SUPPORTSTOOL / TECHNICAL DATA

50 TONNE SUPPORT STOOL

STSS-50T-H500-D813



MODEL SPECIFICATION

Overall height
500 mm

Footprint
1000 x 1000 mm

Self-weight (indicative)
458 kg

Material
S355 steel

Tube
OD 813 x 12.5 mm

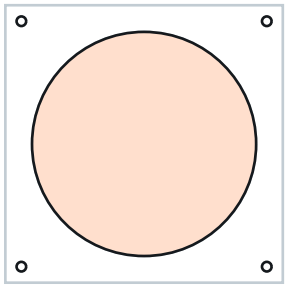
Top / base plate
15 mm

Coupling holes
OD 26 mm / M24

STATIC LOAD CASES

Uniform loading over the shaded contact area, within OD 813 mm.

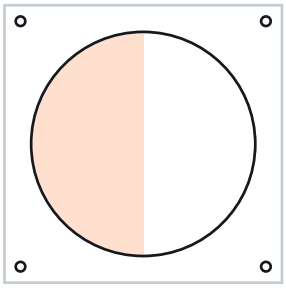
CASE A



50 t

Full circular area

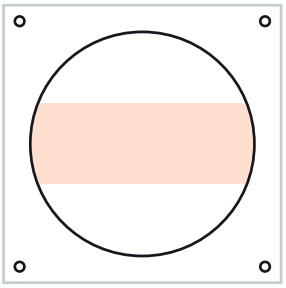
CASE B



18.75 t

Half circular area

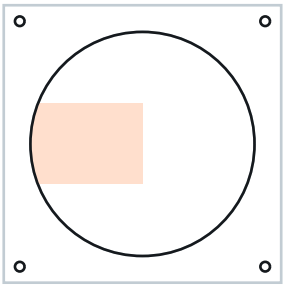
CASE C



15 t

300 mm central strip

CASE D



7.5 t

Half-length strip

MEAN GROUND PRESSURE / CASE A

495 kN/m2 | 0.495 N/mm2

Gross 1 m2 base area, including self-weight. Not the maximum local pressure.

Application: Static support on a level, stiff, fully supported base. Capacity depends on the stated contact area and load position. Projecting plate corners are excluded. Point loads, jacking, stacking and transport under load require separate assessment.

Engineering basis: EN 1990 and relevant EN 1993 provisions; intended steelwork execution basis EN 1090-2. Proposed load ratings remain subject to external engineering verification and release before supply. This selection sheet is not an operating instruction or a conformity certificate.