

CEN TC124 WG2 TG1 APPROVED GRADING REPORT (AGR) VISUAL GRADING

This report is supplemental to EN 1912:2012 incorporating corrigendum August 2013

It contains revised and/or additional assignments that will be included in the next version of EN 1912

These are assignments approved by CEN TC124 WG2 TG1 since publication of EN 1912

REFERENCE TO STANDARDS

Clause 6 of EN 1912:2012 contains the following paragraph:

“The accepted assignments to strength classes given in this European Standard are based on initial type testing (ITT) and initial type calculation (ITC). The ITT and ITC documentation from the manufacturers has been evaluated by CEN/TC124/WG2/TG1 and the accepted values given in an ITT report. This report is the basis for the attestation of conformity by the Notified Body conducting the certification of the producer’s factory production control (FPC). Further ITT reports may be used as documentation before the information they contain becomes available in an amendment or revision of this European Standard, EN 1912.”

Note that the term ITT was changed to AGR in 2016. Clause 5.1.2 of EN 14081-1:2016+A1:2019 contains the following paragraph:

“If the grade and species or species combination have been assigned to a strength class by EN 1912, the characteristic values for the properties shall be those given for the assigned strength class in EN 338. Assignments according to EN 384 to be included in EN 1912 should be reported and evaluated by CEN/TC124. Accepted reports shall be documented in Approved Grading Reports (AGR).”

This AGR is a document to which the above paragraphs refers and may therefore be used to support visual grading prior to a further revision of EN 1912. This includes also grading to EN 14081-1:2005+A1:2011.

VALIDITY

The assignments listed in the following tables, which are the subjects of the research report listed in the table have been assessed by CEN TC124/WG2/TG1 and are approved for use in the production of structural timber to EN 14081-1 from the date of this report. This document is superseded by any later dated versions of this AGR-VISUAL and any later dated version of EN 1912.

The assignments listed here are incorporated in FprEN 1912 dated January 2024, **with the exception of poplar from Spain, which is also pending publication of the revised UNE 56546.**

On behalf of CEN TC124/WG2/TG1


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[Signature of the convener]

TABLE OF GRADING ASSIGNMENTS

Note: Some assignments were approved before EN 384:2016+A2:2022, which limits secondary property equations for C and T classes to hardwoods with mean density from testing below 600 kg/m³.

Strength class (EN 338)	Grading standard	Visual grade	Species group	Botanical species	Timber source	Approved report	Comments
T24	UNE 56546:2022	MEF	Shining gum	<i>Eucalyptus nitens</i>	Spain	TG1/202204/07rev1	Mean density > 600 kg/m ³ See note
T22	ÖNORM DIN 4074-5:2009	LS10 & better	Beech	<i>Fagus sylvatica</i>	Austria	TG1/201910/29rev1	Mean density > 600 kg/m ³ See note.
T22	ÖNORM DIN 4074-1:2012 DIN 4074-1:2012	S13	European larch	<i>Larix decidua</i>	Austria, Czechia, Germany, Italy (North) and Switzerland	TG1/202005/20	
T22	ÖNORM DIN 4074-1:2012 DIN 4074-1:2012	S13	Scots pine (redwood)	<i>Pinus sylvestris</i>	Austria, Czechia, Germany, and Poland (South West)	TG1/202005/21	
T21	ÖNORM DIN 4074-1:2012 DIN 4074-1:2012	S13	Douglas fir	<i>Pseudotsuga menziesii</i>	Austria, Belgium & Germany	TG1/202005/22	
T16	ÖNORM DIN 4074-1:2012	S10 & better	European larch	<i>Larix decidua</i>	Austria, Czechia,	TG1/202005/20	

