

# CONIFEROUS SAWN TIMBER OF NORTHERN GRADING SUPPLIED FOR EXPORT SPECIFICATIONS

## GOST 26002 - 83

By Decree of State Committee of the USSR of Standards dated December, 14th, 1983 No. 5894 the validity established from 01.01.85

**The limitation of validity is withdrawn by the decision of All state council for standardization, metrology and certification (Minutes 4-93)**

The present Standard is related to square edged coniferous sawn timber supplied for export through the ports of White Sea, Far East, Leningrad and Igarka.

### 1. SIZES

1.1. Sawn timber is divided:

by thickness:	as thin -	from 16 to 22 mm,
	" medium -	from 25 to 44 mm,
	" thick -	from 50 to 100 mm;
by width:	as narrow -	from 75 to 125 mm,
	" large -	150mm and wider;
by length:	as short -	from 0,45 to 2,40 m,
	" long -	from 2,70 to 6,30 m.

1.2. Nominal sizes of sawn timber by thickness and by width are as per GOST 24454-80, while thickness of sawn timber shall not exceed 100 mm.

1.3. Lengths of sawn timber are established:

from 1,5 m and up with an interval of 0,3 m,

from 0,45 up to 1,35 m with an interval of 0,15 m.

Sawn timber with lengths from 0,45 up to 1,35 m is cut by orders of State foreign trade organizations.

1.4. Nominal sizes of sawn timber are established for the wood with 20% moisture content. At the moisture content of the wood more or less than 20%, the actual values of thickness and width of sawn timber shall be more or less than nominal sizes by the correspondent value of shrinkage as per GOST 6782.1-75.

1.5. Limits of deviations from nominal sizes of sawn timber shall not exceed, mm:

by length + 25 -12

by width + 3 - 2

by thickness:

at a thickness less than 50 mm +2 -1

at a thickness of 50 mm and up +3 -2

Quantity of sawn timber with maximum values of admitted deviations should not exceed 25% of the total quantity of sawn timber.

### 2. TECHNICAL REQUIREMENTS

2.1. The sawn timber shall be produced in accordance with the terms of the present Standard using duly established technology out of the wood of pine, spruce, fir, larch and cedar.

2.2. By the quality of wood and by its transformation the sawn timber is divided on I, II, III, IV and V grades.

2.3. The sawn timber is graded: by sizes;

by spieces;

by grades - on unsorted (including I, II, III grades, the percentage of which shall correspond to the natural felling of timber while sawing), the IV grade separately, the V grade separately. Braking of short sawn timber on unsorted together with the IV grade, the V grade separately, is admitted. In a consignment of spruce sawn timber up to 15% of fir are admitted.

2.4. Moisture content of sawn timber shall not exceed 22%. Alteration of the value of the moisture content by orders of State foreign trade organizations is admitted.

2.5. Fungidal treatment of sawn timber - as per GOST 10950-78.

2.6. Quality of the wood and that of the transformation of sawn timber shall correspond to the requirements, indicated in Tables 1 - 3.

