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:

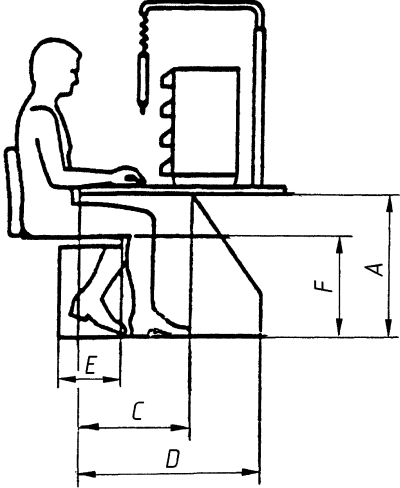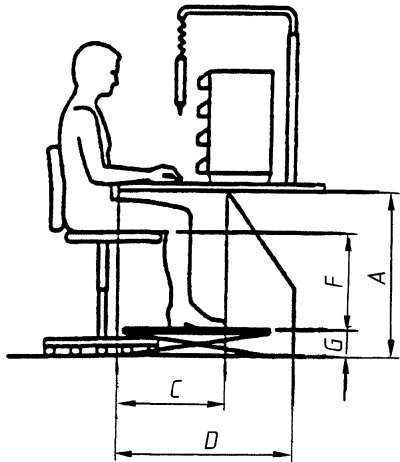"Such postures should only be maintained for short periods of time."

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

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

NOTE 2   For an explanation of notations see Annex A.

[a]   See Table 4.

Page 14, Table 6

In the row relating to "Working surface height <u>adjustable</u>", align the value "265" in the third column with the formula "$W_{adj} = h_4 (P95) – h_4(P5)$" in the fourth column.