	DIN 4074-1:2012				Germany, Italy (North) and Switzerland		
T15	ÖNORM DIN 4074-1:2012 DIN 4074-1:2012	S10	European larch	<i>Larix decidua</i>	Austria, Czechia, Germany, Italy (North) and Switzerland	TG1/202005/20	
T15	ÖNORM DIN 4074-1:2012 DIN 4074-1:2012	S10 & better	Scots pine (redwood)	<i>Pinus sylvestris</i>	Austria, Czechia, Germany, and Poland (South West)	TG1/202005/21	
T14.5	ÖNORM DIN 4074-1:2012 DIN 4074-1:2012	S10 & better	Spruce & fir (whitewood)	<i>Abies alba</i> , <i>Picea abies</i>	Austria, Czechia, Germany, Slovenia, Slovakia, Switzerland	TG1/202211/13rev1	
T14	ÖNORM DIN 4074-1:2012 DIN 4074-1:2012	S10	Spruce & fir (whitewood)	<i>Abies alba</i> , <i>Picea abies</i>	Austria, Czechia, Germany, Slovenia, Slovakia, Switzerland	TG1/202211/13rev1	
T14	ÖNORM DIN 4074-1:2012 DIN 4074-1:2012	S10	Scots pine (redwood)	<i>Pinus sylvestris</i>	Austria, Czechia, Germany, and Poland (South West)	TG1/202005/21	

T13	ÖNORM DIN 4074-1:2012 DIN 4074-1:2012	S10 & better	Douglas fir	<i>Pseudotsuga menziesii</i>	Austria, Belgium & Germany	TG1/202005/22	
T12	ÖNORM DIN 4074-1:2012 DIN 4074-1:2012	S10	Douglas fir	<i>Pseudotsuga menziesii</i>	Austria, Belgium & Germany	TG1/202005/22	
T12	ÖNORM DIN 4074-5:2009	LS7	Beech	<i>Fagus sylvatica</i>	Austria	TG1/201910/29rev1	Mean density > 600 kg/m ³ See note
T10	prUNE 56546:2024	MEF	Poplar (canadensis 2)	<i>Populus × canadensis cv 'MC', 'Luisa Avanzo'</i>	Spain	TG1/202405/04rev1	Pending publication of the updated UNE and with max slope of grain 1 in 10
T10	ÖNORM DIN 4074-1:2012 DIN 4074-1:2012	S7	Spruce & fir (whitewood)	<i>Abies alba, Picea abies</i>	Austria, Czechia, Germany, Slovenia, Slovakia, Switzerland	TG1/202211/13rev1	
T9	ÖNORM DIN 4074-1:2012 DIN 4074-1:2012	S7	Douglas fir	<i>Pseudotsuga menziesii</i>	Austria, Belgium & Germany	TG1/202005/22	

T9	ÖNORM DIN 4074-1:2012 DIN 4074-1:2012	S7	European larch	<i>Larix decidua</i>	Austria, Czechia, Germany, Italy (North) and Switzerland	TG1/202005/20	
T9	ÖNORM DIN 4074-1:2012 DIN 4074-1:2012	S7	Scots pine (redwood)	<i>Pinus sylvestris</i>	Austria, Czechia, Germany, and Poland (South West)	TG1/202005/21	
D75	EN 16737:2016	STH	Alep (Banga, Omang)	<i>Desbordesia glaucescens</i>	The Republic of the Congo & Cameroon	TG1/201804/21rev	
D70	EN 16737:2016	STH	Eveuss (Eves, Kuma-kuma, Ngon)	<i>Klainedoxa gabonensis</i>	The Republic of the Congo & Cameroon	TG1/201804/19rev	
D70	EN 16737:2016	STH	Monghinza (Adzacon-aboga)	<i>Manilkara mabokeensis</i>	The Republic of the Congo & Cameroon	TG1/201804/20rev	
D70	EN 16737:2016	STH	Mukulungu	<i>Autranella congolensis</i>	The Republic of the Congo	TG1/201903/21rev1	
	NEN 5493:2010	C3 STH					
D70	NF B 52 001-1:2018	HS ST I	Balata Franc (Massaranduba)	<i>Manilkara bidentata</i> , <i>Manilkara huberi</i>	French Guyana	TG1/201903/25rev	
D65	NF B 52 001-1:2018	HS ST I	Ipé (Ebene Verte)	<i>Handroanthus spp.</i>	French Guyana	TG1/201903/24rev2	
D55	NF B 52 001-1:2018	HS ST I	Amarante (Purpleheart)	<i>Peltogyne spp.</i>	French Guyana	TG1/201903/23rev	
D50	EN 16737:2016	STH	Lati			TG1/201903/18rev1	