## PINE, CEDAR AND LARCH SAWN TIMBER

defect of wood as per GOST 2140-81	Norm of limit of defects of wood by grades											
	1		2		3		4		5			
	size	number	size	number	size	number	size	number	size	number		
1. Knots 1.1. Intergrown sound 1.1.1. Round and oval 1.1.1.1. Face	Admitted on outside face in dimensions in mm and in number in pieces in average per 1,0 m of the length of sawn timber:											
	<b>In thick large sawn timber</b>											
	13-17	1	18-27	1	28-38 over 38 up to 50	2  1	Admitted					
	<b>In thick narrow sawn timber</b>											
	10-14	1	15-24	1	25 over 25 up to 38	2  2	Admitted					
	<b>In medium large sawn timber</b>											
	10-14	1	15-18	1	19-25 over 25 up to 38	3  1	Admitted					
	<b>In medium narrow sawn timber</b>											
	10-14	1	15-18	1	19-25 over 25 up to 32	3  1	Admitted					
	<b>In thin sawn timber</b>											
	10-14	1	15-18	1	19-22 over 22 up to 32	2  1	Admitted					
	In sawn timber 75 mm width all thickness the diameter of knots shall not exceed:											
	1/4		1/3		1/2		2/3		Admitted			
	Number of knots on the inside face of sawn timber of 1 and 2 grades is admitted twice more, and in 3 grade one and a half times more than the norms admitted for the outside face											
1.1.1.2. Edge and arris	Admitted on each edge with dimensions in mm and in number in pieces for the whole length of sawn timber											
	<b>In thick sawn timber</b>											
	up to 6	3-4	7-12  13-19	3-5  3-5	13-16 over 16 up to 25 over 25 up to 32	5-8  3-5  3	Admitted					
	<b>In medium sawn timber</b>											
	up to 6	2-3	7-12  13-19	2-4  2-3	13-16 over 16 up to 3/4 of thickness	2-4  2-4	Admitted					
<b>In thin sawn timber</b>												
up to 6	1-2	7-10	1-2	up to 2/3 of thickness	2	Admitted						
1.1.1.3. End	Admitted on each end with dimension in mm and number in pieces:											
	Not admitted				25		1		Admitted			
1.1.2. Spike, branched including showing on arris and traversing	Admitted in the inside face of sawn timber within total number of intergrown round and oval knots with dimensions and number as per 1.1.1.1., 1.1.1.2.											
	Size of knots in mm by it s maximum diameter is admitted of not more than:											
	38		50		Admitted							
	Showing of knots on edges											
	Admitted with depth of not more than:											
	Not admitted		1/4		1/3		Admitted					
of the sickness of sawn timber												
1.2. Dead sound, rotten, unsound and tobacco	Admitted on the outside face within the number of intergrown sound knots with dimensions in mm and in number in pieces in average per 1,0 m of the length of timber											
	<b>In thick large sawn timber</b>											
	Not admitted				25		1		63		1	
	Transparent rotten unsound and tobacco											
	Not admitted				25		1		Admitted			
	<b>In thick narrow sawn timber</b>											
	Not admitted				19		1		50		1	
	Transparent unsound, rotten and tobacco											
	Not admitted				25		1		Holes from loose knots shall not exceed 32 mm narrow, 38 mm			
	<b>In medium large sawn timber</b>											
	Not admitted				19		1		50		1	
	Transparent unsound, rotten and tobacco											
Not admitted				19		1		Admitted				
<b>In medium narrow sawn timber</b>												

	Not admitted	13	1	38	1	--		
	Transparent unsound, rotten and tobacco							
	Not admitted			19	1	--		
	<b>In thin sawn timber</b>							
	Not admitted	Sound only		--	--	--		
		13	1	38	1			
		Transparent unsound, rotten and tobacco						
		19	1					
	<b>In medium sawn timber</b>							
	Not admitted	Sound only		32	2-4	Admitted		
		10	1-2					
	<b>In thin sawn timber</b>							
	Not admitted	Sound only		25	2-4	Admitted		
		6	1-2					
	Holes from loose knots on edge							
	Not admitted	Admitted not more than:			Admitted			
		in thick - 1/4; in medium - 1/3; in thin - 1/2 of the thickness	thickness of timber with showing on outside face not more than 2,0 mm					
	In sawn timber 75 mm width, all thickness size of knots shall not exceed:							
	Not admitted	1/3		1/2 of the width of face		2/3		
1.2.2. Edge and arris, incl. holes from loose knots	Admitted on each edge with dimensions in mm and by number in pieces on the whole length of a piece of sawn timber.							
	<b>In thick sawn timber</b>							
	Not admitted	13	1-2	38	2-4	Admitted		
	<b>In medium sawn timber</b>							
	Not admitted	Sound only		32	2-4	Admitted		
		10	1-2					
	<b>In thin sawn timber</b>							
	Not admitted	Sound only		25	2-4	Admitted		
6		1-2						
	Holes from loose knots not more than:							
Not admitted	Admitted with depth not more than:			Admitted				
	in thick -1/4; in medium -1/3; in thin -1/2 of thickness of sawn timber	thickness of sawn timber with showing on outside face not more than 2,0 mm						
1.2.3. End	Not admitted			Admitted				
2. Fissures 2.1. Side fissure 2.1.1. Face shake 2.1.1.1. Nonsplit	Admitted with extent of not more than:					Admitted provided for the integrity of the piece of wood is maintained		
	1/3	1/2	2/3					
	of the length of sawn timber							
	without showing on edges and ends		with showing on one end with depth up to 1/3 of thickness without showing from end to edge					
2.1.1.2. Split 2.1.1.2.1. Split without showing on the end, incl. ring shake	Not admitted	Admitted without showing on edges on outside and inside faces with length of not more than:				Admitted provided for the integrity of the piece of wood is maintained		
		<b>In thick sawn timber</b>						
		1/5 (1/2)	1/3 (2/3)					
		<b>In medium sawn timber</b>						
		1/10 (1/4)	1/5 (1/3)					
of the length of sawn timber								
<b>In thin sawn timber</b>								
Not admitted								
Note: Dimensions of fissures shown without brackets concern outside face, while those in brackets concern inside face								
2.1.1.2.2. Split showing on an end	Admitted with extension from each end of not more than, mm:					of the width of timber		
	30	40	50	600				
2.1.2. Edge shakes	Admitted				Admitted			
	not deep with length not more than 40 cm		not crossing the rib of the edge					
2.2.1. Heart shake	Not admitted		Admitted in thick sawn timber on one end with length not more than 1/2 of width of timber		Admitted			
2.2.2. Ring shake	Not admitted		Admitted with diameter not more,		Admitted			

