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Kitchen equipment — Sizes of openings for built-in appliances

Équipement de cuisine — Dimensions des ouvertures pour appareils encastrés

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FOREWORD

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Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 5732 was developed by Technical Committee ISO/TC 59, *Building construction*, and was circulated to the member bodies in July 1976.

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It has been approved by the member bodies of the following countries :

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The member bodies of the following countries expressed disapproval of the document on technical grounds :

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Kitchen equipment — Sizes of openings for built-in appliances

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the sizes of openings for refrigerators, freezers, ovens, dishwashing machines and other household appliances, with the exception of cookers, built into kitchen cupboards as referred to in ISO 3055. It also specifies the sizes of openings for drop-in cooking tables (drop-in hobs) in worktops.

The preferred depth and width given for the built-in openings in the vertical plane and the preferred horizontal depth given for the drop-in openings are derived from the preferred modular dimension 6 M[1] for appliances, given in ISO 3055.

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2 REFERENCES

ISO 1006, *Modular co-ordination — Basic module.*

ISO 3055, *Kitchen equipment — Co-ordinating sizes.*

ISO 5731, *Kitchen equipment — Limit of size.*

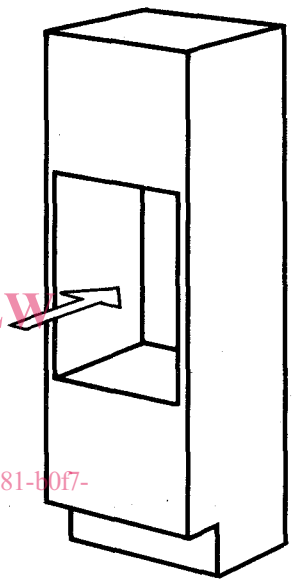

FIGURE 1 — **Opening in kitchen cupboard for built-in appliance**

3 DEFINITIONS

For the purposes of this International Standard, the definitions in ISO 5731 and the following definitions apply :

3.1 built-in appliance : An appliance which is inserted, in the vertical plane, into a cupboard (floor unit or tall unit). See figure 1.

3.2 drop-in appliance : An appliance which is inserted, in the horizontal plane, into a cupboard or a worktop. See figure 2.

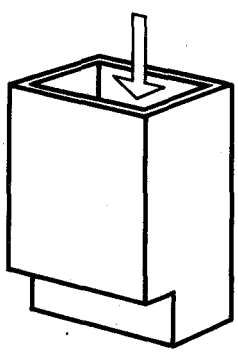

FIGURE 2 — **Opening in worktop for drop-in cooking table**

1) M is the symbol for the basic module defined in ISO 1006 and is equal to 100 mm.

