 6005



Traffic  
Yellow RAL  
1023



Traffic Red  
RAL 3020

REFLECTIVE BANDING OPTIONS



Single Band



Double Band

Reflective Banding

Rhino bollards are available with reflective banding for increased visibility and safety. Banding is available in a choice of 3 standard colours – amber, red and white.

FIXING TYPES & FOUNDATION DEPTHS:

Telescopic



## RT R14 STAINLESS STEEL



Height (mm)	850 or 670
Diameter (mm)	114
Std fixing type	Telescopic

## RHINO RD4 SS



Height (mm)	500
Diameter (mm)	76
Std fixing type	Telescopic

## RHINO RT RD4



Height (mm)	500
Diameter (mm)	76
Std fixing type	Telescopic

## RHINO RT KEY OP FOLD DOWN



Height (mm)	650
Diameter (mm)	60
Std fixing type	Surface mount

## RHINO RT SS



Height (mm)	710
Diameter (mm)	101
Std fixing type	Telescopic







Height (mm)	670
Base diameter (mm)	90
Std fixing type	Telescopic

Height (mm)	670
Base diameter (mm)	90
Std fixing type	Telescopic

Height (mm)	670
Base diameter (mm)	114
Std fixing type	Telescopic

Height (mm)	850
Base diameter (mm)	114
Std fixing type	Telescopic

Height (mm)	730
Base diameter (mm)	135
Std fixing type	Telescopic





# DETER

## DETER

Marshalls' Landscape Protection products offer the perfect solution for a large range of environments where a deterrent solution is required. The product range offers a number of flexible solutions that are suitable for a wide range of applications.

The deter product range consists of Street Furniture, either as individual pieces or ranges, post & rail systems or traffic calming measures.

Our ranges offer flexible solutions to suit any style of project and scheme.

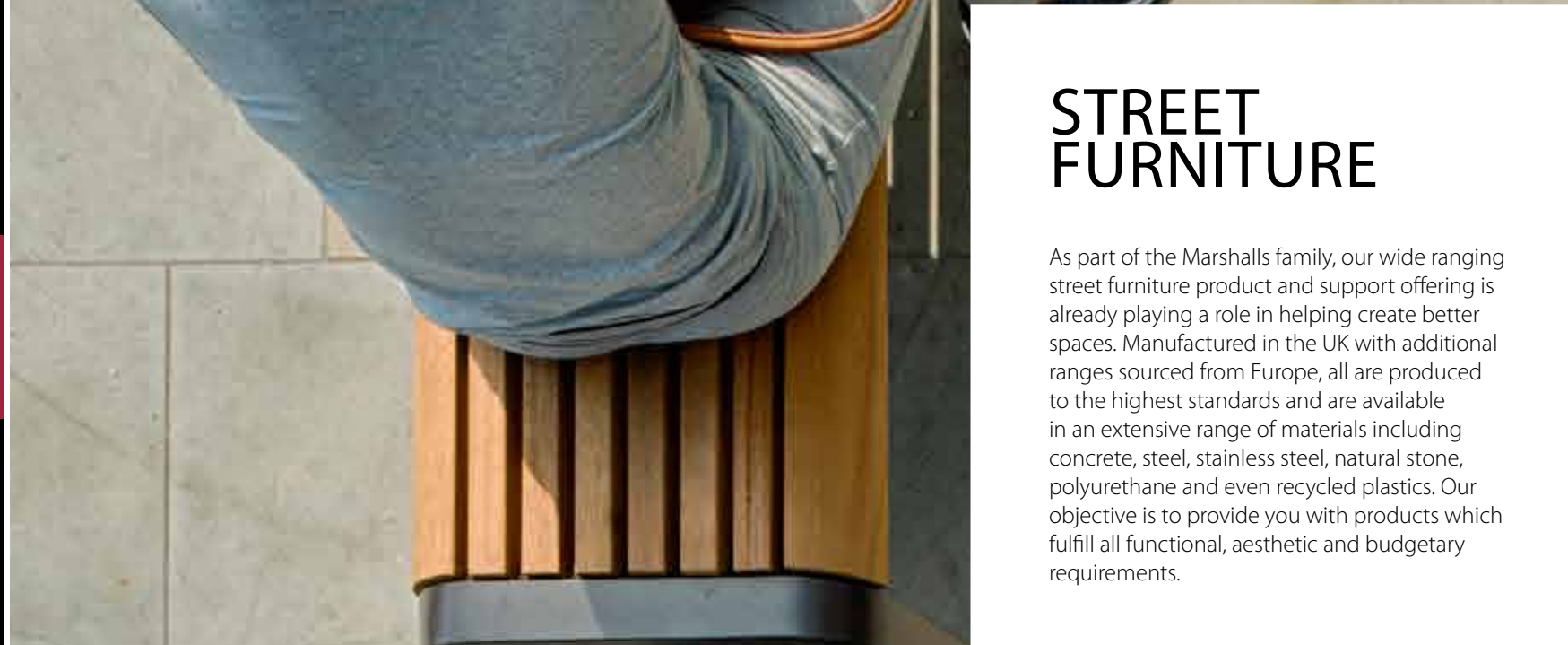






## STREET FURNITURE

As part of the Marshalls family, our wide ranging street furniture product and support offering is already playing a role in helping create better spaces. Manufactured in the UK with additional ranges sourced from Europe, all are produced to the highest standards and are available in an extensive range of materials including concrete, steel, stainless steel, natural stone, polyurethane and even recycled plastics. Our objective is to provide you with products which fulfill all functional, aesthetic and budgetary requirements.







## NATURAL ELEMENTS

The Natural Elements Collection, inspired by biophilic design, is a modular based Landscape Furniture range that aims to introduce natural materials into urban spaces where people can sit and wellbeing is improved.

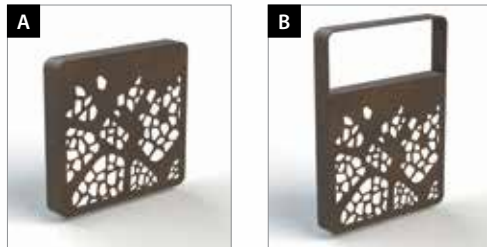




# Personalised configurations are available with playful modules

## STEP 1 Start with end panel

Select an end panel with or without arms.  
Option to illuminate panel.

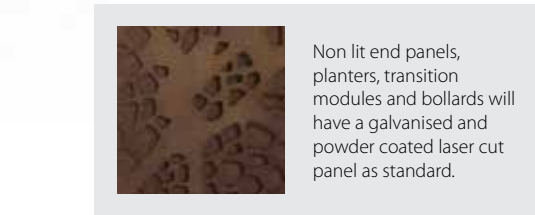


**A. END PANEL**  
L - 500 mm, H - 470 mm, W - 75 mm

**B. END PANEL WITH ARMREST**  
L - 500 mm, H - 670 mm, W - 75 mm

## STEP 2 Select your core modules

Modules can be configured in any sequence.  
Option to add low level lighting along the length of core modules.



Non lit end panels, planters, transition modules and bollards will have a galvanised and powder coated laser cut panel as standard.

## STEP 3 Select an armrest

Choose armrest option between units if required.



**C. ARMREST**  
L - 500 mm, H - 700 mm, W - 70 mm

## STEP 4 Select transition modules to change direction

Choice of modules to go around corners at 45° or 60° angles.  
Further core components can be added as required. Repeat step 2 if creating longer configurations.

## STEP 5 Finish with end panel

Please see step 1

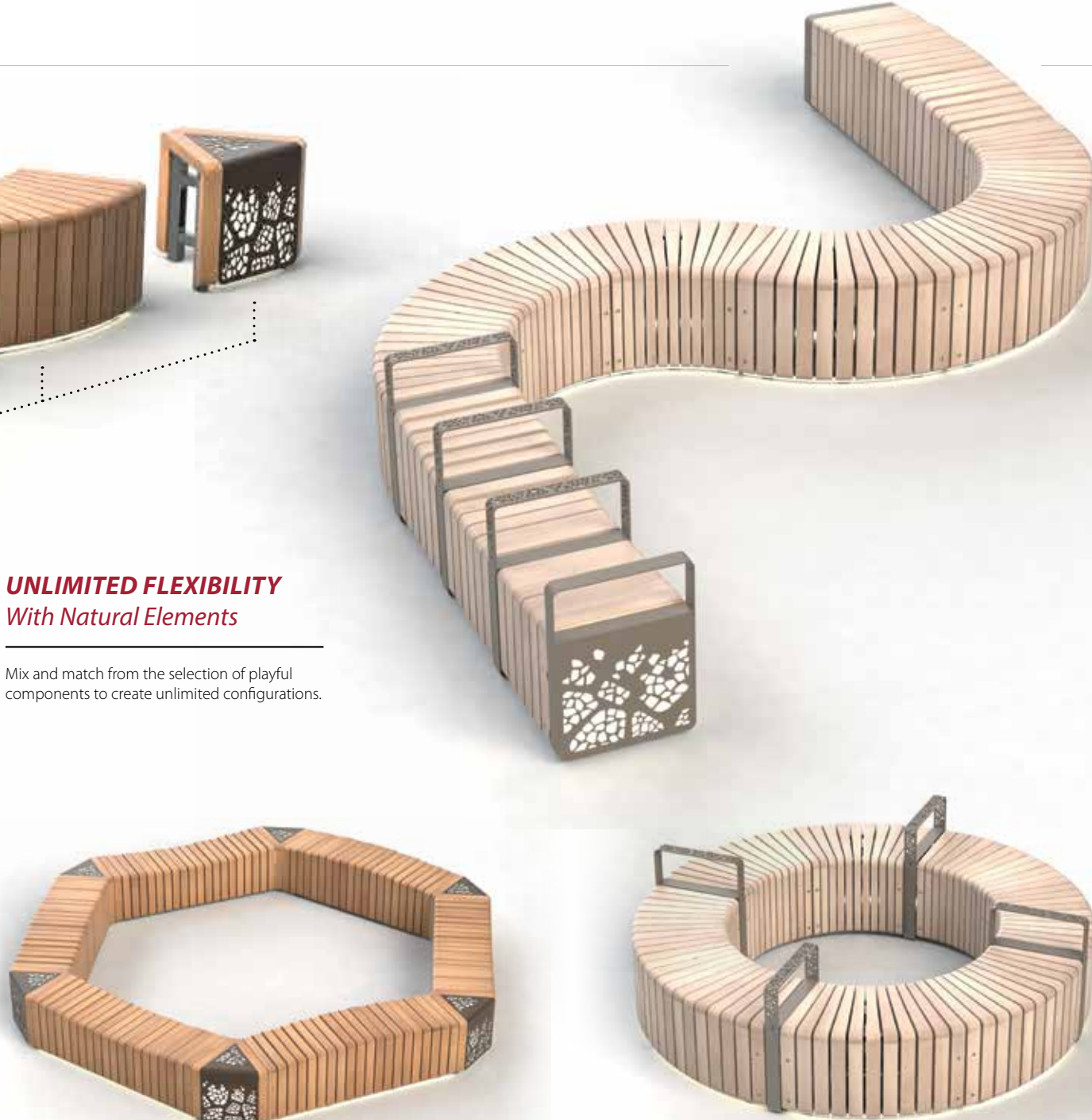
## STEP 6 Ancillary elements

Ancillary elements such as a litter bin, bollard or cycle stand are also available to maintain the design language.

Standalone seat and bench also available.

## UNLIMITED FLEXIBILITY With Natural Elements

Mix and match from the selection of playful components to create unlimited configurations.





# System components: Create your seating solution using the components below



- 1. SEAT MODULE**  
L - 1640 mm, H - 899 mm, W - 500 mm

**2. CONCAVE BENCH MODULE**  
L - 1640 mm, H - 450 - 500 mm, W - 500mm

**3. 45° RADIUS CORNER**  
L - 881 mm, H - 500 mm, W - 500 mm

**4. CONVEX BENCH MODULE**  
L - 1640 mm, H - 500 - 550 mm, W - 500 mm
- 5. PLANTER MODULE**  
L - 1200 mm, H - 500 mm, W - 500 mm

**6. 60° RADIUS CORNER**  
L - 570 mm, H - 500 mm, W - 468 mm

**7. CYCLE STAND**  
L - 70 mm, H - 700 mm, W - 500 mm

**8. BOLLARD**  
L - 140 mm, H - 1000 mm, W - 90 mm
- 9. SEAT WITH ARMS**  
L - 1790 mm, H - 899 mm, W - 500 mm

**10. RECYCLE BIN**  
L - 600 mm, H - 1040 mm, W - 480 mm

**11. PLANTER**  
L - 1350 mm, H - 500 mm, W - 500 mm

**12. CONCAVE BENCH**  
L - 1790 mm, H - 450 - 500 mm, W - 500 mm



## Natural Elements Collection

The form and design style of the modular range resembles patterns found in the natural environment and the FSC®-certified timber is responsibly sourced from well managed sources. The steel elements that help combine the modules are laser cut with a signature cell-like pattern to create a striking effect.

The range elements are clad with FSC®-certified redwood timber, available in a choice of two water based woodstains. Steel feature panels are finished in a choice of two patented powder coating systems giving the appearance of an aged material.

The collection also incorporates decorative integrated lighting to enhance the aesthetics of a scheme.

These are either available as side LED light panels or low level lighting incorporated into the base of the modules.

Look for our FSC®-certified products

MATERIALS/COLOURS	
FSC®-Certified Redwood	Steel - Powder Coated
 Rustic Brown	 Corten Fossil
 Grey Mist	 Pebble Shore





## AFFINITÉ

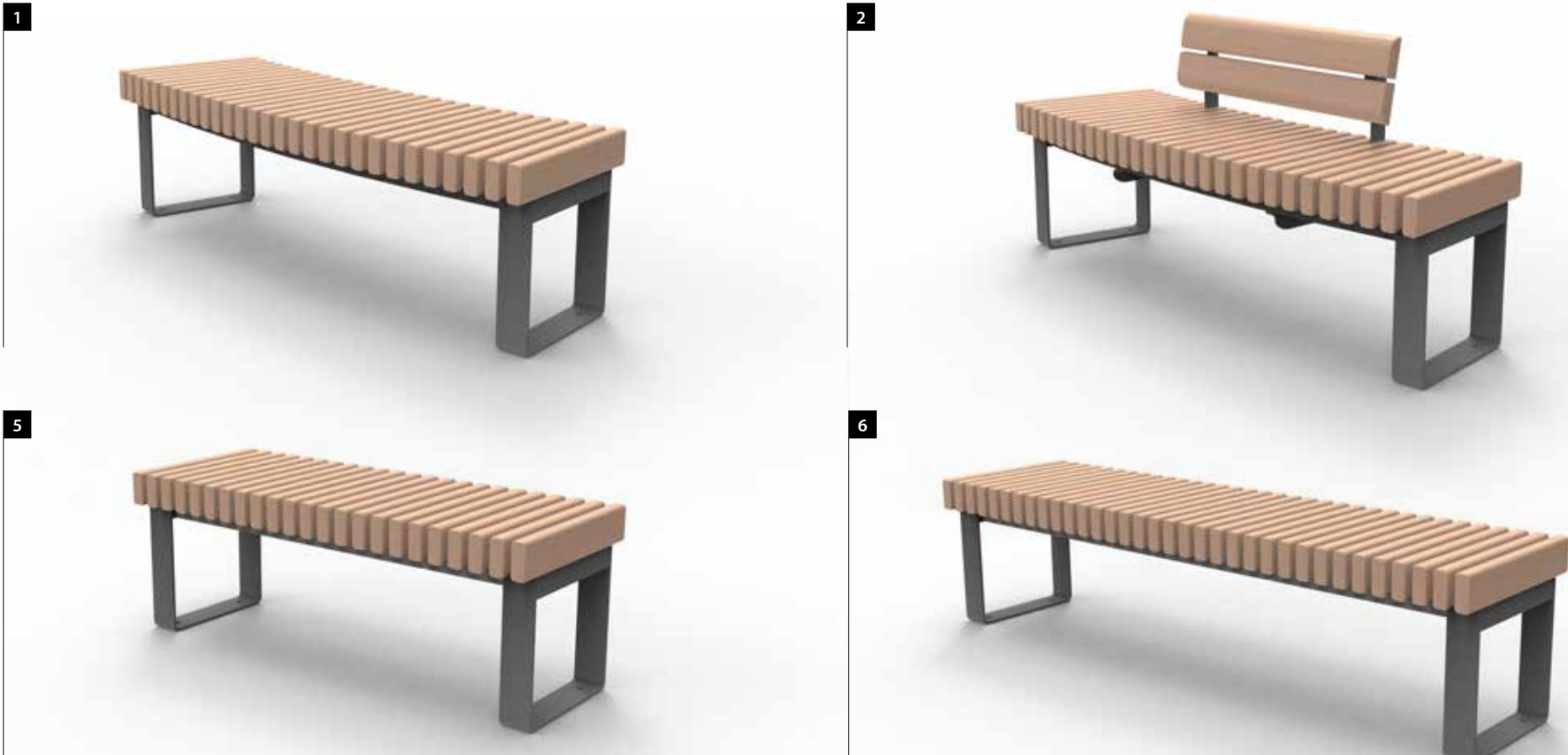
The Affinité seating range is an urban planning solution offering unlimited options to sculpt the urban landscape. Straight or curved models, aligned slats of wood, with or without backrests, free standing installation or combined installation. Lengths and shapes reflects your creativity.

Affinité lets you freely imagine whatever suits you in creating your public spaces to match their uses.





# Affinité Collection



**1. CURVED THREE PLACE BENCH**  
L - 1569 mm, H - 450 mm, W - 518 mm

**2. CURVED THREE PLACE BENCH WITH BACKREST**  
L - 1569 mm, H - 766 mm, W - 564 mm

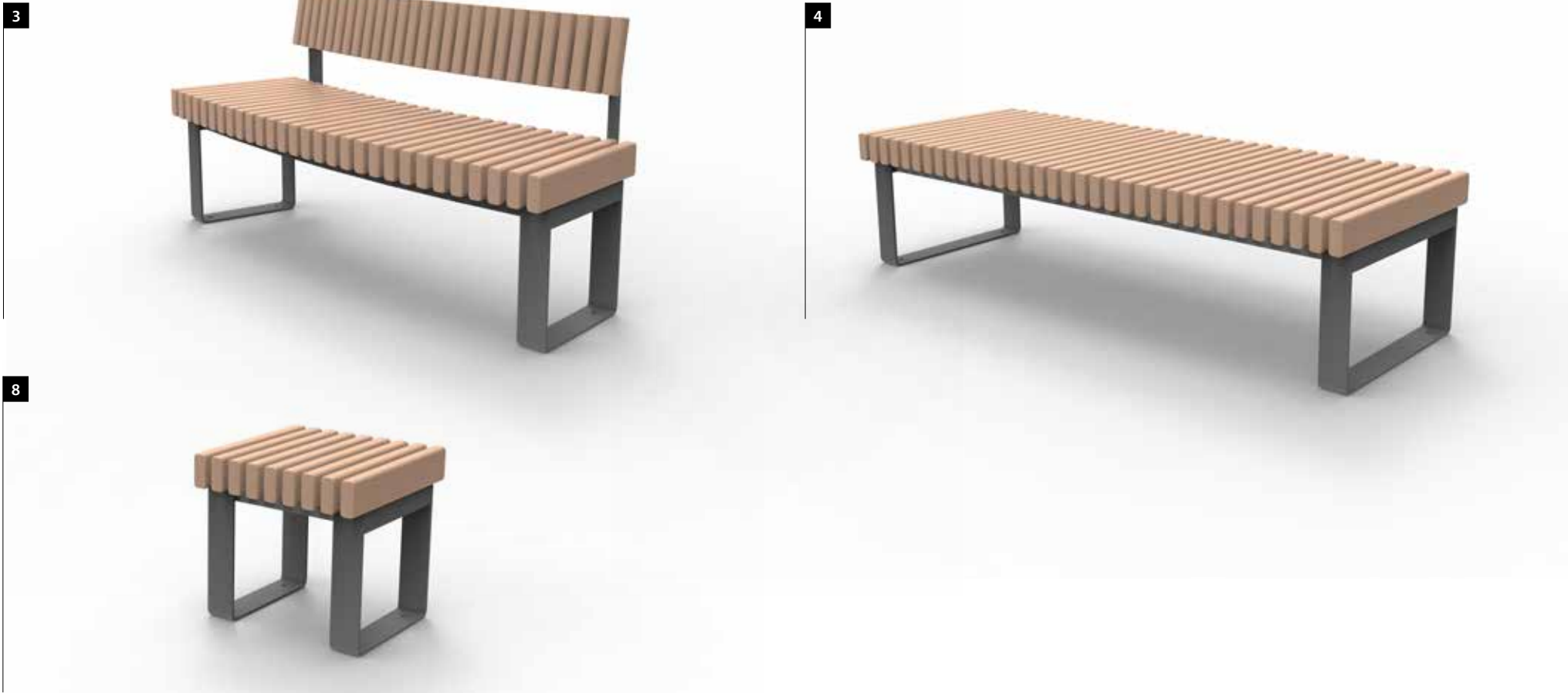
**3. CURVED THREE PLACE BENCH WITH BACKREST**  
L - 1569 mm, H - 766 mm, W - 564 mm

**4. WIDE THREE PLACE BENCH**  
L - 1800 mm, H - 450 mm, W - 674 mm

**5. SLIM TWO PLACE BENCH**  
L - 1213 mm, H - 450 mm, W - 462 mm

**6. SLIM THREE PLACE BENCH**  
L - 1800 mm, H - 450 mm, W - 462 mm

**7. STOOL**  
L - 466 mm, H - 450 mm, W - 462 mm























The elegant design, the light lines, the discreet assembly of the Affinité modules will add a qualifying positive and elaborated image to your landscape.

The soft shape of the wooden slats will offer comfort and well being to the users.

Create your tree surrounds, curvy shapes, straight alignments or whatever you have an affinity for.

Available in FSC®-certified timber or non FSC®-certified timber.



MATERIALS/COLOURS*												
Timber			RAL Powder Coat							ADAPTA Powder Coat		
	Ash	Hardwood (unstained)			RAL 1023	RAL 3020	RAL 4002	RAL 5015	RAL 6005		RAL 7005	Pebble Shore
												
	Natural Tint	Mahogany Tint	Walnut Tint	RAL 8001	RAL 9010	RAL 9017	RAL 9006	Akzo Nobel Sand Grey 900	Akzo Nobel Sand Grey 400		Bronze	





## CITI ELEMENTS®

Citi Elements® is a collection of street furniture offered in a choice of materials and finishes providing customisation at affordable prices. The multi-material design means there is a configured solution to suit almost any landscape.





Citi Elements®



**1. BENCH**  
L - 1820 mm, H - 475 mm, W - 416 mm

**2. BENCH (END ARMS)**  
L - 1920 mm, H - 475 mm (635), W - 416 mm

**3. BENCH (ALL ARMS)**  
L - 1920 mm, H - 475 mm (635), W - 416 mm

**4. SEAT**  
L - 1820 mm, W - 524 mm, H - 814 mm



**5. SEAT (END ARMS)**  
L - 1920 mm, W - 524 mm, H - 814 mm

**6. SEAT (ALL ARMS)**  
L - 1920 mm, W - 524 mm, H - 814 mm

**7. TABLE**  
L - 1820 mm, W - 630mm, H - 750 mm



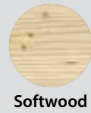
Citi Elements® Collection

Citi Elements® is an exciting new collection of street furniture offered in a choice of materials and finishes providing customisation at affordable prices. The multi-material design means there is a configured solution to suit almost any landscape.

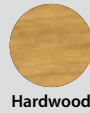
The eco-friendly materials, including 100% recycled plastic and FSC®-certified hardwood and softwood timber, help to protect the planet for future generations.