			mm: in sawn timber wide 25 to 44 mm-10, over 44 to 63 mm-19, over 63 mm - 25	
3. Defects of structure of wood	Admitted provided for the deviation of grains from the straight direction per 0,3 m of the length of a piece of timber presents not more than, mm:			Admitted
3.1. Slope of grains	10	19	25	
3.2. Compression wood	Admitted without cracks on ends			Admitted
3.3. Resin pocket	On faces			Admitted
	<b>In thick sawn timber</b>			
	Admitted unilateral with width not more than, mm:			
	3	3	6	
	with length up to, mm			
	75	100	200	
	in number on each face not more than, pcs			
	2-3	4-6	8	
	<b>In medium and thin sawn timber</b>			
	Admitted unilateral of width not more than, mm			
	3	3	6	
	with length up to, mm			
	25	75	125	
	in number on each face not more than, pcs			
	2-3	3-4	5	
	without showing on edges and ends			--
Note: Above numbers of resin pockets are admitted: smaller - on outside face, bigger - on inside face				
	On edges			
	Not admitted	Admitted		Admitted
		1/2 of norm stipulated for the outside face	width up to 3 mm, length up to 100mm in number up to 4 pcs on each edge	
	On ends			
	Not admitted		Admitted in medium and thick sawn timber of width up to 3 mm and of length up to 1/3 of width of sawn timber	Admitted
3.4. Pith	Admitted in sawn timber thick over 25 mm (without ring and radial shakes)		--	Admitted
	long up to 1/2 of length of sawn timber showing on one end at distance not more than 1/6 of thickness of timber from inside face	long the whole length of sawn timber showing on one end at distance not more than 1/4 of thickness of timber from inside face	Admitted	
	<b>In sawn timber thick 25 mm and thinner</b>			
	Not admitted		Admitted attached to inside face with showing on outside face	Admitted
Note: In a consignment of sawn timber of grade 3 not more than 30% of pieces with heart are admitted				
3.5. Inbark	Not admitted		Admitted on faces, nonthrough, wide not more than 25 mm. 1 pc at length 75 mm and up to 3 pcs at length up to 50 mm each; on edges - 2 pcs up to 2 mm wide with length not more than 15 mm; on ends - not admitted	Admitted wide up to 50 mm: in thick sawn timber one-faced with unlimited length, in medium and thin sawn timber - with length up to 175 mm
3.6. Gum spot	Not admitted	Admitted in form of stains and streaks on faces and edges		Admitted
4. Fungal defects	Not admitted			Admitted
4.1. Fungal heartwood stains (streaks)			Admitted in thick sawn timber on face or edge without showing on ends, up to 1/5 of width and length Not admitted in medium and thin sawn timber	Admitted on faces and edges up to 1/2 of width and length of sawn timber, showing on end - not more than 10% of the surface of the end
4.2. Light fungal sap colorations and must	Not admitted		Admitted on faces and edges deep up to 2	Admitted on faces and edges in shape of

