

# LANGFULTON



## Barrot Pedestrian Grating

# The BARROT urban grating represents a totally new concept in the design of steel gratings for pedestrian areas.

The exceptional characteristic of the grating is achieved by incorporating bearing bars which are shaped to a reversed U-profile providing a broad surface area which is both safe and comfortable for walking on. This can be particularly relevant for applications such as balcony decking where traditional gratings are painful to bare feet. The innovative design also includes a unique dimpled anti-slip surface.

Panels are manufactured using an electrofusion process; high-voltage electricity and pressure fuse the component parts in a single process. The amalgamated metals provide a strong grating material with complete integrity for cutting and shaping.

**HEEL-PROOF (DM 236 1989):** 13mm space between bearing bars

**ANTI-SLIP:** in compliance with DIN 51130 Class R9

**COMPOSITION:** mild steel S235 JR (BS EN 10025)

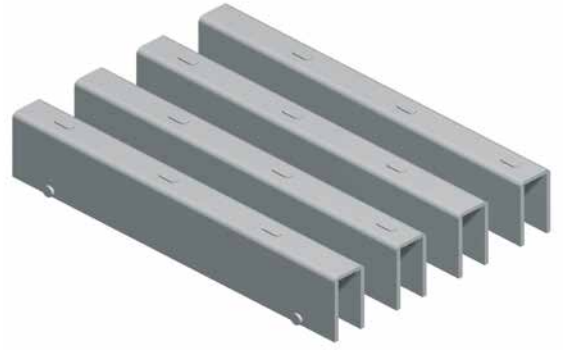
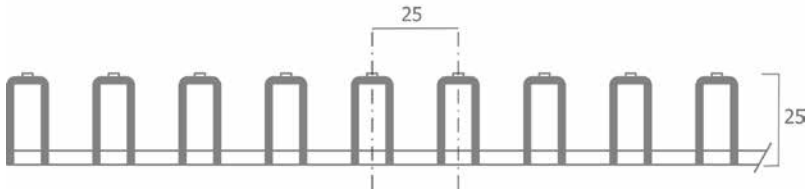
**FINISH:** hot-dip galvanized to UNI EN ISO 1461 with optional polyester powder coating