FSC®-CERTIFIED TIMBER

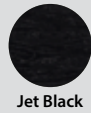


Softwood



Hardwood

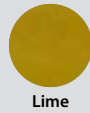
PLASTIC LUMBAR



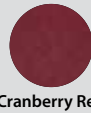
Jet Black



Apple Green



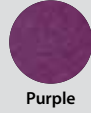
Lime



Cranberry Red



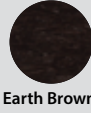
Cobalt



Purple

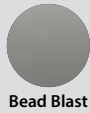


Orange

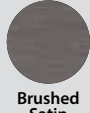


Earth Brown

STAINLESS STEEL



Bead Blast



Brushed Satin

MILD STEEL



RAL 9005



RAL 6005



RAL 1023



RAL 3009



RAL 5011



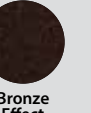
RAL 9006



RAL 9007



RAL 7016



Bronze Effect



Corten Effect



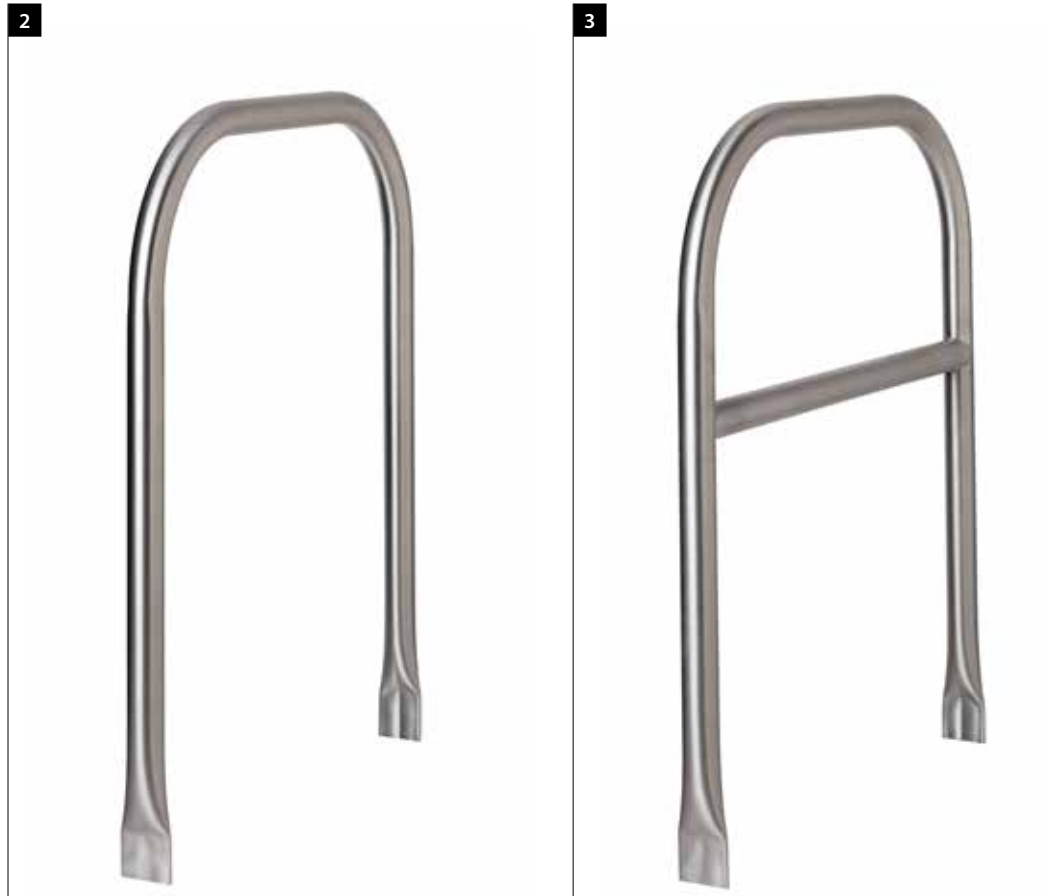
# Essentials



**1. SURFACE MOUNTED CYCLE STAND**  
H - 750 mm, W - 798 mm

**2. ROOT FIXED CYCLE STAND**  
H - 1000\* mm, W - 798 mm

**3. ROOT FIXED CYCLE STAND WITH TAPPING BAR**  
H - 1000\* mm, W - 798 mm



\* Both fixing types have the same finished height of 750 mm with 250 mm of the root fix being below ground level



**4. SEAT**  
L - 1800 mm, H - 800 mm

**5. BENCH**  
L - 1800 mm, H - 452 mm



## Essentials Collection

Essentials is a range of functional street furniture at great value prices offered in a choice of finishes. Available in 304 stainless steel with an option of powder coated steel or timber slats.

The design and materiality is the perfect choice for the demands of retail and business parks, car parks and walkways. Introducing seating spaces within public areas provides comfort and accessibility.



FRAME OPTIONS



Stainless Steel



Black Powder Coat

SLAT OPTIONS



Stainless Steel



Black Powder Coat



Softwood (slats)



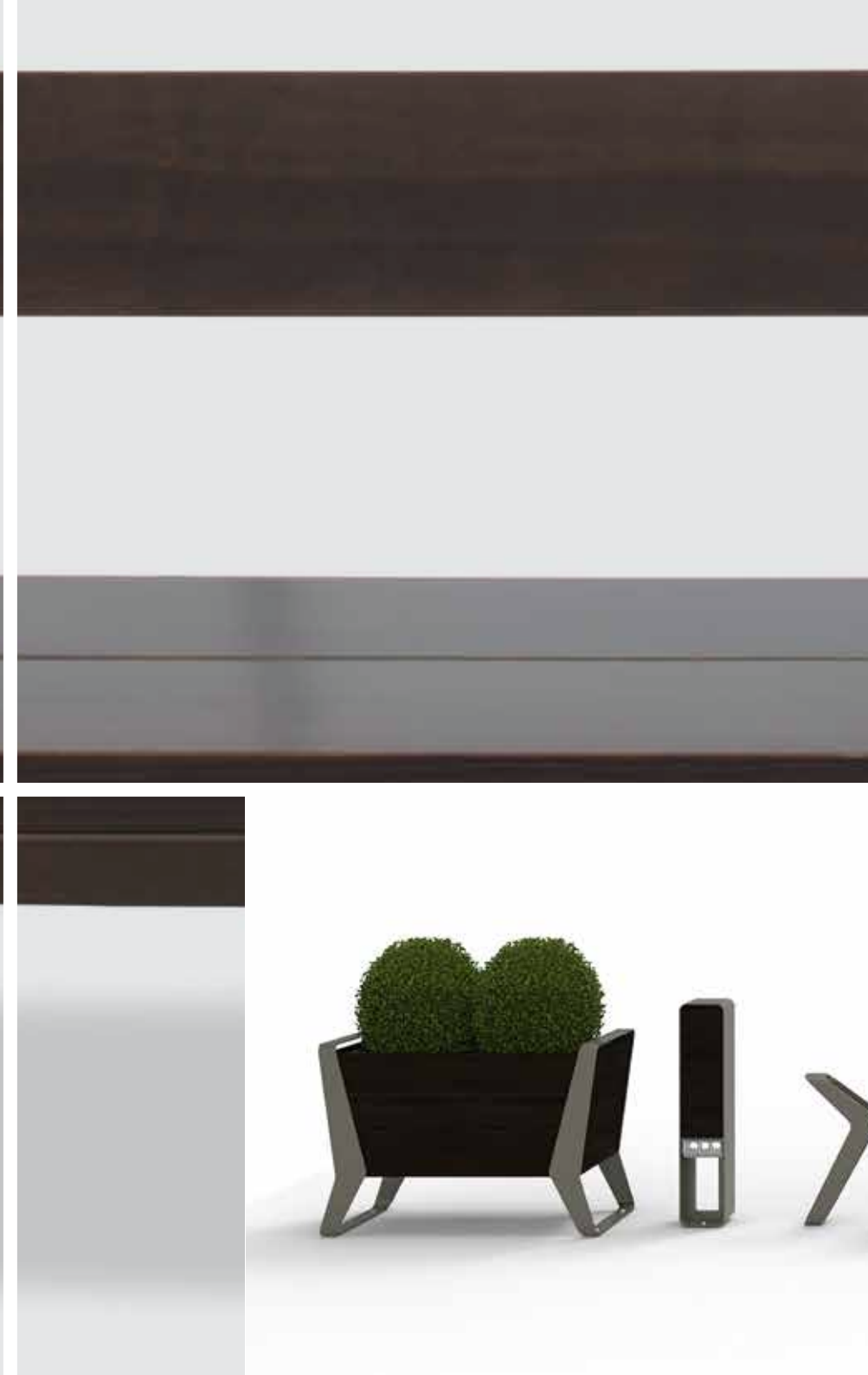
Hardwood (slats)





## STRATIC

The Stratic Collection combines a modern and dynamic range of products that mimic the finishes, smooth lines and contours of the automotive industry. A combination of materials including Accoya timber, cast aluminium, stainless steel and steel provides an extremely durable and low maintenance solution, offered in a choice of contemporary colour options.





# STRATIC Collection



**1. SEAT**  
L - 2012 mm, H - 767 mm, W - 450 mm

**2. BENCH**  
L - 2012 mm, H - 637 mm, W - 450 mm

**3. PLANTER**  
L - 1200 mm, H - 800 mm, W - 600 mm

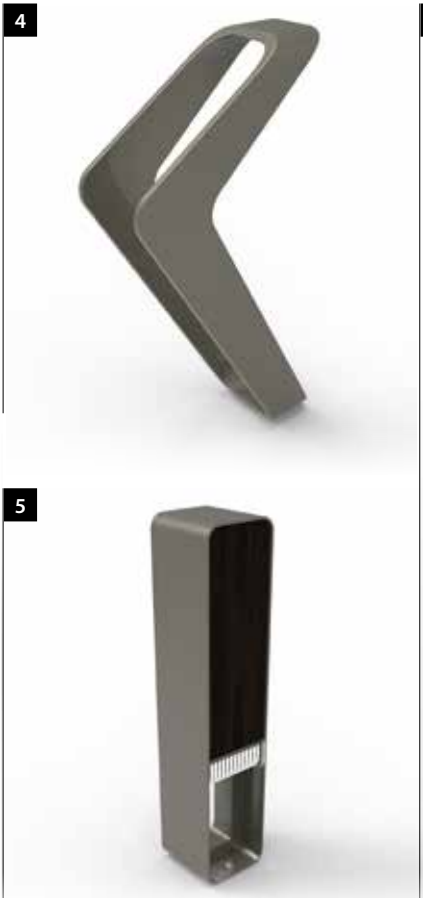
**4. CYCLE STAND**  
L - 324 mm, H - 637 mm, W - 140 mm



**5. LED MARKER**  
L - 200 mm, H - 950 mm, W - 200 mm

**6. LITTER BIN**  
L - 500 mm, H - 1100 mm, W - 450 mm

## Recommended Colour Combinations



Capacity 85 L

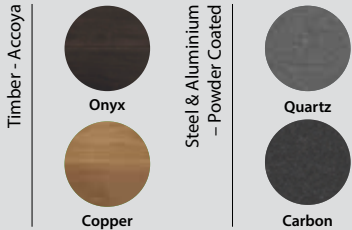
## Stratic Collection

The Stratic Collection combines a modern and dynamic range of products that mimic the finishes, smooth lines and contours of the automotive industry. A combination of materials including Accoya timber, cast aluminium, stainless steel and steel, provides an extremely durable and low maintenance solution, offered in a choice of contemporary colour options.

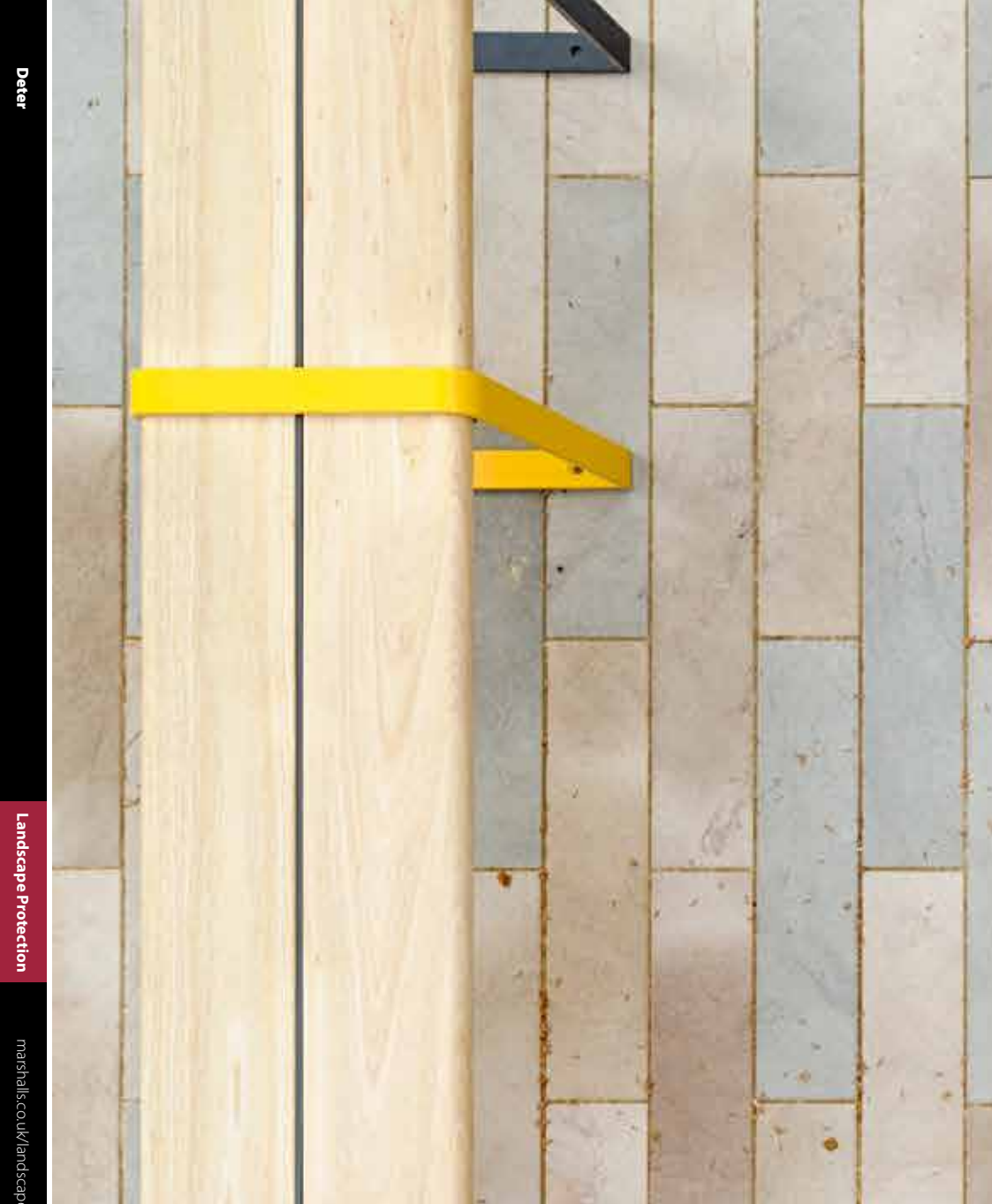
Timber is finished with a water based woodstain. The seating elements and cycle stand are manufactured from sleek cast aluminium, the LED marker from stainless steel with the planter and litter bin from steel.



## MATERIALS/COLOURS







## LOCI

The Loci Collection offers a powerful visual impact alongside ergonomic comfort. Created with a distinctly professional interior style, it is ideal for all sectors due to its linear design composed of clean square forms.





# LOCI Collection

## CUSTOMISE LOCI TO YOUR SCHEME

Integral to the blueprint of Loci is the ability to introduce distinctive colour to create exceptional elements of Landscape Furniture. Available in all RAL shades, (including Effect colours and the metallic range), there are endless combinations to define Loci exactly as you wish.

Colour is applied to Loci in an environmentally friendly way through a powder coated system that is Volatile Organic Compound and solvent free, which provides a robust and durable finish. The powder coated paint application process ensures minimal waste, with excess powder collected and reused, resulting in low wastage and therefore economical benefits.

### BASE COLOUR

Choose from Graphite Grey or Telegrey 2 for the main body of the unit.

### TIMBER

The light coloured ethically sourced Emerti timber provides a signature Scandinavian feel to the furniture

### ACCENT COLOUR

Any of the legs can be customised with an accent colour to give Loci its vibrant personality.

Step 1: Select your items

Step 2: Select your base colour

Step 3: Select your accent colour

### ACCENT COLOURS



RAL 1023  
Traffic Yellow



RAL 6018  
Yellow Green



RAL 5015  
Sky Blue



RAL 3002  
Carmine



RAL 6017  
May Green



RAL 5007  
Brilliant Blue

### BASE COLOURS



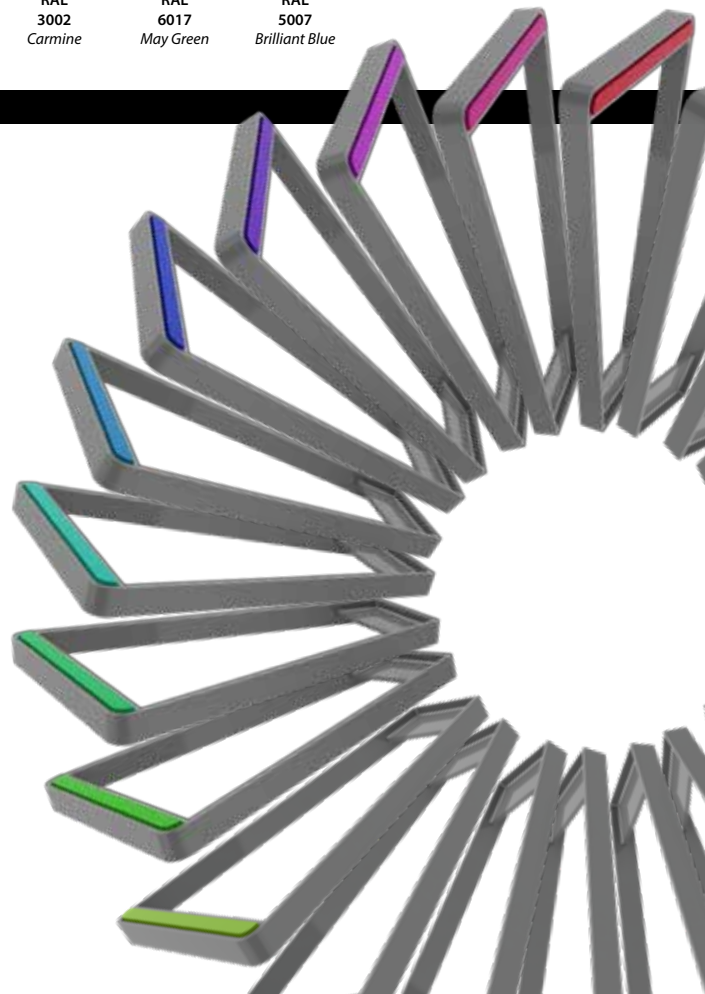
RAL 7024  
Graphite Grey



RAL 7046  
Telegrey 2

### ACCENT COLOUR / INSERT

The Loci cycle stand is fitted with timber inserts as standard to protect cycle frames from damage. To customise the cycle stand, the timber can also be exchanged for a powder coated steel insert.





# LOCI Collection



- 1. BENCH**  
L - 1600 mm, H - 460 mm, W - 380 mm

**2. TABLE**  
L - 1600 mm, H - 760 mm, W - 745 mm

**3. SEAT**  
L - 1600 mm, H - 800 mm, W - 455 mm

**4. SINGLE SEAT**  
L - 600 mm, H - 800 mm, W - 455 mm
- 5. STOOL**  
L - 600 mm, H - 590 mm, W - 380 mm

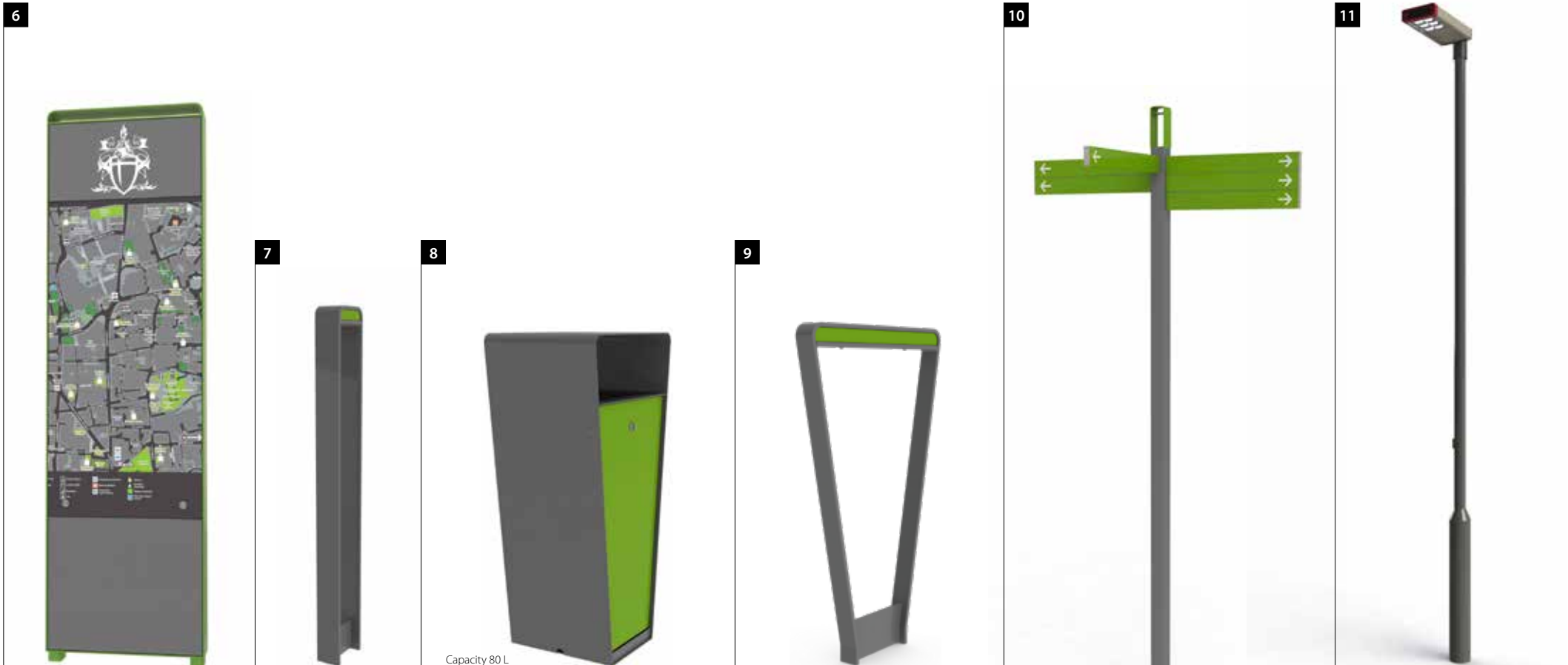
**6. MONOLITH** - \*Other Monolith sizes also available  
L - 600 mm, H - 2000 mm, D - 120 mm\*

**7. BOLLARD**  
L - 140 mm, H - 1100 mm, W - 80 mm

**8. BIN**  
L - 525 mm, H - 1100 mm, D - 420 mm
- 9. CYCLE STAND**  
L - 500 mm, H - 800 mm, D - 50 mm

**10. FINGERPOST**  
H - 3330 mm

**11. LUMINAIRE**  
L - 544 mm, H - 179 mm, W - 242 mm  
\*Excluding Column

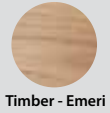


## Loci Collection

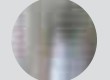
The flexible design of Loci has a distinctive lightness and transparency. With a clear linear profile based around square forms, the individual elements work well in groups due to their lightness of presence. Loci responds to the architecture of its time and its uniquely asymmetric design resonates through the full suite of products. The eye-catching 'ribbon' element offers enormous potential for creativity and flexibility.



### MATERIALS



Timber - Emeri



Steel - Powder Coated

### OPTIONAL ARM REST\*



\*For bench and stool armrest options, see product 5.

### AVAILABLE COLOURS

Base Colour	Accent Colour		
	RAL 7046	RAL 6018	RAL 5015





## GEO

GEO is a fully coordinated Landscape Furniture system, designed to help reduce street clutter and to create a visual link between public spaces. GEO reflects the best of modern urban design and has been selected for some of the most prestigious and iconic public realm regenerations. The design philosophy behind the GEO system is unfussy and simply designed to reduce visual confusion and physical clutter. GEO recognises that it is the people and the street that are important, not the amount of elements there to "control" them.





# GEO Collection



**1. SEAT**  
L - 1800 mm, H - 790 mm, W - 525 mm

**2. BENCH**  
L - 1800 mm, H - 440 mm, W - 675 mm






## GEO Collection

GEO seating reflects the best of modern urban design: simple, sustainable and robust materials in a low profile form. The GEO seating range is contemporary, yet its simple discreet unobtrusive lines make it equally suited to both historical and modern settings.

Seating elements are manufactured from a combination of high quality Stainless Steel, Steel and Iroko Timber.



MATERIALS/COLOURS				
Timber - Iroko		Untreated	Stainless Steel	
				Bead Blasted
			Steel – Powder Coated	
				RAL 7035



# GEO Collection



**3. POST & RAIL**  
L - 1000, 1500 or 2000 mm, H - 1106mm, DØ - 76 mm

**4. HOOP CYCLE STAND**  
L - 600 mm, H - 850, DØ - 50 mm  
L - 900 mm, H - 850, DØ - 50 mm  
L - 1200 mm, H - 850, DØ - 50 mm  
L - 1500 mm, H - 850, DØ - 50 mm

**5. LITTER BIN**  
H - 1150 mm, DØ - 500 mm



**6. BOLLARD**  
H - 1100 mm, DØ - 102 mm, 140 mm, 204 mm

**7. MARKER BOLLARD**  
H - 1100 mm, DØ - 140 mm

**8. ILLUMINATED BOLLARD**  
H - 1100 mm, DØ - 140 mm, 204 mm

**9. MONOLITH**  
L - 600 mm, H - 1800 mm - 3000 mm



Capacity 70 L



## GEO Collection

GEO features coordinated and cohesive Landscape Furniture designed to complement, rather than collide with, contemporary architectural styles.

The highest quality materials are used in GEO construction and are chosen with the knowledge that installation is disproportionately costly in relation to the furniture. This material choice decreases routine maintenance and replacement and therefore minimises the total lifetime cost.

The Litter Bin and Bollards are also available with integrated RhinoGuard® PAS 68 crash tested technology.



Timber - Iroko

Untreated

Stainless Steel

Grade 316

Steel – Powder Coated

RAL 7035

### MATERIALS/COLOURS





## TRAMET

Tramet has a simple, neutral design which dilutes into natural settings as well as urban and shopping contexts. Its main features focus on three aspects; comfort and adaptability to permit unconventional uses, excellent quality and versatile design.

The neutral design of Tramet allows it to blend into natural spaces as well as urban and commercial areas.





# Tramet

1



2



3



- 1. SEAT**  
L - 2500 mm, H - 840 mm, W - 570 mm
- 2. BENCH**  
L - 2500 mm, H - 440 mm, W - 560 mm
- 3. TABLE**  
L - 2500 mm, H - 800 mm, W - 914 mm

## TRAMET Collection

Tramet has a simple, neutral design which dilutes into natural settings as well as urban and shopping contexts. Its main features focus on three aspects; comfort and adaptability to permit unconventional uses, excellent quality and versatile design. The neutral design of Tramet allows it to blend into natural spaces as well as urban and commercial areas.

The range comprises of a bench, seat and table responding to the demand for complimentary elements.

