

Table 2 — Dimensional requirements

Dimensions in millimetres

		Type Ax					Type A					Type B					Type C				
		Allow (-)	min	max	Allow (+)	Minimum range	Allow (-)	min	max	Allow (+)	Minimum range	Allow (-)	min	max	Allow (+)	Minimum range	Allow (-)	min	max	Allow (+)	Minimum range
<i>a</i> ^a <i>b</i>	Seat height and sitting height ^x	yes	400	540	yes	160	yes	400	520	yes	130	yes	420	510	yes	100	yes	430	480	yes	80
<i>b</i>	Adjustable depth of the seat	yes	380	430	yes	70	yes	425	450	yes	70	yes	425	445	yes	50	yes	425	-	yes	-
	Fixed depth of the seat	no					no					no	425	485	no	fixed	no	425	-	yes	fixed
<i>f</i>	Adjustable height of lumbar support	yes	170	300	yes	Minimum 70 within the range	yes	170	300	yes	Minimum 70 within the range	yes	170	300	yes	Minimum 50 within the range	yes	170	300	yes	-
	Fixed height of lumbar support	no					no					no	170	300	no	-	no	170	300	no	-
<i>q</i> ^c	Maximum distance from the backrest to the front of the armrests	yes	-	200	no	-	yes	-	300	no	-	yes	-	350	no	-	yes	-	400	no	-

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		Type Ax					Type A					Type B					Type C				
		Allow (-)	min	max	Allow (+)	Minimum range	Allow (-)	min	max	Allow (+)	Minimum range	Allow (-)	min	max	Allow (+)	Minimum range	Allow (-)	min	max	Allow (+)	Minimum range
<i>r^d</i>	Hip breadth clearance when armrests are in widest position	no	480	-	yes	-	no	480	-	yes	-	no	460	-	yes	-	no	460	-	yes	-
<i>z^{de}</i>	Adjustable clear distance between armrest pads	yes	410	510	yes	-	yes	410	510	yes	-	yes	460	510	yes	-	yes	460	510	yes	-
	Fixed clear distance between armrest pads	no					no					no	460	510	no	-	no	460	-	yes	-
<i>p</i>	Height of armrests adjustable	yes	200	290	yes	100	yes	200	290	yes	100	yes	225	250	yes	50	yes	200	250	yes	-
	Height of armrests not adjustable	no					no					no	225	275	no	-	no	200	250	no	-
<i>d</i>	Seat pad width	no	400	-	yes	-	no	400	-	yes	-	no	400	-	yes	-	no	400	-	yes	-
<i>c</i>	Seat pad depth	no	380	-	yes	-	no	380	-	yes	-	no	380	-	yes	-	no	380	-	yes	-

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		Allow (-)	min	max	Allow (+)	Minimum range	Allow (-)	min	max	Allow (+)	Minimum range	Allow (-)	min	max	Allow (+)	Minimum range	Allow (-)	min	max	Allow (+)	Minimum range
<i>h</i>	Backrest height	no	360	-	yes	-	no	360	-	yes	-	no	360	-	yes	-	no	360	-	yes	-
<i>j</i>	Backrest width	no	360	-	yes	-	no	360	-	yes	-	no	360	-	yes	-	no	360	-	yes	-
<i>k</i>	Radius of backrest	no	400	-	yes	-	no	400	-	yes	-	no	400	-	yes	-	no	400	-	yes	-
<i>n</i>	Armrest length	no	150	-	yes	-	no	150	-	yes	-	no	150	-	yes	-	no	150	-	yes	-
<i>o</i>	Armrest width	no	50	-	yes	-	no	50	-	yes	-	no	40	-	yes	-	no	40	-	yes	-
<i>s</i>	Offset of the underframe	yes	-	415	no	-	yes	-	415	no	-	yes	-	415	no	-	yes	-	415	no	-

^a For tall office work chairs the seat height is determined as the vertical distance measured at the front of the seat, from the loaded seat to the floor or top of the foot support. The foot support shall have a minimum diameter of 20 mm or be flat.

^b For type Ax only, the range can be achieved e.g. by using a telescopic gas cylinder or by providing more than one gas cylinder

^x Sitting height is only applicable for chairs with seat pad angles less than 0 (rearwards slope).

^c The distance *q* shall be measured when the minimum usable armrest area template, 150 mm x 50 mm (Type Ax and Type A) or 150 mm x 40 mm (Type B and Type C), are parallel to the median plane (see 3.9) of the seat.

^d The gap shall be retained across the height adjustment range of the armrests for functional fit.

^e The clear distance 'z' shall be measured when the minimum usable armrest area templates, 150 mm x 50 mm (Type Ax and Type A) or 150 mm x 40 mm (Type B and Type C), are parallel to the median plane of the seat.