	NEN 5493:2010	C3 STH		<i>Amphimas pterocarpoides</i>	The Republic of the Congo		
D50	EN 16737:2016	STH	Longhi	<i>Chrysophyllum spp.</i>	The Republic of the Congo	TG1/201903/20rev1	
	NEN 5493:2010	C3 STH					
D50	EN 16737:2016	STH	Osanga (Koframiré)	<i>Pteleopsis hylodendron</i>	The Republic of the Congo & Cameroon	TG1/201804/22rev	
D45	UNI 11035-2:2022	LS1	Beech	<i>Fagus sylvatica</i>	Italy	TG1/202211/07rev	
D45	NF B 52 001-1:2018	HS ST I	Cupiúba	<i>Goupia glabra</i>	French Guyana	TG1/201903/26rev2	
D40	NF B 52 001-1:2018	H1 (in H1/H3 grading)	Beech	<i>Fagus sylvatica</i>	Belgium, France	TG1/201804/24rev	
D40	EN 16737:2016	STH	Missanda (Tali)	<i>Erythrophleum ivorense</i> , <i>Erythrophleum suaveolens</i>	The Republic of the Congo	TG1/201903/22rev1	
	NEN 5493:2010	C3 STH					
D40	EN 16737:2016	STH	Okan (Denya)	<i>Cylicodiscus gabunensis</i>	Cameroon	TG1/201804/23rev	
D35	NF B 52 001-1:2018	H2 (in H2/H4 grading)	Beech	<i>Fagus sylvatica</i>	Belgium, France	TG1/201804/24rev	
D35	UNI 11035-2:2022	LS2 and better	Beech	<i>Fagus sylvatica</i>	Italy	TG1/202211/07rev	
D35	EN 16737:2016	STH	Limbali	<i>Gilbertiodendron dewevrei</i>	The Republic of the Congo	TG1/201903/19rev1	
	NEN 5493:2010	C3 STH					
D30	EN 16737:2016	STH	Kanda	<i>Beilschmiedia spp.</i>	The Republic of the Congo	TG1/201903/17rev1	
	NEN 5493:2010	C3 STH					
D30	NF B 52 001-1:2018	1	European oak	<i>Quercus petraea</i> , <i>Quercus robur</i>	Belgium, France	TG1/201510/08	NF B 52 001 : Table 6 for thickness ≤ 100 mm and table 7

							for thickness > 100 mm
D27	UNE 56546:2022	MEF	Sweet chestnut	<i>Castanea sativa</i>	Spain	TG1/201410/43rev	Maximum width and thickness 160 mm
D24	NF B 52 001-1:2018	H3 (in H1/H3 grading)	Beech	<i>Fagus sylvatica</i>	Belgium, France	TG1/201804/24rev	
D24	UNI 11035-2:2022	LS2	Beech	<i>Fagus sylvatica</i>	Italy	TG1/202211/07rev	
D24	UNE 56546:2022	MEF-G	Sweet chestnut	<i>Castanea sativa</i>	Spain	TG1/201410/43rev	Thickness greater than 70 mm and maximum width 160 mm
D24	UNI 11035-2:2022	LS	Sweet chestnut	<i>Castanea sativa</i>	Italy	TG1/0510/06rev, TG1/202104/16	Removed size limit to current entry
D24	NF B 52 001-1:2018	2	European oak	<i>Quercus petraea</i> , <i>Quercus robur</i>	Belgium, France	TG1/201510/08	NF B 52 001 : Table 6 for thickness ≤ 100 mm and table 7 for thickness > 100 mm
D18	NF B 52 001-1:2018	H4 (in H2/H4 grading)	Beech	<i>Fagus sylvatica</i>	Belgium, France	TG1/201804/24rev	
D18	EN 16737:2016	STH	Ossoko (Sorro)	<i>Scyphocephalium mannii</i>	Gabon	TG1/201804/18rev	
D18	NF B 52 001-1:2018	3	European oak	<i>Quercus petraea</i> , <i>Quercus robur</i>	Belgium, France	TG1/201510/08	NF B 52 001 : Table 6 for thickness ≤ 100 mm and table 7

