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AKKERMAN ENGINEERING SOLUTIONS ApS  
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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 GARGENTOP certificate issued by BIIR

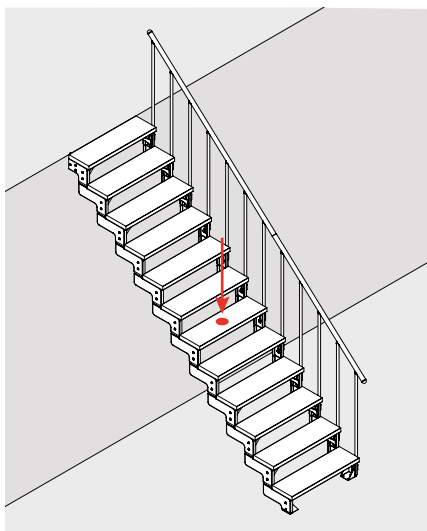
## CLIENT



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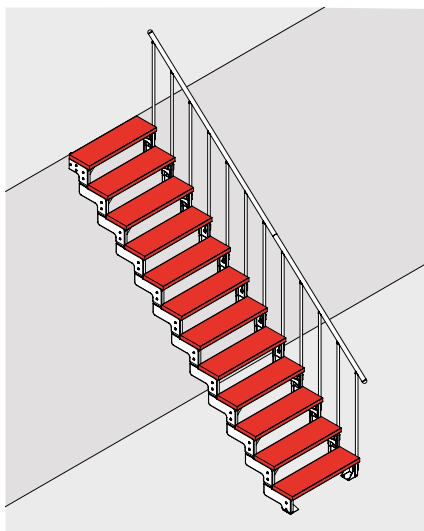


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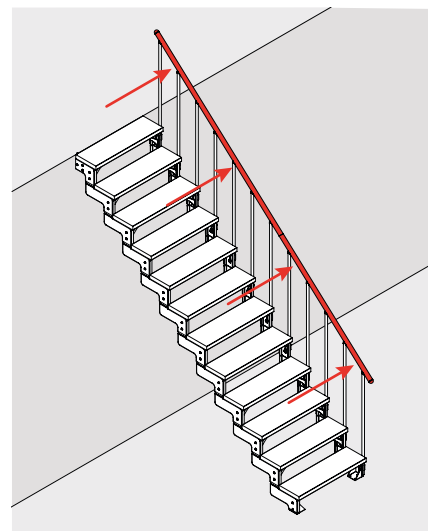
## STAIR POINT LOAD

Max. 2 kN ~ 200 kg



## STAIR SURFACE LOAD

Max. 2 kN/m<sup>2</sup> ~ 700 kg total load



## LOAD ON HANDRAIL

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