The Tramet collection has a real and apparent robustness and sturdy feel. Benches may be installed free standing or surface fixed.

FSC®-certified timber is responsibly sourced from well managed forests (FSC® C133609)

### MATERIALS/COLOURS

FSC®-Certified Timber



Nordic Pine

Zinc Plated Steel



Silver



Black







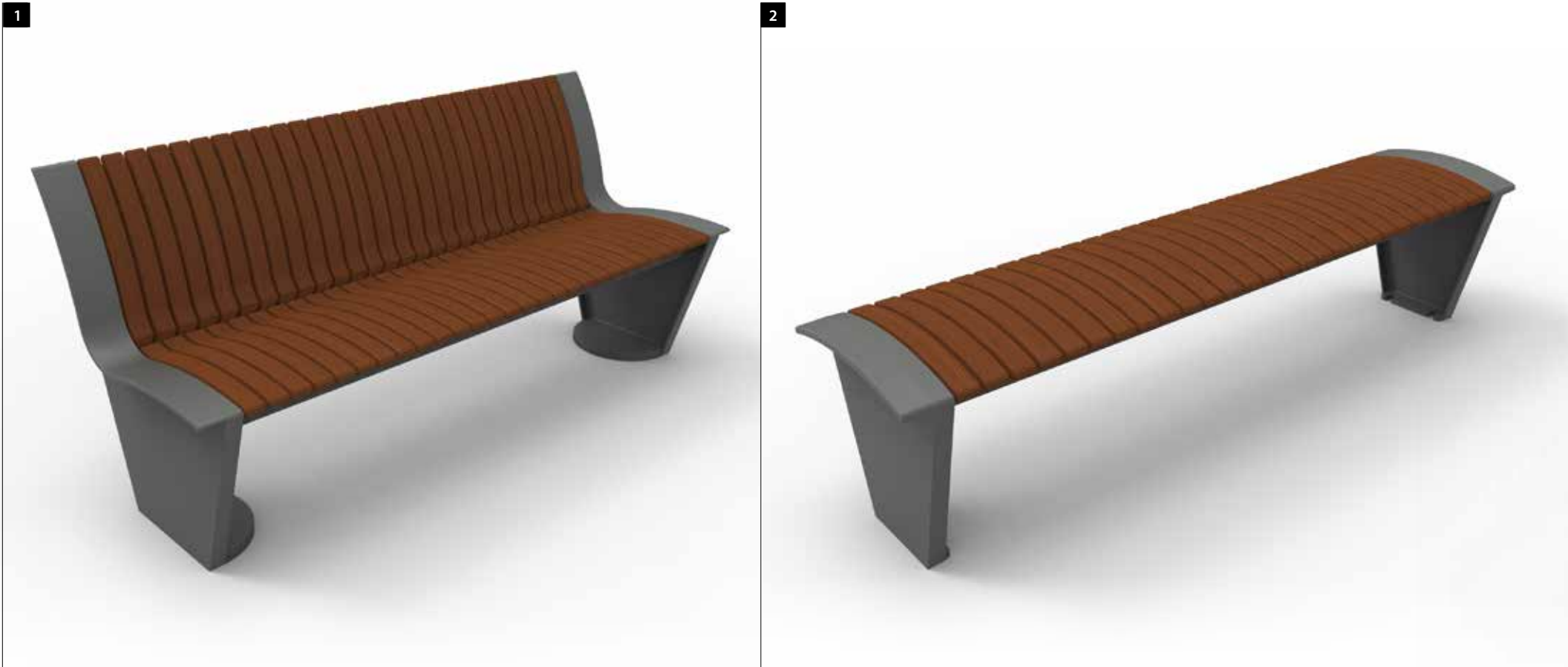
## RENDEZVOUS

With its modern design and more assertive lines, Rendezvous is a striking range of Landscape Furniture including a seat, bench, curved bench, litter bin and planter. Rendezvous is manufactured from a combination of sustainable hardwood and treated cast iron.





# Rendezvous Collection



- 1. SEAT**  
L - 1800 mm, H - 420 mm, W - 645 mm
- 2. BENCH**  
L - 1800 mm, H - 420 mm, W - 440 mm
- 3. CURVED BENCH**  
L - 1385 mm, H - 445 mm, W - 584 mm
- 4. LITTER BIN**  
H - 820 mm, DØ - 490 mm

- 5. TABLE**  
L - 1775 mm, H - 718 mm, W - 928 mm

Exclusively supplied by

**sineu  
graff**

Street Furniture



## Rendezvous Collection

The Rendezvous collection is manufactured using cast iron and hardwood from sustainable sources, treated using a unique timber treatment process. The timber is treated with an impregnator which protects the timber from ingress of water, algae and rot.



### MATERIALS/COLOURS\*

FSC®-certified Timber

Exotic Hardwood

Walnut

Natural

Mahogany

Cast Iron – Powder Coated

RAL 7046

RAL 3020

RAL 9006

RAL 9007

RAL 7016

RAL 5010

RAL 1023

RAL 8014

RAL 6005

\*The timber is treated with a solvent free wood stain





## METROLINIA

The Metrolinia Modular seating system allows designers to meet many of the challenges of contemporary urban landscapes. The system is comprised of a range of 'building blocks' to enable limitless configurations of seats and benches, as well as the incorporation of planters into the design. Space can be defined in more interesting ways with collections of units, allowing limitless tailored configurations to be achieved. In large spaces, it can be used to define areas of use and demarcate boundaries. The limited size of units allows them to be easily moved if space is needed.





## Unlimited combinations with Metrolinia

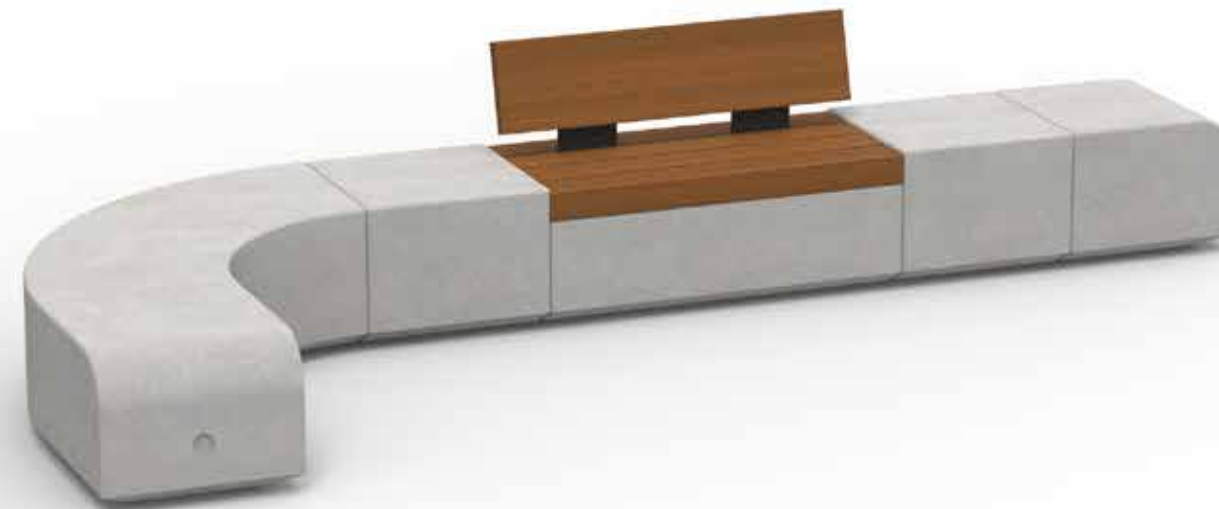
Integrate planting into a linear configuration



Create a unique cross configuration with integrated planting



A curved configuration can be created using corner units



Create a social seating hub with a combination of seats, benches and planters





# System components: *Create your seating solution using the components below*

## STEP 1 - Select End Module

End blocks are used to start or finish a configuration and can be specified with either a radius corner or a square end.



- 1. RADIUS END BLOCK**  
L - 600 mm, H - 456 mm, W - 600 mm
- 2. SQUARE END BLOCK**  
L - 600 mm, H - 456 mm, W - 600 mm
- 3. SEAT**  
L - 1200 mm, H - 456 mm, W - 600 mm
- 4. BENCH**  
L - 1200 mm, H - 456 mm, W - 600 mm

## STEP 2 - Select Intermediates

Intermediate modules bring your design to life with the combination of seating and planting.



To be used in the middle of a configuration only  
Not to be used at an immediate right angle with another seat



To be used in the middle of a configuration only  
Not to be used at an immediate right angle with another seat

- 5. PLANTER**  
L - 600 mm, H - 456 mm, W - 600 mm
- 6. RADIUS CORNER BLOCK**  
L - 1200 mm, H - 456 mm, W - 1200 mm
- 7. INTERMEDIATE BLOCK (600)**  
L - 600 mm, H - 456 mm, W - 600 mm
- INTERMEDIATE BLOCK (1200)**  
L - 1200 mm, H - 456 mm, W - 600 mm



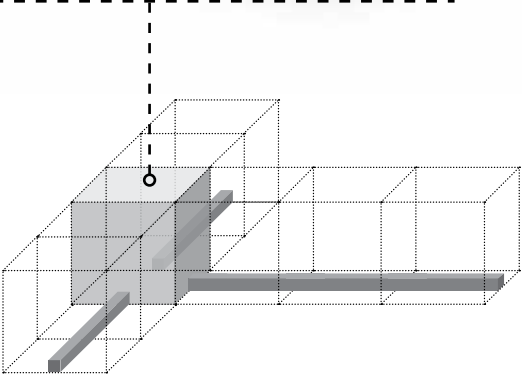
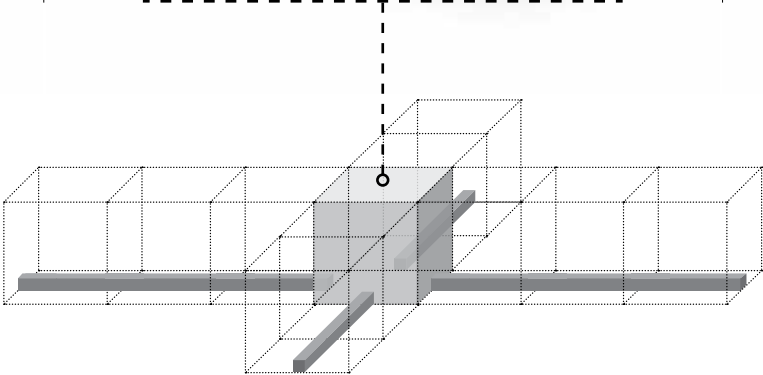
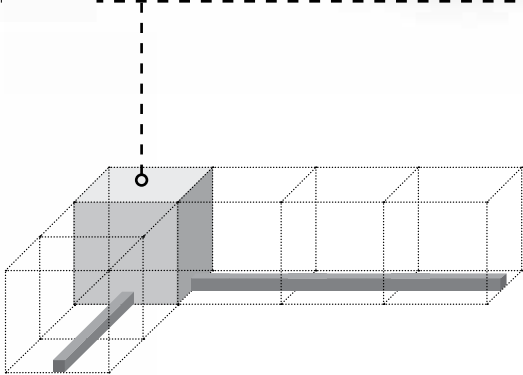
Not to be used as a stand alone module



- 8. CORNER BLOCK**  
L - 600 mm, H - 456 mm, W - 600 mm
- 9. X BLOCK**  
L - 600 mm, H - 456 mm, W - 600 mm
- 10. T BLOCK**  
L - 600 mm, H - 456 mm, W - 600 mm

## STEP 3 - Select Transition Modules

Transition modules are used to give added flexibility to your configuration to overcome the challenges of different landscapes



## Metrolinia Collection

The Metrolinia Collection is manufactured in precast concrete, with the option of Iroko timber slats for the seat and bench modules. The system comprises of "building blocks" to enable unlimited configurations of seats, benches and planters. Transition modules such as corner blocks, intermediate blocks and radius blocks can be incorporated into the scheme to navigate corners and more intricate spaces.

Select from 3 concrete finishes to ensure cohesion and visual consistency to suit the surrounding landscape.

Modular seating systems such as Metrolinia support the desire to create sociable spaces, where people can feel safe. Frequently used, visible spaces with a choice of modular concrete seating systems can support this.



### MATERIALS/COLOURS

Timber - Iroko	 Treated	Concrete - Acid Etched	
		 City Charcoal Grey	 City Grey
		 City Silver Grey	





# BOXLAND

Boxland is a modular system for arranging multiple aggregations covering all the components of the Box collection, as well as different accessory seat systems. The combination of the Box benches in their five lengths, together with the Box Planter and the Nexus pentagonal articulation element, allows infinity of simple or complex compositions that fit into any urban setting.

## Boxland

1



5



1. BOX 50

L - 500 mm, H - 450 mm, W - 500 mm

2. BOX 100

L - 1000 mm, H - 450 mm, W - 500 mm

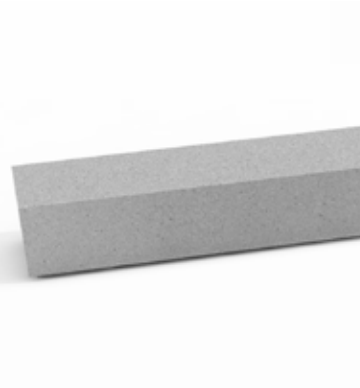
3. BOX 150

L - 1500 mm, H - 450 mm, W - 500 mm

2



6



4. BOX 200

L - 2000 mm, H - 450 mm, W - 500 mm

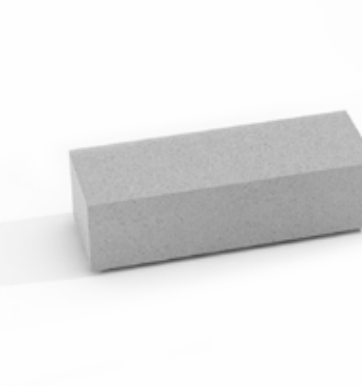
5. BOX 200 (WITH SEAT INSERT)

L - 2000 mm, H - 450 mm, W - 500 mm

6. BOX 250

L - 2500 mm, H - 450 mm, W - 500 mm

3



7



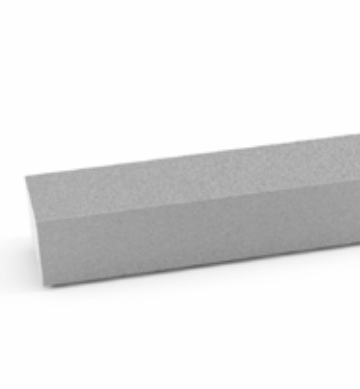
7. BOX PLANTER

L - 2000 mm, H - 450 mm, W - 500 mm

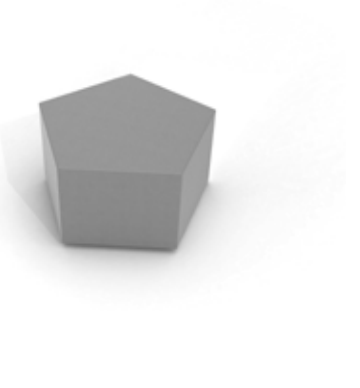
8. BOX NEXUS















L - 810 mm, H - 450 mm, W - 760 mm

4



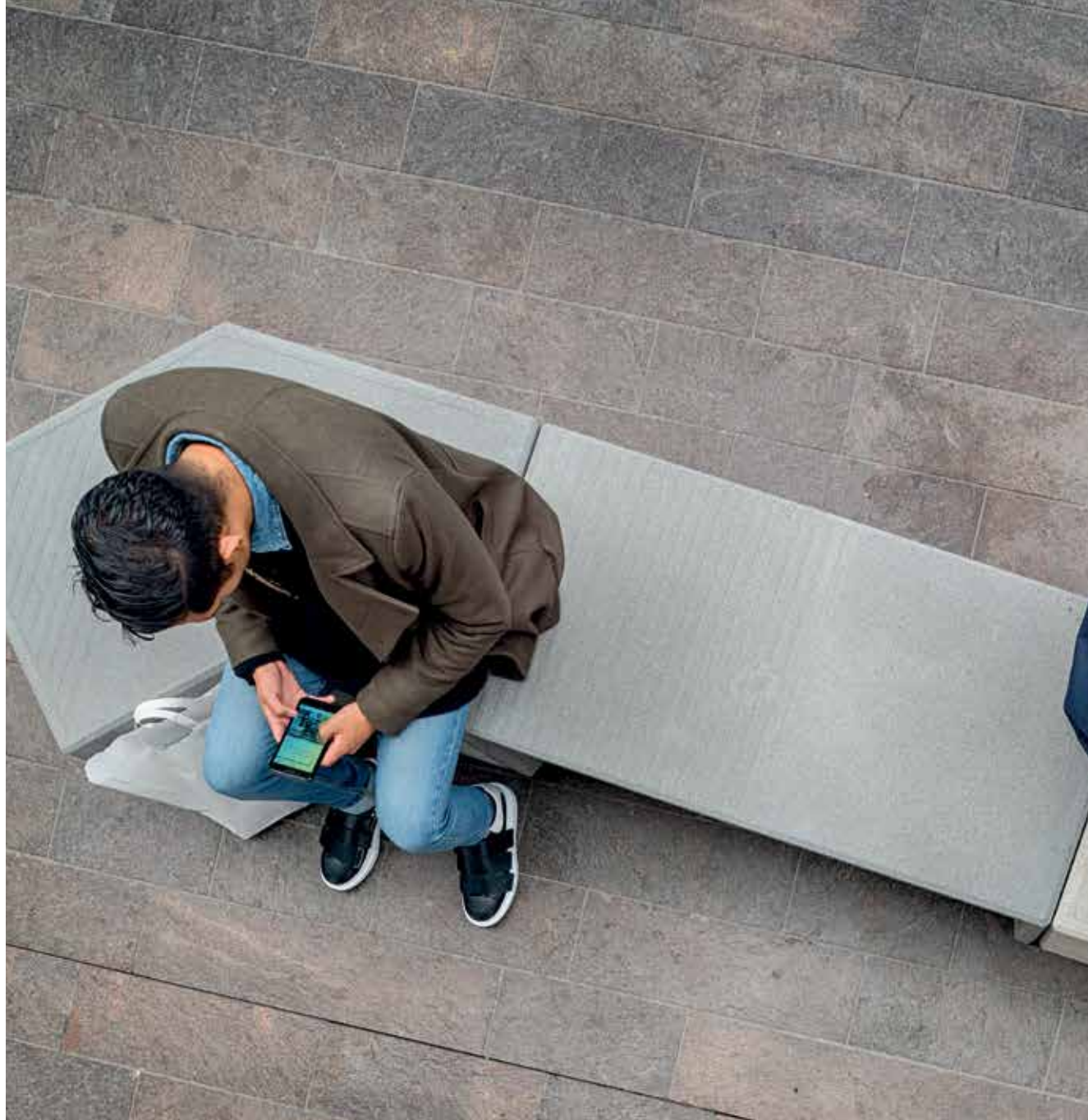
8



MATERIALS/COLOURS					SEAT INSERT OPTIONS						
Concrete / Recycled Concrete					Timber		High Pressure Laminate				
	Grey	Black	White	Red		Beige		Teak	Yellowish Green	Golden Yellow	Enigma Wood
											
	CA Grey	Eco Grey	Eco Black					Medium Grey	Petrol Green	Terracotta	

Escofet®





# TENPLO





Tenplo is a modular landscape furniture collection inspired by industrial design.

The collection encapsulates a linear style combined with a solid form and angular geometry. Selected modules incorporate a striking pattern relief detailing to give the range its understated, sophisticated character.

Consisting of eight modules, the collection offers huge design flexibility and means no two schemes need to be the same.

## Tenplo



MATERIALS/COLOURS			
Concrete		Powder coated stainless steel	
	Silver Grey		Red Oxide
			
	Anthracite		Grey Oxide

1



2



3



4



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7



8



### 1. HOLLOW BENCH

L - 1200 mm, H - 440 mm, W - 600 mm

### 2. HOLLOW BLOK LH

L - 1000 mm, H - 440 mm, W - 600 mm

### 3. HOLLOW BLOK RH

L - 1500 mm, H - 440 mm, W - 600 mm

### 4. SQUARE BLOK

L - 2000 mm, H - 440 mm, W - 600 mm

### 5. TRANSITION BLOK

L - 1193 mm, H - 799 mm, W - 500 mm

### 6. CYCLE BLOK

L - 600 mm, H - 440 mm, W - 600 mm

### 7. PLANTER BLOK

L - 1200 mm, H - 440 mm, W - 600 mm

### 8. LITTER BIN

L - 500 mm, H - 805 mm, W - 500 mm



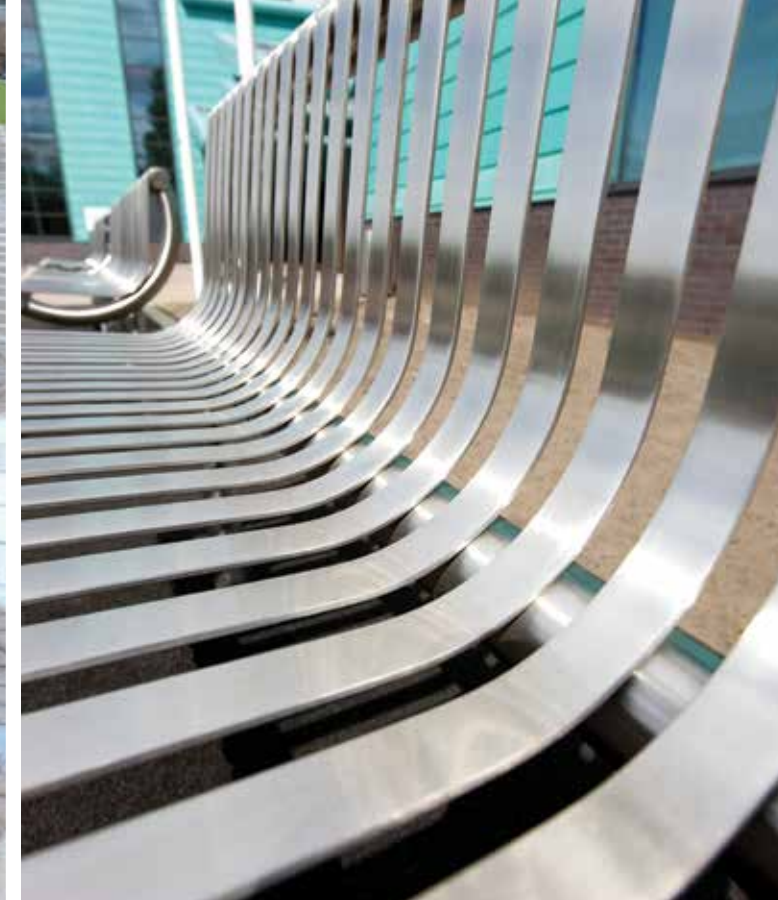


## MARSHALLS M3

Manufactured from 316L grade stainless steel the stylish and versatile Marshalls M3 coordinated collection has a reputation for style, quality and value in the market.

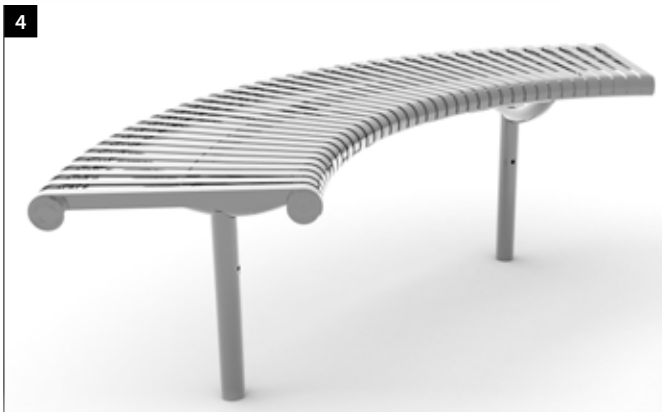
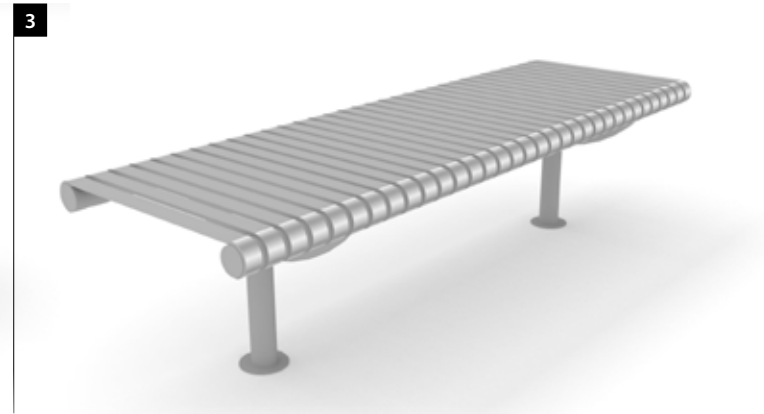
The sleek stainless steel design style runs throughout the range offering a contemporary solution for almost any landscape.

Each slat is wrapped around the top and lower supporting tubes and welded at three points of contact. This ensures rigidity and strength in the structure, making the seat less prone to vandalism.





# Marshall's M3 Collection



Bench with table

- 1. SEAT**  
L - 1800 mm, H - 820 mm, W - 533 mm
- 2. CURVED SEAT**  
L - 2228 mm, H - 820 mm, W - 535 mm
- 3. BENCH**  
L - 1800 mm, H - 450 mm, W - 525 mm
- 4. CURVED BENCH**  
L - 2228 mm, H - 450 mm, W - 525 mm

- 5. BACK TO BACK**  
L - 1800 mm, H - 820 mm, W - 1066 mm
- 6. TABLE**  
L - 1800 mm, H - 750 mm, W - 700 mm
- 7. LITTER BIN**  
H - 650 mm, DØ - 435 mm
- 8. SERPENTINE BENCH**  
L - 3626 mm, H - 450 mm

## FESTIVAL COLLECTION



The Festival Collection is also available as a powder coated, mild steel alternative to Marshall's M3.