							for thickness > 100 mm
C35	TS 1265- 2012	Class 1	Scots pine (redwood)	<i>Pinus sylvestris</i>	Türkiye	TG1/202211/09rev1	
			Turkish red pine	<i>Pinus brutia</i>		TG1/202211/09rev1	
			Anatolian black pine	<i>Pinus nigra subsp. pallasiana</i>		TG1/202104/08rev1	
C35	UNE 56546:2022	MEF	Shining gum	<i>Eucalyptus nitens</i>	Spain	TG1/202204/08rev1	Mean density > 600 kg/m ³ See note
C30	NF B 52 001-1:2018	ST-I	French pine (not including maritime)	<i>Pinus nigra subsp. laricio, Pinus nigra subsp. nigra, Pinus sylvestris</i>	France	TG1/202206/01	
C30	UNI 11035-1:2022	S1	Spruce & fir (whitewood)	<i>Abies alba, Picea abies</i>	Italy	TG1/0510/06rev, TG1/202104/14	
C30	UNI 11035-2:2022	LS	Sweet chestnut	<i>Castanea sativa</i>	Italy	TG1/202104/16	
C27	TS 1265- 2012	Class 1	Caucasian and taurus fir	<i>Abies nordmanniana, Abies cilicica, Abies bornmuelleriana, Abies equi-trojani</i>	Türkiye	TG1/202104/08rev1 TG1/202111/01	
			Oriental spruce	<i>Picea orientalis</i>		TG1/202305/08rev1	Pending revised report
		Class 2	Scots pine (redwood)	<i>Pinus sylvestris</i>		TG1/202211/09rev1	
C24		ST-II	Sweet chestnut	<i>Castanea sativa</i>	France	TG1/201603/09rev	

	NF B 52 001- 1:2018		Sitka spruce	<i>Picea sitchensis</i>		TG1/0312/11rev	
			Maritime pine	<i>Pinus pinaster</i>		TG1/202206/01	

C24	TS 1265- 2012	Class 1	Cedar of Lebanon	<i>Cedrus libani</i>	Türkiye	TG1/202305/08rev1		
		Class2	Turkish red pine	<i>Pinus brutia</i>		TG1/202211/09rev1		
			Anatolian black pine	<i>Pinus nigra</i> subsp. <i>pallasiana</i>		TG1/202104/08rev1		
			Caucasian and taurus fir	<i>Abies nordmanniana</i> , <i>Abies cilicica</i> , <i>Abies bornmuelleriana</i> , <i>Abies equi-trojani</i>		TG1/202104/08rev1, TG1/202111/01		
C24	UNI 11035-1:2022	S2	Spruce & fir (whitewood)	<i>Abies alba</i> , <i>Picea abies</i>	Italy	TG1/0510/06rev, TG1/202104/14	Replaces "S2 and better" entry	
C24	UNI 11035-1:2022	S2 & better	Douglas fir	<i>Pseudotsuga menziesii</i>	Italy	TG1/202104/15		
C22	TS 1265-2012	Class 2	Oriental spruce	<i>Picea orientalis</i>	Türkiye	TG1/202305/08rev1	Pending revised report	
C20	TS 1265- 2012	Class 2	Cedar of Lebanon	<i>Cedrus libani</i>	Türkiye	TG1/202305/08rev1	Pending revised report	
		Class 3	Oriental spruce	<i>Picea orientalis</i>		TG1/202305/08rev1	Pending revised report	
				Scots pine (redwood)	<i>Pinus sylvestris</i>		TG1/202211/09rev1	
				Turkish red pine	<i>Pinus brutia</i>		TG1/202211/09rev1	
C20	UNE 56544: 2022	MEG	Radiata pine	<i>Pinus radiata</i>	Spain	TG1/201410/42rev	Thickness and width greater than 70 mm	