4.2.1. Surface		mm in shape of stains and streaks with total surface on all surfaces of the board not exceeding 15% of one face	stains and streaks; showing on end not exceeding 10% of its surface	
4.2.2. Deep	Not admitted	Admitted on faces and edges in shape of stains and streaks with total surface on all surfaces of the board not exceeding 5% of total surface of one face	Admitted on faces and edges in shape of stains and streaks with total surface not more than 50% of surface of one face and edges; showing on end - not more than 10% of its surface	Admitted
Note: The volume of sawn timber with the maximum admitted norm of deep fungal sap coloration in a consignment of 4 grade shall not exceed 25%				
4.3. Rot 4.3.1. Sap rot 4.3.1.1. Hard	Not admitted	Admitted in thick sawn timber on faces or edges without showing on ends, up to 1/5 of width and length of timber. In medium and thin sawn timber- not admitted	Admitted on faces and edges up to 1/2 of width and length of timber without showing on end	Admitted
4.3.1.2. Soft	Not admitted			
4.3.2. Heart rot	Not admitted			Suffocated cracked not admitted. Mottled sieved hard admitted on all surfaces in the shape of streaks with total surface not exceeding 50% of surface of one face. Ends' rot shall not exceed 20% of surface of an end
4.3.3. Superficial rotten	Not admitted			
5. Insect damages 5.1. Worm-hole	Not admitted			Admitted superficial caused by beetles

**SPRUCE AND FIR SAWN TIMBER**

**Table2**

defect of wood as per GOST 2140-81	Norm of limit of defects of wood by grades									
	1		2		3		4		5	
	size	number	size	number	size	number	size	number	size	number
1. Knots 1.1. Intergrown sound 1.1.1. Round and oval 1.1.1.1. Face	Admitted on outside face in dimensions in mm and in number in pieces in average per 1,0 m of the length of sawn timber:									
	<b>In thick sawn timber</b>									
	13 over 13 up to 19 over 19 up to 25	3 1 1	19-25 over 25 up to 38 (over 38 up to 50)	3 2 1-2 on whole length	Admitted		Admitted			
					70-75	1-2 on whole length				
			with absence of rotten, unsound and tobacco knots	with absence of registered rotten, unsound and tobacco knots						
	<b>In medium sawn timber</b>									
13 over 13 up to 19	2 1	19-25 over 25 up to 37	2 1	38-50 (over 50 up to 63)	1 1-2 on whole length	Admitted				
										with absence of registered rotten, unsound and tobacco knots
<b>In thin sawn timber</b>										

