

# TROPICAL WALNUT

*[Juglans Neotropica, Juglandaceae]*

Species of *Juglans* are among the most beautiful commercial timber in the world. Quartered wood displays a beautiful dark brown color with blackish striped figure. The Persian Walnut, Asian Tropical Walnut and the American Black Walnut and its allies are important for their attractive timber which (except in young trees) is hard durable, dense, tight grained and can be polished to a very smooth finish. The color ranges from creamy white in the sapwood to a dark chocolate color in the heartwood. When kiln dried, walnut wood tends toward a dull dark brown color but when condition can become rich purplish to dark brown. Because of its color, hardness and exotic grain, it is a prized furniture carving and decorative wood. Veneer sliced from walnut is on the most valuable and highly prized by cabinet makers and prestige car manufacturers. Walnut wood has been the timber of choice for gun makers, it is used for exclusive sporting guns.

## Common Name

Nogal, Tropical Walnut, South American Walnut, African Walnut

## Common Uses

- Ship & Boat building
- Domestic flooring
- Rustic Furniture
- Cabinetmaking
- Interior trim
- Interior construction
- Bedroom Suite
- Instrument cases



## Numerical Values

Category	Green	Dry	Unit
Bending Strength	1320	890	kg/cm <sup>2</sup>
Stiffness	130	165	1 k kg/cm <sup>2</sup>
Hardness		1200	cm-kg
Weight		820-1020	kg/cm <sup>3</sup>
Radial Shrinkage (G->OD)		4.5	%
Tangential Shrink (G->OD)		7	%

## Species Distribution

Region : South America, Central Asia, West Africa, Southeast Europe

*The species is usually found in tropical hardwood forests and prefer moist soils of valleys and slopes. tropical walnut is reported to tolerate greater temperature extremes than Black Walnut.*

## Nailing

Nailing and nail holding characteristic are reported to be very good.

## Sanding

Sanding characteristic are rated as very good.

## Polishing

Polishing characteristics are reported to be excellent.

## Strength Properties

The species is considerably stronger than White Oak or Teak. It has exceptionally high bending strength qualities when air-dried. Maximum crushing strength, or compression parallel to grain, is exceptionally high. It is hard and resistant to wear. The wood is exceptionally heavy. It weighs much more than Hard Maple or Teak.