C18	TS 1265- 2012	Class 3	Caucasian and taurus fir	<i>Abies nordmanniana</i> , <i>Abies cilicica</i> , <i>Abies bornmuelleriana</i> , <i>Abies equi-trojani</i>	Türkiye	TG1/202104/08rev1 TG1/202111/01	
			Anatolian black pine	<i>Pinus nigra subsp. pallasiana</i>		TG1/202104/08rev1	
C18	ÖNORM DIN 4074-1:2012 DIN 4074-1:2012	S7, S7K	Douglas fir	<i>Pseudotsuga menziesii</i>	Austria, Germany	TG1/1011/05, TG1/1011/05 Appendix	
C18	NF B 52 001-1:2018	ST-III	Maritime pine	<i>Pinus pinaster</i>	France	TG1/202206/01	
			Sweet chestnut	<i>Castanea sativa</i>		TG1/201603/09rev	
			Sitka spruce	<i>Picea sitchensis</i>		TG1/0312/11rev	
			Sugi (Japanese cedar)	<i>Cryptomeria japonica</i>	Réunion (France)	TG1/0312/10rev	
C16	TS 1265- 2012	Class 3	Cedar of Lebanon	<i>Cedrus libani</i>	Türkiye	TG1/202305/08rev	Pending revised report
C16	UNE 56544: 2022	MEG	Maritime pine	<i>Pinus pinaster</i>	Spain	TG1/202204/09rev1	Thickness and width greater than 70 mm
C14	NF B 52 001-1:2018	ST-IV	Maritime pine	<i>Pinus pinaster</i>	France	TG1/202206/01	
			Sugi (Japanese cedar)	<i>Cryptomeria japonica</i>	Réunion (France)	TG1/0312/10rev	

TABLE OF SPECIES

Botanical names		Synonyms	EN 13556 marking code
<i>Abies alba</i>	Mill.		ABAL
<i>Abies amabilis</i>	Douglas ex J.Forbes		ABAM
<i>Abies balsamea</i>	(L.) Mill.		ABBL
<i>Abies bornmuelleriana</i>	Mattf., 1925	<i>Abies nordmanniana</i> var. <i>bornmuelleriana</i>	
<i>Abies cilicica</i>	(Antoine & Kotschy) Carriere		
<i>Abies concolor</i>	(Gordon & Glend.) Lindl. ex Hildebr., 1861		
<i>Abies equi-trojani</i>	(Asch. & Sint. ex Boiss.) Mattf., 1925	<i>Abies nordmanniana</i> subsp. <i>equi-trojani</i>	
<i>Abies grandis</i>	(Douglas ex D.Don) Lindl., 1833		ABGR
<i>Abies lasiocarpa</i>	(Hook.) Nutt.		ABLS
<i>Abies magnifica</i>	A.Murray bis		
<i>Abies nordmanniana</i>	(Steven) Spach		
<i>Abies procera</i>	Rehder, 1940		ABPR
<i>Acer pseudoplatanus</i>	L.		ACPS
<i>Amphimas pterocarpoides</i>	Harms		APPT
<i>Araucaria angustifolia</i>	(Bertol.) Kuntze		ARAN
<i>Autranella congolensis</i>	(De Wild.) A.Chev.		AWCO
<i>Beilschmiedia spp.</i>	Nees, 1831		BIXX
<i>Castanea sativa</i>	Mill.		CTST
<i>Cedrus libani</i>	A.Rich.		
<i>Chlorocardium rodiei</i>	(R.H. Schomb.) Rohwer, H.G.Richt. & van der Werff	<i>Ocotea rodiaei</i>	CHRD
<i>Chrysophyllum spp.</i>	L.	<i>Gambeya spp.</i>	GAXX
<i>Cryptomeria japonica</i>	(Thunb. ex L.f.) D.Don		CYJP
<i>Cylicodiscus gabunensis</i>	Harms, 1897		CKGB
<i>Desbordesia glaucescens</i>	Van Tiegh.		
<i>Dicorynia guianensis</i>	Amshoff		DIXX
<i>Dicorynia paraensis</i>	Benth.		DIXX
<i>Dinizia excelsa</i>	Ducke		DEEX
<i>Dipterocarpus spp.</i>	C.F.Gaertn., 1805		DPXX
<i>Dipteryx odorata</i>	(Aubl.) Willd.		DXOD