## The Crystal, Docklands Siemens Sustainability Exhibition

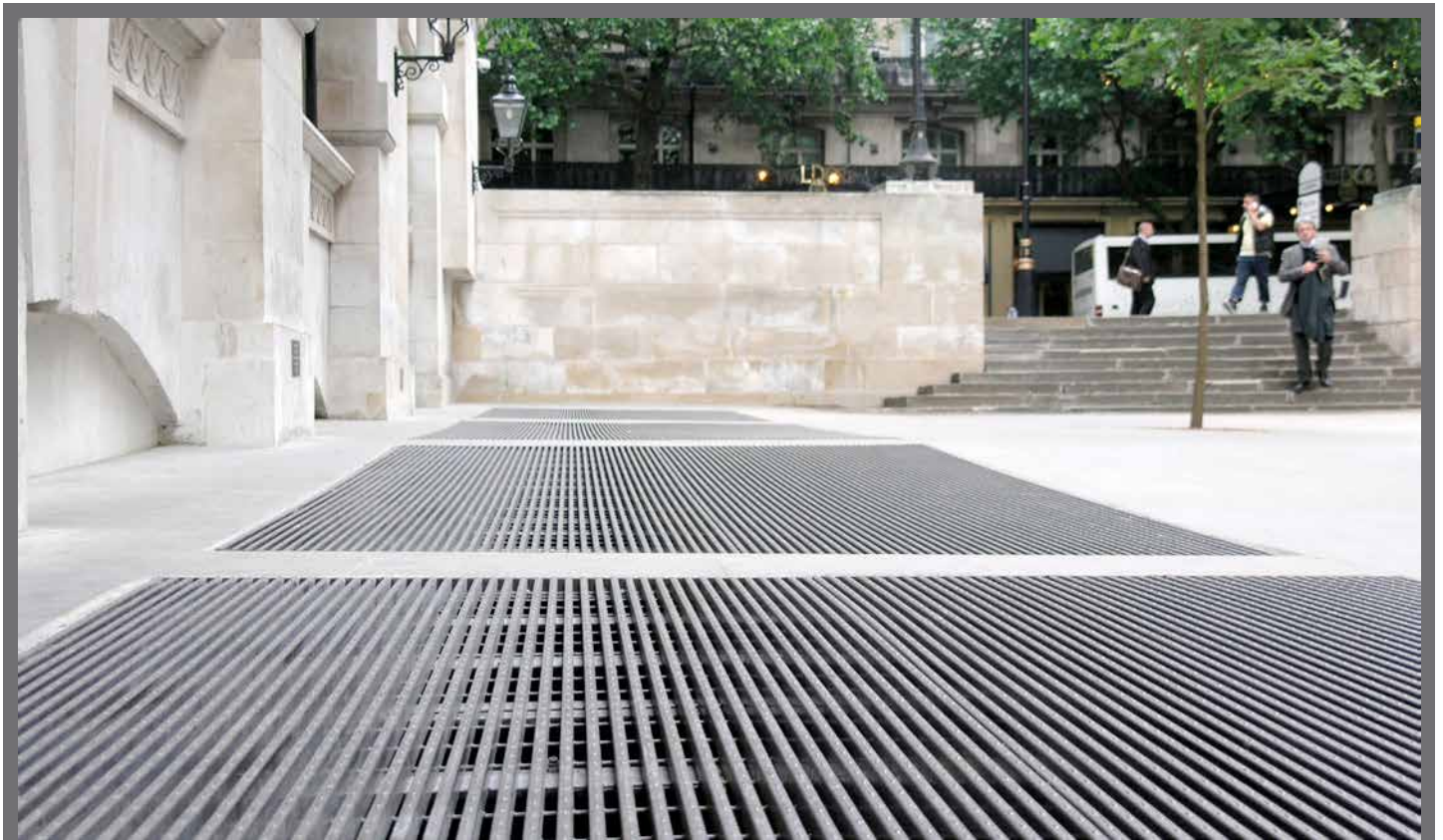
It is hoped that The Crystal will become a global hub for debate on sustainable urban living and development. Wilkinson Eyre Architects chose Barrot grating for the mezzanine exhibition space to provide pedestrian comfort. Each panel was a unique angular shape to add visual interest to the flooring.





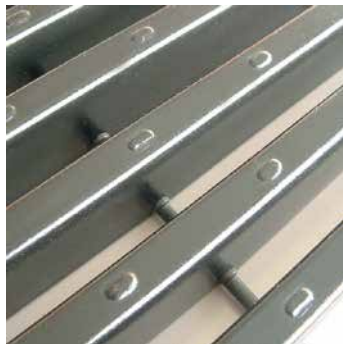
Bearing Bar	Thickness of U-section	Transverse Bar	Weight/m <sup>2</sup>	Free Area
U 25x12x25x1.5	1.5mm	Ø4mm	29.1kg	50%

LOADING TABLE								
Standard	UNI 11002				BS 4592 Part 1 Industrial Floorings			
Sigma	1600 daN/cm <sup>2</sup>				1600 daN/cm <sup>2</sup>			
Elastic Deflection	<1/200Ln, <5mm				< 1/200Ln, <10mm			
Uniform Load	6.3 KN/m <sup>2</sup>		3 KN/m <sup>2</sup>		5 KN/m <sup>2</sup>		7.5 KN/m <sup>2</sup>	
Bearing Bar (mm) U 25x12x25x1.5	max clear span	deflection	max clear span	deflection	max clear span	deflection	max clear span	deflection
	mm	mm	mm	mm	mm	mm	mm	mm
	1319	5.00	1787	8.93	1507	7.53	1316	6.57



**India Place**  
The Strand/Aldwich, London

India Place is a busy pedestrian thoroughfare between The Strand and Aldwich. Immediately adjacent to India House, it is the site of a statue of Jawaharlal Nehru by Latika Katt, unveiled by John Major in 1991. Barrot gratings were installed over lightwells as part of a new landscaping project.



# LANG+FULTON

Lang & Fulton Ltd, Newbridge Industrial Estate, Newbridge, Edinburgh EH28 8PJ  
t: 0131 441 1255      sales@langandfulton.co.uk      www.langandfulton.co.uk

Stockholding Depot: Cygnus Point, Black Country New Road, West Bromwich B70 0BD