

STAIR TREADS

Pressure locked / Forge-welded / Perforated

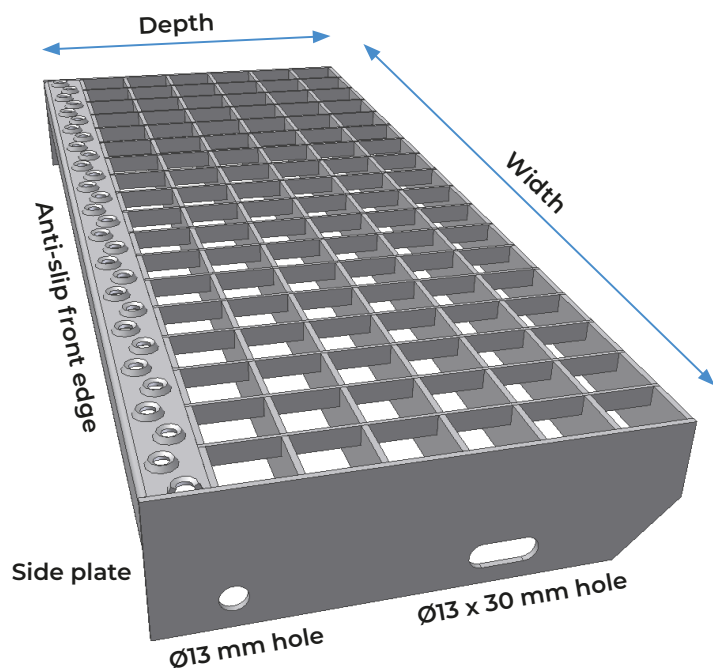
- Produced acc. to DIN 24531
- Designed acc. to EN/ISO 14122-3 or Eurocode DS/EN 1991



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EN 1991-1-1:2002 (Eurocode 1) covers loads on building structures. For stairs, table 6.2 requires a point load of 2.0 kN over an area of 100 mm x 100 mm, placed in the most unfavorable position on the stair tread (typically the front edge). There are also requirements for uniformly distributed live loads, typically 3-5 kN/m² depending on usage.

EN ISO 14122-3:2016 concerns the safety of permanent means of access to machinery. Section 4.2 requires that stair treads must withstand a point load of 1.5 kN over an area of 100 mm x 100 mm, placed at the front edge of the stair tread. For stair treads wider than 1.200 mm, two simultaneous point loads must be applied. Additionally, the requirement for uniformly distributed live load is 1.5-5 kN/m², depending on usage.

MATERIAL

- Steel
- Stainless steel
- Aluminium

SURFACE TREATMENT

- Galvanized
- Untreated
- Pickled
- Powder-coated
- Anodized

FLEXIBLE FEATURES

- Serration upon request
- Mesh sizes upon request
- Load-bearing properties upon request
- Custom designs upon request
- Custom hole placement upon request

Standard hole placement on side plate

Depth	A	B	C
185 mm	55 mm	95 mm	55 mm
205 mm	55 mm	95 mm	75 mm
220 mm	55 mm	100 mm	85 mm
240 mm	55 mm	120 mm	85 mm
270 mm	55 mm	150 mm	85 mm
305 mm	55 mm	180 mm	90 mm

