

75 TYPES OF WOOD

RANKED BY HARDNESS

AND HOW THEY ARE USED

Tools	Decorative	Boats	Buoys	Matches	Paper
Flooring	Archery Bows	Fencing	Surfboards	Framing	Piano Keys
Railroad	Exterior Lumber	Pallets	Toys	Snowshoes	Baseball Bats
Furniture	Cabinetry	Ladders	Crates	Utility Poles	Electric Guitars
Musical Instruments	Small Objects	Firewood	Construction		

The Janka hardness test measures how resistant wood is to denting and wear. It measures the force required to embed a 0.444-inch (11.28 mm) steel ball halfway into the wood sample.

Lb_f = Pound-force N = Newtons

4000 Lb_f

5,060 Lb_f
22,500 N

AUSTRALIAN BULOKE
Allocasuarina luehmannii

4,800 Lb_f
21,000 N

BARAUÁ
Schinopsis brasiliensis

4,570 Lb_f
20,340 N

QUEBRACHO
Schinopsis quebracho-colorado

4,500 Lb_f
20,000 N

GUAYACAN
Lignum vitae

4,270 Lb_f
18,990 N

GIDGEE
Acacia cambagei

3000 Lb_f

3,800 Lb_f
17,000 N

SNAKEWOOD
Brosimum guianense

3,710 Lb_f
16,520 N

VERAWOOD
Bulnesia arborea

3,680 Lb_f
16,370 N

CAMELTHORN
Vachellia erioloba

3,670 Lb_f
16,320 N

AFRICAN BLACKWOOD
Dalbergia melanoxylon

3,664 Lb_f
16,300 N

GREY IRONBARK
Eucalyptus paniculata

3,660 Lb_f
16,260 N

KATALOX
Swartzia cubensis

3,660 Lb_f
16,260 N

BLACK IRONWOOD
Krugiodendron ferreum

3,630 Lb_f
16,150 N

CURUPAY
Anadenanthera colubrina

3,510 Lb_f
15,620 N

IPE
Handroanthus spp.

3,330 Lb_f
14,800 N

CAMARU
Dipteryx odorata

3,260 Lb_f
14,500 N

DESERT IRONWOOD
Olneya tesota

3,130 Lb_f
13,920 N

BULLETWOOD
Manilkara bidentata

2,960 Lb_f
14,140 N

COCOBOLO
Dalbergia retusa

2,940 Lb_f
13,080 N

AFRICAN MESQUITE
Prosopis africana

2,900 Lb_f
12,900 N

BLOODWOOD
Brosimum rubescens

2,790 Lb_f
12,410 N

BRAZILIAN ROSEWOOD
Dalbergia nigra

2,690 Lb_f
11,950 N

JATOBA
Hymenaea courbaril

2,680 Lb_f
12,920 N

LIVE OAK
Quercus virginiana

2,620 Lb_f
11,640 N

OSAGE ORANGE
Maclura pomifera

2,520 Lb_f
11,190 N

PURPLEHEART
Peltogyne spp.

2,410 Lb_f
10,720 N

BUBINGA
Guibourtia spp.

2,400 Lb_f
10,680 N

SANTOS MAHOGANY
Myroxylon balsamum

2,370 Lb_f
10,550 N

BLUE GUM
Eucalyptus globulus

2,340 Lb_f
10,410 N

HONEY MESQUITE
Prosopis glandulosa

2,330 Lb_f
10,360 N

SPOTTED GUM
Corymbia maculata

2000 Lb_f

2,170 Lb_f
9,640 N

GONCALO ALVES
Astronium graveolens

2,150 Lb_f
9,550 N

BURMA PADAUK
Pterocarpus macrocarpus

2,140 Lb_f
9,520 N

PIGNUT HICKORY
Carya glabra

2,030 Lb_f
9,030 N

KARRI
Eucalyptus diversicolor

1,970 Lb_f
8,760 N

MOCKERNUT HICKORY
Carya tomentosa

1,930 Lb_f
8,590 N

PISTACHIO
Pistacia vera

1,860 Lb_f
8,270 N

JARRAH
Eucalyptus marginata

1,840 Lb_f
7,620 N

MERBAU
Intsia bijuga

1,830 Lb_f
8,160 N

ZEBRAWOOD
Microberlinia brazzae-villensis

1,810 Lb_f
8,100 N

SHELLBARK HICKORY
Carya laciniata

1,780 Lb_f
7,940 N

AMENDOIM
Pterogyne nitens

1,700 Lb_f
7,560 N

BLACK LOCUST
Robinia pseudoacacia

1,550 Lb_f
6,900 N

PLUM
Prunus domestica

1,390 Lb_f
6,200 N

APRICOT
Prunus armeniaca

1,320 Lb_f
5,870 N

WHITE ASH
Fraxinus americana

1,300 Lb_f
5,780 N

AMERICAN BEECH
Fagus grandifolia

1,210 Lb_f
5,380 N

BLACK OAK
Quercus velutina

1,150 Lb_f
5,120 N

SWEET CHERRY
Prunus avium

1,070 Lb_f
4,740 N

TEAK
Tectona grandis

1,060 Lb_f
4,720 N

SOUTHERN RED OAK
Quercus falcata

1000 Lb_f

1,010 Lb_f
4,490 N

TAMO ASH
Fraxinus mandshurica

950 Lb_f
4,230 N

RED MAPLE
Acer rubrum

910 Lb_f
4,050 N

PAPER BIRCH
Betula papyrifera

900 Lb_f
4,000 N

AROMATIC RED CEDAR
Juniperus virginiana

900 Lb_f
4,000 N

MAHURAN MAHOGANY
Swietenia macrophylla

840 Lb_f
3,740 N

NORTHERN SILKY OAK
Cardwellia sublimis

770 Lb_f
3,430 N

SYCAMORE
Platanus occidentalis

720 Lb_f
3,200 N

BOX ELDER
Acer negundo

710 Lb_f
3,160 N

LACEWOOD
Panopsis rubescens

620 Lb_f
2,760 N

DOUGLAS FIR
Pseudotsuga menziesii

500 Lb_f

590 Lb_f
2,620 N

TAMARACK
Larix laricina

510 Lb_f
2,270 N

CYPRESS
Taxodium distichum

500 Lb_f
2,220 N

EASTERN HEMLOCK
Tsuga canadensis

450 Lb_f
2,000 N

REDWOOD
Sequoia sempervirens

430 Lb_f
1,910 N

EASTERN COTTONWOOD
Populus deltoides

420 Lb_f
1,870 N

WESTERN WHITE PINE
Pinus monticola

390 Lb_f
1,740 N

MARITIME PINE
Pinus pinaster

380 Lb_f
1,690 N

SUGAR PINE
Pinus lambertiana

380 Lb_f
1,690 N

EASTERN WHITE PINE
Pinus strobus

350 Lb_f
1,560 N

YELLOW BUCKEYE
Aesculus flava

350 Lb_f
1,560 N

ATLANTIC WHITE CEDAR
Chamaecyparis thyoides

320 Lb_f
1,420 N

EUROPEAN SILVER FIR
Abies alba

320 Lb_f
1,420 N

MONKEY PUZZLE
Araucaria araucana

300 Lb_f
1,330 N

PAULOWNIA
Paulownia tomentosa

67 Lb_f
300 N

BALSA
Ochroma pyramidale

SOURCES: WOOD-DATABASE.COM



Alan's
FACTORY OUTLET