



NOTE The symbols l , h , w and the numbers 1 to 5 refer to Table 2.

Figure 2 — Charpy pendulum impact test piece

Table 2 — Tolerances on specified test piece dimensions

Designation	Symbol and No.	V-notch test piece			U-notch test piece		
		Nominal dimension	Machining tolerance		Nominal dimension	Machining tolerance	
				Tolerance class ^a			Tolerance class ^a
Length	l	55 mm	$\pm 0,60$ mm	js15	55 mm	$\pm 0,60$ mm	js15
Height ^b	h	10 mm	$\pm 0,075$ mm	js12	10 mm	$\pm 0,11$ mm	js13
Width ^b :	w						
— standard test piece		10 mm	$\pm 0,11$ mm	js13	10 mm	$\pm 0,11$ mm	js13
— reduced-section test piece		7,5 mm	$\pm 0,11$ mm	js13	—	—	—
— reduced-section test piece		5 mm	$\pm 0,06$ mm	js12	—	—	—
— reduced-section test piece		2,5 mm	$\pm 0,05$ mm	js12	—	—	—
Angle of notch	1	45°	$\pm 2^\circ$	—	—	—	—
Height below notch (height of test piece minus depth of notch)	2	8 mm	$\pm 0,075$ mm	js12	5 mm ^c	$\pm 0,09$ mm	js13
Radius of curvature at base of notch	3	0,25 mm	$\pm 0,025$ mm	—	1 mm	$\pm 0,07$ mm	js12
Distance of plane of symmetry of notch from ends of test piece ^b	4	27,5 mm	$\pm 0,42$ mm ^d	js15	27,5 mm	$\pm 0,42$ mm ^d	js15
Angle between plane of symmetry of notch and longitudinal axis of test piece		90°	$\pm 2^\circ$	—	90°	$\pm 2^\circ$	—
Angle between adjacent longitudinal faces of test piece	5	90°	$\pm 2^\circ$	—	90°	$\pm 2^\circ$	—
^a In accordance with ISO 286-1. ^b The test pieces shall have a surface roughness better than Ra 5 μ m except for the ends. ^c If another height (2 mm or 3 mm) is specified, the corresponding tolerances shall also be specified. ^d For machines with automatic positioning of the test piece, it is recommended that the tolerance be taken as $\pm 0,165$ mm instead of $\pm 0,42$ mm.							