<i>Dryobalanops spp.</i>	C.F.Gaertn.		DRXX
<i>Entandrophragma cylindricum</i>	(Sprague) Sprague		ENCY
<i>Erisma uncinatum</i>	Warm.		EIUN
<i>Erythrophleum ivorense</i>	A.Chev.		EYXX
<i>Erythrophleum suaveolens</i>	(Guill. & Perr.) Brenan		EYXX
<i>Eucalyptus diversicolor</i>			EUDV
<i>Eucalyptus globulus</i>	Labill.		EUGL
<i>Eucalyptus marginata</i>	Sm.		EUMR
<i>Eucalyptus nitens</i>	(H. Deane & Maiden) Maiden		
<i>Fagus sylvatica</i>	L.		FASY
<i>Fraxinus americana</i>	L.		FXXX
<i>Fraxinus excelsior</i>	L.		FXEX
<i>Gilbertiodendron dewevrei</i>	(De Wild.) J.Leonard		GBDW
<i>Goupia glabra</i>	Aubl.		GPGL
<i>Handroanthus spp.</i>	Mattos, 1970	Tabebuia spp	TBXX
<i>Intsia bijuga</i>	(Colebr.) Kuntze		INXX
<i>Intsia palembanica</i>	Miq.		INXX
<i>Klainedoxa gabonensis</i>	Pierre		
<i>Koompassia malaccensis</i>	Maingay ex Benth.		KOML
<i>Larix × marschlinsii</i>	Coaz	Larix eurolepis, Larix × eurolepis	LAER
<i>Larix decidua</i>	Mill.		LADC
<i>Larix gmelinii</i>	(Rupr.) Rupr.		LAGM
<i>Larix kaempferi</i>	(Lamb) Carr.		LAKM
<i>Larix occidentalis</i>	Nutt.		LAOC
<i>Larix sibirica</i>	Ledeb.		
<i>Lophira alata</i>	Banks ex C.F.Gaertn.		LOAL
<i>Manilkara bidentata</i>	(A.DC.) A.Chev.		MNXX
<i>Manilkara huberi</i>	(Ducke) A.Chev.		MNXX
<i>Manilkara mabokeensis</i>	Aubrev.		
<i>Milicia excelsa</i>	(Welw.) C.C.Berg		MIXX
<i>Milicia regia</i>	(A.Chev.) C.C.Berg		MIXX
<i>Nauclea diderrichii</i>	(De Wild. & T.Durand) Merr.		NADD
<i>Peltogyne spp.</i>	Vogel, 1837		PGXX

