

Pterocarpus indicus	G
Pterocarpus soyauxii	F
Pterygota bequaertii	A
Quercus cerris	E
Quercus delegatensis	C
Quercus gigantean	C
Quercus robur	A
Quercus spp	A
Ricinodendron heudelotti	F
Sarcocephalus diderrichii	H
Scottellia coriacea	E
Sequoia sempervirens	B
Shorea smithiana	C
Shorea spp	B
Sterculia rhinopetala	A
Swietenia candollei	A
Swietenia mahogany	B
Syncarpia glomulifera	C
Syncarpia laurifolia	C
Tarrietia utilis	C
Taxus baccata	C
Tectona grandis	F
Terminalia superba	A
Thuja plicata	C
Thujopsis dolabrat	J
Tieghamella heckelii	B
Tilia americana	G
Tilia vulgaris	E
Triploehiton scleroxylon	G
Tsuga heterophylla	C
Ulmus americana	E
Ulmus procera	E
Ulmus thomasii	E
Xylia dolabriformis	E
Zelkova serrata	B

**NOTES**

- Protimeter Mini, Surveymaster and MMS instruments display Standard Scale A. Protimeter Timbermaster displays all scales.
- The calibration data in this table are based on standard tests by oven-drying of commercial samples of the various wood species, between 7% and fibre saturation. Above fibre saturation point (25-30%) readings are approximate only and generally apply to wood that has dried and been re-wetted.
- The instrument is calibrated for wood at 20°C (68°F). If the temperature of the wood varies by more than 5°C, the meter reading can be corrected approximately by adding 1/2% for every 5°C below 20°C or subtracting 1/2% for every 5°C above 20°C.
- Readings higher by 1-2% may be obtained where wood has been impregnated with a water-borne preservative.
- High readings obtained with some ply-woods of peculiar composition must be treated with caution.

Std Scale	Species Group							Chip-board
	A	B	C	E	F	G	H	
	%H <sub>2</sub> O							
7	8.2	9.0	8.0	7.1	7.0	11.0	10.5	--
8	10.0	10.5	9.3	7.5	7.4	11.5	11.0	--
9	10.8	10.9	9.7	7.9	8.1	12.1	11.6	8.5
10	11.7	11.5	10.4	8.6	8.8	12.7	12.2	9.4
11	12.7	12.6	11.3	9.5	9.7	13.4	13.4	10.5
12	13.6	13.7	12.1	10.5	10.5	14.0	14.3	11.5
13	14.5	14.5	12.7	11.2	11.2	14.5	15.1	12.5
14	15.3	15.5	13.4	11.8	11.8	15.0	16.0	13.5
15	16.3	16.7	14.1	12.5	12.6	15.6	17.0	14.4
16	16.9	17.5	14.8	13.0	13.2	16.0	17.7	14.9
17	17.7	18.8	15.7	14.3	13.9	16.6	18.5	15.3
18	18.2	19.7	16.3	15.0	14.5	17.0	19.1	16.1
19	19.0	21.0	16.9	15.9	15.2	17.6	20.0	16.7
20	20.0	22.6	17.8	16.9	16.1	18.4	21.3	17.2
21	20.8	23.5	18.5	17.6	16.8	19.1	22.3	18.3
22	21.5	24.5	19.3	18.3	17.4	19.7	23.2	19.1
23	22.9	26.4	20.2	19.8	18.6	21.2	25.3	19.9
24	23.5	27.4	20.8	20.4	19.0	22.0	25.8	20.5
25	24.2	27.8	21.2	21.0	19.4	22.7	26.3	≈23
26	25.3	29.0	22.4	22.3	20.1	23.9	27.3	--
27	26.5	--	23.3	23.4	20.8	24.7	28.1	--
28	28.0	--	24.4	24.8	21.7	25.9	--	--
29	29.6	--	25.6	26.3	22.9	27.1	--	--

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## Calibration Tables for Wood