	13-8	1	19-31	1-2	32 (over 32 up to 63)	3 1	Admitted
					with absence of registered rotten, unsound and tobacco knots		
	In sawn timber 75 mm width all thickness size of knots shall not exceed:						
	1/3		1/3		1/2		2/3
	of width of face						
Notes:							
1. Knots, sizes of which are shown in brackets, are admitted within accounted knots of smaller size							
2. Quantity of knots on inside face is admitted: in 1 grade - in double number, in 2 grade - in one and a half, in 3 grade in one time against the norms stipulated for outside face							
1.1.1.2. Edge and aris	Admitted on each edge with dimensions in mm and in number in pieces for the whole length of sawn timber						
	<b>In thick sawn timber</b>						
up to 13 over 13 up to 16 over 16 up to 18	8 4						Admitted
	1-3	19-43	3-6	44-50	1-3		
	<b>In medium sawn timber</b>						
up to 13	2-3	from 14 up to 2/3 of width of sawn timber	2-3	from 19 up to 3/4 of width o sawn timber	3-5		Admitted
	<b>In thin sawn timber</b>						
up to 6	2-3	from 7 up to 12	1-2	2-4			Admitted
1.1.1.3. End	Admitted on each end with dimension in mm and number in pieces:						
	On one end one knot with size up to 25	One knot on end with size up to 25		25	1		Admitted
				on each end			
1.1.2. Spike, branched including showing on aris and traversing	Admitted on the inside face of sawn timber within total number of integrown round and oval knots with dimensions and number as per 1.1.1.1., 1.1.1.2. In sawn timber of 1 grade the biggest diameter of branched knot shall not exceed 50 mm and its showing on the edge shall not exceed 1/4 of the width of sawn timber						
1.2. Dead sound, rotten, unsound and tobacco	Admitted in the each face within the number of integrown sound knots with size in mm and number in pcs for the whole length of sawn timber						
1.2.1. Face	<b>In thick sawn timber</b>						
	Not admitted	up to 30	3-6	over 30 up to 50	3-6	Admitted	Admitted, holes from loose knots shall not exceed 32 mm in narrow, 38 mm in wide timber
	Transparent unsound, rotten and tobacco						
	Not admitted					up to 38	Admitted
	<b>In medium sawn timber</b>						
	Not admitted	up to 20	2-4	over 20 up to 25	1-3	Admitted	
	Transparent unsound, rotten and tobacco						
	Not admitted					up to 25	Admitted
	<b>In thin sawn timber</b>						
	Not admitted	up to 16	1-3	over 16 up to 22	1-3	Admitted	
	Transparent unsound, rotten and tobacco						
	Not admitted					up to 25	Admitted
	In sawn timber 75 mm of width, all thickness size of knots shall not exceed:						
	Not admitted			1/3		1/2	Admitted
	of the width of face						
1.2.2. Edge and aris, incl. holes from loose knots	Admitted on each edge with dimensions in mm and by number in pieces on the whole length of a piece of sawn timber:						
	<b>In thick sawn timber</b>						
	Not admitted	up to 15	1-2	16-25	2-4	Admitted	
	<b>In medium sawn timber</b>						
	Not admitted			13-19	1-3	Admitted	
	<b>In thin sawn timber</b>						
	Not admitted			6-10	1-2	Admitted	
	Holes from loose knots on edge:						
	Not admitted			Admitted with depth up to:			Admitted
				2/3 of the width of sawn timber	the width of sawn timber with showing of outside face up to 2 mm		

1.2.3. End	Not admitted			Admitted	
2. Fissures 2.1. Side fissure 2.1.1. Face shake 2.1.1.1. Nonsplit	Admitted with extent of not more than:			Admitted provided for the integrity of the board is maintained	
	1/3	2/3	3/4		
	of the length of sawn timber				
	without showing on edges and ends		with showing on one end up to 1/2 of thickness of sawn timber, but without showing from end to edge		
2.1.1.2. Split 2.1.1.2.1. Split without showing on the ends, incl. ring shake	Not admitted	Admitted on outside for ring shakes on inside faces with length of not more than:		Admitted provided for the integrity of the piece of wood is maintained	
		1/4	1/3		
		of the length of sawn timber			
2.1.1.2.2. Split showing on an end	Admitted with extension from each end of not more than, mm:				
	50	75	100	the width of timber	600
2.1.2. Edge shakes	Admitted, mm:				
	superficial with length not more than 75		not crossing the rib of the edge	Admitted	
2.2. End shake 2.2.1. Heartshake	Not admitted		Admitted in thick sawn timber on one end with length not more than 3/4 of width of timber	Admitted provided for the integrity of the piece of wood is maintained	
	2.2.2. Ring shake		Admitted with diameter not more, mm: in sawn timber wide from 25 to 44 mm - 10, over 44 to 63 mm - 19, over 63 mm - 25	Admitted provided for the integrity of the piece of wood is maintained	
3. Defects of structure of wood 3.1. Slope of grains	Admitted provided for the deviation of grains from the straight direction per 0,3 m of the length of a piece of timber presents not more than, mm:			Admitted	
	13	25	38		
3.2. Compression wood	Admitted without cracks on ends			Admitted	
3.3. Resin pocket	<b>On faces</b>				
	Admitted on each face without showing on ends and edges with width up to 3 mm and with length not more than, mm:		Admitted one side with width up to 6 mm and length up to 200 mm 10 pcs on each face	Admitted	
	75	150			
	in number not more than, pcs:				
	3	5			
	<b>On edges</b>				
	Admitted with sizes and number not more than 1/2 of those stipulated for the face			Admitted	
	<b>On ends</b>				
Not admitted		Admitted in medium and thick sawn timber with width up to 3 mm and length up to 1/3 of width of sawn timber	Admitted		
3.4. Pith	<b>In sawn timber less than 22 mm of width</b>				
	Not admitted			Admitted	
	<b>In sawn timber 22-24 mm of width</b>				
	Admitted on the whole length of piece of timber with showing on one or both ends at the distance from internal face not more than:			Admitted	
	1/4	1/3	1/3		
	of the thickness of piece of timber without radial and ring shakes in 1 and 2 grades				
	<b>In sawn timber with width over 44 mm</b>				
	Admitted on the whole length at distance from inside face not less than 1/4 of the width of sawn timber		Admitted		
In a lot of sawn timber of 3 grade not more than 30% of heart wood with pith are admitted					
3.5. Inbark	Not admitted		Admitted on faces,	Admitted	