<i>Picea abies</i>	(L.) H.Karst		PCAB
<i>Picea engelmannii</i>	Parry ex Engelm.		PCEN
<i>Picea glauca</i>	(Moench) Voss		PCGL
<i>Picea mariana</i>	(Mill.) Britton, Sterns & Poggenb.		
<i>Picea orientalis</i>	(L.) Peterm.		
<i>Picea rubens</i>	Sarg.		
<i>Picea sitchensis</i>	Trautv. & G.Mey.		PCST
<i>Pinus banksiana</i>	Lamb.		PNBN
<i>Pinus brutia</i>	Ten.		
<i>Pinus caribaea</i>	Morelet		PNCR
<i>Pinus contorta</i>	Douglas ex Loudon		PNCN
<i>Pinus echinata</i>	Mill.		PNEC
<i>Pinus elliotii</i>	Engelm.		PNEL
<i>Pinus lambertiana</i>	Douglas		PNLM
<i>Pinus monticola</i>	Douglas ex D.Don		PNNM
<i>Pinus nigra</i>	J.F.Arnold		
<i>Pinus nigra subsp. laricio</i>	Maire		PNNL
<i>Pinus nigra subsp. nigra</i>			PNNN
<i>Pinus nigra subsp. pallasiana</i>	(Lamb.) Holmboe		
<i>Pinus nigra subsp. salzmannii</i>	(Dunal) Franco 1943		
<i>Pinus oocarpa</i>	Schiede ex Schltdl.		PNOO
<i>Pinus palustris</i>	Mill.		PNPL
<i>Pinus pinaster</i>	Aiton		PNPN
<i>Pinus pinaster subsp. atlantica</i>	H.del Villar		
<i>Pinus ponderosa</i>	P.Lawson & C.Lawson		PNPO
<i>Pinus radiata</i>	D.Don		PNRD
<i>Pinus sylvestris</i>	L.		PNSY
<i>Pinus taeda</i>	L.		PNTD
<i>Poplar spp.</i>	L.		
<i>Populus × canadensis</i> cv 'Robusta', 'Dorskamp', 'I 214', 'I 4551'	Moench, 1785	<i>Populus × euramericana</i>	POER
<i>Populus × canadensis</i> cv 'MC', 'Luisa Avanzo'	Moench, 1785	<i>Populus × euramericana</i>	POER

<i>Populus nigra</i>	L.		PONG
<i>Pseudopiptadenia psilostachya</i>	(DC.) G.P.Lewis & M.P.Lima		
<i>Pseudopiptadenia suaveolens</i>	(Miq.) J.W.Grimes		
<i>Pseudotsuga menziesii</i>	(Mirb.) Franco, 1950		PSMN
<i>Pteleopsis hylodendron</i>	Mildbr.		
<i>Qualea spp.</i>	Aubl., 1775		QUXX
<i>Quercus alba</i>	L.		QCXA
<i>Quercus petraea</i>	(Matt.) Liebl.		QCXE
<i>Quercus robur</i>	L.		QCXE
<i>Quercus rubra</i>	L.		QCXR
<i>Ruizterania spp.</i>	Marc.-Berti		
<i>Scyphocephalum mannii</i>	Warb.		
<i>Shorea glauca</i>	King		SHBL
<i>Shorea maxwelliana</i>	(King) Symington, 1938		SHBL
<i>Tectona grandis</i>	L.f.		TEGR
<i>Thuja plicata</i>	Donn ex D.Don		THPL
<i>Tsuga heterophylla</i>	(Raf.) Sarg.		TSHT
<i>Tsuga mertensiana</i>	(Bong.) Carriere		

TABLE OF GRADING STANDARDS

Grading standard publishing country	Reference	Other information
Austria	ÖNORM DIN 4074-1:2012. Sortierung von Holz nach der Tragfähigkeit - Teil 1: Nadelschnittholz.	Grades listed in Table 1 and 2 of this standard: valid only when graded as "Kanthölzer". Grades listed in Table 3 of this standard: valid only when graded as "Bretter/Bohlen".
Austria	ÖNORM DIN 4074-5:2009. Sortierung von Holz nach der Tragfähigkeit - Teil 5: Laubschnittholz.	Grades listed in Table 1 and 2 of this standard: valid only when graded as "Kanthölzer". Grades listed in Table 3 of this standard: valid only when graded as "Bretter/Bohlen".
Canada	Canadian National Lumber Grades Authority NLGA:2017. Standard Grading Rules for Canadian Lumber, National grading rule for dimensional lumber (NGRDL).	Must be graded in combination with the NLGA European Union export visual grades requirement annex which gives the rules for compliance with EN 14081-1.
CEN members	EN 16737:2016. Structural timber. Visual strength grading of tropical hardwood.	
Czechia	ČSN 73 2824-1:2015. Třídění dřeva podle pevnosti - Část 1: Jehličnaté řezivo.	Zatříděno jako stropnice (graded as a joist)
Czechia	ČSN 73 2824-5:2023. Třídění dřeva podle pevnosti – Část 5: Listnaté řezivo	
France	NF B 52 001-1:2018. Règles d'utilisation du bois dans la construction – Classement visuel pour l'emploi en structures des bois sciés résineux et feuillus — Partie 1 : Bois massif.	
France	NF B 52-001-1 A3:2016 Regulations governing the use of timber in structure - Visual classification for the use of French softwood and hardwood species in structure - Part 1: Massive wood.	
France	NF B 52-001-1:2013. Règles d'utilisation du bois dans les constructions; Classement visuel pour emploi en structure pour les principales essences résineuses et feuillues.	
Germany	DIN 4074-1:2012. Sortierung von Holz nach der Tragfähigkeit - Teil 1: Nadelschnittholz.	Grades listed in Table 1 and 2 of this standard: valid only when graded as "Kanthölzer". Grades listed in Table 3 of this standard: valid only when graded as "Bretter/Bohlen".