**Timber Species Group Table**  
Common names of timbers as  
BS888 & 589: 1973

Abura	E
Afara	A
Aformosa	G
Afzelia	E
Agba	J
Amboyna	G
Ash, American	B
Ash, European	A
Ash, Japanese	A
Ayan	C
Baguacu, Brazilian	F
Balsa	A
Banga Wanga	A
Basswood	G
Beech, European	C
Berlina	B
Binvang	E
Birch, European	J
Birch, Yellow	A
Bisselon	E
Bitterwood	F
Blackbutt	C
Bosquiea	A
Boxwood, Maracaibo	A
Camphorwood, E African	C
Canarium, African	B
Cedar, Japanese	B
Cedar, West Indian	J
Cedar, Western Red	C
Cherry, European	J
Chestnut	C
Coachwood	G
Cordia, American Light	F
Cypress, E African	A
Cypress, Japanese (8-18%mc)	J
Cypress, Japanese (18-28%mc)	C

Dahoma	A
Danta	C
Douglas Fir	B
Elm, Japanese Grey Bark	B
Elm, English	E
Elm, Rock	E
Elm, White	E
Empress Tree	J
Erimado	F
Fir, Douglas	B
Fir, Grand	A
Fir, Noble	J
Gegu, Nohor	H
Greenheart	C
Guarea, Black	J
Guarea, White	H
Gum, American Red	A
Gum, Saligna	B
Gum, Southern	B
Gum, Spotted	A
Gurjun	A
Hemlock, Western	C
Hiba	J
Hickory	F
Hyedunani	B
Iroko	F
Ironbark	B
Jarra	C
Jelutong	C
Kapur	A
Karri	A
Kauri, New Zealand	E
Kauri, Queensland	J
Keruing	F
Kuroka	A
Larch, European	C
Larch, Japanese	C
Larch, Western	F
Lime	E
Loliondo	C
Mahogany, African	J
Mahogany, West Indian	B
Makore	B
Mansonia	B
Maple, Pacific	A
Maple, Queensland	B
Maple, Rock	A
Maple, Sugar	A
Matai	E
Meranti, Red (dark/light)	B
Meranti, White	B
Merbau	B
Missanda	C
Muhuhi	J
Muninga	G

