LBS HARDWOOD

ROUND HEAD SCREW FOR PLATES ON HARDWOODS

UKTA-0836 22/6195

ETA-11/0030

HARDWOOD CERTIFICATION

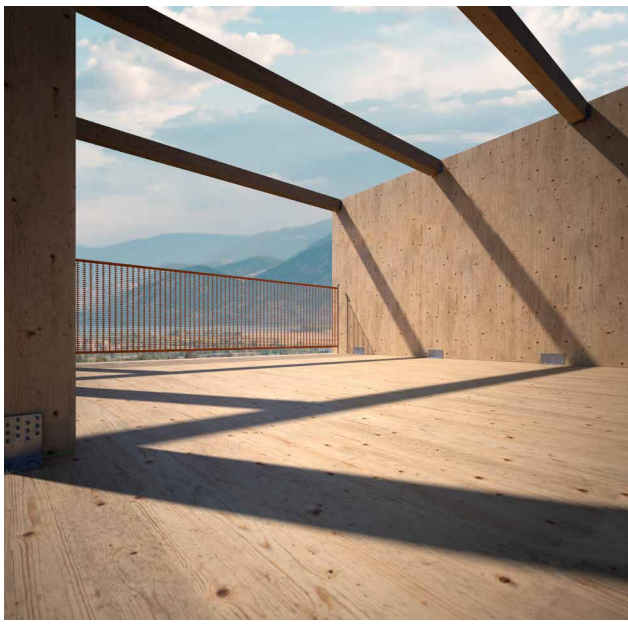
Special tip with embossed slit elements. ETA-11/0030 certification allows for use with high density timber without any pre-drill. Approved for structural applications subject to stresses in any direction vs the grain.

LARGER DIAMETER

Root diameter increased compared to the LBS version to ensure tightening in the highest density woods. In steel-timber connections, an increase in strength of more than 15% can be achieved.

SCREW FOR PERFORATED PLATES

Cylindrical shoulder designed for fastening metal elements. Achieves an interlocking effect with the hole in the plate, thus guaranteeing excellent static performance.



MY PROJECT SOFTWARE

BIT INCLUDED

DIAMETER [in]

0.14 — **0.20** — 0.48

LENGTH [in]

1 — **1 9/16** — **2 3/4** — 8

EXPOSURE CONDITION

EC1 DRY

ATMOSPHERIC CORROSIVITY

C1 C2

WOOD CORROSIVITY

T1 T2

MATERIAL

Zn ELECTRO PLATED electrogalvanized carbon steel

FIELDS OF USE

- timber based panels
- solid timber and glulam
- CLT and LVL
- high density woods
- beech, oak, cypress, ash, eucalyptus, bamboo

CODES AND DIMENSIONS

d_1 [mm] [in]	CODE	L [mm]	L [in]	b [mm]	b [in]	pcs
5 **0.20** #11 TX 20	**LBSH540**	40	1 9/16	36	1 7/16	500
	LBSH550	50	1 15/16	46	1 13/16	200
	LBSH560	60	2 3/8	56	2 3/16	200
	LBSH570	70	2 3/4	66	2 5/8	200

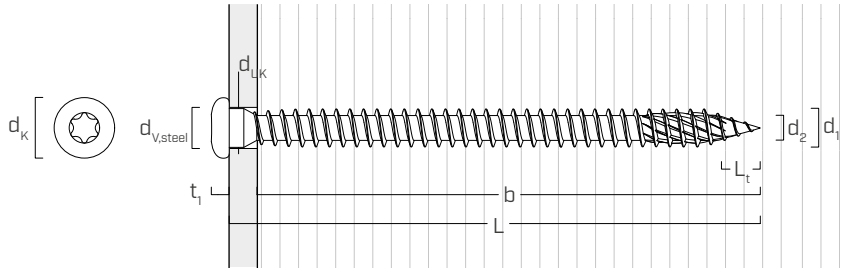
LBS HARDWOOD EVO

ROUND HEAD SCREW FOR PLATES ON HARDWOODS

DIAMETER [in]	0.14	**0.20**	**0.28**	0.48	
LENGTH [in]	1	**2 3/8**	**8**	8	

Also available in the LBS HARDWOOD EVO version, L from 2 3/8" to 8", diameter Ø5 and Ø7 mm (diameter 0.20 and 0.28 inch), see page 286.

GEOMETRY



Nominal diameter	**d_1**	**[in]**[1]	**0.20**
Outer thread diameter	**d_1**	[mm]	5
		[in]	**0.197**
Head diameter	d_K	[in]	0.307
Head thickness	t_1	[in]	0.096
Root diameter	d_2	[in]	0.137
Underhead diameter	d_{UK}	[in]	0.193
Tip length	L_t	[in]	0.197
Recommended hole diameter on steel plate	$d_{V,steel}$	[in]	3/16 - 7/32
Pre-drilling hole diameter[2]	$d_{V,G\leq0.55}$	[in]	1/8
Pre-drilling hole diameter[3]	$d_{V,G>0.55}$	[in]	9/64

[1] The nominal diameter of the screw is converted into imperial units and rounded up to the nearest decimal point.
[2] Pre-drilling applies to timber with G≤0.55 (optional).
[3] Pre-drilling applies to timber with G>0.55 (required).

HARDWOOD PERFORMANCE

Geometry developed for high performance and use without pre-drill hole on structural woods such as beech, oak, cypress, ash, eucalyptus, bamboo.

BEECH LVL

Values also tested, certified and calculated for high density woods such as beech laminated veneer lumber. Certified for use without pre-drilling, for densities of up to 800 kg/m³ [G = 0.94].