Festival carries the same design language as Marshall's M3 but at a more cost effective price point.

## Marshall's M3 Collection

The system is less prone to pitting and staining than those in lower grades, providing at the same time optimal strength. Each slat is wrapped around the top and lower supporting tubes and welded at three points of contact. This ensures rigidity and strength in the structure, making the seat less prone to vandalism.



## OPTIONAL ARM REST



## MATERIALS/COLOURS

Marshall's M3  
Stainless Steel



Brushed Satin





## FESTIVAL

The Marshalls Festival Collection is also available as a powder coated, mild steel alternative to Marshalls M3.

Festival carries the same design language as Marshalls M3 but at a more cost effective price point.

The Festival seating range combines comfort and functionality, to deliver a high quality seating option for almost any type of scheme.





# Festival Collection



- 1. SEAT**  
L - 1800 mm, H - 820 mm, W - 533 mm
- 2. CURVED SEAT**  
L - 2228 mm, H - 820 mm, W - 535 mm
- 3. BENCH**  
L - 1800 mm, H - 450 mm, W - 525 mm
- 4. CURVED BENCH**  
L - 2228 mm, H - 450 mm, W - 525 mm



- 5. BACK TO BACK**  
L - 1800 mm, H - 820 mm, W - 1066 mm
- 6. TABLE**  
L - 1800 mm, H - 750 mm, W - 700 mm
- 7. LITTER BIN**  
H - 650 mm, DØ - 435 mm
- 8. SERPENTINE BENCH**  
L - 3626 mm, H - 450 mm



Bench with table











Capacity 85 L or 110 L



## Marshalls Festival Collection

The Festival range is a versatile modular system that meets the demands of modern environments and enhances public spaces. Straight and curved seats and benches can be designed to any length, any internal radius above 600mm and in any combination. The Festival range is popular in education and healthcare establishments, and civic spaces.



MATERIALS/COLOURS							
Steel – Powder Coated	 Powder Coated Steel	Powder Coat Options	 RAL 9010	 RAL 9005	 RAL 9006	 RAL 6005	
			 RAL 7046	 RAL 9007	 RAL 5010		





# IDYLLE

Idylle is a biophilic inspired seating solution designed by French designer Arturo Erbsman, whose designs reflects nature and natural forms.

















## Idylle Collection

The cast iron leg design gives the illusion of a tree trunk rising out of the ground. The unstained hardwood gives a natural aesthetic that will gradually blend into the environment.

Available in FSC®-certified timber or non FSC®-certified timber.



MATERIALS/COLOURS									
timber			Cast Iron - Powder coated						
	Ash	Hardwood (unstained)							
									
	Natural Tint	Mahogany Tint							
									
		Walnut Tint							The timber is treated with a solvent free wood stain
				RAL 7046	RAL 9006	RAL 7016	RAL 1023	RAL 6005	
									
				RAL 3020	RAL 9007	RAL 5010	RAL 8014		

1



4



**1. SEAT**

L - 1780 mm, H - 825 mm, W - 710 mm

**2. CURVED BENCH WITH BACKREST**

L - 1786 mm, H - 688 mm, W - 553 mm

**3. CHAIR**

L - 715 mm, H - 810 mm, W - 635 mm

2



5



**4. WIDE BENCH**

L - 1780 mm, H - 450 mm, W - 690 mm

**5. SLIM BENCH**

L - 1780 mm, H - 450 mm, W - 365 mm

**6. CURVED BENCH**

L - 1786 mm, H - 448 mm, W - 553 mm

3



Chair is available with a pivoting base plate

6



Exclusively supplied by



Street Furniture





## WATERSIDE

The Waterside Collection is based around a unique elliptical form, resulting in a stylish and functional selection of Landscape Furniture suitable for both modern and traditional landscapes.

Manufactured from Ferrocast®, The Waterside Collection is extremely durable, won't rust or corrode, and can be supplied in any standard RAL colour as shown, helping you create a better landscape with a better material.





# Waterside Collection



**1. SEAT**  
L - 2110 mm, H - 871 mm, W - 893 mm

**2. LITTER BIN**  
L - 850 mm, H - 1015 mm, W - 450 mm

**3. BOLLARD**  
H - 1000 mm, W - 175 mm

**4. CYCLE STAND**  
H - 850 mm, W - 460 mm

**5. POST AND RAIL**  
L - 2000 mm, H - 1200 mm



**Waterside Collection**

The Waterside collection, manufactured from Ferrocast®, is defined by sleek elliptical forms that allow the range to sympathetically blend into the landscape.

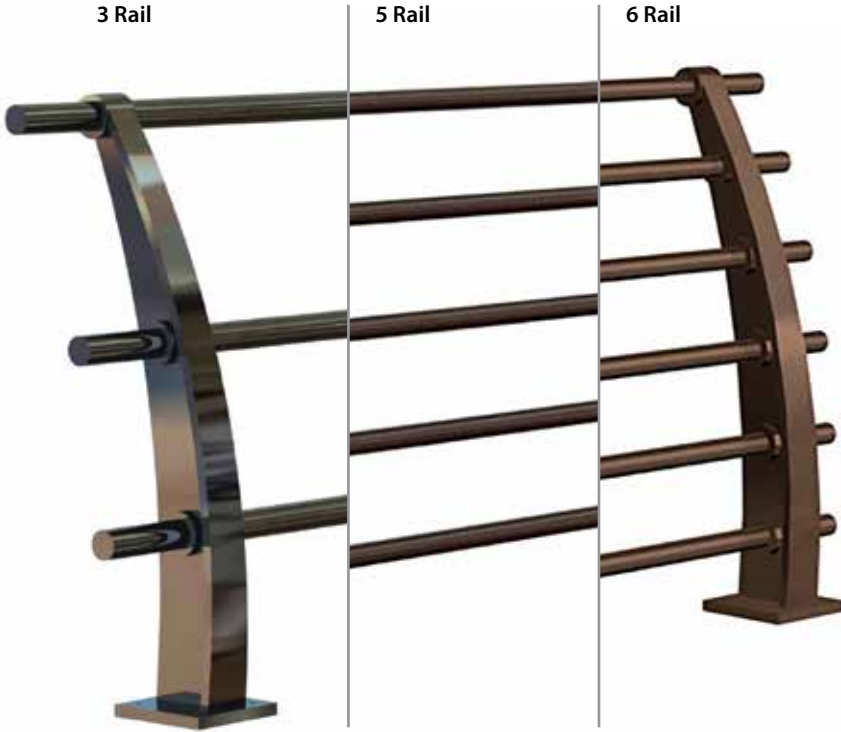
The extremely durable Ferrocast® material enables the range to be perfectly suited for challenging environments such as seafronts. Due to the unique polyurethane chemical composition, the material will not rust or corrode.

A steel core gives the products internal strength for optimum durability.



MATERIAL/COLOURS	
Timber - Iroko	
Available RAL colours	
Untreated	
RAL 9010	RAL 7046
RAL 9005	RAL 3020
RAL 9006	RAL 9007
RAL 7016	RAL 5010
RAL 1023	RAL 8014
RAL 6005	

The Waterside Post and Rail system is available as a 3, 4, 5 or 6 rail unit to suit the aesthetic requirements of a project.







## CODA

Coda is a cohesive collection of Landscape Furniture elements that is derived from our extensive experience of public realm innovation and regeneration.





# CODA Collection



**1. SEAT**  
L - 1920 mm, H - 880 mm, W - 496 mm

**2. BENCH**  
L - 1920 mm, H - 470 mm, W - 496 mm

**3. TABLE**  
L - 1920 mm, H - 700 mm, W - 596 mm



## Coda Collection

The Coda collection, manufactured from wet cast concrete is available in two colour tones which coordinate with Marshalls Metrolinia and Conservation paving.

All metal items are finished with a highly durable polyester powder coat in RAL 9007.



### OPTIONAL ARM RESTS



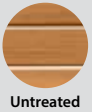
Seat



Bench

### MATERIALS/COLOURS

Timber - Iroko



Untreated



Concrete - Acid Etched



Anthracite



Silver Grey





## IGNEO

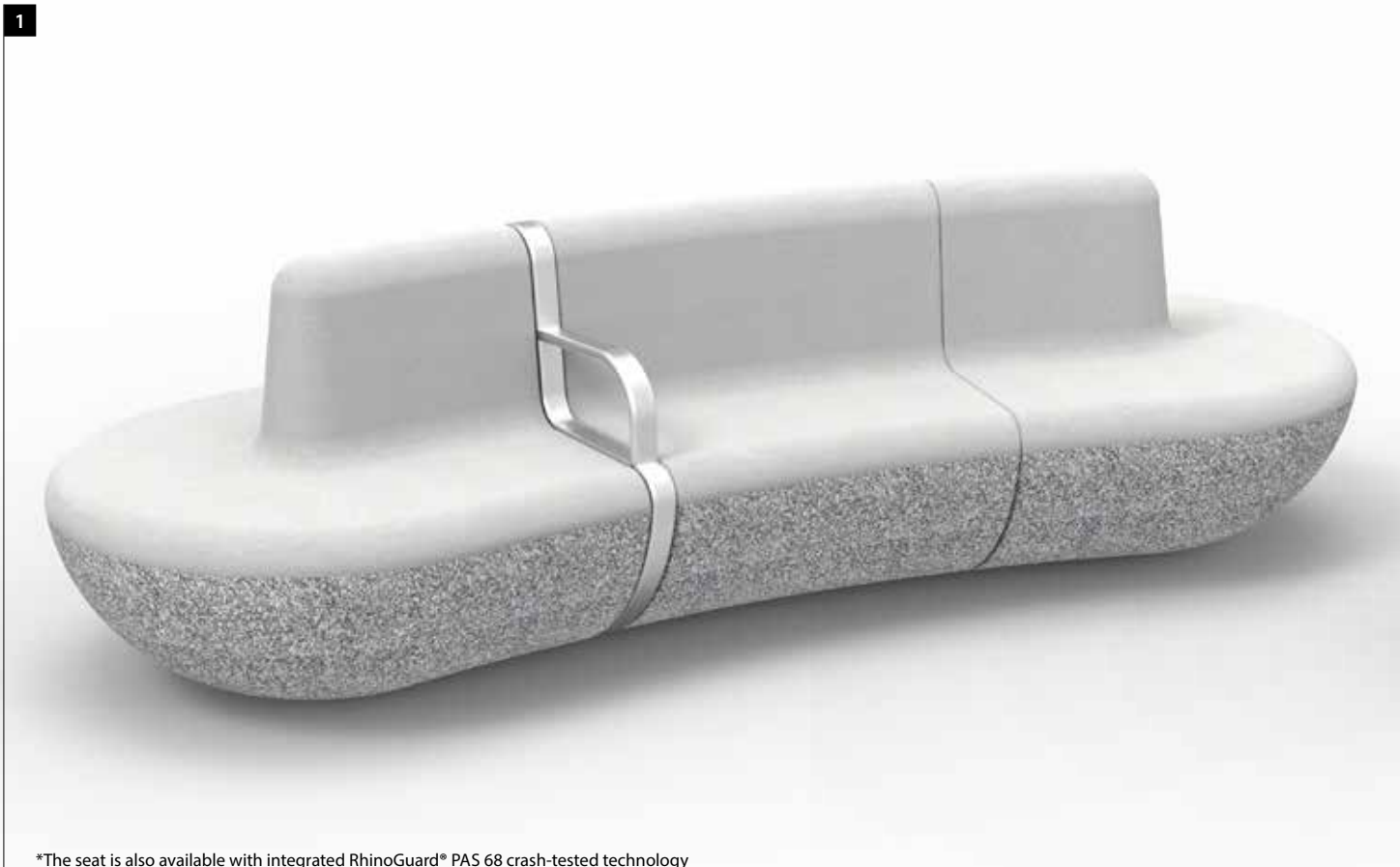
Igneo is a coordinated concrete modular system that offers contemporary styling, combined with functionality and maximum robustness. The collection consists of a seat, chair, stool and a litter bin. The seating can be specified to any length, based on the module sizes, dependent on the location and the number of seating places required.

Manufactured in Ferrocast®, the seating arm rests and litter bin doors will have a long life span and require virtually no maintenance. Ferrocast® parts can be ordered in any standard RAL colour.





# Igneo Collection



- 1. SEAT\***  
L - 3176 mm, H - 878 mm, W - 1115 mm
- 2. CHAIR**  
L - 953 mm, H - 434mm, W - 561 mm
- 3. STOOL**  
L - 500 mm, H - 500 mm, W - 500 mm
- 4. LITTER BIN**  
L - 900 mm, H - 1170 mm

- 5. SEAT MODULES**
- LEFT HAND - L - 1037 mm, H - 878 mm, W - 1115 mm
- INTERMEDIATE - L - 1037 mm, H - 878 mm, W - 1115 mm
- RIGHT HAND - L - 1037 mm, H - 878 mm, W - 1115 mm
- ARM REST MODULE - L - 60 mm, H - 670 mm, W - 1115 mm
















\*The seat is also available with integrated RhinoGuard® PAS 68 crash-tested technology

## Igneo Collection

Igneo is a coordinated concrete modular system that offers contemporary styling, combined with functionality and maximum robustness. The collection consists of a seat, chair, stool and a litter bin. The seating can be specified to any length, based on the module sizes, dependent on the location and the number of seating places required.

Manufactured in Ferrocast®, the seating arm rests and litter bin doors will have a long life span and require virtually no maintenance. Ferrocast® parts can be ordered in any standard RAL colour.



MATERIALS / COLOURS										
Concrete – Acid Etched			Ferrocast® - Painted							
	Cream	Boulevard Black		RAL 9010	RAL 7046	RAL 9006	RAL 7016	RAL 1023	RAL 6005	
										
	Conservation Silver Grey	Conservation Charcoal		RAL 9005	RAL 3020	RAL 9007	RAL 5010	RAL 8014		



# DEMETRA

Understanding outdoor spaces and bringing them to life, this stylish and durable range offers comfort and amenity to all users.

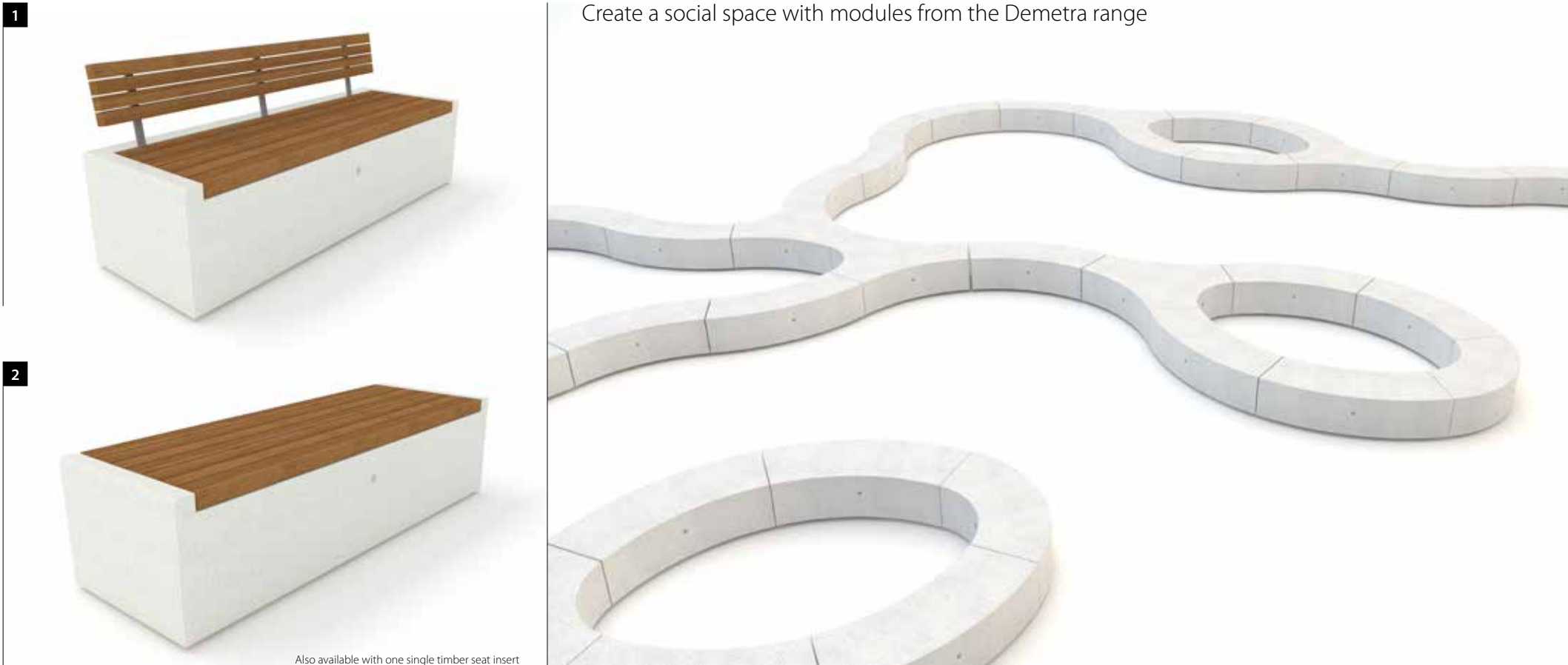
The Demetra modular system is a contemporary and flexible range which comprises of a bench with a choice of timber seating options, curved bench, planter and a combined seating/ planter unit.

Together these items can be mixed and matched to provide the perfect configuration for any project.





# Demetra Collection



Create a social space with modules from the Demetra range

- 1. SEAT**  
L - 1800 mm, H - 812 mm, W - 600 mm
- 2. BENCH WITH SLATS**  
L - 1800 mm, H - 480 mm, W - 600 mm
- 3. BENCH**  
L - 1800 mm, H - 480 mm, W - 600 mm

- 4. DEMETRA CURVED**  
Small: L - 1705 mm, H - 480 mm, W - 775 mm  
Large: L - 1907 mm, H - 480 mm, W - 742 mm
- 5. Y BENCH**  
L - 1764 mm, H - 480 mm, W - 1705 mm
- 6. PLANTER**  
L - 1800 mm, H - 470 mm, W - 600 mm

- 7. CURVED PLANTER**  
L - 1907 mm, H - 480 mm, W - 742 mm
- 8. COMBINED SEAT & PLANTER**  
L - 2249 mm, H - 1664 mm, W - 400 mm

Exclusively supplied by  
**BELLITALIA®**














## Demetra Collection

The Demetra modular system is a contemporary and flexible range that comprises of a bench with a choice of timber seating options, curved bench, planter and a combined seating/planter unit.

All units have been designed to be connected together without the need for fixings giving greater design freedom and ease of installation.

### MATERIALS/COLOURS\*

Concrete	 White Granite	Precious Stone	 Rosso	 Bianco	 Giallo	 Veneziano	Timber	 Movingui	 Pine
			 Porfido	 Verde	 Nero			 Okume	

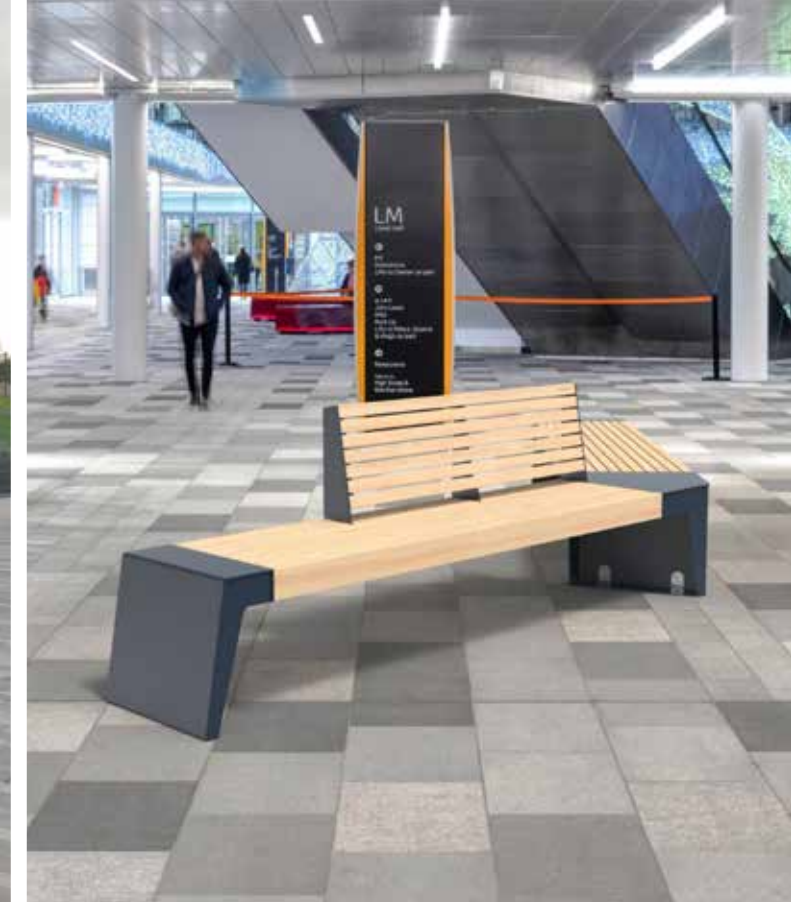
\*The Precious Stone and Concrete colours are available in a choice of finishes, including Sandblasted, Polished, Bush Hammered





## URBAIN®

Urbain® is a modular seating system designed to fit perfectly into a number of urban settings. The collection comprises of an interchangeable bench, seat and table allowing for greater modification. The customisable seating arrangement includes a breadth of options ranging from armrests, single, double and triple backrest variations and table attachments. The multiple leg options enable double benches as well as angled corner pieces to create dynamic runs. Urbain® is created using FSC®-certified softwood and the mild steel can be customised with a range of RAL or fossil effect powder coats.



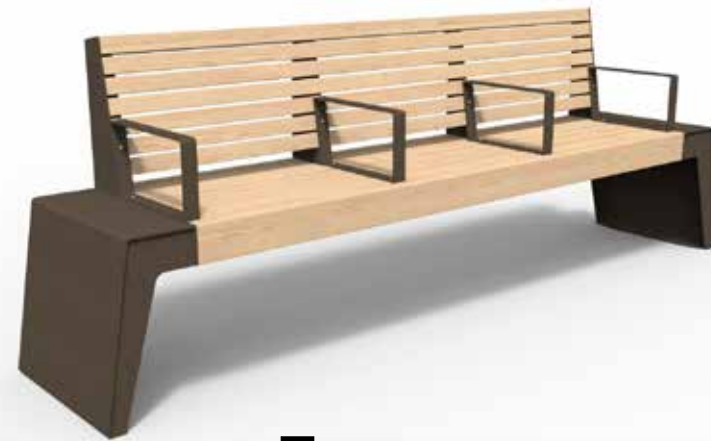


# Urbain® Collection

1



2



5



6



7



- 1. SEAT**  
L - 2400 mm, H - 845 mm, W - 500 mm
- 2. SEAT WITH ARMS**  
L - 2400 mm, H - 845 mm, W - 500 mm
- 3. BENCH**  
L - 2400 mm, H - 450 mm, W - 500 mm

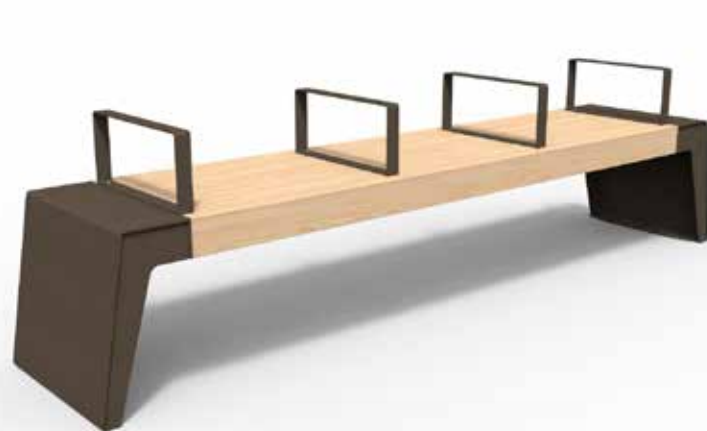
- 4. BENCH WITH ARMS**  
L - 2400 mm, H - 640 mm, W - 500 mm
- 5. SEAT WITH DOUBLE BACKREST**  
L - 2400 mm, H - 845 mm, W - 500 mm
- 6. SEAT WITH DOUBLE BACKREST AND ARMS**  
L - 2400 mm, H - 845 mm, W - 500 mm

- 7. SEAT WITH TWO SINGLE BACKRESTS**  
L - 2400 mm, H - 845 mm, W - 500 mm
- 8. SEAT WITH TWO SINGLE BACKRESTS & TABLE**  
L - 2400 mm, H - 845 mm, W - 500 mm
- 9. TABLE**  
L - 2400 mm, H - 750 mm, W - 500 mm

3



4



8



9



The design possibilities are endless with the Urbain® seating system.

Available in a range of standard configurations, Urbain® is also completely modular, offering unlimited flexibility.

Select from a choice of bench or seat legs and a range of backrests and customisable extras. Create shapes with 45°, 90° or end to end mild steel connectors, available in a selection of 7 colour variations to complement your scheme.

