

4.11.2022

CONFIRMATION OF STRENGTH CALCULATION

CONFOOT LTD

has implemented a documented strength calculation applying guidelines of standards
SFS-EN 1993-1-1, SFS-EN 1993-1-8 and SFS-EN 1494.

Product: **ConFoot® CFU -leg**
(20ST22)

Calculation assumptions and exclusions:

- Rated load / one CFU -leg: 5000 kg
 - *Working load limit of one CFU -leg is 5000 kg, but calculations were made with maximum capacity 8000 kg of the jack.*
- Safety factor for load used in calculations: 1,5
 - Safety factor of 1,5 accounts for dynamic effects and the static test. This factor does NOT account for wind loads
- Max. height of the ConFoot CFU -leg: 1 500 mm
- Calculations are only valid when the CFU -leg is set on the surface which has friction coefficient more than 0,1.

Calculation results:

- ConFoot CFU -leg can withstand the rated load with safety factory 1,5 without any plastic deformation

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