			nonthrough up to 4 pcs in sawn timber 50 mm and thicker: with length 125 mm and width up to 25 mm; in sawn timber less than 50 mm width: with length 63 mm and width up to 15mm; on edges 2 pcs with width up to 2 mm and length not more than 20mm							
3.6. Gum spot	Not admitted	Admitted in form of stains and streaks on faces and edges		Admitted						
4. Fungal defects 4.1. Fungal heartwood stains (streaks)	Not admitted		Admitted in thick sawn timber on face or edge without showing on ends, up to 1/4 of width and length Not admitted in medium and thin sawn timber	Admitted on faces and edges up to 1/2 of width and length of sawn timber, showing on end - not more than 10% of the surface of the end  Admitted						
4.2. Light fungal sap colorations and must 4.2.1. Surface	Not admitted		Admitted on faces and edges deep up to 2 mm in shape of stains and streaks with total surface on all surfaces of the board not exceeding 15% of one face	Admitted on faces and edges in shape of stains and streaks  Admitted						
4.2.2. Deep	Not admitted		Admitted on faces and edges in shape of stains and streaks with total surface on all surfaces of the board not exceeding 5% of total surface of one face	Admitted on faces and edges in shape of stains and streaks with total surface not more than 50% of surface of one face and edges  Admitted						
Note: The volume of sawn timber with the maximum admitted norm of deep fungal sap coloration in a consignment of 4 grade shall not exceed 25%										
4.3. Rot 4.3.1. Sap rot 4.3.1.1. Hard	Not admitted		Admitted on faces or edges up to 1/5 of width and length of timber.	Admitted on faces and edges up to 1/2 of width and length of timber without showing on end  Admitted						
4.3.1.2. Soft	Not admitted									
4.3.2. Heart rot			Admitted hard, on one surface with dimensions up to 1/5 of width and length of piece of timber without showing on ends	Admitted hard on one face with dimension up to 1/4 of width and 1/3 of length of piece of timber, slightly transient on another face and on edges  Suffocated cracked not admitted. Mottled sieved hard admitted on all surfaces in the shape of streaks with total surface not exceeding 50% of surface of one face. Ends' rot shall not exceed 20% of surface of an end						
4.3.3. Superficial rotten	Not admitted									
5. Insect damages 5.1. Worm-hole	Not admitted			Admitted superficial caused by beetles						
Notes to Tables 1 and 2: 1. Number of knots on the whole length of a piece of timber, shown "from - up to" means, that the lower number is admitted in short timber, while the bigger number - in long timber. 2. Knots of sizes less than indicated shall not be considered. 3. Intergrown knots include those, which, on one face, are intergrown on the whole perimeter of the section of the knot, and, on the other face or edge dead on the whole perimeter of the section of the knot. 4. In unsorted sawn timber simultaneous presence of dead knots, shakes and fungal sapstains of maximum allowed norms is not admitted. 5. At the absence of other normalized defects, one defect (except blue stains and shakes) exceeding by 20% the established norms is admitted										
Table 3										
defect of wood as per GOST 2140-81	Norm of limit of defects of wood by grades									
	1		2		3		4		5	
	size	number	size	number	size	number	size	number	size	number
1. Mechanical treatment defects 1.1. Wane 1.1.1. Obtuse	Admitted on one edge with extension of not more than:						Admitted on both		Admitted on both	