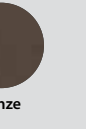


**MATERIALS/COLOURS\***

FSC®-certified Timber

Larch

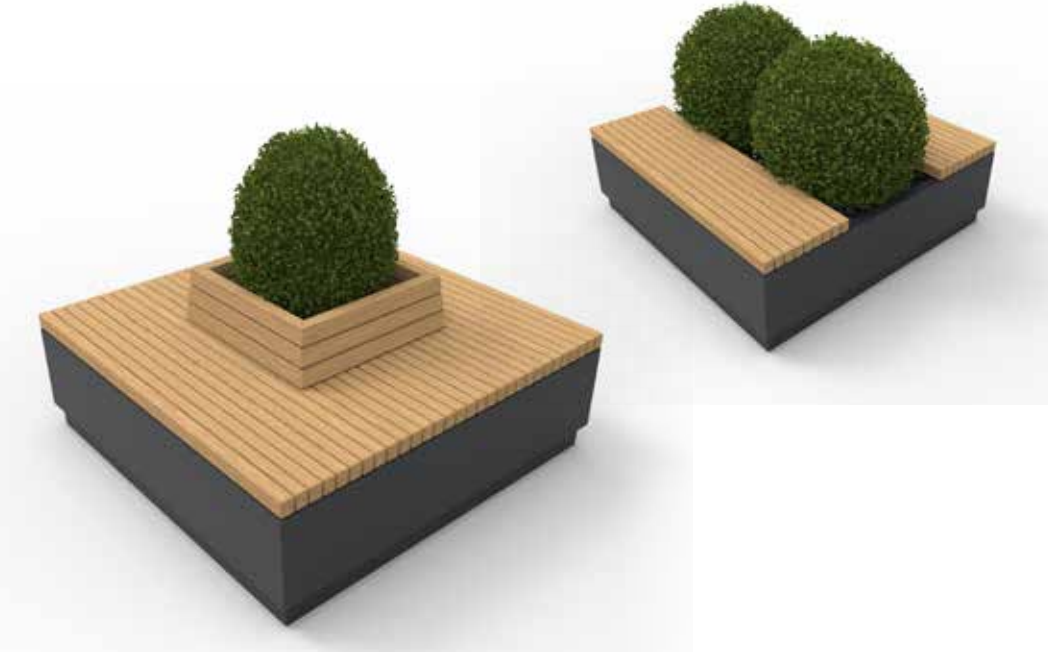
RAL Powder Coat





Mobile Gardens

MINI MOBILE GARDEN SEATING



Dimensions (mm)	1500 x 1500
Capacity (L)	407
Materials	Timber and powder coated steel
Finish options	Wood finish options
Extra features	With or without back rest

Different seating layouts available

MOBILE GARDEN SEATING



Dimensions (mm)	4080 x 4080
Capacity (L)	1020
Materials	Timber and powder coated steel
Finish options	Wood finish options
Extra features	With or without backrest





Planters

DEMETRA

ACQUARIO

CLASSICA

BOULEVARD

STRADA

NET



Height (mm)	470
Width x Length (mm)	600 x 1800
Capacity (L)	330
Materials	Precious stone or concrete
Options	Available as part of a range with complimentary products

Height (mm)	600
Width x Length (mm)	700 x 1980
Capacity (L)	483
Materials	Precious stone
Options	Eight colour options

Height (mm)	650
Width x Length/ø (mm)	1220/1620
Capacity (L)	300/600
Materials	Precious stone Concrete
Options	Two size options Eight colour options

Height (mm)	730
Width x Length/ø (mm)	1200
Materials	Concrete
Options	Height can be increased by adding extra rings A variety of shapes available

Height (mm)	500
Width x Length/ø (mm)	710
Materials	Concrete
Options	Available as square or circular planters

Height (mm)	820
Width x Length/ø (mm)	710
Capacity (L)	120
Materials	Precious stone



# DETER

## Planters

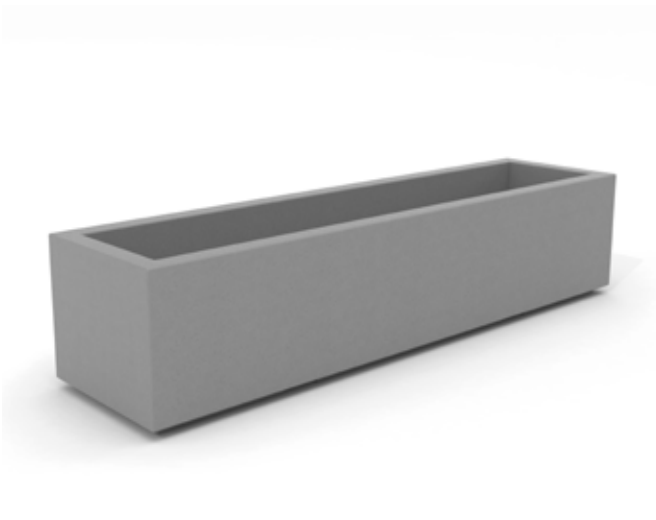
NIU



NIU OVAL



BOX



Height (mm)	400
Width x Length/ø (mm)	2370
Capacity (L)	315
Materials	Acid etched concrete

Height (mm)	380
Width x Length/ø (mm)	4260 x 2350
Capacity (L)	1214
Materials	Acid etched concrete

Height (mm)	500
Width x Length (mm)	450 x 2000
Capacity (L)	220
Materials	Concrete

OPTIMA



Height (mm)	620 / 620 / 920 / 960 / 1300
Width x Length (mm)	640 x 640 / 640 x1280 / 920 x 920 / 1100 x 1100 / 1400 x 1400
Capacity (L)	80 / 200 / 350 / 490 / 1080
Materials	Steel and FSC®-certified hardwood
Options	Steel - standard RAL, FSC®-certified hardwood - natural

ROOTS



Height (mm)	640 / 640 / 900 / 950 / 1200
Width x Length (mm)	640 x 640 / 640 x 1280 / 920 x 920 / 1100 x 1100 / 1400 x 1400
Capacity (L)	80 / 200 / 350 / 490 / 1080
Materials	Steel
Options	Laser cut

RENDEZVOUS



Height (mm)	930 / 1030
Width x Length (mm)	860 x 860 / 1080 x 1080
Capacity (L)	190 / 480
Materials	Steel and FSC®-certified hardwood with shade protection
Options	Two size options



Seating

LUNGO MARE  
BENCH



SLOPE  
BENCH



SIT  
SEAT



CLARITY  
BENCH



CLARITY CURVED  
BENCH



WING  
BENCH



Height (mm)	900
Width x Length (mm)	2000 x 4000
Materials	Concrete
Brand	Escofet

Height (mm)	580
Width x Length (mm)	1400 x 3250
Materials	Concrete
Brand	Escofet

Height (mm)	770
Width x Length (mm)	390 x 2200
Materials	Concrete
Brand	Escofet

Height (mm)	450
Width x Length (mm)	650 x 2000
Materials	Slim concrete
Brand	Bellitalia

Height (mm)	450
Width x Length (mm)	769 x 1940
Materials	Slim concrete
Brand	Bellitalia

Height (mm)	450
Width x Length (mm)	650 x 2411
Materials	Slim concrete
Brand	Bellitalia



Seating

WING DUO  
BENCH



WING WITH TIMBER  
BENCH



SPRING  
BENCH



Height (mm)	738
Width x Length (mm)	634 x 3756
Materials	Slim concrete
Brand	Bellitalia

Height (mm)	450
Width x Length (mm)	634 x 2114
Materials	Precious stone and timber
Brand	Bellitalia

Height (mm)	450
Width x Length (mm)	540 x 1990
Materials	Slim concrete
Brand	Bellitalia

SPRING  
SEAT



Height (mm)	847
Width x Length (mm)	450 x 449
Materials	Slim concrete
Brand	Bellitalia

SPRING  
STOOL



Height (mm)	450
Width x Length (mm)	450 x 449
Materials	Slim concrete
Brand	Bellitalia

ARROW  
BENCH

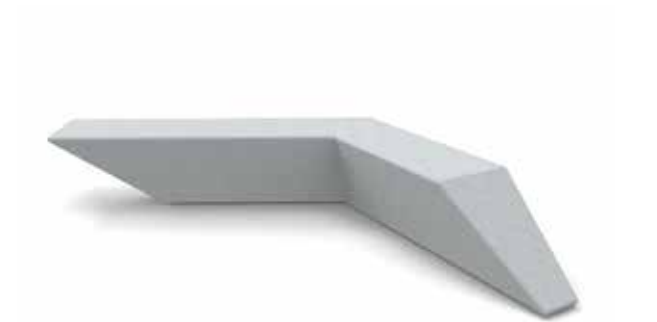


Height (mm)	400
Width x Length (mm)	1456 x 2550
Materials	Precious stone
Brand	Bellitalia



Seating

MILENIO  
BENCH



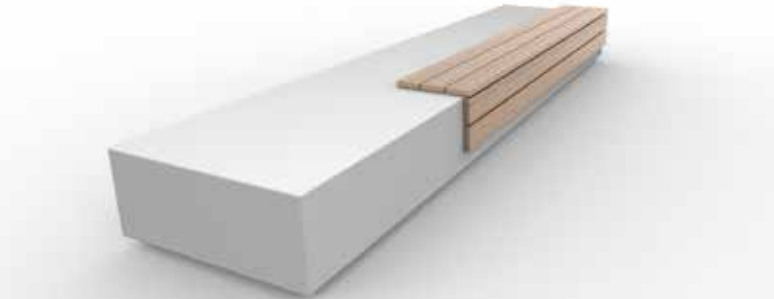
Height (mm)	450
Width x Length (mm)	1150 x 1890
Materials	Concrete
Brand	Escofet

PRIMA MARINA  
BENCH



Height (mm)	450
Width x Length (mm)	600 x 2200
Materials	Slim concrete and timber
Brand	Escofet

LONGO  
BENCH



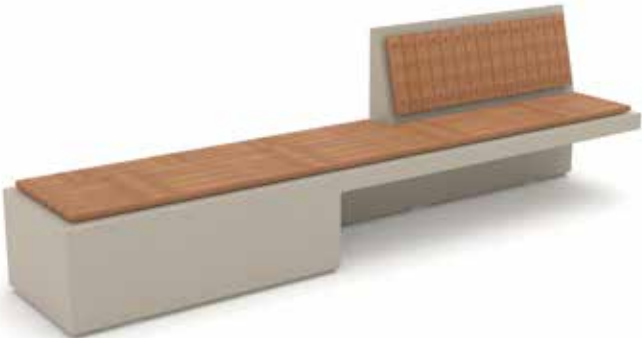
Height (mm)	450
Width x Length (mm)	1000 x 4000
Materials	Concrete and timber
Brand	Escofet

LONGO  
SEAT



Height (mm)	890
Width x Length (mm)	1000 x 4000
Materials	Concrete and timber
Brand	Escofet

EQUAL  
BENCH



Height (mm)	880
Width x Length (mm)	420 x 2980
Materials	Concrete and timber
Brand	Escofet

U-SHAPE BENCH  
BENCH



Height (mm)	480
Width x Length (mm)	600 x 2000
Materials	Concrete and timber
Brand	Escofet



Seating

IGNEO  
SEAT



IGNEO  
CHAIR



IGNEO  
STOOL



MAYO



BARANA



BS.1



Height (mm)	878
Width x Length (mm)	1115 x 3176
Materials	Concrete
Brand	Marshalls

Height (mm)	861
Width x Length (mm)	1059 x 1059
Materials	Concrete
Brand	Marshalls

Height (mm)	500
Width x Length (mm)	500 x 500
Materials	Concrete
Brand	Marshalls

Height (mm)	450
Width x Length (mm)	600 x 2200 / 860 x 2960
Materials	Concrete
Options	2 sizes available
Brand	Escofet

Height (mm)	500
Width x Length (mm)	800 x 2000
Materials	Concrete
Brand	Escofet

Height (mm)	420
Width x Length (mm)	500 x 1750
Materials	Concrete
Brand	Escofet



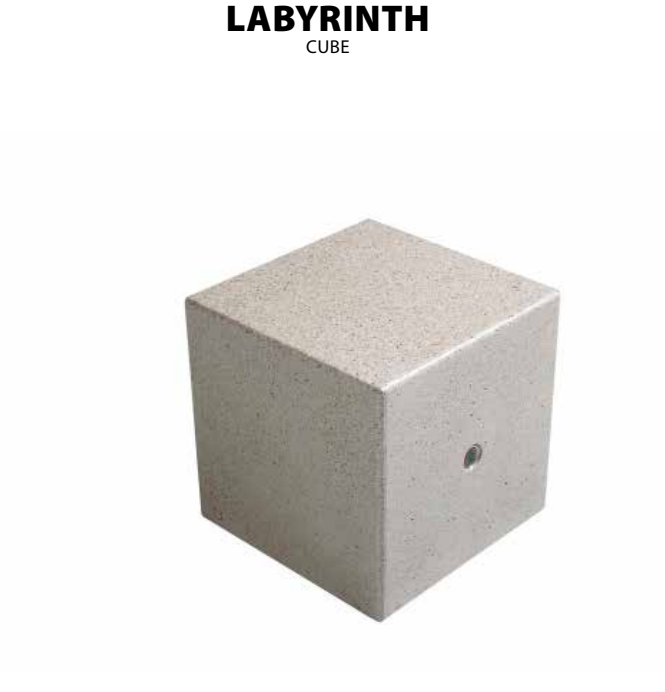
Seating



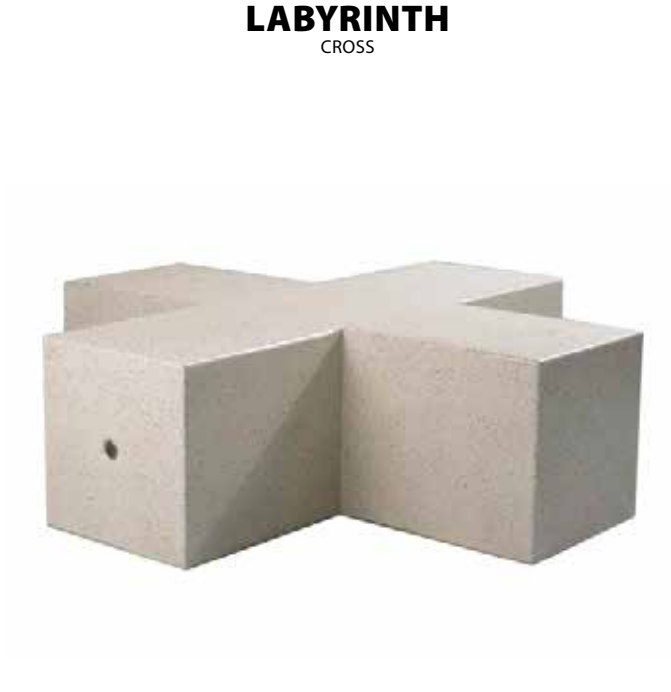
Height (mm)	420
Width x Length (mm)	860 x 2960
Materials	Concrete
Brand	Escofet



Height (mm)	450
Width x Length (mm)	450 x 1500
Materials	Precious stone
Brand	Bellitalia



Height (mm)	450
Width x Length (mm)	450 x 450
Materials	Precious stone
Brand	Bellitalia



Height (mm)	450
Width x Length (mm)	1500 x 1500
Materials	Precious stone
Brand	Bellitalia



Height (mm)	450
Width x Length (mm)	1500 x 1500
Materials	Precious stone
Brand	Bellitalia



Height (mm)	500
Width x Length (mm)	500 x 2000
Materials	Natural stone
Brand	Marshall's



Seating

STONELEMENTS  
BENCH



STONELEMENTS  
CURVED BENCH



STONELEMENTS  
SEAT



Height (mm)	450
Width x Length (mm)	600 x 2000
Materials	Natural stone
Brand	Marshalls

Height (mm)	450
Width x Length (mm)	770 x 2242
Materials	Natural stone
Brand	Marshalls

Height (mm)	700
Width x Length (mm)	600 x 2000
Materials	Natural stone
Brand	Marshalls

CODA  
SEAT



Height (mm)	880
Width x Length (mm)	496 x 1920
Materials	Concrete and timber
Options	Armrest is available
Brand	Marshalls

CODA  
BENCH



Height (mm)	690
Width x Length (mm)	496 x 1920
Materials	Concrete and timber
Options	Armrest is available
Brand	Marshalls





Seating

ERACLEA  
BENCH



ERACLEA WITH TIMBER  
BENCH



ERACLEA WITH DOUBLE TIMBER  
SEAT



ERACLEA WITH FULL TIMBER  
SEAT



ERACLEA GRES  
BENCH



VENEZIA  
BENCH



Height (mm)	450
Width x Length (mm)	610 x 2200
Materials	Precious stone
Brand	Bellitalia

Height (mm)	450
Width x Length (mm)	610 x 2200
Materials	Precious stone and timber
Brand	Bellitalia

Height (mm)	784
Width x Length (mm)	610 x 2200
Materials	Precious stone and timber
Brand	Bellitalia

Height (mm)	784
Width x Length (mm)	610 x 2200
Materials	Precious stone and timber
Brand	Bellitalia

Height (mm)	450
Width x Length (mm)	610 x 2200
Materials	Precious stone and porcelain
Brand	Bellitalia

Height (mm)	450
Width x Length (mm)	450 x 1900
Materials	Precious stone
Brand	Bellitalia



Seating

DEMETRA  
BENCH



Height (mm)	480
Width x Length (mm)	600 x 1800
Materials	Precious stone
Brand	Bellitalia

DEMETRA  
BENCH WITH INSERT



Height (mm)	480
Width x Length (mm)	600 x 1800
Materials	Precious stone and timber
Brand	Bellitalia

DEMETRA  
BENCH WITH SLATS



Height (mm)	480
Width x Length (mm)	600 x 1800
Materials	Precious stone and timber
Brand	Bellitalia

DEMETRA  
SEAT (NARROW SLATS)



Height (mm)	812
Width x Length (mm)	600 x 1800
Materials	Precious stone and timber
Brand	Bellitalia

DEMETRA  
CURVED LARGE BENCH



Height (mm)	480
Width x Length (mm)	742 x 1907
Materials	Precious stone
Brand	Bellitalia





# DETER

## Seating

**DEMETRA**  
CURVED SMALL BENCH



Height (mm)	480
Width x Length (mm)	775 x 1705
Materials	Precious stone
Brand	Bellitalia

**DEMETRA**  
Y BENCH



Height (mm)	480
Width x Length (mm)	1705 x 1764
Materials	Precious stone
Brand	Bellitalia

**DEMETRA**  
COMBINED SEAT AND PLANTER



Height (mm)	400
Width x Length (mm)	1664 x 2249
Materials	Precious stone and timber
Brand	Bellitalia

**METROLINIA**  
SEAT



Height (mm)	811
Width x Length (mm)	600 x 1200
Materials	Concrete and timber
Brand	Marshalls

**METROLINIA**  
BENCH



Height (mm)	450
Width x Length (mm)	600 x 1200
Materials	Concrete and timber
Brand	Marshalls

**METROLINIA**  
INTERMEDIATE BLOCK (600)



Height (mm)	456
Width x Length (mm)	600 x 600
Materials	Concrete
Brand	Marshalls



Seating

METROLINIA  
INTERMEDIATE BLOCK (1200)



METROLINIA  
RADIUS CORNER



LOCI  
BENCH



Height (mm)	456
Width x Length (mm)	600 x 1200
Materials	Concrete
Brand	Marshalls

Height (mm)	456
Width x Length (mm)	1200 x 1200
Materials	Concrete
Brand	Marshalls

Height (mm)	460
Width x Length (mm)	380 x 1600
Materials	Steel and timber
Brand	Marshalls

LOCI  
SEAT



Height (mm)	800
Width x Length (mm)	455 x 1600
Materials	Steel and timber
Brand	Marshalls

LOCI  
SINGLE SEAT



Height (mm)	800
Width x Length (mm)	455 x 600
Materials	Steel and timber
Brand	Marshalls

LOCI  
STOOL



Height (mm)	590
Width x Length (mm)	380 x 600
Materials	Steel and timber
Brand	Marshalls



# DETER

## Seating

**NOMO**  
CHAIR



**NOMO**  
SEAT



**OPTIMA**  
SEAT



Height (mm)	800
Width x Length (mm)	550 x 725
Materials	Steel and timber
Brand	Escofet

Height (mm)	800
Width x Length (mm)	550 x 1925
Materials	Steel and timber
Brand	Escofet

Height (mm)	812
Width x Length (mm)	571 x 1812 / 571 x 1912
Materials	Steel & FSC®-certified timber
Options	2 place / 3 place seat available
Brand	Sineu Graff

**OPTIMA**  
BENCH



Height (mm)	450
Width x Length (mm)	328 x 1812
Materials	Steel & FSC®-certified timber
Brand	Sineu Graff

**OPTIMA**  
CHAIR



Height (mm)	812
Width x Length (mm)	513 x 562
Materials	Steel & FSC®-certified timber
Brand	Sineu Graff

**WATERSIDE**  
SEAT



Height (mm)	871
Width x Length (mm)	888 x 2110
Materials	Ferrocast® and timber
Options	Armrest is available
Brand	Marshalls



Seating



Height (mm)	456
Width x Length (mm)	477 x 1752
Materials	Cast iron & FSC®-certified timber
Brand	Sineu Graff

Height (mm)	456
Width x Length (mm)	477 x 1202
Materials	Cast iron & FSC®-certified timber
Brand	Sineu Graff

Height (mm)	456
Width x Length (mm)	518 x 1838
Materials	Cast iron & FSC®-certified timber
Brand	Sineu Graff



Height (mm)	456
Width x Length (mm)	518 x 1323
Materials	Cast iron & FSC®-certified timber
Brand	Sineu Graff

Height (mm)	803
Width x Length (mm)	541 x 1752
Materials	Cast iron & FSC®-certified timber
Brand	Sineu Graff

Height (mm)	803
Width x Length (mm)	541 x 1202
Materials	Cast iron & FSC®-certified timber
Brand	Sineu Graff



Seating

TWIST  
CHAIR



TWIST  
BENCH AND CHAIR



TRAMET  
SEAT



TRAMET  
BENCH



PARKWAY  
SEAT



PARKWAY  
BENCH



Height (mm)	803
Width x Length (mm)	541 x 652
Materials	Cast iron & FSC®-certified timber
Brand	Sineu Graff

Height (mm)	803
Width x Length (mm)	541 x 1200
Materials	Cast iron & FSC®-certified timber
Brand	Sineu Graff

Height (mm)	840
Width x Length (mm)	570 x 2500
Materials	Steel and FSC®-certified timber
Brand	Escofet

Height (mm)	440
Width x Length (mm)	560 x 2500
Materials	Steel and FSC®-certified timber
Brand	Escofet

Height (mm)	972
Width x Length (mm)	635 x 1800
Materials	Ferrocast® and timber
Options	Arm rest is available
Brand	Marshall's

Height (mm)	482
Width x Length (mm)	537 x 1800
Materials	Ferrocast® and timber
Options	Arm rest is available
Brand	Marshall's



Seating

LINK  
2 PLACE BENCH



LINK  
3 PLACE BENCH



LINK  
2 PLACE SEAT



LINK  
3 PLACE SEAT



LINK  
PERCH SEAT



LINK  
STOOL



Height (mm)	430
Width x Length (mm)	420 x 1000
Materials	FSC®-certified timber and steel
Brand	Sineu Graff

Height (mm)	430
Width x Length (mm)	420 x 1500
Materials	FSC®-certified timber and steel
Brand	Sineu Graff

Height (mm)	430
Width x Length (mm)	490 x 1000
Materials	FSC®-certified timber and steel
Brand	Sineu Graff

Height (mm)	490
Width x Length (mm)	490 x 1500
Materials	FSC®-certified timber and steel
Brand	Sineu Graff

Height (mm)	880
Width x Length (mm)	420 x 468
Materials	FSC®-certified timber and steel
Brand	Sineu Graff

Height (mm)	430
Width x Length (mm)	420 x 435
Materials	FSC®-certified timber and steel
Brand	Sineu Graff



Seating

LINK  
LOUNGER



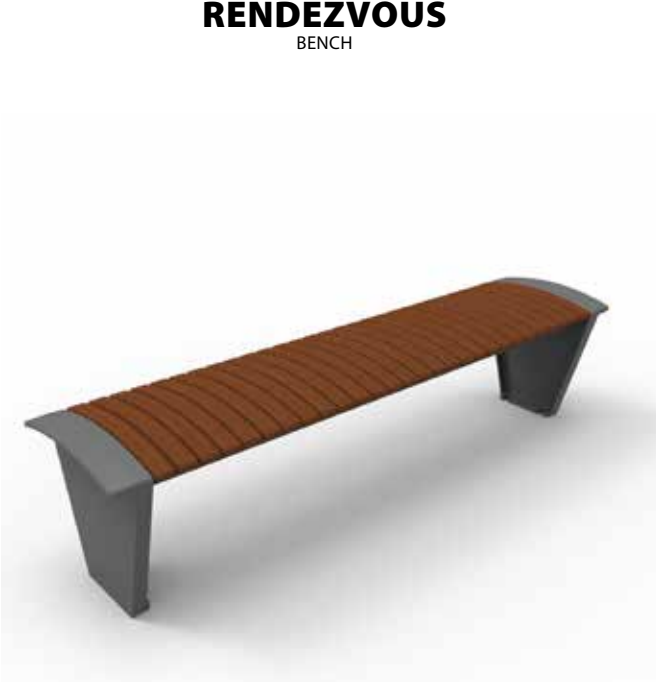
LINK  
BLANKET



RENDEZVOUS  
SEAT



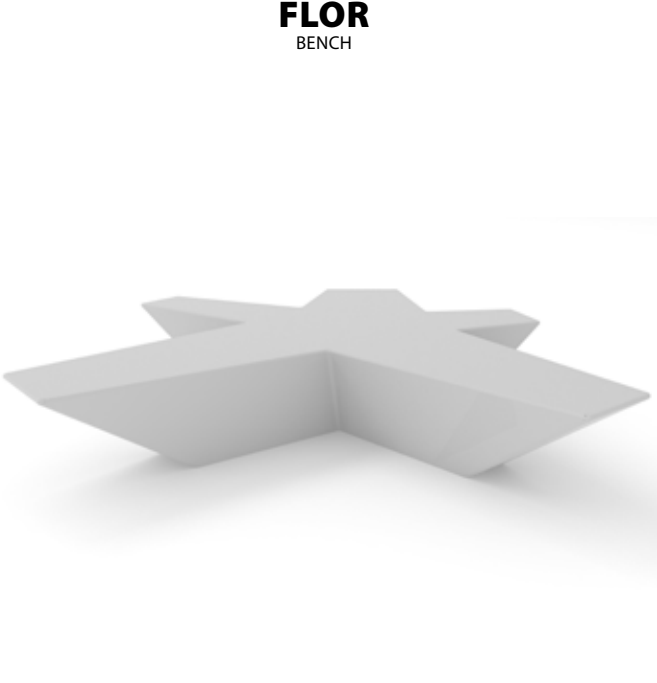
RENDEZVOUS  
BENCH



RENDEZVOUS  
CURVED BENCH



FLOR  
BENCH



Height (mm)	960
Width x Length (mm)	710 x 1820
Materials	FSC®-certified timber and steel
Brand	Sineu Graff