4 SIZES FOR OPENINGS

4.1 Built-in appliances

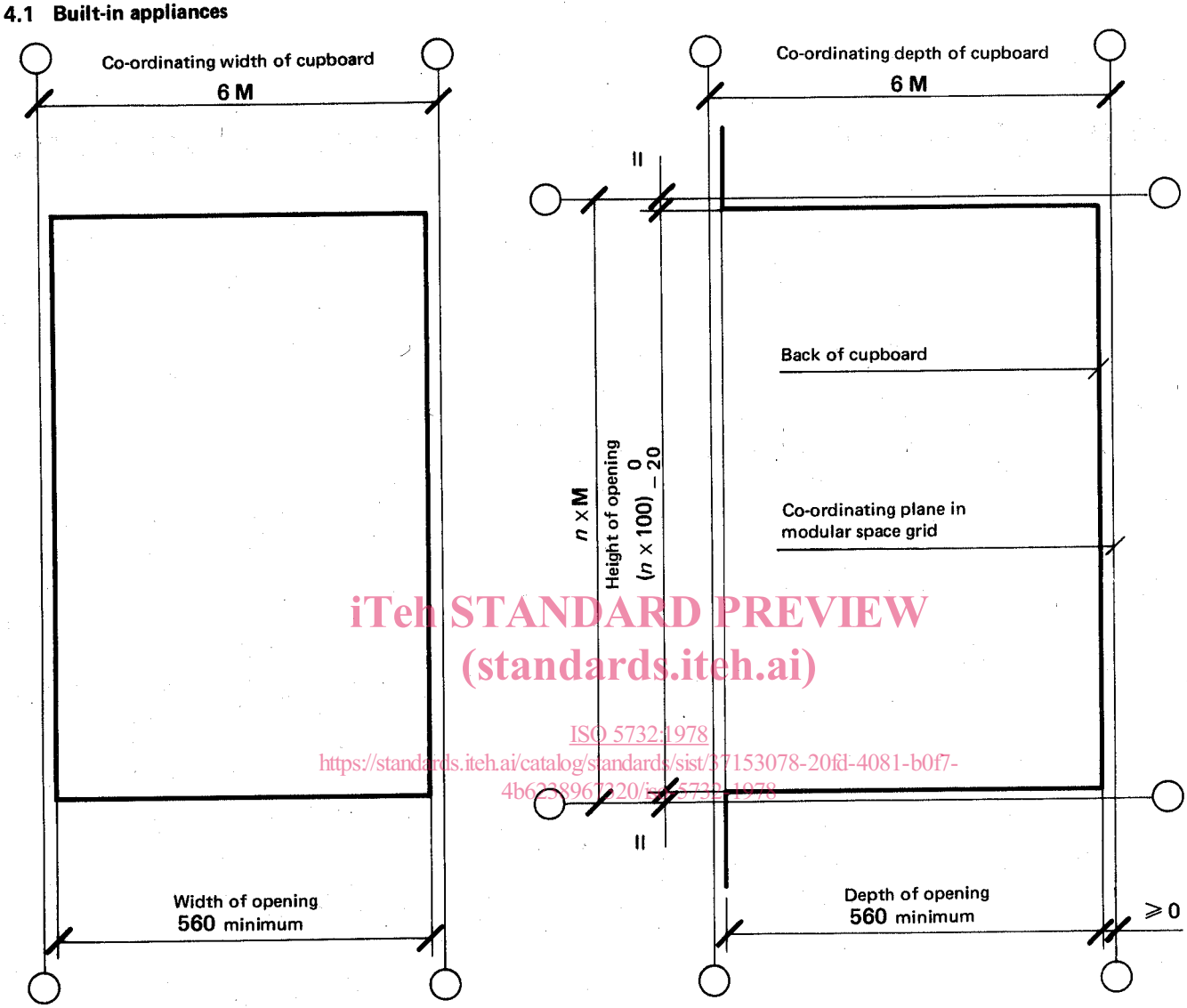

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FIGURE 3 – **Co-ordinating dimensions of opening for built-in appliances (example)**

The height of the opening shall be based upon the modular grid $n \times M$ with the actual height of the opening (free space) being : $(n \times 100)\ {}^{0}_{-20}$ mm[1)]

Preferred height of the opening :

for 6 M : $600\ {}^{0}_{-20}$ mm

for 9 M : $900\ {}^{0}_{-20}$ mm

for 12 M : $1\,200\ {}^{0}_{-20}$ mm

for 15 M : $1\,500\ {}^{0}_{-20}$ mm

The depth of the opening shall be : $600\ {}^{0}_{-40}$ mm

The width of the opening shall be : $600\ {}^{0}_{-40}$ mm

1) Conventionally, n is always an integer.

4.2 Drop-in cooking tables

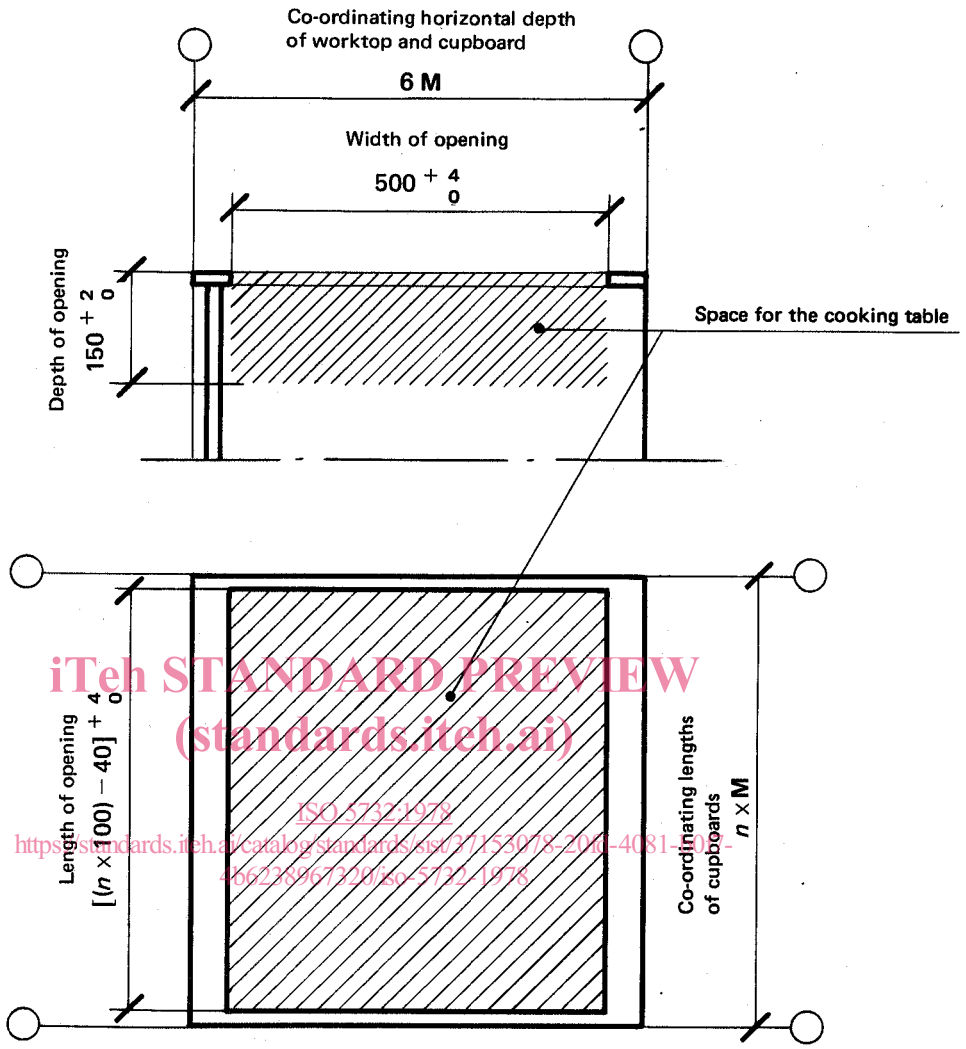

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FIGURE 4 — **Co-ordinating dimensions of opening for drop-in cooking tables**

The depth of the opening shall be :

$150 \,^{+2}_{0}$ mm

The width of the opening shall be :

$500 \,^{+4}_{0}$ mm

The length of the opening shall be based upon the modular grid $n \times$ **M**, with the actual length of the opening being :

$[(n \times 100) - 40] \,^{+4}_{0}$ mm

Preferred length :

$560 \,^{+4}_{0}$ mm

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