Germany	DIN 4074-5:2008. Sortierung von Holz nach der Tragfähigkeit - Teil 5: Laubschnittholz.	Grades listed in Table 1 and 2 of this standard: valid only when graded as "Kanthölzer". Grades listed in Table 3 of this standard: valid only when graded as "Bretter/Bohlen".
Ireland	IS 127:2015. Structural timber - visual strength grading - sawn softwoods with rectangular cross-section.	
Italy	UNI 11035-1:2022. Legno strutturale - Classificazione a vista dei legnami secondo la resistenza meccanica - Parte 1: Conifere a sezione rettangolare.	
Italy	UNI 11035-2:2022. Legno strutturale - Classificazione a vista dei legnami secondo la resistenza meccanica - Parte 2: Latifoglie a sezione rettangolare.	
Netherlands	NEN 5493:2010+C1:2011. Kwaliteitseisen voor loofhout in grond-, weg- en waterbouwkundige werken en andere constructieve toepassingen.	
Netherlands	NEN 5499:2007/A1:2011. Kwaliteitseisen voor visueel gesorteerd naaldhout voor constructieve toepassingen.	
Nordic countries	INSTA 142:2009. Nordic visual strength grading rules for timber ; NS-INSTA 142:2009 Nordiske regler for visuell styrkesortering av trelast ; SS 230120:2010 Träkonstruktioner - Konstruktionsvirke - Nordiskt T- och LT-virke - Visuella sorteringsklasser enligt INSTA 142 ; SFS 5878 INSTA 142:2010 Sahatavaran visuaalisen lujuuslajittelun pohjoismaiset säännöt ; DS/INSTA 142:2009 Nordiske regler for visuel styrkesortering af konstruktionstræ ; ÍST INSTA:2009 Norrænar reglur fyrir útlitsstyrkflokkun á timbri í burðarvirki	
Poland	PN-D-94021:2013. Tarcica konstrukcyjna iglasta sortowana metodami wytrzymałościowymi	
Portugal	NP 4305:1995. Madeira serrada de pinheiro bravo para estruturas.	
Slovakia	STN 49 1531:2001. Drevo na stavebné nosné konštrukcie. Vizualné triedenie podľa pevnosti.	
Slovenia	SIST DIN 4074-1:2009. Razvrščanje lesa po trdnosti -1 del Žagani les iglavcev.	Razvrščanje kot trami (graded as a joist)
Spain	UNE 56544:2022. Clasificación visual de la madera aserrada para uso estructural. Madera de coníferas.	

Spain	UNE 56546:2022. Clasificación visual de la madera aserrada para uso estructural. Madera de frondosas. prUNE 56546:2024. Clasificación visual de la madera aserrada para uso estructural. Madera de frondosas.	
Switzerland	SIA 265/2:2023 Sortierung von Holz nach der Tragfähigkeit - Nadelschnittholz gemäss DIN 4074-1	
Türkiye	TS 1265- 2012. Kereste - İğne yapraklı ağaç keresteleri - Yapılarda kullanım için.	
United Kingdom	BS 4978:2007+A2:2017. Visual strength grading of softwood. Specification.	
United Kingdom	BS 5756:2007+A2:2017. Visual strength grading of hardwood. Specification.	