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Musine	J	Silky Oak, African	C	Canarium schweinfurthii	B	Juglans nigra	A
Musizi	J	Silky Oak, Australian	C	Cardwellia sublimis	C	Juglans regia	C
Myrtle, Tasmanian	A	Spruce, Japanese (8-18%mc)	J	Carya glabra	F	Khaya senegalensis	E
Naingon	C	Spruce, Japanese (18-28%mc)	C	Cassipourea elliotii	F	Khaya ivorensis	J
Oak, American Red	A	Spruce, Norway (European)	C	Cassipourea melanosana	F	Larix decidua	C
Oak, American White	A	Spruce, Sitka	C	Castanea sativa	C	Larix kaempferi	C
Oak, European	A	Stringybark, Messmate	C	Cedrela odorata	J	Larix leptolepis	C
Oak, Japanese	A	Stringybark, Yellow	C	Ceratopetalum apetalum	G	Larix occidentalis	F
Oak, Tasmanian	C	Sterculia, Brown	A	Chamaecyparis spp (8-18%mc)	J	Liquidamber styraciflua	A
Oak, Turkey	E	Sycamore	F	Chamaecyparis spp (18-28%mc)	C	Lovoa klaineana	J
Obeche	G	Tallowwood	A	Chlorophora excelsa	F	Lovoa trichiloides	J
Odoko	E	Teak	F	Cordia alliodora	F	Maesopsis eminii	J
Okwen	B	Totara	E	Croton megalocarpus	J	Mansonia altissima	B
Olive, E African	B	Turpentine	C	Cryptomelia japonica	B	Milletia stuhimannii	A
Olivillo	G	Utile	J	Cupressus spp	A	Mimusops heckelii	B
Opepe	H	Walnut, African	J	Dacryium franklinii	B	Mitragyna ciliata	E
Padang	A	Walnut, American	A	Dalbergia latifolia	A	Nauclaea diderichii	H
Padauk, African	F	Walnut, European	C	Diospyros virginiana	G	Nesogordonia papaverifera	C
Panga Panga	A	Walnut, New Guinea	B	Dipterocarpus (Keruing)	F	Nothofagus cunninghamii	A
Persimmon	G	Walnut, Queensland	C	Dipterocarpus zeylanicus	A	Ochroma lagopus	A
Pillarwood	F	Wawa	G	Distemonanthus benthamianus	C	Ochroma pyramidalis	A
Pine, American Long Leaf	C	Wandoo	J	Dracontomelum mangiferum	B	Ocotea rodiaei	C
Pine, American Pitch	C	Whitewood	C	Dryobalanops spp	A	Ocotea usambarensis	C
Pine, Bunya	B	Yew	C	Dyera costulata	C	Octomeles sumatrana	E
Pine, Caribbean Pitch	C			Entandrophragma angolense	H	Olea hochstetteri	B
Pine, Corsican	C	<b>Botanical Names of Timbers</b>		Entandrophragma cylindricum	C	Olea welwitschii	C
Pine, Hoop	C			Entandrophragma utile	J	Palaquium spp	A
Pine, Huon	B	Abies alba	B	Endiandra palmerstoni	C	Paulownia tomentosa	J
Pine, Japanese Black	B	Abies grandis	A	Erythrophleum spp	C	Pericopsis elata	G
Pine, Kauri	E	Abies procera	J	Eucalyptus acmenicoides	C	Picea abies	C
Pine, Lodgepole	A	Acanthopanax ricinifolius	A	Eucalyptus crebra	B	Picea jezoensis (8-18%mc)	J
Pine, Maritime	B	Acer macrophyllum	A	Eucalyptus diversicolor	A	Picea jezoensis (18-28%mc)	C
Pine, New Zealand White	B	Acer pseudoplatanus	F	Eucalyptus globulus	B	Picea sitchensis	C
Pine, Nicaraguan Pitch	C	Acer saccharum	A	Eucalyptus maculata	A	Picaenia excelsa	C
Pine, Parana	B	Aetoxicon punctatum	G	Eucalyptus marginata	C	Pinus caribaea	C
Pine, Ponderosa	C	Aformosia elata	G	Eucalyptus microcorys	A	Pinus contorta	A
Pine, Radiata	C	Afzelia spp	E	Eucalyptus obliqua	C	Pinus lampertiana	C
Pine, Red	B	Agathis australis	E	Eucalyptus pilularis	C	Pinus nigra	C
Pine, Scots	A	Agathis palmerstoni	J	Eucalyptus saligna	B	Pinus palustris	C
Pine, Sugar	C	Agathis robusta	J	Eucalyptus wandoo	J	Pinus pinaster	B
Pine, Yellow	A	Amblygonocarpus andogensis	A	Fagus sylvatica	C	Pinus ponderosa	C
Poplar, Black	A	Amblygonocarpus obtusungulis	A	Flindersia brayleyana	B	Pinus radiata	C
Pterygota, African	A	Araucaria angustifolia	B	Fraxinus Americana	B	Pinus spp	B
Pyinkado	E	Araucaria bidwilli	B	Fraxinus excelsior	A	Pinus strobus	A
Queensland Kauri	J	Araucaria cunninghamii	C	Fraxinus japonicus	A	Pinus sylvestris	A
Queensland Walnut	C	Berlinia grandiflora	B	Fraxinus mardshurica	A	Pinus thunbergii	B
Ramin	G	Berlinia spp	B	Gonystylus macrophyllum	G	Pipadeniastrum africanum	A
Redwood, Baltic (European)	A	Betula alba	J	Gossweilodendron balsamiferum	J	Piptadenia africana	A
Redwood, Californian	B	Betula alleghaniensis	J	Gossypiospermum procerum	A	Podocarpus dactyloides	B
Rosewood, Indian	A	Betula pendula	J	Grevillea robusta	C	Podocarpus spicatus	C
Rubberwood	H	Betula spp	J	Guarea cedrata	H	Podocarpus totara	E
Santa Maria	H	Bosquiaria phoberos	A	Guarea thomsonii	J	Populus spp	A
Sapele	C	Brachylaena hutchinsii	J	Guibortia ehie	B	Prunus avium	J
Sen	A	Brachystegia spp	B	Hevea brasiliensis	H	Pseudotsuga menzesii	B
Seraya, Red	C	Calophyllum brasiliense	H	Intsia bijuga	B	Pterocarpus angolensis	G