Jack Pine

Pinus banksiana

for millwork applications

Jack pine is an indigenous softwood species which is available in abundant volumes from Quebec. It slow growth and sound tight knot structure are such that it is highly suitable in knotty appearance applications. Jack pine has excellent machining and glueing properties. It texture and colour are such that it readily accepts all types of finishes.

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Colour	Sapwood is nearly white in colour, the heartwood is often orange to light brown.
Texture	Medium and uneven. Grain generally straight.
Common usage	**Premium:** DIY market, panelling, joinery/millwork, fencing (wane free), patio (5/4), furniture **No. 2 & Better:** Framing/Carcassing, flooring, industrial lumber, boards, doors, windows, bed frames **No. 3:** Pallets, crating, packaging
Carcassing	Jack Pine is also part of the SPF group for carcassing and structural application.
Density	444 kg/m^3 (volume air dry (12%), weight ovendry)

Machining properties in decreasing order of the overall performance of 17 species*

Species	Planing good to excellent (%)	Sanding excellent (%)	Boring brad point good to excellent (%)	Boring multiple spur good to excellent (%)	Mortising fair to excellent (%)	Shaping fair to excellent (%)	Turning fair to excellent (%)	Average (%)
Red pine	83	68	96	80	78	72	96	82
Yellow birch	89	52	98	86	56	78	100	80
Eastern white cedar	71	94	100	68	56	60	98	78
Sugar maple	69	82	98	100	38	56	100	78
Jack pine	57	84	94	76	62	58	94	75
Trembling aspen	74	4	98	66	98	86	96	75
Tamarack	49	84	98	64	66	82	72	74
White birch	70	8	98	88	66	74	100	72
Black spruce	66	52	92	80	52	68	90	71
Eastern white pine	78	52	100	86	24	58	100	71
Red maple	63	40	92	98	42	50	100	69
Scots pine	66	40	96	80	36	70	94	69
Norway spruce	66	74	96	56	70	58	50	67
White spruce	67	52	92	50	44	74	62	63
Balsam fir	47	54	94	62	64	52	54	61
Sugi	91	66	96	54	24	60	30	60
Eastern hemlock	36	72	94	56	18	66	6	50

Source : Forintek Canada Corp. Tests are based on ASTM D 1666-87

* Values are the pourcentage of tested specimens reaching the indicated performance.

Regular Canadian Rough Green Sizes – Boards

Nominal sizes (inches)	Net sizes (inches)	Net sizes (mm)
1” x 3”	7/8” x 2 3/4”	22 mm x 70 mm
1” x 4”	7/8” x 3 3/4”	22 mm x 95 mm
5/4” x 3”	1 1/4” x 2 7/8”	32 mm x 73 mm
5/4” x 4”	1 1/4” x 3 7/8”	32 mm x 98 mm
5/4” x 5”	1 1/4” x 4 7/8”	32 mm x 123 mm
5/4” x 6”	1 1/4” x 5 7/8”	32 mm x 149 mm

* Green rough sizes may vary from mills to mills and are available upon request

Canadian Kiln Dry Finish Sizes – Boards

Nominal sizes (inches)	Net sizes – D4S (inches)	Net sizes – D4S (mm)
1” x 3”	3/4” x 2 1/2”	19 mm x 64 mm
1” x 4”	3/4” x 3 1/2”	19 mm x 89 mm

Structural Dimensions for Rough Green Lumber

Nominal sizes (inches)	Net sizes (inches)	Net sizes (mm)
2” x 3”	1 11/16” x 2 3/4”	43 mm x 70 mm
2” x 4”	1 11/16” x 3 3/4”	43 mm x 95 mm
2” x 6”	1 11/16” x 5 3/4”	43 mm x 146 mm

Canada Wood
Produits de bois canadien

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