

# EUROMAP 18

Machinery for processing plastics and rubber  
**Injection moulding machines, handling equipment**  
**Mechanical interface**

June 1994

This **recommendation** was prepared by the Technical Commission of EUROMAP.

Dimensions in mm.

## 1 Field of Application

This recommendation specifies the hole pattern for the mounting of handling equipment on the upper side faces of the fixed platens of injection moulding machines.

## 2 Terminology

### 2.1 Overall Size

The overall size used in this recommendation is a description of the size of the clamping unit of injection moulding machines which is in accordance with other standards laid down by the European Committee of Machinery Manufacturers for the Plastics and Rubber Industries (EUROMAP). The overall size is defined by the clear space between columns (see EUROMAP recommendation 2/3 "Dimensioning of the clamping unit and mould mounting and connecting dimensions of injection moulding machines", 1983 edition).

In this EUROMAP recommendation for the determination of the overall size, the horizontal distance between columns is decisive.

### 3 Dimensions, Designation

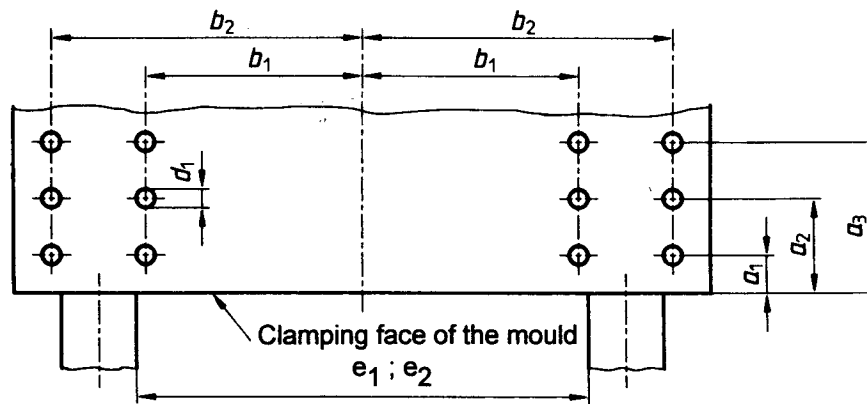


Figure 1: Position and size of mounting holes

General tolerances: ISO 2768-1:1989

For the designation of the hole patterns for the mountings of the handling equipment the overall size of the injection moulding machine has to be specified.

Example of the designation of the hole pattern for the mounting of a handling equipment to an injection moulding machine of overall size E 11:

**Hole pattern EUROMAP 18 - E 11.**

Table 1: Position and size of the mounting holes

| EUROMAP overall size <sup>1)</sup> | $\varnothing 1; \varnothing 2$ | $d_1$     | $a_1$ | $a_2$ | $a_3$ | $b_1$ | $b_2$ |
|------------------------------------|--------------------------------|-----------|-------|-------|-------|-------|-------|
| E 5                                | 315                            | M 12 x 24 | 17,5  | 52,5  | -     | 140   | 210   |
| E 6                                | 355                            | M 12 x 24 | 17,5  | 52,5  | -     | 140   | 210   |
| E 7                                | 400                            | M 16 x 32 | 35    | 105   | -     | 140   | 245   |
| E 8                                | 450                            | M 16 x 32 | 35    | 105   | -     | 175   | 280   |
| E 9                                | 500                            | M 16 x 32 | 35    | 105   | -     | 175   | 280   |
| E 10                               | 560                            | M 20 x 40 | 35    | 175   | -     | 210   | 350   |
| E 11                               | 630                            | M 20 x 40 | 35    | 175   | -     | 280   | 420   |
| E 12                               | 710                            | M 20 x 40 | 35    | 175   | -     | 350   | 490   |
| E 13                               | 800                            | M 20 x 40 | 35    | 175   | -     | 350   | 490   |
| E 14                               | 900                            | M 20 x 40 | 35    | 175   | -     | 420   | 560   |
| E 15                               | 1000                           | M 24 x 48 | 70    | 175   | 280   | 420   | 630   |
| E 16                               | 1120                           | M 24 x 48 | 70    | 175   | 280   | 420   | 700   |
| E 17                               | 1250                           | M 24 x 48 | 70    | 175   | 280   | 560   | 840   |
| E 18                               | 1400                           | M 24 x 48 | 70    | 210   | 350   | 560   | 840   |
| E 19                               | 1600                           | M 24 x 48 | 70    | 210   | 350   | 700   | 980   |
| E 20                               | 1800                           | M 24 x 48 | 70    | 210   | 350   | 840   | 1120  |
| E 21                               | 2000                           | M 24 x 48 | 70    | 210   | 350   | 980   | 1260  |
| E 22                               | 2240                           | M 24 x 48 | 70    | 210   | 350   | 1120  | 1400  |

<sup>1)</sup> see EUROMAP 2/3

Note: In case of T-slots for injection moulding machines of EUROMAP overall sizes E 5 ÷ E 8 and E 10 ÷ E 14 mounting holes  $a_1/b_1$  are not available.

#### 4 Supporting Area

The supporting area must be sufficiently flat. It should be continuously machined and at least raised in an area of concentric circles around the fixing holes with the diameter of  $2d_1$  or countersunk according to this diameter. Washers should be provided in the case of countersinking.

# **EUROMAP**

Europäisches Komitee der Hersteller von Kunststoff- und Gummi-  
maschinen

European Committee of Machinery Manufacturers for the Plastics and  
Rubber Industries

Comité Européen des Constructeurs de Machines pour Plastiques et  
Caoutchouc

Comitato Europeo Costruttori Macchine per Materie Plastiche e  
Gomma

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