**Tender specification GRATINGS / Press-locked gratings**

Materials qualities:

1. GRATINGS / Press-locked gratings made of HIGH-SOLID high-strength steel strip

in accordance with DIN EN 10149 hot-dip galvanised in accordance with DIN EN ISO 1461, edging U-profile

1. GRATINGS / Press-locked gratings made of steel S235JR,

hot-dip galvanised in accordance with DIN EN ISO 1461, edging flat / or T-profile

1. GRATINGS / Press-locked gratings made of STAINLESS STEEL V2A / 1.4301 / AISI 304 / X5CrNi18-10, pickled, edging flat
2. GRATINGS / Press-locked gratings made of STAINLESS STEEL V4A / 1.4404 / AISI 316 / X2CrNiMo17-12-2, pickled, edging flat

Design e.g.

mesh 31x31mm (LW) or mesh 31x9mm (LW),

supporting bar SB 30x2mm,

(supporting bars in accordance with stat. requirements - e.g. requirement “suitable for walking”)

production tolerances in accordance with RAL-GZ 638

Load for suitable for walking = point load 150 kg or surface load 1500 kg/m²

at max. deflection of 4 mm in accordance with RAL-GZ;

formats in accordance with drawings / plans; max. span e.g. 1000 mm;

Stairtreads-press-locked gratings with perforated tread edge and sides with DIN-perforation;

e.g. mesh 31x9mm (LW), SB 30x2mm, format e.g. 1200x305mm;

Supplier: ProMetall [www.prometall-europe.](http://www.prometall-europe.)com / [sales@prometall-europe.com](mailto:sales@prometall-europe.com) or equivalent

Optional additional information regarding static factors / specifications

(non-binding reference values on the basis of RAL-GZ):

- max. span in mm

- suitable for walking for industrial purposes (mesh 31x31mm / Fp=150 kg)

- suitable for walking for public purposes (mesh 31x9 mm / Fp=150 kg)

- suitable for walking for emergency stairs (mesh 31x9 mm / Fp= 250 kg)

- suitable for passenger cars (mesh 31x31 mm / wheel load = 700 kg)

- suitable for trucks (individual specification of max. wheel load on the basis of the highest admissible total weight required! Alternatively, specification of the wheel load according to bridge categories in accordance with DIN1072)