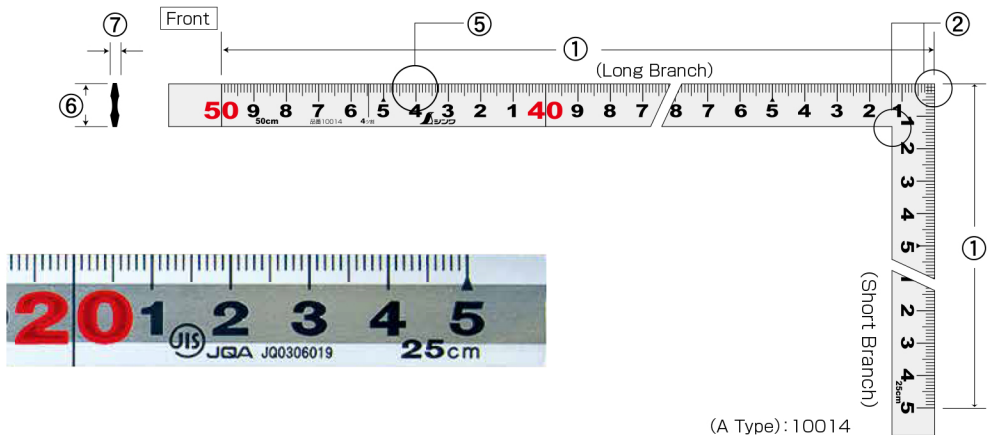


JAPANESE INDUSTRIAL STANDARD Carpenter's Square

Part of B7534-2005(abstract) as of June, 2016



(A Type): 10014

Division	Item	Standard		
Standard	JIS B7534-2005	-		
Material	Hardness	A type	B type	C type
		Hv320 min	Hv210 min	Hv210 min
Performance, Shapes and Dimensions	① Tolerances on Length	The tolerance on length of carpenter's squares shall be $\pm 0.2\text{mm}$ for an arbitrary length from its outer or inner scale reference point and the length between arbitrary two graduation lines, taking the reference temperature at 20°C.		
	② Squareness of Scale Side Face	The squareness of the scale side face of the long branch in respect to that of the short branch shall not exceed 0.1mm per 100mm		
	③ Straightness of Scale Side Face	The straightness in horizontal direction of the scale side of carpenter's square shall be less than $\frac{0.3 + \text{Overall length of long branch or short branch}}{2,500}\text{mm}$.		
	④ Flatness of Scale Face	For a carpenter's square of Type A. When it is bent so that the distance between both ends of long branch becomes $\frac{3}{4}$ the "outer scale length of long branch" and returned, the flatness of scale face of the long branch shall not exceed $\frac{1}{100}$ the "outer scale length of long branch".		
	⑤ Scale	The graduation lines shall reach the ridge of the scaled surface, as well as the squareness in respect to the ridge of scaled surface shall be less than 0.2mm per 5mm. The thickness of the graduation lines shall be 0.2 to 0.45mm. For those of the same nominal thickness, the minimum value of the actual thickness shall be at least 55% of the maximum value.		
	⑥ Width	A type·B type 15.0 \pm 0.3mm / C type 20.0 \pm 0.3mm·15.0 \pm 0.3mm		
	⑦ Thickness	A Type 1.4 \pm 0.4mm B type T:2.6 \pm 0.3mm t:2.0 \pm 0.3mm C type 2.0 \pm 0.3mm·1.0 \pm 0.3mm		
Shape	Cross Section	A type	B type	C type