



Venustum 11x100mm



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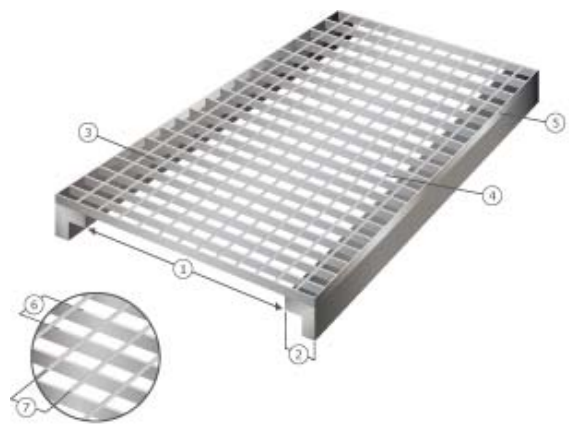
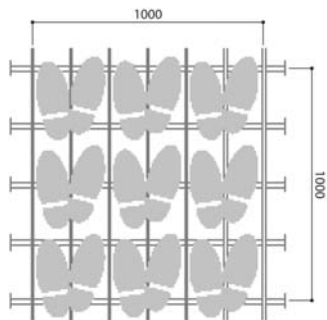
LOADING TABLES FOR PEDESTRIAN USE AND SERVICE ACCESS

Orsogril loading tables for **Venustum** provide information relating to uniformly distributed loads (UDL) in kiloNewtons per square metre which will result in a deflection within 1/200th of the clear span or 10mm whichever is the lesser. The calculations shown in this guide were derived using performance characteristics for Mild Steel (BS EN 10025: S235JR) manufactured in accordance with industry standards.

All information conforms to BS EN ISO14122 parts 1-3
 Part 1: Choice of fixed means of access between 2 levels
 Part 2: Working platforms and walkways
 Part 3: Stairways, stepladders and guard-rails

Type of use	Flooring
Single person	3kN/m ²
Two way pedestrian traffic	5kN/m ²
Two way pedestrian traffic with service equipment	7.5kN/m ²

Source: British Standard
 Ref: BS 5395-3 Flooring
 Ref: BS 4592-1 Flooring
 Ref: BS 4592-1 Stairtreads



1. Clear Span	5. Framing Bar
2. Bearing Area	6. Load Bearing Bar Centres
3. Load Bearing Bar	7. Transverse Bar Centres
4. Transverse Bar	



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ORSOGRIL Venustum Loading Tables

Standard:	BS EN ISO 14122 Parts 1-3
Steel:	Mild Steel EN 10025: 1995 S235JRS235 JR
Sigma:	1600 daN/cm ² ,
Elastic Deflection:	< 1/200Ln, <10mm

Pitch 11mm

Uniform Load	3 KN/m ²		5 KN/m ²		7,5 KN/m ²	
Bearing bar	Max. Clear Span	Deflection	Max. Clear Span	Deflection	Max. Clear Span	Deflection
	mm	mm	mm	mm	mm	mm
25x2	1853	9.26	1562	7.8	1365	6.82

Pitch 15mm

Uniform Load	3 KN/m ²		5 KN/m ²		7,5 KN/m ²	
Bearing bar	Max. Clear Span	Deflection	Max. Clear Span	Deflection	Max. Clear Span	Deflection
	mm	mm	mm	mm	mm	mm
25x2	1671	8.35	1409	7.04	1231	6.15
30x2	2003	9.98	1691	8.45	1477	7.38
50x3	3253	10.00	2863	10.00	2587	10.00

Pitch 22mm

Uniform Load	3 KN/m ²		5 KN/m ²		7,5 KN/m ²	
Bearing bar	Max. Clear Span	Deflection	Max. Clear Span	Deflection	Max. Clear Span	Deflection
	mm	mm	mm	mm	mm	mm
25x2	1470	7.34	1240	6.19	1083	5.40
30x2	1764	8.81	1488	7.43	1300	6.49
40x2	2259	10.00	1984	9.91	1733	8.65
50x3	2956	10.00	2601	10.00	2350	10.00

Pitch 25mm

Uniform Load	3 KN/m ²		5 KN/m ²		7,5 KN/m ²	
Bearing bar	Max. Clear Span	Deflection	Max. Clear Span	Deflection	Max. Clear Span	Deflection
	mm	mm	mm	mm	mm	mm
25x2	1409	7.04	1188	5.93	1038	5.18
30x2	1691	8.45	1426	7.12	1246	6.23
40x2	2188	10.00	1902	9.51	1661	8.3
50x3	2863	10.00	2519	10.00	2276	10.00

The information regarding product application is a guide in the use of the product and not a guarantee as to its performance since we have no control over the use or conditions to which other parties may apply the product. The specifier or customer must satisfy themselves that the product is suitable for the purpose and conditions of use. In no event will we be liable for any loss or damage including without limitation, indirect or consequential loss or damage.