Height (mm)	375
Width x Length (mm)	2015 x 3200
Materials	FSC®-certified timber and steel
Brand	Sineu Graff

Height (mm)	420
Width x Length (mm)	440 x 1800
Materials	Cast iron & FSC®-certified timber
Brand	Sineu Graff

Height (mm)	420
Width x Length (mm)	440 x 1800
Materials	Cast iron & FSC®-certified timber
Brand	Sineu Graff

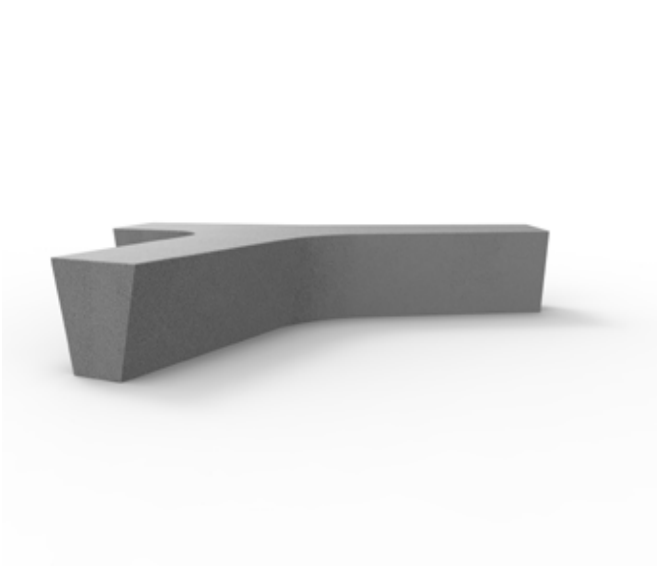
Height (mm)	445
Width x Length (mm)	584 x 1385
Materials	Cast iron & FSC®-certified timber
Brand	Sineu Graff

Height (mm)	420
Width x Length (mm)	2395 x 2662
Materials	Precious stone or white granite
Brand	Bellitalia



Seating

TWIG CONCRETE  
BENCH



Height (mm)	430
Width x Length (mm)	2370 x 1930
Materials	Concrete
Brand	Escofet

TWIG PLASTIC  
BENCH



Height (mm)	460
Width x Length (mm)	2370 x 1930
Materials	Plastic
Brand	Escofet

HERITAGE  
SEAT



Height (mm)	840
Width x Length (mm)	605 x 1800
Materials	Cast iron & timber
Brand	Marshalls

GEO  
SEAT



Height (mm)	768
Width x Length (mm)	525 x 1800
Materials	Stainless steel & timber
Options	Arm rest is available
Brand	Marshalls

GEO  
BENCH



Height (mm)	440
Width x Length (mm)	675 x 1800
Materials	Stainless steel & timber
Options	Arm rest is available
Brand	Marshalls

CONVERSATION  
LOUNGER



Height (mm)	878
Width x Length (mm)	650 x 1528
Materials	Cast iron & FSC®-certified timber
Brand	Sineu Graff



# DETER

## Seating

CONVERSATION  
SEAT



Height (mm)	878
Width x Length (mm)	852 x 1940
Materials	Cast iron & FSC®-certified timber
Brand	Sineu Graff

CONVERSATION  
BENCH



Height (mm)	405
Width x Length (mm)	390 x 1940 / 630 x 1940
Materials	Cast iron & FSC®-certified timber
Options	Slim / wide benches available
Brand	Sineu Graff

CONVERSATION  
BACK TO BACK SEAT



Height (mm)	878
Width x Length (mm)	1704 x 1940
Materials	Cast iron & FSC®-certified timber
Brand	Sineu Graff

MARSHALLS M3  
SEAT



Height (mm)	820
Width x Length (mm)	533 x 1800
Materials	Stainless steel
Brand	Marshalls

MARSHALLS M3  
CURVED SEAT



Height (mm)	825
Width x Length (mm)	519 x 2021
Materials	Stainless steel
Brand	Marshalls

MARSHALLS M3  
BACK TO BACK SEAT

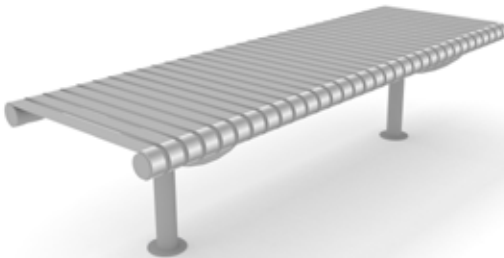


Height (mm)	820
Width x Length (mm)	1066 x 1800
Materials	Stainless steel
Brand	Marshalls



Seating

MARSHALLS M3  
BENCH



MARSHALLS M3  
CURVED BENCH



FESTIVAL  
SEAT



FESTIVAL  
CURVED SEAT



FESTIVAL  
BACK TO BACK SEAT



FESTIVAL  
BENCH



Height (mm)	450
Width x Length (mm)	525 x 1800
Materials	Stainless steel
Brand	Marshalls

Height (mm)	450
Width x Length (mm)	525 x 1800
Materials	Stainless steel
Brand	Marshalls

Height (mm)	820
Width x Length (mm)	533 x 1800
Materials	Steel
Options	Available in standard RAL colours
Brand	Marshalls

Height (mm)	820
Width x Length (mm)	535 x 2970
Materials	Steel
Options	Available in standard RAL colours
Brand	Marshalls

Height (mm)	820
Width x Length (mm)	1066 x 1800
Materials	Steel
Options	Available in standard RAL colours
Brand	Marshalls

Height (mm)	450
Width x Length (mm)	525 x 1800
Materials	Steel
Options	Available in standard RAL colours
Brand	Marshalls



Seating

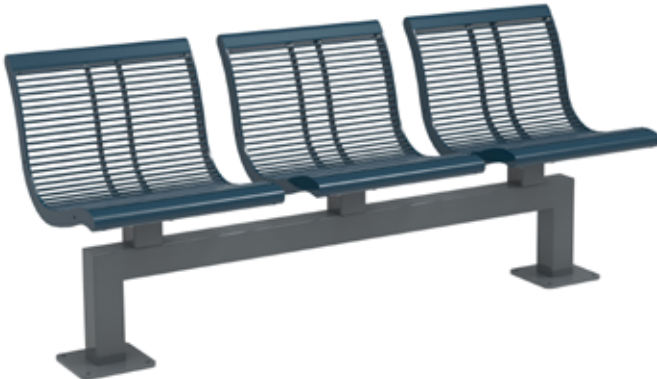
FESTIVAL  
CURVED BENCH



URBAN CITY  
PERCH SEAT



URBAN CITY  
3 PLACE BENCH



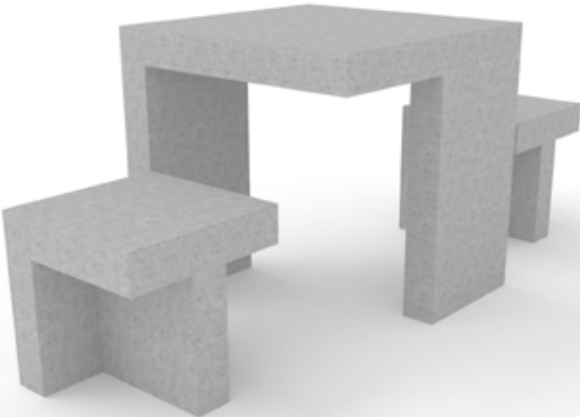
URBAN CITY  
2 PLACE BENCH



URBAN CITY  
SINGLE SEAT



PRAT  
STOOL



Height (mm)	450
Width x Length (mm)	525 x 2037
Materials	Steel
Options	Available in standard RAL colours
Brand	Marshalls

Height (mm)	905
Width x Length (mm)	290 x 1000
Materials	Steel or stainless steel
Brand	Sineu Graff

Height (mm)	765
Width x Length (mm)	570 x 1700
Materials	Steel or stainless steel
Brand	Sineu Graff

Height (mm)	765
Width x Length (mm)	570 x 1100
Materials	Steel or stainless steel
Brand	Sineu Graff

Height (mm)	765
Width x Length (mm)	570 x 500
Materials	Steel or stainless steel
Brand	Sineu Graff

Height (mm)	450
Width x Length (mm)	450 x 450
Materials	Concrete
Options	Table available
Brand	Escofet



Seating



Height (mm)	580
Width x Length (mm)	1017 x 1013
Materials	Concrete
Brand	Bellitalia



Height (mm)	830
Width x Length (mm)	845 x 828
Materials	Concrete
Brand	Bellitalia



Height (mm)	765
Width x Length (mm)	570 x 1820
Materials	Concrete
Brand	Bellitalia



Height (mm)	765
Width x Length (mm)	570 x 1100
Materials	Concrete
Brand	Bellitalia



Height (mm)	700
Width x Length (mm)	550 x 550
Materials	Concrete
Brand	Escofet



Height (mm)	450
Width x Length (mm)	500 x 500
Materials	Precious stone
Brand	Bellitalia

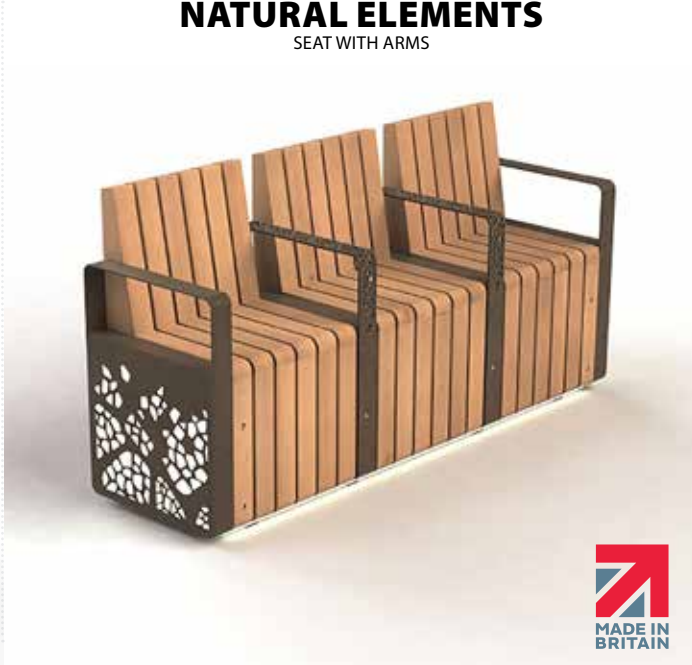


Seating

NATURAL ELEMENTS  
60° RADIUS CORNER



NATURAL ELEMENTS  
SEAT WITH ARMS



NATURAL ELEMENTS  
SEAT MODULE



Height (mm)	500
Width x Length (mm)	468 x 570
Materials	Steel & FSC®-certified timber
Options	Illuminated end panel available
Brand	Marshalls

Height (mm)	899
Width x Length (mm)	500 x 1790
Materials	Steel & FSC®-certified timber
Options	Illuminated end panel available
Brand	Marshalls

Height (mm)	899
Width x Length (mm)	500 x 1640
Materials	Steel & FSC®-certified timber
Brand	Marshalls

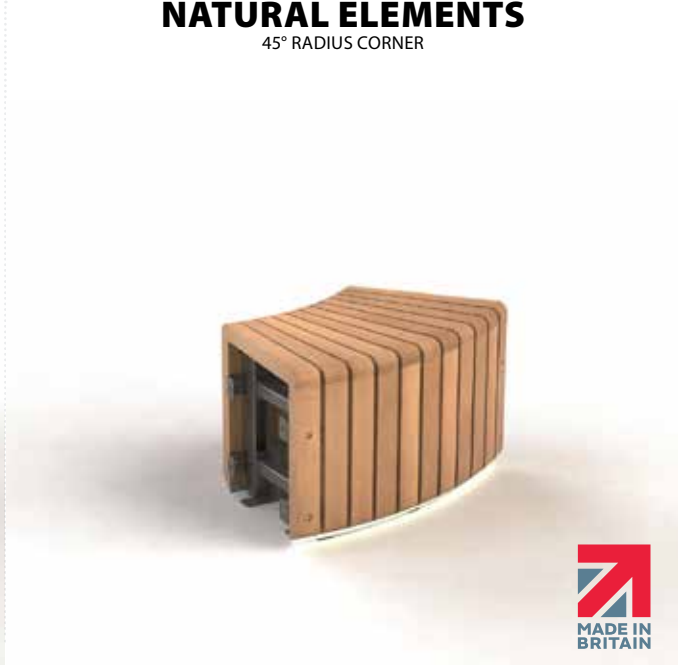
NATURAL ELEMENTS  
CONCAVE BENCH



NATURAL ELEMENTS  
CONVEX BENCH MODULE



NATURAL ELEMENTS  
45° RADIUS CORNER



Height (mm)	450 - 500
Width x Length (mm)	500 x 1640
Materials	Steel & FSC®-certified timber
Options	Illuminated end panel available
Brand	Marshalls

Height (mm)	500 - 550
Width x Length (mm)	500 x 1640
Materials	Steel & FSC®-certified timber
Brand	Marshalls

Height (mm)	500
Width x Length (mm)	500 x 881
Materials	Steel & FSC®-certified timber
Brand	Marshalls



Seating

ELITE  
SEAT



ELITE  
CHAIR



STRATIC  
SEAT



STRATIC  
BENCH



IDYLLE  
SEAT



IDYLLE  
CHAIR



Height (mm)	810
Width x Length (mm)	610 x 1220 / 610 x 1770
Materials	Cast iron & FSC®-certified timber
Options	2 place / 3 place seat available
Brand	Sineu Graff

Height (mm)	810
Width x Length (mm)	610 x 670
Materials	Cast iron & FSC®-certified timber
Brand	Sineu Graff

Height (mm)	767
Width x Length (mm)	450 x 2012
Materials	Cast aluminium & timber
Brand	Marshalls

Height (mm)	637
Width x Length (mm)	450 x 2012
Materials	Cast aluminium & timber
Brand	Marshalls

Height (mm)	825
Width x Length (mm)	710 x 1780
Materials	Cast iron & FSC®-certified timber
Brand	Sineu Graff

Height (mm)	810
Width x Length (mm)	635 x 715
Materials	Cast iron & FSC®-certified timber
Brand	Sineu Graff



Seating

IDYLLE  
WIDE BENCH



IDYLLE  
SLIM BENCH



IDYLLE  
CURVED BENCH



IDYLLE  
CURVED BENCH WITH BACKREST



URBAIN®  
SEAT



URBAIN®  
SEAT WITH ARMS



Height (mm)	450	Height (mm)	450	Height (mm)	448
Width x Length (mm)	690 x 1780	Width x Length (mm)	365 x 1780	Width x Length (mm)	552 x 1768
Materials	Cast iron & FSC®-certified timber	Materials	Cast iron & FSC®-certified timber	Materials	Cast iron & FSC®-certified timber
Brand	Sineu Graff	Brand	Sineu Graff	Brand	Sineu Graff

Height (mm)	688	Height (mm)	845	Height (mm)	845
Width x Length (mm)	553 x 1768	Width x Length (mm)	500 x 2400	Width x Length (mm)	500 x 2400
Materials	Cast iron & FSC®-certified timber	Materials	Mild steel & FSC®-certified softwood	Materials	Mild steel & FSC®-certified softwood
Brand	Sineu Graff	Brand	Marshalls	Brand	Marshalls



Seating



Height (mm)	450
Width x Length (mm)	500 x 2400
Materials	Mild steel & FSC®-certified softwood
Brand	Marshalls



Height (mm)	640
Width x Length (mm)	500 x 2400
Materials	Mild steel & FSC®-certified softwood
Brand	Marshalls



Height (mm)	845
Width x Length (mm)	500 x 2400
Materials	Mild steel & FSC®-certified softwood
Brand	Marshalls



Height (mm)	845
Width x Length (mm)	500 x 2400
Materials	Mild steel & FSC®-certified softwood
Brand	Marshalls



Height (mm)	845
Width x Length (mm)	500 x 2400
Materials	Mild steel & FSC®-certified softwood
Brand	Marshalls



Height (mm)	845
Width x Length (mm)	500 x 2400
Materials	Mild steel & FSC®-certified softwood
Brand	Marshalls



Seating

RUBBER  
BENCH



RUBBER  
CHAIR



CONFORT  
CHAIR



CONFORT  
THREE PLACE SEAT



CONFORT  
TWO PLACE SEAT



METROPOLIS  
SEAT



Height (mm)	822
Width x Length (mm)	788 x 1500
Materials	Reinforced rubber & steel
Brand	Sineu Graff

Height (mm)	710
Width x Length (mm)	845 x 1030
Materials	Reinforced rubber & steel
Brand	Sineu Graff

Height (mm)	796
Width x Length (mm)	570 x 600
Materials	Mild steel & FSC®-certified timber
Brand	Sineu Graff

Height (mm)	796
Width x Length (mm)	570 x 1800
Materials	Mild steel & FSC®-certified timber
Brand	Sineu Graff

Height (mm)	796
Width x Length (mm)	570 x 1200
Materials	Mild steel & FSC®-certified timber
Brand	Sineu Graff

Height (mm)	744
Width x Length (mm)	625 x 1942
Materials	Mild steel & FSC®-certified timber
Brand	Sineu Graff



Seating

CENTAURE  
SEAT



AFFINITÉ  
STOOL



AFFINITÉ  
CURVED THREE PLACE BENCH



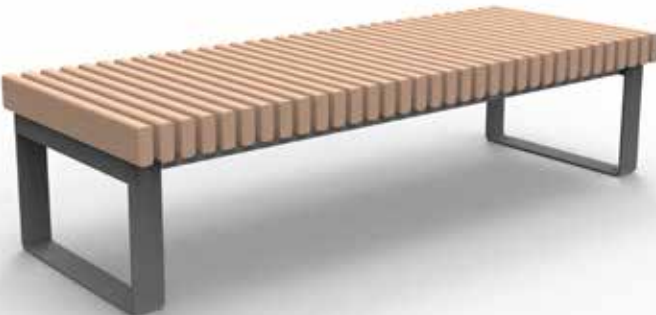
AFFINITÉ  
CURVED THREE PLACE BENCH WITH BACKREST



AFFINITÉ  
CURVED THREE PLACE BENCH WITH BACKREST



AFFINITÉ  
WIDE THREE PLACE BENCH



Height (mm)	738
Width x Length (mm)	615 x 1961
Materials	Cast iron & FSC®-certified timber
Brand	Sineu Graff

Height (mm)	450
Width x Length (mm)	462 x 466
Materials	FSC®-certified hardwood & steel
Brand	Sineu Graff

Height (mm)	450
Width x Length (mm)	518 x 1569
Materials	FSC®-certified hardwood & steel
Brand	Sineu Graff

Height (mm)	766
Width x Length (mm)	564 x 1569
Materials	FSC®-certified hardwood & steel
Brand	Sineu Graff

Height (mm)	766
Width x Length (mm)	564 x 1569
Materials	FSC®-certified hardwood & steel
Brand	Sineu Graff

Height (mm)	450
Width x Length (mm)	674 x 1800
Materials	FSC®-certified hardwood & steel
Brand	Sineu Graff



Seating



Height (mm)	450
Width x Length (mm)	462 x 1213
Materials	FSC®-certified hardwood & steel
Brand	Sineu Graff



Height (mm)	450
Width x Length (mm)	462 x 1800
Materials	FSC®-certified hardwood & steel
Brand	Sineu Graff



Height (mm)	845
Width x Length (mm)	500 x 2400
Materials	Zinc plated steel & UHPC concrete
Brand	Escofet



Height (mm)	822
Width x Length (mm)	788 x 1500
Materials	Zinc plated steel & UHPC concrete
Brand	Escofet



Height (mm)	710
Width x Length (mm)	845 x 1030
Materials	Concrete
Brand	Escofet

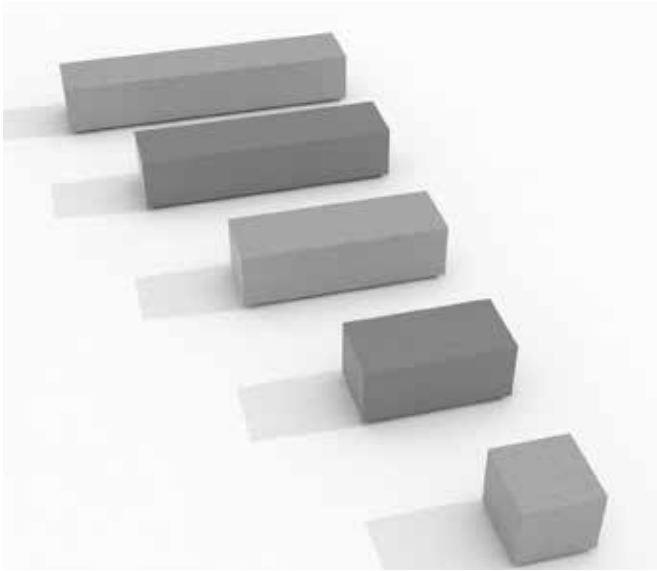


Height (mm)	845
Width x Length (mm)	500 x 2400
Materials	Concrete
Brand	Escofet

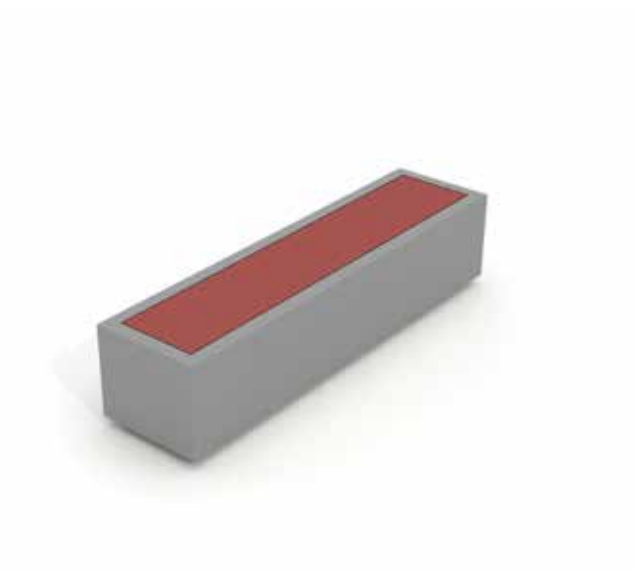


## Seating

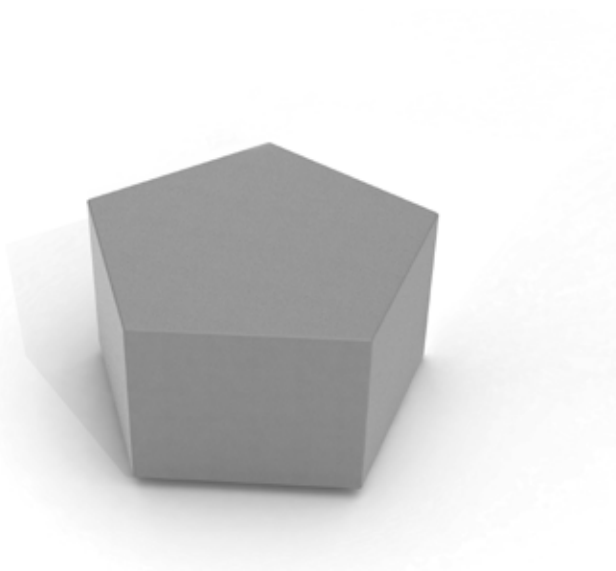
**BOX**  
BENCH



**BOX 200**  
BENCH



**BOX NEXUS**  
BENCH



Height (mm)	450
Width x Length (mm)	500 x 500 / 1000 / 1500 / 2000 / 2500
Materials	Concrete
Brand	Escofet

Height (mm)	450
Width x Length (mm)	760 x 810
Materials	Concrete and larch/HPL
Brand	Escofet

Height (mm)	450
Width x Length (mm)	760 x 810
Materials	Concrete
Brand	Escofet



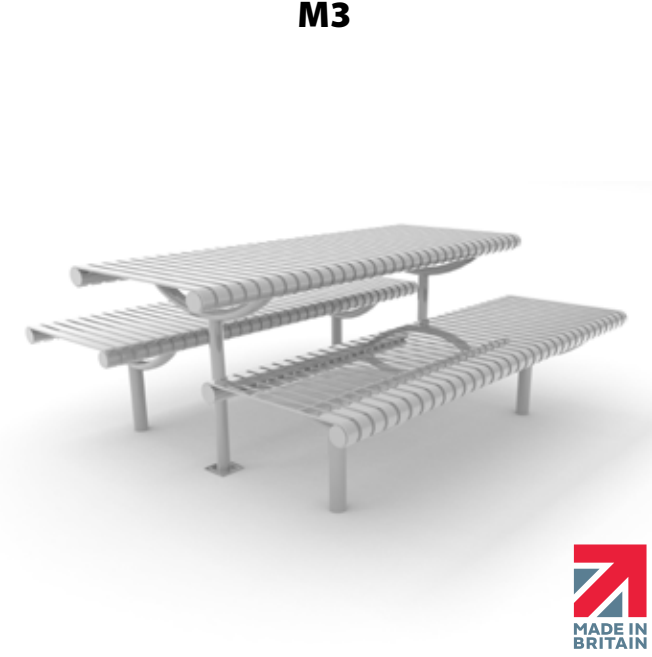


Tables

LOCI



M3



FESTIVAL



Height (mm)	760
Width x Length (mm)	745 x 1600
Materials	Ferrocast® and Timber
Brand	Marshall's

