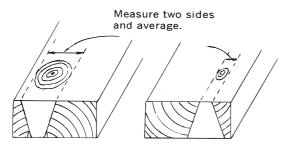
KNOTS AND HOW TO MEASURE





Reverse

GRADE	KNOT SIZE ON NARROW FACE	INTO PIECE	
No. 1	1-1/2"	1/2 of width (Fig. 1)	
	1"	3/4 of width (Fig. 2)	
No. 2	1-1/2"	Slightly less than 3/4 of width.	
No. 3	1-1/2"	Slightly less than width	

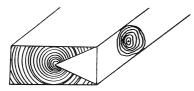


Figure 1

1-1/2" Narrow face knot extending 1/2 of width.

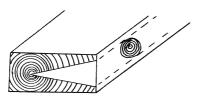


Figure 2



GRADER'S POCKET GUIDE FOR 2" DIMENSION

SOUTHERN PINE INSPECTION BUREAU PENSACOLA, FLORIDA

^{1&}quot; Narrow face knot extending 3/4 of width.



SPIB GRADING RULES FOR 2-INCH DIMENSION

CHARACTI	ERISTICS	SEL STR	NO.1	NO.2	NO.3
COMPRES	RESSION WOOD NOT ALLOWED IN DAMAGING FORM FOR THE GRADE CONSIDERED		D		
SLOPE OF	GRAIN	1" in 12"	1" in 10"	1" in 8"	1" in 4"
DECAY		Not Permitted	Not Permitted	Heart center, 1/3 thickness X 1/3 width	Heart Center, 1/3 cross section. Must not destroy nailing edge. See para. 710(e)
HOLES		Same as unsound knots	Same as unsound knots	See chart below	See chart below
KNOTS	2x4 2x5 2x6 2x8 2x10 2x12	Edge Centerline Knots 3/4" 7/8" 3/4" 1" 1-1/2" 7/8" 1" 1-1/8" 1-7/8" 1" 1-1/2" 2-1/4" 1-1/4" 2-1/4" 3" 1-1/4" Sound, firm, encased, pith, tight & well spaced. One hole or equivalent smaller holes per 4 lin. ft.	Unsound Edge Centerline Knots 1" 1-1/2" 1" 1-1/4" 1-7/8" 1-1/8" 1-1/2" 2-1/4" 1-1/4" 2" 2-3/4" 1-1/2" 3" 3-3/4" 1-1/2" Sound, firm, encased, pith, tight & well spaced. One hole or equivalent smaller holes per 3 lin. ft.	Edge Centerline Holes 1-1/4" 2" 1-1/4" 1-5/8" 2-3/8" 1-3/8" 1-7/8" 2-7/8" 1-1/2" 2-1/2" 3-1/2" 2" 3-1/4" 4-1/4 2-1/2" 3-3/4" 4-3/4* 3" Well spaced knots of any quality. One hole or equivalent smaller holes per 2 lin. ft.	Edge Centerline Holes 1-3/4" 2-1/2" 1-3/4" 2-1/4" 3" 1-7/8" 2-3/4" 3-3/4" 2" 3-1/2" 4-1/2" 2-1/2" 4-1/2" 5-1/2" 3" 5-1/2" 6-1/2" 3-1/2" Well spaced knots of any quality. One hole or equivalent smaller holes per 1 lin. ft.

SHAKES		Ends: same as splits Elsewhere: 2' surface; none through	Ends: same as splits Elsewhere: surface 3' or 1/4 length; 2' through	1/6 length if through at edges or ends, elsewhere through shakes 1/3 length		
CHECKS		Surface seasoning checks not limited Through checks at ends limited as splits				
SKIPS		Hit and miss in 10% of the pieces. See para. 720(f)	Hit and miss. 5% of the pieces may be hit or miss or heavy skip for 2'. See para. 720(e, f, and g)	Hit or miss. 10% of the pieces may have heavy skip. See para. 720(e and g)		
SPLITS		Equal to the width	Equal to 1-1/2 times the width	Equal to 1/6 length		
WANE		1/4 thickness x 1/4 width x full length or equivalent; must not exceed 1/2 thickness x 1/3 width for up to 1/4 length. Also see para. 750.	1/3 thickness x 1/3 width x full length or equivalent; must not exceed 2/3 thickness x 1/2 width for up to 1/4 length. Also see para. 750.	1/2 thickness x 1/2 width x full length or equivalent; must not exceed 7/8 thickness or 3/4 width for up to 1/4 length. Also see para. 750.		
BOW		10' /1-3/8"; 12' /1-1/2"; 14' /2"; 16' /2-1/2"	10' /1-1/2"; 12' /2"; 14' /2-1/2"; 16'/ 3-1/4"	10' /2-3/4"; 12' /3"; 14' /4"; 16' /5"		
CROOK	<u>Size</u> 2x4 2x6 2x8 2x10 2x12	10' 12' 14' 16' 3/8" 1/2" 5/8" 3/4" 5/16" 7/16" 9/16" 11/16" 1/4" 13/32" 1/2" 9/16" 7/32" 3/8" 7/16" 1/2" 3/16" 9/32" 3/8" 7/16"	10' 12' 14' 16' 1/2" 11/16" 7/8" 1" 7/16" 5/8" 3/4" 7/8" 3/8" 1/2" 5/8" 3/4" 1/4" 7/16" 1/2" 5/8" 3/16" 3/8" 3/8" 1/2"	10' 12' 14' 16' 3/4" 1" 1-1/4" 1-1/2" 5/8" 7/8" 1-1/8" 1-3/8" 1/2" 13/16" 1" 1-1/8" 7/16" 3/4" 7/8" 1" 3/8" 9/16" 3/4" 7/8"		

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DENSE GRAIN: Requires 6 rings/inch & 1/3 summerwood or 4 rings/inch & 1/2 summerwood.

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EXCEPTIONALLY LIGHT WEIGHT PIECES: Should not be placed in No.2N and higher grades (Exceptionally light weight pieces have less than 15% summerwood).