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SWEDEN

Testing of storage furniture according to EN 16121:2024 and EN 1023:2000

(3 appendices)

Customer:	Essem Design AB
Test object/ID:	Coat-hanger/Classic coat stand
Test methods:	EN 16121:2024 Non-domestic storage furniture – Requirements for safety, strength, durability and stability, test severity 1 EN 1023:2000 Office furniture - Screens - Part 3: Test methods, clause 6.1
Test environment:	23 ± 2°C and 50 ± 5% relative humidity
Scope:	Complete test
Date of test:	2025-11-18
Test result:	The tested object passed the test
Reservation:	The test results in this report apply solely to the specimen tested
Measurement uncertainty:	Decision rule according to EN ISO IEC 17025:2018 clause 3.7 No account is taken of measurement uncertainty when reporting numerical results
Additional information:	The safety and stability requirements don't apply to this product, as the unit weighs less than 10 kg, and the potential energy doesn't exceed the value of 65 Nm

RISE Research Institutes of Sweden AB Department Building and Real Estate - Technical Wood Assessment

Performed by

Examined by



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Appendices

1. Test result (2 pages)
2. Test object (1 page)
3. Pictures (1 page)

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Testing
ISO/IEC 17025

Appendix 1

Test result

Abbreviations: N/A = Not applicable
N/T = Not tested

Table 1

1.	General requirements	EN 16121 clause 5.2 – 5.5	Result
1.1	Accessible edges and corners shall be free from burrs and rounded or chamfered. There shall be no open-ended tubes. All moveable parts accessible during normal use shall have safety distances in any position during movement of ≤ 8 mm or ≥ 25 mm. This applies to any two elements moving relatively to each other, except for doors, flaps and extension elements. The safety distance also applies to the distance between handles and other parts. Adjustable parts shall be such as to prevent in advertent operation or release. Vertically sliding roll fronts shall not close by themselves from any position higher than 200 mm measured from the closed position. Extension elements shall have effective open stops. They shall resist being pulled out of the carcass once by a horizontal force of 200 N applied to the handle of the loaded extension element. Load bearing parts of the storage unit shall not come loose unintentionally. Safe height for vertically moving units shall be at least 100 mm from the floor. Horizontal lids that are 1 000 mm or less from the floor and weigh 0.25 kg or more, that are hinged, shall be provided with lid-support mechanisms. Any external, vertical glass component which is less than 900 mm above the floor, shall not break or become detached, when impacted once in accordance with EN 14072:2003, Clause 5, with a drop height of 70 mm.		Pass

Table 2

2.	Strength & durability tests	EN 16121	Cycles	Loading	Result
2.1	Strength of coat hooks	6.1.2	10	40 N/hook	Pass

Appendix 1

Table 3

3.	Stability test ¹	EN 1023	Cycles	Result
3.1	Stability for non-load bearing screens	6.1	1	Pass

¹ An additional stability test has been performed according to the standard for screens. The screen, or in this case the coat-hanger Classic is pushed horizontally at the height of 1300 mm measured from the floor until the screen moves 200 mm. In this position, the screen/coat-hanger shall not tip over, see figure 1

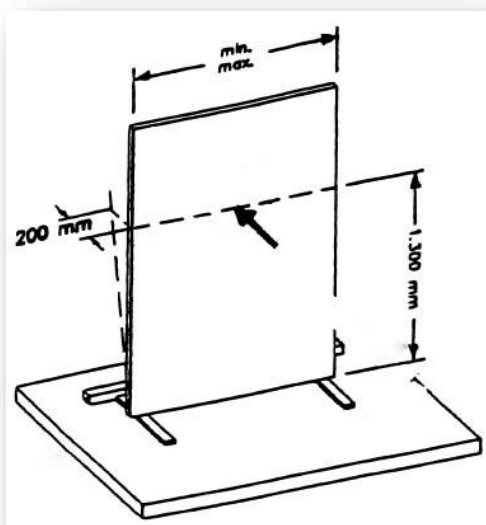


Figure 1

Appendix 2

Test object

Test object/ID: Coat-hanger/Classic coat stand

Dimensions ¹

Width: 415 mm
Depth: 415 mm
Height: 1780 mm
Mass: 4.8 kg

Components

Frame/base: Metal tube, Ø 16 mm
Knobs: Metal
Feet: Metal (base Ø 28 mm)

Sampling: The test object was selected by the customer
Date of arrival at RISE test laboratory: 2025-09-22
Observed defects before testing: No defects

¹ The dimensions are only intended to unambiguously identify the test object and do not claim to be metrologically accurate

Appendix 3

Pictures



Figure 1



Figure 2



Figure 3



Figure 4

Verifikat

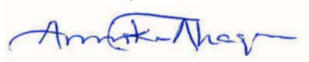
Dokument-ID 09222115557562787809

Dokument

1338415C Essem Design AB Classic coat stand
Huvuddokument
5 sidor
Startades 2025-11-20 10:53:36 CET (+0100) av Annika
Ahagen (AA)
Färdigställt 2025-11-20 13:45:49 CET (+0100)

Signerare

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