Height (mm)	750
Width x Length (mm)	700 x 1800
Materials	Stainless steel
Brand	Marshall's

Height (mm)	750
Width x Length (mm)	700 x 1800
Materials	Mild steel
Brand	Marshall's

LINK



LINK LOW



LINK PERCH SEAT AND HIGH TABLE



Height (mm)	735
Width x Length (mm)	855 x 2000
Materials	FSC®-certified timber & steel
Brand	Sineu Graff

Height (mm)	370
Width x Length (mm)	850 x 850
Materials	FSC®-certified timber & steel
Brand	Sineu Graff

Height (mm)	1100
Width x Length (mm)	435 x 435
Perch seat dimensions	H 880, W 420 x L 268
Materials	FSC®-certified timber & steel
Brand	Sineu Graff



Tables

LINK SIDE TABLE



RENDEZVOUS



SPRING



TRAMET



PRIMA MARINA



TWIST



Height (mm)	710
Width x Length (mm)	260 x 420
Materials	FSC®-certified timber
Brand	Sineu Graff

Height (mm)	718
Width x Length (mm)	928 x 1775
Materials	FSC®-certified timber & cast iron
Brand	Sineu Graff

Height (mm)	750
Width x Length (mm)	900 x 2250
Materials	Ultratense Concrete®
Brand	Bellitalia

Height (mm)	800
Width x Length (mm)	914 x 2500
Materials	Timber & steel
Brand	Escofet

Height (mm)	750
Width x Length (mm)	900 x 2200
Materials	Slimline™ Concrete & timber
Brand	Escofet

Height (mm)	456
Width x Length (mm)	477 x 652
Materials	FSC®-certified timber & cast iron
Brand	Sineu Graff



Tables

TWIST CURVED TABLE



URBAIN®



CODA



OPTIMA



FRUITS



Height (mm)	456
Width x Length (mm)	517 x 857
Materials	FSC®-certified timber & cast iron
Brand	Sineu Graff

Height (mm)	750
Width x Length (mm)	2400 x 500
Materials	FSC®-certified timber & mild steel
Brand	Marshalls

Height (mm)	700
Width x Length (mm)	596 x 1920
Materials	Concrete & timber
Brand	Marshalls

Height (mm)	700
Width x Length (mm)	832 x 1816
Materials	Steel & FSC®-certified timber
Brand	Sineu Graff

Height (mm)	700
Diameter (mm)	800
Materials	FSC®-certified timber & cast iron
Brand	Sineu Graff





Litter Bins

ACADEMY



Dimensions (mm)	780(h) x 400 (ø)
Capacity (L)	50
Materials	RAL coated mild steel or Stainless Steel
Extra features	Root fix or surface mount

ALBION CIRCULAR



Dimensions (mm)	1228(h) x 566 (ø)
Capacity (L)	130
Materials	Steel
Finish options	Jet Black RAL 9005
Extra features	Bespoke branding, Ashtray, other RAL colours available as extra

ALBION SLIMLINE



Dimensions (mm)	1010(h) x 550 / 780 (l)
Capacity (L)	90 / 160
Materials	Stainless Steel
Extra features	Single or double bins available

ALBION SQUARE



Dimensions (mm)	1010(h) x 555(l)
Capacity (L)	120
Materials	Steel
Finish options	Jet Black RAL 9005

BOULEVARD



Dimensions (mm)	1000(h) x 500(ø)
Capacity (L)	43
Materials	Concrete
Finish options	Choice of colours and finishes
Extra features	Lid available

CLASSIC ROUND



Dimensions (mm)	810(h) or 912(h) x 420(ø)
Capacity (L)	48 or 58
Materials	Steel & Hardwood
Finish options	Powder coated steel options
Extra features	Two sizes available

CLASSIC SQUARE



Dimensions (mm)	630(h) x 360 x 360 or 710(h) x 392 x 392
Capacity (L)	42 or 59
Materials	Steel & Hardwood
Finish options	Powder coated steel options
Extra features	Two sizes available

CONSORT PLASTIC



Dimensions (mm)	810(h) x 500(ø)
Capacity (L)	100
Materials	Medium Density Polyethylene
Finish options	Any standard colour
Extra features	Stubber plate or Plastic Liner



CONTEMPORARY  
TOP APERTURE  
(Empty via front)



CONTEMPORARY  
FRONT APERTURE  
(Empty via top)



CONTEMPORARY  
TOP APERTURE  
(Empty via top)



CONTEMPORARY  
SEMI CIRCULAR



CONTEMPORARY  
SLOPING LID



DIAMOND POINT



EASY  
WALL MOUNTED, FRONT COLLECTION



EASY  
iJUMBO COMPATIBLE



Dimensions (mm)	880(h) x 420(ø)
Capacity (L)	70
Materials	Steel or stainless steel
Finish options	A range of colour and finish options
Extra features	Stainless steel liner as standard

Dimensions (mm)	730(h) x 500(ø)
Capacity (L)	40
Materials	Steel or stainless steel
Finish options	A range of colour and finish options
Extra features	Stainless steel liner and ashtray as standard

Dimensions (mm)	780(h) x 500(ø)
Capacity (L)	70
Materials	Steel or stainless steel
Finish options	A range of colour and finish options
Extra features	Standard: Stainless steel liner. Extra: ashtray & bin liner holder

Dimensions (mm)	780(h) x 360(d) x 500(w)
Capacity (L)	50
Materials	Steel or stainless steel
Finish options	A range of colour and finish options
Extra features	Standard: Stainless steel liner. Extra: ashtray & bin liner holder

Dimensions (mm)	1010(h) x 450(ø)
Capacity (L)	85
Materials	Steel or stainless steel
Finish options	A range of colour and finish options
Extra features	Buffered lid closure Closing is automatic

Dimensions (mm)	770(h) x 420(ø)
Capacity (L)	65
Materials	Steel & Stainless Steel
Finish options	Diamond point embossed sheet metal
Extra features	8 options available

Dimensions (mm)	843 (h) x 357(d) x 471 (w)
Capacity (L)	110
Materials	Body, lid, stripe: Zinc and powder coated steel Cigarette snuffer: Stainless steel

Dimensions (mm)	475(ø) x 840 (h)
Capacity (L)	110
Materials	Body, lid, stripe: Zinc and powder coated steel Cigarette snuffer: Stainless steel



EASY  
TOP COLLECTION



EASY  
DOUBLE STREAM



FESTIVAL



GEO



HERITAGE CAST IRON



HERITAGE ROUND



HERITAGE SQUARE



LAUREL & HARDY



Dimensions (mm)	828(h) x 495(d) x 470(w)
Capacity (L)	110
Materials	Body, lid, stripe: Zinc and powder coated steel Cigarette snuffer: Stainless steel

Dimensions (mm)	845(h) x 475(d) x 810(w)
Capacity (L)	2 x 110
Materials	Body, lid, stripe: Zinc and powder coated steel Cigarette snuffer: Stainless steel

Dimensions (mm)	651(h), 577(ø) / 859(h), 630(ø)
Capacity (L)	90 / 110
Materials	Steel
Finish options	Powder coated steel options
Extra features	4 options available

Dimensions (mm)	1087(h) x 500(ø)
Capacity (L)	70
Materials	Stainless steel
Finish options	Bead blast

Dimensions (mm)	950(h) x 415(ø)
Capacity (L)	85
Materials	Cast iron
Finish options	Jet black RAL 9005 coated
Extra features	Lid & Contrast colour lettering

Dimensions (mm)	1071(h) x 570(ø)
Capacity (L)	100
Materials	Medium Density Polyethylene (MDPE)
Finish options	A range of colour options
Extra features	Gold bands as standard, Stubber plate and plastic liner available as extra

Dimensions (mm)	1220(h) x 615(d) x 615(w)
Capacity (L)	100
Materials	MDPE
Finish options	A range of colour options
Extra features	Gold bands and ballast cartridge as standard, stubber plate and plastic liner available as extra

Dimensions (mm)	960(h) x 480(ø)
Capacity (L)	70
Materials	Cast stone
Finish options	Available in two finishes
Extra features	Litter bin and ashtray



LINK



LOCI



M3



MONARCH



NATURAL ELEMENTS®



PEDRETA



PEGASO



PIONEER



Dimensions (mm)	860(h) x 450(d) x 450(w)
Capacity (L)	80
Materials	Galvanised steel & Ash timber
Extra features	Co-ordinating furniture range

Dimensions (mm)	1100(h) x 525(d) x 420(w)
Capacity (L)	80
Materials	Steel
Finish options	Powder coated steel options
Extra features	Optional ash & gum tray

Dimensions (mm)	793(h) x 558(ø) / 859(h) x 630(ø)
Capacity (L)	40 / 85 / 110
Materials	Satin polished stainless steel
Extra features	40 Litre option available as flat top or flared top.

Dimensions (mm)	1075(h) x 560(ø)
Capacity (L)	85
Materials	Medium Density Polyethylene
Finish options	Range of colours
Extra features	Refuse sack holder and ballast cartridge available as extra

Dimensions (mm)	1040 (h) 600(d) x 480(w)
Capacity (L)	90
Materials	Steel and timber
Finish options	Two timber options available
Extra features	Ash tray Double aperture

Dimensions (mm)	820(h) x 750(d) x 600(w)
Capacity (L)	50
Materials	Acid-etched cast stone
Finish options	Various colours available

Dimensions (mm)	H 1200
Capacity (L)	104
Materials	Precious stone aggregates
Finish options	Various colours available
Extra features	Hood and ash tray available

Dimensions (mm)	1170(h) x 680(ø)
Capacity (L)	130
Materials	Medium Density Polyethylene
Finish options	A range of RAL colour options
Extra features	Ashtray and gold bands available



# DETER

PLAZA



Dimensions (mm)	760(h) x 600(d) x 380(w)
Capacity (L)	120
Materials	Powder coated steel & Iroko timber
Finish options	Powder coated
Extra features	Co-ordinating furniture range

REGENT



Dimensions (mm)	525(h) x 390(w)/ 645(h) x 425(w)
Capacity (L)	30/50
Materials	Medium Density Polyethylene
Finish options	Range of colours
Extra features	Dog litter bin option

RENDEZVOUS



Dimensions (mm)	820(h) x 490(ø)
Capacity (L)	55
Materials	Cast Iron and hardwood
Finish options	Timber finish options
Extra features	Surface or ground fixed

SOCRATES



Dimensions (mm)	460 (h)/ 700 (h)
Capacity (L)	30
Materials	Acid-etched cast stone
Finish options	Two colour options
Extra features	Two sizes

SPRING



Dimensions (mm)	969(h) x 550(d) x 550(w)
Capacity (L)	60
Materials	Concrete
Finish options	Two colour options
Extra features	Co-ordinating furniture range

STRADA



Dimensions (mm)	1000(h) x 500(ø)
Capacity (L)	43
Materials	Concrete
Finish options	Exposed silver grey
Extra features	Open top, rain shield, wire metal basket, polythene liner available

STRATIC



Dimensions (mm)	1100(h) 500(d) x 450(w)
Capacity (L)	85
Materials	Stainless steel and timber
Finish options	Two colourways
Extra features	Mixed recycling option

WATERSIDE



Dimensions (mm)	1015(h) x 450(d) x 850(w)
Capacity (L)	130
Materials	Ferrocast®
Finish options	A range of colour options
Extra features	Single aperture

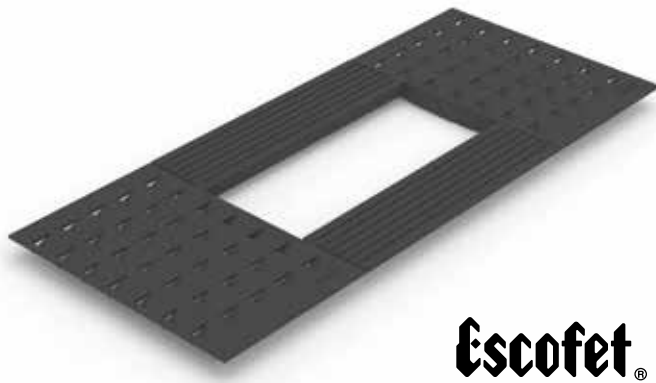


## Tree Grilles

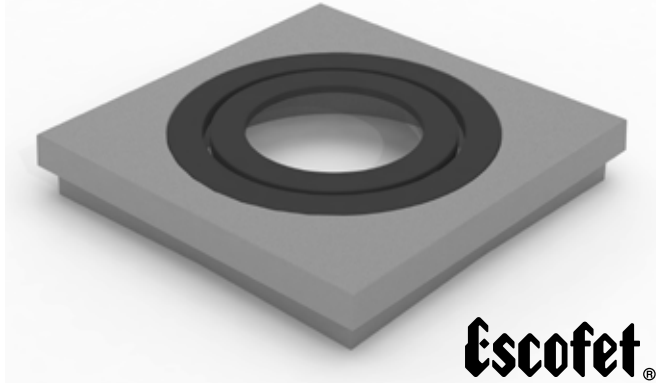
SPRING ROUND



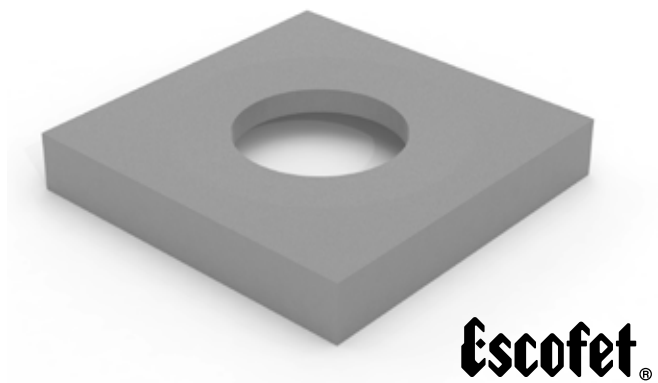
YARG



CARMEL



ICARIA



Dimensions (mm)	1452(ø)
Central aperture (mm)	400(ø)
Materials	Ultratense Concrete (UTC)
Finish options	Two colour options

Dimensions (mm)	1800(w) x 800(d)
Central aperture (mm)	710(w) x 330(d)
Materials	Cast aluminium and galvanised steel
Finish options	Forge black as standard
Extra features	Embedded at paving level

Dimensions (mm)	From 1000 x1000 to 1600 x 1600 (square) 960mm to 360mm ø (circular)
Central aperture (mm)	From 530 (ø) to 1360 (ø)
Materials	Cast aluminium (circular) Cast stone surround (square)
Finish options	Zinc plated & oxidized (circular) Acid etched (square)

Dimensions (mm)	120(w) x 120(d)
Central aperture (mm)	550 (ø)
Materials	Acid-etched cast stone
Finish options	Two colour options
Extra features	Bevelled to aid irrigation Embedded at paving level





Tree Grilles

CAST IRON 58 SERIES



Dimensions (mm)	700, 1000, 1200, 1400, 1800
Central aperture (mm)	700, 1000 & 1200 (400ø), 1400 & 1800 (600ø)
Materials	Cast iron
Finish	Black RAL 9005

CAST IRON 59 SERIES



Dimensions (mm)	1000, 1200
Central aperture (mm)	600ø
Materials	Cast iron
Finish	Black RAL 9005

CAST IRON 60 SERIES



Dimensions (mm)	1000, 1200, 1400
Central aperture (mm)	1000 & 1200 (400ø), 1400 (600ø)
Materials	Cast iron
Finish	Black RAL 9005

CAST IRON 61 SERIES



Dimensions (mm)	1000, 1200, 1400
Central aperture (mm)	1000 & 1200 (400ø), 1400 (600ø)
Materials	Cast iron
Finish	Black RAL 9005

CAST IRON 63 SERIES



Dimensions (mm)	1200, 1400
Central aperture (mm)	1200 (400ø), 1400 (600ø)
Materials	Cast iron
Finish	Black RAL 9005

CAST IRON 64 SERIES



Dimensions (mm)	1200, 1400
Central aperture (mm)	1200 (400ø), 1400 (600ø)
Materials	Cast iron
Finish	Black RAL 9005

CAST IRON 65 SERIES



Dimensions (mm)	1000, 1200, 1400
Central aperture (mm)	1000 & 1200 (400ø), 1400 (600ø)
Materials	Cast iron
Finish	Black RAL 9005

CAST IRON 66 SERIES



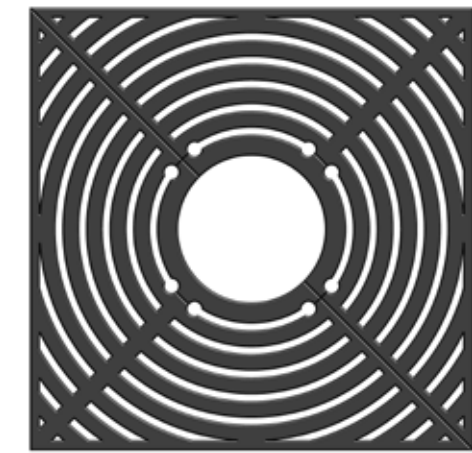
Dimensions (mm)	1000, 1200, 1400
Central aperture (mm)	1000 & 1200 (400ø), 1400 (600ø)
Materials	Cast iron
Finish	Black RAL 9005



# DETER

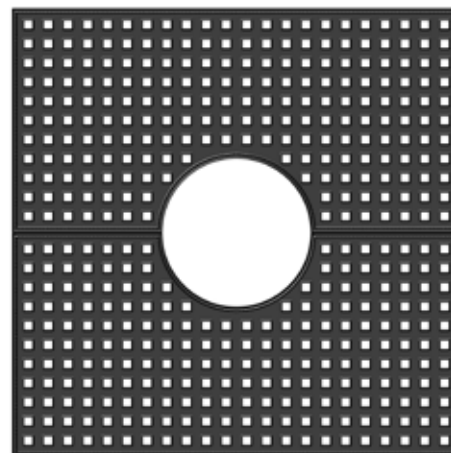
## Tree Grilles

FERROCAST® PARK LANE



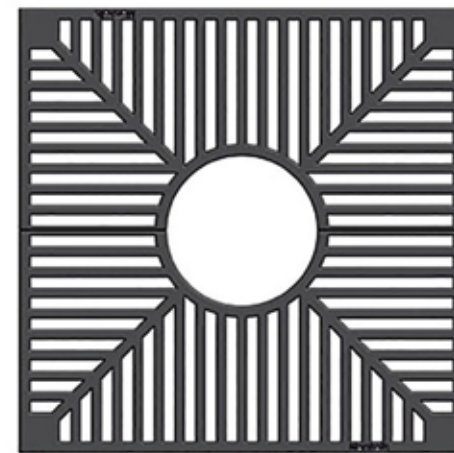
Dimensions (mm)	1000, 1200, 1400, 1800
Central aperture (mm)	700,1000 & 1200 (400ø) 1400 & 1800 (600ø)
Materials	Ferrocasterpolyurethane
Finish	Black RAL 9005

FERROCAST® 58P SERIES



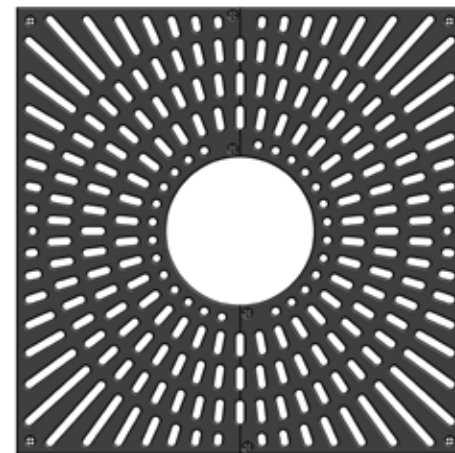
Dimensions (mm)	700, 1000, 1200, 1400
Central aperture (mm)	700,1000 & 1200 (400ø), 1400 & 1800 (600ø)
Materials	Ferrocasterpolyurethane
Finish	Black RAL 9005

FERROCAST® 59P SERIES



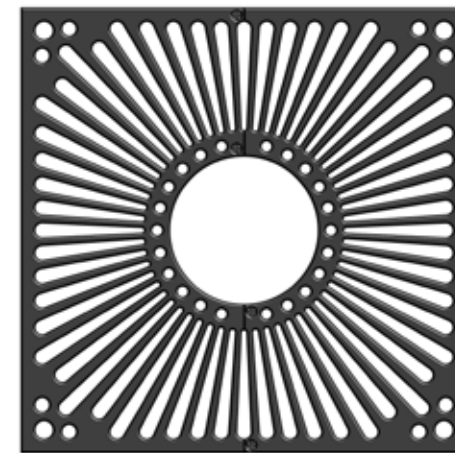
Dimensions (mm)	1000, 1200, 1400
Central aperture (mm)	1000 & 1200 (400ø), 1400 (600ø)
Materials	Ferrocasterpolyurethane
Finish	Black RAL 9005

FERROCAST® 61P SERIES



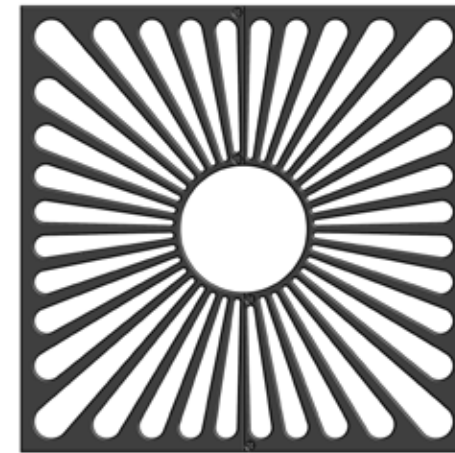
Dimensions (mm)	1000, 1200, 1400
Central aperture (mm)	1000 & 1200 (400ø), 1400 (600ø)
Materials	Ferrocasterpolyurethane
Finish	Black RAL 9005

FERROCAST® 65P SERIES



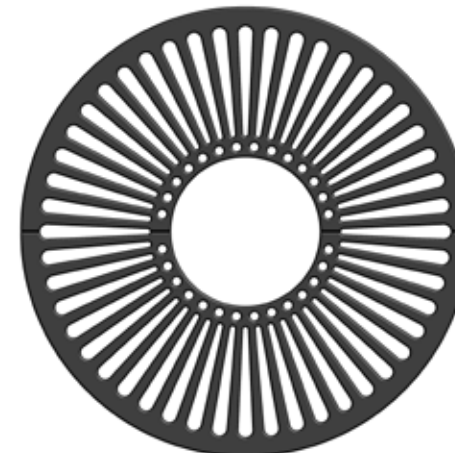
Dimensions (mm)	1000, 1200, 1400
Central aperture (mm)	1000 & 1200 (400ø), 1400 (600ø)
Materials	Ferrocasterpolyurethane
Finish	Black RAL 9005

FERROCAST® 66P SERIES



Dimensions (mm)	1000, 1200, 1400
Central aperture (mm)	1000 & 1200 (400ø), 1400 (600ø)
Materials	Ferrocasterpolyurethane
Finish	Black RAL 9005

FERROCAST® 68P SERIES



Dimensions (mm)	1000, 1200, 1400
Central aperture (mm)	1000 & 1200 (400ø), 1400 (600ø)
Materials	Ferrocasterpolyurethane
Finish	Black RAL 9005





## Tree Grilles



STEEL PEBBLES (ROUND)



STEEL PEBBLES (SQUARE)



STEEL ROOTS (ROUND)



STEEL ROOTS (SQUARE)



STEEL STARS (ROUND)



STEEL STARS (SQUARE)



STEEL WAVES (ROUND)



STEEL WAVES (SQUARE)



Dimensions (mm)	1200,1500, 1800
Central aperture (mm)	600ø
Materials	Steel
Finish	Sand textured powder coated brown 650

Dimensions (mm)	1200,1500, 1800
Central aperture (mm)	600ø
Materials	Steel
Finish	Sand textured powder coated brown 650

Dimensions (mm)	1200,1500, 1800
Central aperture (mm)	600ø
Materials	Steel
Finish	Sand textured powder coated brown 650

Dimensions (mm)	1200,1500, 1800
Central aperture (mm)	600ø
Materials	Steel
Finish	Sand textured powder coated brown 650

Dimensions (mm)	1200,1500, 1800
Central aperture (mm)	600ø
Materials	Steel
Finish	Sand textured powder coated brown 650

Dimensions (mm)	1200,1500, 1800
Central aperture (mm)	600ø
Materials	Steel
Finish	Sand textured powder coated brown 650

Dimensions (mm)	1200,1500, 1800
Central aperture (mm)	600ø
Materials	Steel
Finish	Sand textured powder coated brown 650

Dimensions (mm)	1200,1500, 1800
Central aperture (mm)	600ø
Materials	Steel
Finish	Sand textured powder coated brown 650



# Post & Rail

Marshalls Landscape Protection offers a range of post and rail systems which are available in a range of styles and materials.

Marshalls has created a wealth of experience in specialist post & rail systems. The materials used to create these systems vary from steel to stainless steel and Ferrocast®, the modern alternative to cast iron. Steel and Stainless Steel is usually found in city centres, junctions and in crowded places with high traffic. Ferrocast® systems are suited to all environments and are used mostly for seaside surroundings, as the material will not rust or corrode.

