

Product Scoop 864/120

Test requested by Martela Oyj, Takkatie 1, FI-00371,
Helsinki

Test specimen Top material MDF
Frame Steel
Leg Steel



Test method Determination of strength, durability and safety of non-domestic table presented in the standard EN 15372: 2008 Furniture – Strength, durability and safety – Requirements for non-domestic tables. Selected type on usage was level 2.

Tests were carried out according to the standards below. Detailed test program with results is presented in pages 2-4.

EN 15372:2008 Furniture. Strength, durability and safety. Requirements for non-domestic tables.

The test specimen was selected by Martela and arrived at Testing laboratory January 18, 2016. Tests were carried out September 01 – September 06, 2016 in temperature 15°C - 25 °C.

Assessment of results

Scoop 864/120 meets the strength, durability and safety requirements of a non-domestic tables presented in the standards EN 15372:2008 for level 2.

The test result is only valid to the specimen tested and no other.

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Martela Testing laboratory

Nummela, September 08, 2016

approved by:

Tero Karttunen
Quality and Test Manager

tested by:

Jarno Forsman
Laboratory Engineer

Ref.

Test report No.1366

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| EN 15372:2008 Furniture – Strength, durability and safety – Requirements for non-domestic tables | | | |
|--|-------------|---|--------------|
| Test Severity | Type of Use | Application | Test results |
| 1 | Light | Hotel bedroom, church, libraries | |
| 2 | General | general hotel, café, restaurant, public hall, banks, bars, meeting rooms | X |
| 3 | Severe | night-club, police station, transport terminals, hospital public areas, casino, homes for the elderly, sports changing rooms, prisons, barracks | |

| EN 15372:2008 Furniture – Strength, durability and safety – Requirements for non-domestic tables | | |
|--|---|---------|
| 5 Safety requirements | | RESULTS |
| (5.1) General | Edges of table tops which are directly in contact with the user are rounded or chamfered, and all other edges accessible during intended use are free from burrs and/or sharp edges. | OK |
| | Ends of hollow components are closed or capped. | OK |
| | Movable and adjustable parts shall be designed so that injuries and inadvertent operation are avoided. | N/A |
| | It shall not be possible for any load bearing part of the table to come loose unintentionally. | OK |
| | All parts which are lubricated to assist sliding shall be designed to protect users from lubricant stains when in normal use. | N/A |
| (5.2.1) Shear and squeeze points when setting up and folding | Unless 5.2.2 or 5.2.3 are applicable, shear and squeeze points that are created only during setting up and folding are acceptable. | OK |
| | The edges of parts moving relative to each other and creating shear and squeeze points shall be as specified in 5.1. | |
| (5.2.2) Shear and squeeze points under influence of powered mechanisms | There shall be no shear and squeeze points created by parts of the table operated by powered mechanisms, i.e. springs, gas lifts and motorized systems. | N/A |
| (5.2.3) Shear and squeeze points during use | There shall be no shear and squeeze points created by forces applied during normal use. There shall be no shear and squeeze points if a hazard is created by the user during normal movements and actions, e.g. attempting to move the table. | OK |
| 5.3 Stability | | |
| (5.3.1.1) General | Tables that can be set to heights both above and below 950 mm shall be tested to both 5.3.1.2 and 5.3.1.3. | |
| (5.3.1.2) Test for tables that are or can be set to a height of 950 mm or less | The table shall be set to the height most likely to overturn the table, but not more than 950 mm. The table shall not overturn when tested according to Clause 6.7 of EN 1730:2000 using the forces specified within Table 2. | OK |

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| | | |
|---|---|-----|
| (5.3.1.3) Test for tables that are or can be set to a height greater than 950 mm | The table shall be set to the height most likely to cause overturning, but not less than 950 mm. The table shall not overturn when tested according to Clause 6.7 of EN 1730:2000 using 50 % of the specified forces. | N/A |
| (5.3.2) Stability for tables with extension elements | The table shall not overturn when the vertical force specified is applied to the centre of the front of the table, through a loading pad. | N/A |

| EN 15372:2008 Furniture – Strength, durability and safety – Requirements for non-domestic tables | | | | | |
|---|--|--|--------------------------|--|------------|
| Test | Loading | 1 | 2 | 3 | RESULTS |
| 1. Stability under vertical load EN 1730:2000: 6.7 | Test force, N Main surface V ₁ V ₂ Ancillary surface V ₁ V ₂ | 200 400 100 200 | 200 400 100 200 | 200 400 100 200 | OK |
| 2. Stability for tables with extension elements 5.3.2. | Test force, N | 200 | 200 | 200 | N/A |
| 3. Horizontal static load EN 1730:2000: 6.2 | Test force, N: High (more than 600) Low (600 or less) 10 times | 400 200 | 400 200 | 600 300 | OK |
| 4. Vertical static load EN 1730:2000: 6.3 | Test force, N: a) main surface b) ancillary surface 10 times | 1000 200 | 1250 300 | 1250 300 | OK |
| 5. Horizontal fatigue EN 1730:2000: 6.4 | Number of cycles: Test force 300N | 10 000 | 15 000 | 20 000 | OK |
| 6. Vertical fatigue for cantilever of pedestal tables EN 1730:2000: 6.5 | Number of cycles: Test force 300N | 10 000 | 15 000 | 20 000 | N/A |
| 7. Vertical impact for tables without glass in their construction EN 1730:2000: 6.6 | Drop height, mm: 10 times | 180 | 180 | 240 | OK |
| 8. Vertical impact for tables with glass in their construction load EN 1730:2000: 6.6 EN 14072:2003: 6 ²⁾ | Drop height, mm: 10 times Safety class ¹⁾ Other class | 180 240 | 180 240 | 240 300 | N/A N/A |

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| | | | | | |
|--|---|-----|-----|-----|-----|
| 9. Drop test for tables weighting more than 20 kg Annex A | Nominal drop height mm – tables without glass | 100 | 100 | 100 | OK |
| | Nominal drop height mm – tables with glass | 50 | 50 | 50 | N/A |
| DEFECTS AND OBSERVATIONS AFTER TEST PROCEDURE | No defects after tests | | | | |

| EN 15372:2008 Furniture – Strength, durability and safety – Requirements for non-domestic tables | | | |
|--|--|--|--------|
| Requirements | | Record | Result |
| (6.2) Strength and durability requirements | 1) there are no fractures of any member, joint or component, 2) there are no loosening of joints intended to be rigid, 3) table fulfils its functions after removal of the test loads 4) table fulfils the stability requirements | Record whether the requirements are filled | OK |

| EN 15372:2008 Furniture – Strength, durability and safety – Requirements for non-domestic tables | | |
|---|--|--------|
| Requirements | Record | Result |
| 7 Information for use shall be available in the language of the country in which it will be delivered to the end user. It shall contain at least the following details: a) information regarding the intended use, see Annex C; b) assembly instructions, where applicable; c) instruction for the care and maintenance of the table. | Record whether the requirements are filled | N/A |

End of report

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