

**Sawn softwood**  
**Technical requirements in accordance with GOST 8486-86**

Number	The index, attribute, defect of wood, its location	Requirements for grades				
		selective	Grade 1	Grade 2	Grade 3	4 grade
1	Wood species	coniferous (the specification of the buyer)				
2	<b>Nominal length, m:</b>					
	for the domestic market and export	from 1.0 to 6.5 with gradation 0,25				
	for the manufacture of packaging	from 0.5 to 0.1 grading				
	for bridge beams	3.25				
	for export	from 0.9 to 6.3 with 0.3 grading				
3	Deviations from nominal length, mm.	-25 to +50				
6	<b>Deviations from nominal thickness and width, mm, nominal sizes:</b>					
	up to 32 mm incl.	from -1 to +1				
	from 40 to 100 mm incl.	from -2 to +2				
	more than 100 mm.	-3 to +3				
7	<b>The smallest width of the plastic timber unedged, mm, at a nominal thickness:</b>					
	from 16 to 50 mm.	50				
	from 60 to 100 mm.	60				
	125 mm or more	60% of thickness				
<b>Note 1:</b> The dimensions of sawn timber on thickness and width are set to 20% humidity. With more or less moisture content of sawn sizes should be more or less the amount of shrinkage in accordance with GOST 6782.1-75						
8	<b>Knots fused healthy:</b>					
	<b>diameter percentage of width / number of 1 m length pieces.:</b>					
	layer and aris	20 / 2	25 / 3	33 / 4	50 / 4	allowed
	<b>Edge:</b>	allowed				
	at a thickness of 40 mm.	33 / 1	50 / 2	67 / 2	add. / 2	
9	<b>Knots partially fused and unjoint diameter as a percentage of the width / number of 1 m length (in the amount of fused), ea.:</b>					
	layer and aris	12,5 / 2	20 / 2	25 / 3	33 / 3	50 / 4
	<b>Edge:</b>					
	at a thickness of 40 mm.	25 / 1	33 / 1	50 / 2	add. / 2	add. / 2
	40 mm and more	10 mm / 1	25 / 2	33 / 2	67 / 2	add. / 3
10	Knots decayed and rotten	not allowed	diameter - on standards for intergrown and unjoint knots, the number - no more than half of their permitted number of			
<b>Note 2:</b> The diameter of the knot is measured by the distance between two lines related to knot parallel to the longitudinal axis of the timber.						
<b>Note 3:</b> Knots with a diameter less than 50% of the allowable values are not taken into account.						
<b>Note 4:</b> Knot normalized as asymphytous knot in a perfect grade is not allowed.						
<b>Note 5:</b> The timber length of 3 m may be a twig with a diameter of Standards adjacent lower grade.						
<b>Note 6:</b> In the section of length equal to the width of the timber, the sum of the sizes of knots in a straight line across this area in any direction shall not exceed the allowable diameter of the knot.						
<b>Note 7:</b> The bars (thickness and width of 100 mm or more) the number of knots is not standardized.						
11	<b>Face cracks and edge, including go to the end, length, percentage of length of sawn timber:</b>	allowed				
	shallow	16	25	33	50	
	deep	10	16	33	50	
12	<b>Face cracks cross-cutting, including going on the end:</b>					
	Length, mm.	100	150	200	-	-
	length, percentage of length n / m.	-	-	-	16	25
13	Cracks face (except for cracks from shrinkage), length, percentage of the width of the timber	not allowed	25	33	50	allowed
			(One of the ends)			
<b>Note 9:</b> The permissible sizes of cracks are set for lumber with a moisture content of 22%. At greater moisture these sizes decrease by half.						
14	Slope of grain, %	5	allowed			
15	percentage of area of sawn timber	not allowed	20	allowed		
16	<b>Resin pockets:</b>					
	amount per 1 m of length n / m, ea.	A	2	4	allowed	
	length of the pocket (on one side of timber), mm.	50	allowed			

17	Core and dual core	not allowed	allowed			
	without radial cracks in lumber thickness of 40 mm or more	not allowed	allowed			
<b>Bark (simple):</b>						
18	width, <i>the width of the lumber</i>	not allowed	10	20	25	allowed
	length, <i>percentage of length of sawn timber</i>		5	10	10	
19	Cancer, <i>length, percentage of length of sawn timber</i>	not allowed	20 but not more than 1 m.		33	allowed
20	Fungus heartwood stains, <i>area, percentage of the area of timber</i>	not allowed	10	20	allowed	
<b>Sapwood mushroom painting and mold:</b>						
21	surface	not allowed	not allowed			
	deep area, <i>percentage of the area of timber</i>		10	20	50	not allowed
22	Rot:	not allowed				
	variegated heartwood rot sieve in the form of spots and stripes, <i>area, percentage of the area of timber</i>	not allowed				10
23	Wormholes, the number of holes per 1 m length of sawn <i>timber, ea.</i>	not allowed (except for the shallow part of the wany)	2	3	6	
24	Foreign inclusions	not allowed				
<b>Acute wane:</b>						
25	width of sawn <i>layer, per cent of width sawn timber</i>	not allowed				50
	length of the sawn edge, <i>percentage of length of sawn timber</i>					25
<b>Dumb wane:</b>						
26	on faces and edges with no limit on the length, <i>size of sawn, percentage of width</i>	16	16	16	33	allowed
	edges in some areas, the <i>amount of not sawn, percentage of width</i>	33	33	33	66	
	length of the section, <i>percentage of length of sawn timber</i>	16	16	16	25	
27	Butt trimming, percentage of width or thickness of the <i>p / m.</i>	5	5	5	5	5
28	Risks <i>undulation, tear-out, depth, mm.</i>	not a deviation from the nominal thickness or width (item 5)			3	allowed
29	Crook longitudinal on layer and an edge, <i>sag, the percentages of the width of the timber</i>	0.20	0.20	0.20	0.40	allowed
30	Crook transverse, <i>sag, the percentages of the width of the timber</i>	A	A	A	2	allowed
<b>Note 10:</b> Limits are set crook for lumber moisture content of 22%. At greater humidity rate reduced by half.						
<b>Note 11:</b> Defects of wood, not mentioned in the table are allowed.						
<b>Note 12:</b> Sawn timber are delivered dry (moisture content not exceeding 22%), raw or not antiseptized.						
<b>Note 13:</b> Assessment of quality lumber, with the exception of the deck should provodits on layer or edge, the worst for this board.						