The objectives of a pedestrian post & rail system is to sustain specified design loadings while blending with the environment, increasing the safety of pedestrians and other non-vehicular highway users and matching the architectural surroundings.

Our design team can work closely with specifiers and architects. Where necessary we can design solutions to BS EN 7818.

By choosing Marshalls for your Post & Rail systems, you acquire:



- Experienced internal and external specialists to assist you with specifying your design, the materials and any budgetary requirements
- An expert project engineer who can talk you through any installation queries
- An inhouse project management team, dealing with your design – whether simple or complicated – offering peace of mind and ease of design creation
- An in-house installation team, a professional cost effective solution to ensure a high standard of finish

Offering a wide range of material options and designs alongside our standard solutions and being specialists in bringing custom designs to life, Marshalls is the ideal partner to choose for any great post & rail scheme that needs to be created.

## GEO BALUSTRADE

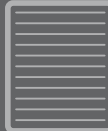
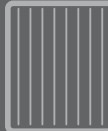


\* Balustrade available with or without handrail

Height (mm)	1096 / 1106	
Rail diameter (mm)	48.3	
Post diameter (mm)	76	
Std fixing type	Root fixed / Surface Mounted	
Panel Width Options	Horizontal: 1000, 1500, 2000 Vertical: 1000, 1500, 2000 * can be done as custom widths to suit	
Infill options	Horizontal / Vertical	

## GEO HANDRAIL & BALUSTRADE






Height (mm)	1096/1106	
Rail diameter (mm)	76	
Std fixing type	Root fixed / Surface Mounted	
Panel Width Options	Horizontal: 1000, 1500, 2000 Vertical: 1000, 1500, 2000	
Rail options	Horizontal Vertical	

## M3 & FESTIVAL



Post & Handrail: Stainless Steel with a brushed finish  
Post Cap: Stainless Steel with a machined finish  
Panel: Stainless Steel with a bead blasted finish

Height (mm)	1201	RAL colour (Festival only)				
Rail diameter (mm)	48					
Std fixing type	Surface Mounted	RAL 9005	RAL 9010	RAL 9006	RAL 9007	RAL 7045
Material	Steel ( Festival) or Stainless Steel (M3)					
Rail options	Steel or stainless steel	RAL 5010	RAL 6005	RAL 1023	RAL 3020	



Post & Rail: Ferrocast®

WATERSIDE



MORPETH



JERSEY



HARBOUR



BERWICK



SEAHAM



Height (mm)	1200
Rail diameter (mm)	50
Std fixing type	Surface Mounted
Rail options	3 Rail 4 Rail 5 Rail 6 Rail

RAL colours available for all products

  
RAL 9005

  
RAL 9010

  
RAL 9006

  
RAL 9007

  
RAL 7045

  
RAL 5010

  
RAL 6005

  
RAL 1023

  
RAL 3020

Height (mm)	900/700
Rail diameter (mm)	50
Std fixing type	Root fixed
Rail options	2 Rail (h900mm) 1 Rail (h700mm)

Height (mm)	1045
Rail diameter (mm)	50
Std fixing type	Surface Mounted
Rail options	n/a

Height (mm)	1139 (2&3 Rail) 1407 (4 Rail)
Rail diameter (mm)	50
Std fixing type	Root fixed Surface Mounted
Rail options	2 Rail 3 Rail 4 Rail

Height (mm)	1273 (2 Rail) 1269 (3 Rail)
Rail diameter (mm)	50
Std fixing type	Surface Mounted Root fixed
Rail options	2 Rail 3 Rail

Height (mm)	1226
Rail diameter (mm)	50
Std fixing type	Root fixed Surface Mounted
Rail options	3 Rail



Post & Panel

CHANCELLOR



Hi-Vis



Height (mm)	1000 / 1003/ 1020
Rail diameter (mm)	50
Std fixing type	Root Fixed/Surface Mounted
Panel width (mm)	2000 / 1500 / 1000
Hi-Vis infill options	HV2 / HV4 / HV8
Post diameter (mm)	88.9/ 114.3



Reduced Hi-Vis with Top Rail



PGR3



Reduced PGR3 with Top Rail



PGR2

COURT



Hi-Vis



Height (mm)	1000 / 1003/ 1020
Rail diameter (mm)	50
Std fixing type	Root Fixed/Surface Mounted
Panel width (mm)	2000 / 1500 / 1000
Hi-Vis infill options	HV2 / HV4 / HV8
Post diameter (mm)	88.9/ 114.3



Reduced Hi-Vis with Top Rail



PGR3



Reduced PGR3 with Top Rail



PGR2

REGENT



Hi-Vis



Height (mm)	1000 / 1003/ 1020
Rail diameter (mm)	50
Std fixing type	Root Fixed/Surface Mounted
Panel width (mm)	2000 / 1500 / 1000
Hi-Vis infill options	HV2 / HV4 / HV8
Post diameter (mm)	88.9/ 114.3



Reduced Hi-Vis with Top Rail



PGR3

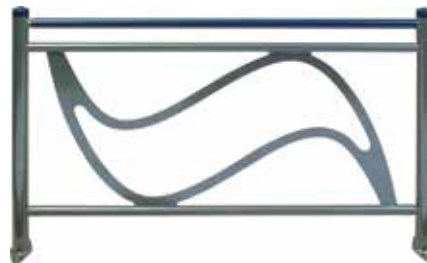


Reduced PGR3 with Top Rail



PGR2

SINEU GRAFF  
SERIES 2000

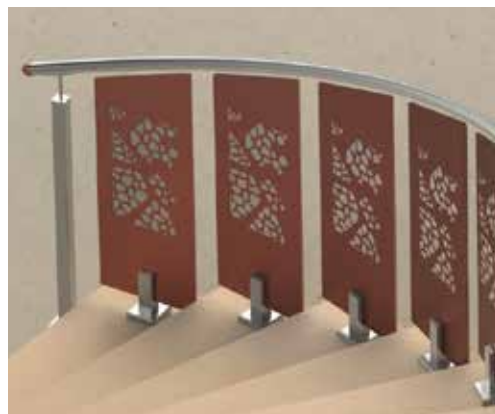


Other styles available

Chelsea is  
made in Britain



Chelsea  
CUSTOM POST AND RAIL



Speak to us about  
your custom  
requirements!

Height (mm)	1000 (Handrail) 1100 (Balustrade)
Rail diameter (mm)	48
Std fixing type	Surface Mounted
Panel Width Options	Various
Material	316 Stainless steel, mild steel and Corten powder effect





## TRAFFIC CALMING

Marshalls' range of traffic calming systems are designed to improve environments for vehicular and pedestrian traffic through proactive traffic management.

Designed to improve the liveability of trafficked environments, Marshalls' products provide a safe and secure traffic management solution for all users.

Marshalls' traffic calming products are aesthetically pleasing and proven in use for a variety of applications ranging from homezones and adoptable estate roads to highways, either new or existing.

The accurate preformed shapes and profiles of Marshalls traffic management products, produced by quality controlled manufacturing processes, ensure compliance to standard.

### Legislation

- All products illustrated are designed to be installed in the highway giving due regard to the appropriate legislation and standards.
- 1999 No 1025: Highways, England and Wales. The Highways (Road Hump) Regulations 1999.
- 1999 No 1026: Highways, England and Wales. The Highways (Traffic Calming) Regulations 2000.





# Traffic Calming

## SPEED CUSHIONS

REINFORCED CONCRETE CUSHIONS

Marshalls offers two Speed Cushion designs to reduce speeds of traffic with differing characteristics to different levels. The cushions comply with the Traffic Advisory Leaflet issued by the DfT, October 1994.

One piece structural units are designed to withstand all traffic loadings whilst easy installation and low maintenance reduces whole life costings.

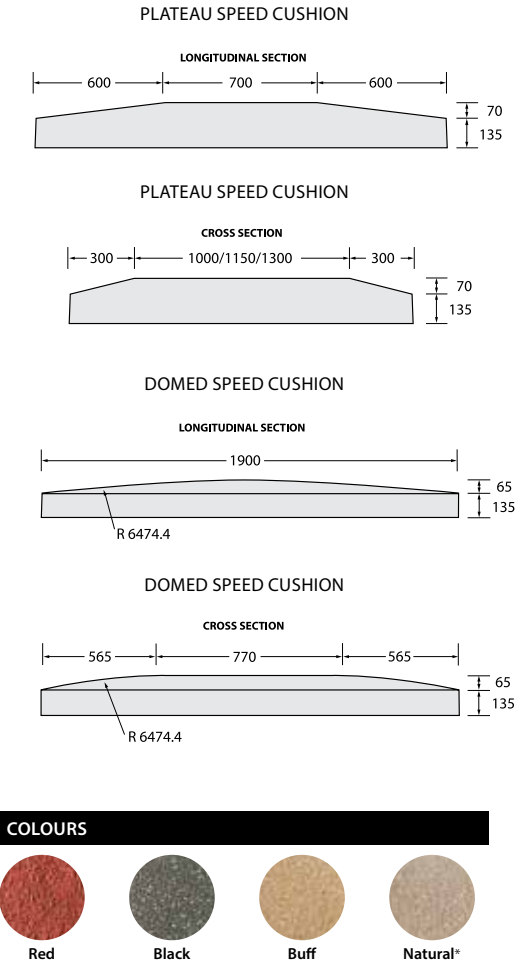
Dimensional accuracy ensures compliance to design standard and coloured concrete contrasts with road surface increasing visibility to road users.

PLATEAU SPEED CUSHION

- A reinforced concrete cushion with a plateau top of 70mm
- A range of widths are available
- Approach/exit ramp of 1:8:6 and side slope of 1:4:3
- Available in red as standard, other colours can be made to order

DOMED

- A reinforced concrete cushion with a dome of 65mm high
- A more suitable solution than the Plateau for areas with numerous bus movements



\*Natural products are manufactured from aggregates sourced locally to the works and contain no pigmentation, therefore colour variation between products from different works is possible.

## SPEED CUSHIONS

4 AND 6 PIECE RUBBER PLATEAU CUSHIONS

Marshalls' Rubber Speed Cushions feature a unique modular design allowing fast installation on any road surface with standard tools.

They have been designed to meet and exceed global safety standards while allowing emergency vehicles to pass quickly without delay.

Our range of Rubber Speed Cushions offer instant traffic calming results and can be removed during road works and even reused on alternate routes.

- 4 and 6 Piece Cushions available
- 4 Piece: 2 right angles, 2 left angles
- 6 Piece: 2 right angles, 2 left angles, 2 middle sections
- Easy to install or remove
- Includes zinc plated steel bolts and washers
- Factory fitted reflective strips for increased visibility
- Fixed together using T-connectors, 7 for the 6 piece and 4 for the 4 piece



\*Natural products are manufactured from aggregates sourced locally to the works and contain no pigmentation, therefore colour variation between products from different works is possible.

## S RAMP

PRE-CAST REINFORCED CONCRETE ROAD HUMPS



S-Ramp is a pre-formed segmental sinusoidal profiled ramp system which enables road humps or table tops of 75mm high to be constructed.

Units can be laid kerb-to-kerb using standard pieces only. Alternatively a free-standing table can be achieved by the inclusion of corner and side units.

COLOURS				
PIMPLE				
	Red	Marigold	Buff	Natural*
TEXTURED				
	Red	Marigold	Natural*	




# Traffic Calming


## SPEED CHECK CONCRETE ROAD HUMPH




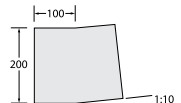
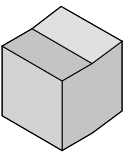
A unique product which acts as a restraint and starter block for 1:10 ramp slopes to be constructed in block paving; however, ramps of 1:15 can also be constructed. Shape, size and finish complements concrete block paving, although other materials can be used.

COLOURS

  
Red

  
Charcoal

  
Natural




## TRAFFIC RAMPS PRE-CAST REINFORCED CONCRETE ROAD HUMPH




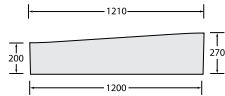
Traffic ramps are reinforced pre-cast concrete ramp units that form part of a road hump installation. The central plateau section of the road hump can be constructed from material to suit the application from concrete block paving to black top. The substantial size and weight of the units ensure suitability in locations such as arterial routes, where traffic is heavy and faster moving.

COLOURS


PLANAR

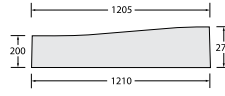
  
Red

  
Black



SINUSOIDAL

  
Red







Kerb Systems

Titan® Containment Kerb Radius



Available Colours



Smooth Grey

	External Radius									Internal Radius				
Height (mm)	400	400	400	400	400	400	400	400	400	400	400	400	400	400
Face Length (mm)	965/975	955/975	945/975	935/975	797/841	734/785	807/884	317/394	217/294	975/955	975/935	836/785	961/884	589/666
Width (mm)	390	390	390	390	390	390	390	390	390	390	390	390	390	390
Radius Covered (m)	76/25	25/15	15/11	11/8.5	7.5	6.0	4.5	2.0	1.5	76/25	76/25	76/25	76/25	76/25
No per 1/4 circle	122-40	40-24	24-18	18-14	14	12	8	8	8	122-40	122-40	122-40	122-40	122-40
Weight (kg)	233	232	230	229	207	194	221	104	80	232	229	182	198	132

Titan® Kerb High Containment System



Titan® Quadrants



	Straight	Straight	Straight	Straight	Straight	Large Transition Left Hand	Small Transition Left Hand	Large Transition Right Hand	Small Transition Right Hand
Profile	Titan®	Titan®	Titan®	Titan®	Titan®	Titan® to Half Battered	Titan® to Half Battered	Titan® to Half Battered	Titan® to Half Battered
Height (mm)	400	400	400	400	400	400/310	310/220	400/310	310/220
Face Length (mm)	1000	1000	665	495	325	1000	1000	1000	1000
Width (mm)	390	390	390	390	390	390/264	264/137	390/264	264/137
Weight (kg)	76/25	76/25	25/15	15/11	11/8.5	210	130	210	130



## Kerb Systems

### Bus Stop Kerb



	Kerb	Channel	Kerb Radius Unit	200 Drop Kerb Left Hand	200 Drop Kerb Right Hand	180 Drop Kerb Right Hand	180 Drop Kerb Left Hand	160 Drop Kerb Left Hand	160 Drop Kerb Right Hand
Height (mm)	380	180	380	380	380	360	360	340	340
Face Length (mm)	1000	1000	250	1000	1000	734	734	472	472
Width (mm)	100/240	350/385	240	245	245	228	228	125	125
Weight (kg)	145	120	145	110	110	100	100	90	90
No. Required	-	-	9	9	12	14	18-14	24-18	40-24





## CASE STUDY

## PROJECT:

Fosse Shopping  
Park Leicester

## HOSTILE VEHICLE MITIGATION

## PROJECT SUMMARY

Fosse Shopping Park is one of Britain's biggest out of town shopping parks, situated on the Southern edge of Leicester. The 265,000 sq. ft. shopping centre was built in 1989 and is home to a number of recognised high street shops and food chains.

Having not done so for a number of years, Fosse Shopping Park was looking to give its external areas a modern refurbish. They recognised the need to invest in updated perimeter protection and landscape furniture.



## PROJECT SOLUTION

Having liaised with the local police authority to discuss the anti-ram capabilities of Marshalls' perimeter protection bollards a number of anti-ram stainless steel bollards and LED marker bollards were installed around the car park and around the entrance of the shopping park, as well as bespoke seating around the columns and bins.





## CASE STUDY

## PROJECT:

## Leeds Flood Alleviation Scheme

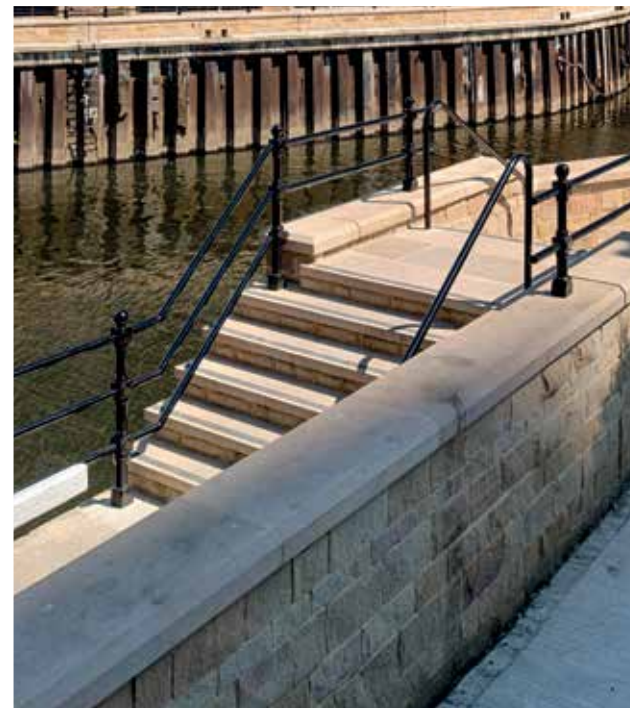
LEEDS, WEST YORKSHIRE

## LANDSCAPE PROTECTION

## PROJECT SUMMARY

The threat of flooding is increasingly linked to climate change and increasing urbanisation. Leeds narrowly escaped a major flood during the 2007 floods and since then there have been several localised flood events closing the train station, blocking roads and resulting in city centre residents being evacuated from waterfront properties.

In order to protect businesses, homes, the transportation network and the city economy in the future, Leeds City Council needs to provide flood defences. A flood alleviation scheme (FAS) has been designed to protect the city centre from a 1:75-year flood, and the planned project will involve the construction of flood defence interventions between Leeds train station and Knostrop Lock downstream of the city centre.



## PROJECT SOLUTION

A key aim of the project has been to identify and build in sustainable construction techniques. Early in the construction phase, BMMJV identified a cost, programme and environmentally beneficial alternative to the proposed hand railing solution. The contract required BMMJV to remove several types of existing cast iron and timber handrails and to replace on a 'like for like' basis. However, it was pointed out by the site team that once the existing railings had been removed, there would be no railings left to match and it would not enhance the built environment if identical railings were adopted along the defences. The site management team convinced planners to adopt this principle and to use the same type of railings throughout. Having agreed this, BMMJV and Marshalls, supported by the Leeds City Council design team and Arup, investigated the substitution of the cast steel railings with Ferrocast® railing posts which was put to and accepted by the council's planning department. Ferrocast® is a polyurethane mix of an engineering grade specification which was developed from its use in the mining, quarrying and North Sea Oil Industries. These harsh environments were perfect testing conditions to prove that it would be an ideal material for manufacturing street furniture that would withstand the rigours of the urban environment. The durability of Ferrocast® makes it the preferred material when manufacturing post and rail for developments such as the Leeds Flood Alleviation Scheme. It has a longer, maintenance-free lifespan and helps to reduce ongoing maintenance costs.



## CASE STUDY

## PROJECT:

Jaguar Land  
Rover Preston

## HOSTILE VEHICLE MITIGATION

## PROJECT SUMMARY

Jaguar Land Rover recently opened their brand new, state of the art showroom in Preston, Lancashire. The new showroom provides a timeless, modern and contemporary environment; perfect for visitors to experience their cars in sophisticated surroundings. Jaguar Land Rover were looking for a simple yet stylish and secure method of protecting their premises and vehicles.



## PROJECT SOLUTION

Marshalls provided a number of products from the Rhino range, including bollards, cycle stands and shelters. Heavy duty Rhino bollards were selected for the rear of the building due to the thickness of the steel, the reflective properties of the tape and also because of the protection they offer against ram-raiding or damage caused by vehicles. For the front of house areas, grade 316 stainless steel, mitre topped bollards were chosen. These bollards provide a stylish, anti-corrosion solution to the new showroom. Complimentary stainless steel cycle stands and shelters were also installed for use by staff and public.





## CASE STUDY

## PROJECT:

## Elephant and Castle

## BESPOKE SEATING

## PROJECT SUMMARY

As part of a £3bn redevelopment programme in Elephant and Castle, the area is being transformed into an exciting new destination for London over the next 15 years. The regeneration includes transforming the wasted space in Elephant and Castle into a usable, thriving public space, including a pedestrianised town centre, market square, and new green spaces. Local people will benefit from the dramatically improved physical environment with tree-lined streets, high quality open spaces and a largely traffic-free environment, allowing more space for social seating, pop-up markets and events.



## PROJECT SOLUTION

The bespoke seats were designed to encourage sociable, engaging, and inviting areas for residents and visitors alike. The end result is a series of functional yet attractive seating zones throughout the Elephant and Castle district, which capture the ethos of sociable seating perfectly.





## CASE STUDY

## PROJECT:

## Exhibition Road

PAVING, SEATING, BESPOKE LIGHTING

## PROJECT SUMMARY

The RIBA Award winning £28million redevelopment of Exhibition Road has transformed one of London's most visited streets into one of the most accessible cultural destinations in the world.

It is one of London's most high profile streets, being home to leading cultural and academic institutions such as the Natural History Museum and Imperial College, but over time had become inefficient, being dominated by traffic with narrow, crowded pavements and street clutter, and was unable to handle the millions of people who visit every year. A complete redesign was needed to improve infrastructure and access to facilities.

The Royal Borough of Kensington & Chelsea decided to run a design competition for the space, which was won by Architects Dixon Jones.

The winning design's vision was a complete overhaul of the street, creating a 'shared space', which means that pedestrians and vehicles co-exist without one being the dominant force. This is created by the removal of kerbs, pavements and other obstructions, this encourages motorists to slow down and engage with the pedestrians creating a safer and more secure environment for all.

Marshalls was approached to supply a range of key physical features of the redevelopment; natural stone, bespoke street lighting, drainage solutions and landscape furniture.



## PROJECT SOLUTION

The finished result makes Exhibition Road one of the most striking thoroughfares in London. The paving's diamond shape pattern, as well as being visually appealing, naturally leads users across the street from one famous cultural centre to another.

The clutter free environment feels calm, and allows crowds to flow more freely over the paving allowing for easy passage from South Kensington tube station to the museums which line the famous road.

The bespoke lighting masts enhance the appearance of the streetscape's many colours, textures and finishes, and give pedestrians the feeling of added security.





## CASE STUDY

## PROJECT:

## Leicester Square

## BESPOKE SEATING

## PROJECT SUMMARY

In May 2012, in advance of the Olympics and Diamond Jubilee celebrations, Leicester Square reopened following major public realm improvements to this world famous London square. A flagship scheme in the Mayor's Great Outdoors programme, the design was undertaken by Burns + Nice for Westminster City Council specifically for Leicester Square. The aim of the scheme was to re-establish Leicester Square and its Gardens as a 'must see' destination and to create a distinct sense of place in London's West End.

The Square's distinctive new design features granite paving, bespoke lighting, signage, extensive seating (both formal and informal), stainless steel railings and gates, and a new water feature.

Marshalls manufactured the bespoke seats and benches, which are located in the Gardens. The unique seating comprises a polished bronze frame and Iroko timber slats, providing a premium quality product of a timeless design that is also robust. Engineers at Marshalls collaborated closely with Burns + Nice in order to deliver an exceptional result, entirely in line with the designer's original intent. The seats and benches are designed in a modular configuration, defined by the new central area within the Gardens.

Particular challenges overcome included the manufacture of the timber slats, that were cut to a radius in two dimensions, the manufacture of the bronze frame, accommodating level changes across the site and installation on site that required the paving pattern to be respected.



## PROJECT SOLUTION

A stylish and inviting seating area, made from the highest quality materials that will mature with the Square and stand the test of time.





## CASE STUDY

## PROJECT:

## Alhambra Theatre

## BESPOKE SEATING

## PROJECT SUMMARY

As part of a regeneration scheme to modernise the exterior space outside of the Alhambra Theatre in Bradford, the client wanted to create an inviting yet contemporary area which encouraged passers-by to sit and enjoy the surrounding area.



## PROJECT SOLUTION

Marshalls' Igneo benches, seats and Giove precious stone planters provided the perfect solution. Their modern aesthetic and robust styling was able to create an eye-catching and attractive seating area, supplemented by the elegant Giove Planters.

All three products are available in a range of colours in order to complement the surrounding environment. The grey to black colour options used on this scheme perfectly blend with the range of Marshalls natural stone paving which was also used on the project.





## CASE STUDY

## PROJECT:

Leisure Plaza  
Milton Keynes

## BOLLARDS

## PROJECT SUMMARY

The client BAM Construction was seeking a solution to protect the glass frontage of the shops and restaurants located at this leisure park. A depth restriction of 200mm was placed on any installed products.

The client was seeking protective products which complemented the modern surroundings of the leisure park.

The client also required a range of other street furniture products, such as cycle and motorcycle stands.



## PROJECT SOLUTION

Marshalls worked with the client to seek the best possible solutions for this project. The chosen bollards offer the required level of protection whilst also allowing for shallow installation and enhancing the aesthetics of the project. Marshalls was also able to offer a range of highly durable, functional and aesthetically pleasing street furniture solutions for this project.



## CASE STUDY

## PROJECT:

The Galleria  
Hatfield

SEATING, PLANTERS, BOLLARDS

## PROJECT SUMMARY

The client Land Securities completed a large outlet village in the South East of England. As a key part of the public realm section of the project, the client sought protective street furniture solutions which would not only offer the required level of protection but would also complement the surroundings of the shopping centre.

The client approached Marshalls to seek advice on what solutions would work best bearing in mind that the development sits on top of a major road tunnel and therefore only products which require shallow installation would be appropriate.

The client was also seeking solutions which would suit the modern aesthetic of the development and which would enhance the surroundings.



## PROJECT SOLUTION

The chosen products offer the required level of protection, however they do not look like protective items, instead they are attractive additions to the shopping centre. The large Giove Planters house mature trees which not only attract biodiversity but also offer shade and a pleasing aesthetic. The protective seating, ultra-modern in design, is highly durable and offers areas for shoppers to rest.







  
**Marshall's**  
Landscape Protection

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