	1/5	1/4	1/3	edges extended not more than 2/3 of the length of piece of timber	edges through whole length with cut not less than 1/3 of thickness and width of piece of timber
	of the length of the piece of timber				
	on both edges:				
	1/10	1/5	1/4		
	of the length of the piece of timber				
	Thickness of wane, counted by the rate of uncut part in mm. is admitted at no more than				
	In sawn timber with thickness up to 25 mm:				
	1/4	1/3	1/2	2/3	
	of the thickness of the piece of timber				
	In sawn timber with thickness over 25 mm				
	1/5	1/4	1/3	2/3	--
	of the thickness of the piece of timber			Wane admitted on condition that cut part of edge shall be not less than 1/2 of thickness of sawn timber	
1.1.2. Sharp	Not admitted				Admitted on one edge not more than 1/10 of length of piece of timber provided for the nominal width of inside face is maintained
	The wane shall be cleared of bark and bast, in sawn timber of 5 grade the bast may be left				
1.2. Tooth marks	The depth of sawtooth mark shall not exceed 0,75 mm				
1.3. Fringe	Not admitted				
1.4. Cut scarf	Deviations from the perpendicularity of an end to a face and to an edge are admitted up to 3% of the width and of the thickness of the piece of timber correspondingly				
1.5. Shatters	Shatters due to mechanical injuries, kerfs, marks of knives of debarking machines on edges, related to the internal face of the piece of timber, are not admitted; those related to the external face, admitted within the norms of wane				
1.6. Snaking	The height of the wave shall not exceed 0,75 mm				
1.7. Shears	On faces:				
	Admitted with depth not more than 0,75 mm without limitations of number		Admitted deep not more than 5 mm unlimited in number	Admitted	
1.8. Foreign particles (nails, wire, metal splits etc.)	Not admitted				
	On edges:				
	Admitted deep not more than 3 mm unlimited in number		Admitted deep not more than 5 mm unlimited in number	Admitted	
2. Warps					
2.1. Spring	Admitted with deflection of not more than, %;				Admitted
	0,10	0,10	0,15	0,20	
	of the length of sawn timber				
Notes:					
1. Quantity of sawn timber with admitted springs by edges shall not exceed 20% of the total quantity of the said grade					
2. Values of spring by edges for sawn timber of different lengths are shown in reference Annex					
2.2. Bow	Admitted with deflection per each 1,5 m of the length of sawn timber of not more than, mm:				Admitted
	2	4	6	13	
2.3. Cup	Admitted with deflection of not more than, mm:				Admitted
	In thick sawn timber				
	3	3	6	10	
	In thin sawn timber				
	1	1	3	6	
2.4. Twist	Admitted with a deviation from the saw kerf plane not more than 13 mm for the whole length of sawn timber				Admitted
Notes:					
1. Quantity of sawn timber with bow, cross spring and twist, limited in p.p. 2.2. - 2.4. shall not exceed in unsorted timber -10%, and in 4 grade - 20% of the total quantity					
2. Limiting norms of snaking and shears are shown for sawn timber produced on chip-and-saw and chip-and-square aggregates					

### 3. RULES OF ACCEPTANCE AND METHODS OF CONTROL

3.1. Rules of acceptance and methods of control - as per GOST 6564-84.

3.2. Sizes of knots are determined by the smallest diameter. Measurement of splay, branched, showing on edges, traversing splay and edged knots shall be made by the extension of the section of the knot on the edge of the piece of timber. Their size to be taken as per the norms of admitted knots on edges. Their depth of shoving on the edge shall be measured by the distance between the edge and the tangent put in parallel to the edge

### 4. PACKAGING, MARKING, TRANSPORTATION AND STOCKING

4.1. The sawn timber shall be bundled in packages or in block-packages. Laying-up, marking, bundling, transportation and stocking of packages and block-packages - as per GOST 19041-85.

Sawn timber of 75 mm of width of all lengths and grades is admitted to be pre-packed before packaging into bundles bundled with wire as per GOST 3282-74 or with other bundling facilities equal by strength to the said material.

Sizes of packages and block-packages - as per GOST 16369-88.

4.2. Piece-by-piece marking of sawn timber shall be made as per normo-technical documentation.

4.3. Sawn timber shall be transported by all means of transportation in accordance with the rules of cargo transportation valid for the said mean of transport.

4.4. Stocking of sawn timber - as per GOST 3808.1-80.