

August 2022



AKKERMAN ENGINEERING SOLUTIONS ApS
Torskekaj 1A, 3. sal, 6700 Esbjerg, Denmark
CVR: 41 82 40 26

CERTIFICATE

PRODUCT

GARDENTOP prefabricated stair kit (PSK) with 100 cm TRIMAX treads

DESCRIPTION

This certificate extends DOLLE GARDENTOP certificate issued by BIIR[2] and covers GARDENTOP PSK with 100 cm TRIMAX treads with two supporting U-profiles.

MATERIAL

Treads: TRIMAX U-profiles: Steel, S235 JR

PARTICULARITIES

The structure is checked with FEM and tested for deformations and stress.

EUROCODES

- » EN 1990:2002 Eurocode: Basis of Structural Design
- » EN 1991-1-1:2002 + AC:2009 Eurocode 1: Actions on structures - Part 1-1
- » EN 1993-1-5:2005 + AC:2009 Eurocode 3: Design of steel structures - Part 1-5
- » EN 1993-1-8:2005 + AC:2009 Eurocode 3: Design of steel structures - Part 1-8

CONCLUSION

DOLLE GARDENTOP staircase with 100 cm TRIMAX treads is calculated and tested accordingly to Eurocodes [1] and the design is found to be strong and stable.

DESIGNATION

Complete product

REFERENCES

- [1] DOLLE PSK verification procedure
- [2] DOLLE GARDENTOP certificate issued by BIIR

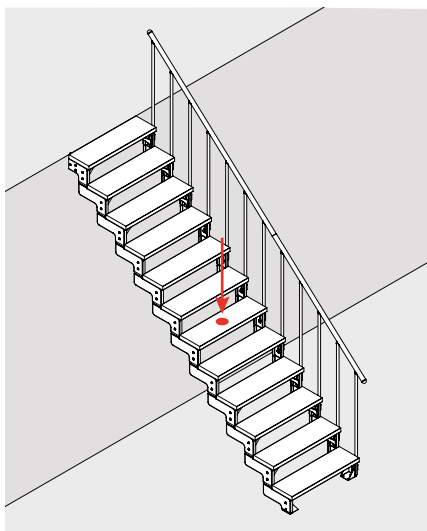
CLIENT



DOLLE A/S
CVR: 69 39 50 15
Vestergade 47, 7741 Frøstrup, Denmark

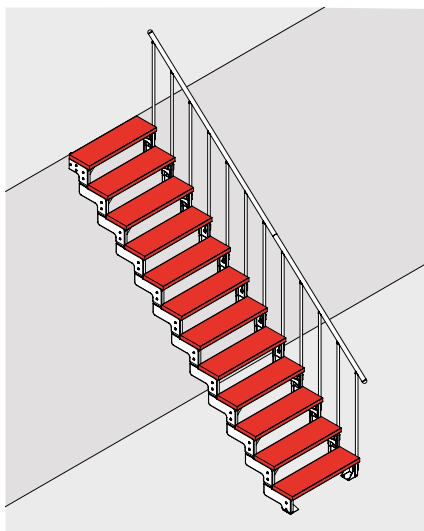


Thomas Sillesen
CEO AKKERMAN ENGINEERING SOLUTIONS ApS



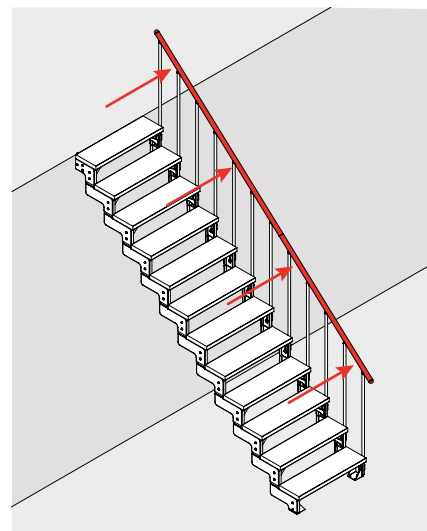
STAIR POINT LOAD

Max. 2 kN ~ 200 kg



STAIR SURFACE LOAD

Max. 2 kN/m² ~ 700 kg total load



LOAD ON HANDRAIL

Max. 0,5 kN/m ~ 50 kg/m