



# INTERNATIONAL STANDARD ISO 14738:2002

## TECHNICAL CORRIGENDUM 2

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

## Safety of machinery — Anthropometric requirements for the design of workstations at machinery

### TECHNICAL CORRIGENDUM 2

*Sécurité des machines — Prescriptions anthropométriques relatives à la conception des postes de travail sur les machines*

RECTIFICATIF TECHNIQUE 2

Technical Corrigendum 2 to ISO 14738:2002 was prepared by the European Committee for Standardization (CEN) in collaboration with Technical Committee ISO/TC 159, *Ergonomics*, Subcommittee SC 3, *Anthropometry and biomechanics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Page 7, Table 3

Insert the following text under the third illustration from the top in the “Posture” column:

“Such postures should only be maintained for short periods of time.”

Page 11, Table 5

Replace Table 5 by the following table.

ICS 13.110; 13.180

Ref. No. ISO 14738:2002/Cor.2:2005(E)

Table 5 — Sitting, space requirements for legs and feet

| Posture                                       | Notation | European value <sup>a</sup><br>mm | Explanation of measurements                                                                                                               |
|-----------------------------------------------|----------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Working surface height, <u>adjustable</u>     | A        | 820<br>495                        | Leg space height, sitting, adjustable<br>$A_{\max}=h_{16}(P95)+b_{18}(P95)+x_3$<br>$A_{\min}=h_{16}(P5) +b_{18}(P5)+x_1$                  |
|                                               |          | 720                               | not adjustable:<br>$A=h_{16}(P95)+b_{18}(P95)+x_1$                                                                                        |
|                                               | B        | 790                               | Foot and leg space, width<br>$B=a_{17}(P95)+y$<br>(width for access to fixed seats see "B" in table 6)                                    |
|                                               | C        | 547                               | Leg space, depth at knee height<br>$C=c_1(P95)-b_{15}(P5)+z_1$                                                                            |
|                                               | D        | 882                               | Leg space depth for feet<br>$D=c_1(P95)-b_{15}(P5)+c_2(P95)+z_2$                                                                          |
| Working surface height, <u>not adjustable</u> | E        | 285                               | Space for leg movement under seat<br>$E=c_2(P95)$                                                                                         |
|                                               | F        | 535<br>370                        | Seat height above foot support, adjustable<br>$F_{\max}=h_{16}(P95)+x_1$<br>$F_{\min}=h_{16}(P5)+x_1$                                     |
|                                               | G        | 0<br>165                          | Footrest height (adjustable - only needed for non-adjustable working surface height)<br>$G_{\min}=0$<br>$G_{\max}=h_{16}(P95)-h_{16}(P5)$ |
|                                               |          |                                   |                                                                                                                                           |
|                                               |          |                                   |                                                                                                                                           |

NOTE 1 For allowances, x, y, z see Clause 5.

NOTE 2 For an explanation of notations see Annex A.

<sup>a</sup> See Table 4.