

ISO 13857:2008-03 (E)

Safety of machinery - Safety distances to prevent hazard zones being reached by upper and lower limbs

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Safety distances to prevent access by upper and lower limbs	2
4.1	General	2
4.2	Safety distances to prevent access by upper limbs	3
4.3	Safety distances to prevent access by lower limbs	11
Tables		
Annex A (informative) Use of 1 and 2 with intermediate values		13
Annex B (informative) Distances to impede free access by lower limbs		16
Bibliography		17
Figure 1 -- Reaching upwards		3
Figure 2 -- Reaching over protective structure		4
Figure 3 -- Openings of irregular shape		10
Figure A.1 -- Example 1 -- Table 2		13
Figure A.2 -- Example 2 -- Table 2		14
Figure A.3 -- Example 3 -- Table 2		15
Figure B.1 -- Impeding free movement under protective structures		16
Table 1 -- Reaching over protective structures -- Low risk		5
Table 2 -- Reaching over protective structures -- High risk		6
Table 3 -- Reaching around with limitation of movement		7
Table 4 -- Reaching through regular openings -- Persons of 14 years of age and above		8
Table 5 -- Reaching through regular openings -- Persons of 3 years of age and above		9
Table 6 -- Reaching around with additional protective structures		11

Table 7 -- Reaching through openings of regular shape by lower limbs	12
Table B.1 -- Distances where access of the lower limbs is restricted	16