VGZ HARDWOOD

FULLY THREADED SCREW FOR HARDWOODS

UKTA-0836 22/6195

ETA-11/0030

HARDWOOD CERTIFICATION

Special tip with diamond geometry and notched, serrated thread. ETA-11/0030 certification for use with high-density wood without pre-drilling hole or with an appropriate pilot hole. Approved for structural applications subject to stresses in any direction vs the grain (0° - 90°).

HYBRID SOFTWOOD-HARDWOOD

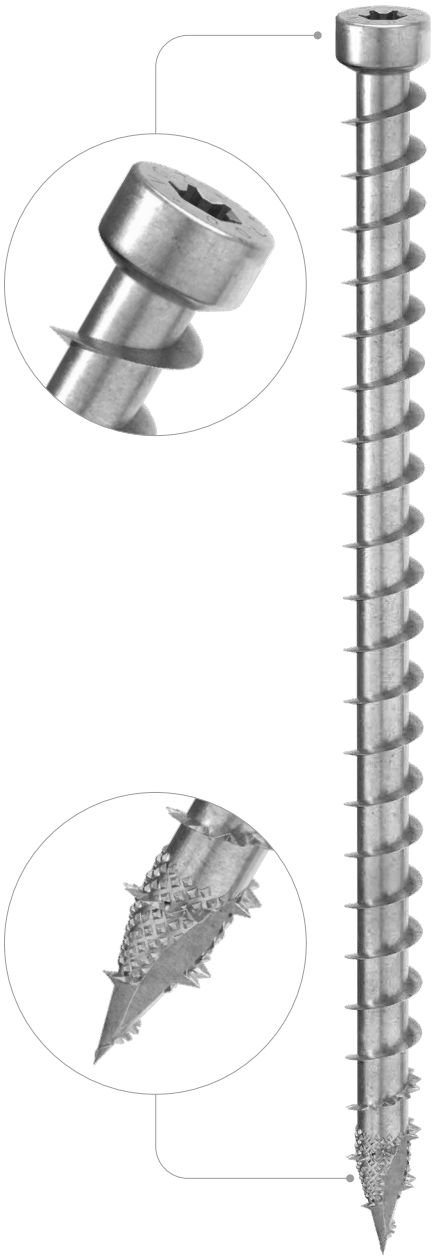
The high-strength steel and the increased screw diameter allow excellent tensile and torsional performance to be achieved, thus ensuring safe screwing in high-density wood.

INCREASED DIAMETER

Deep thread and high resistance steel for excellent tensile performance. Characteristics that, together with an excellent torsional moment value, guarantee screwing in the highest densities of wood.

CYLINDRICAL HEAD

Ideal for concealed joints, timber couplings and structural reinforcements. Improved performance in fire conditions compared to countersunk head.



BIT INCLUDED

DIAMETER [in]	0.20		0.24	0.32		0.44
LENGTH [in]	3 1/8		5 1/2	17 1/4		39 3/8
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
- hybrid engineered timbers (softwood-hardwood)
- beech, oak, cypress, ash, eucalyptus, bamboo

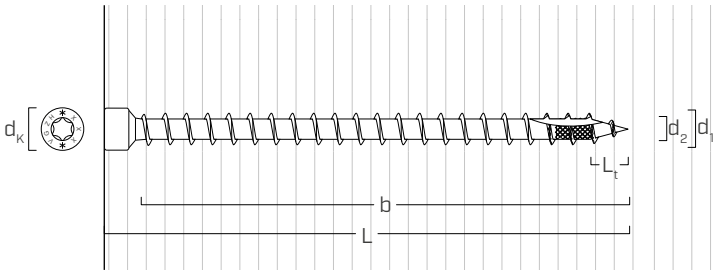
CODES AND DIMENSIONS

d_1 [mm] [in]	CODE	L [mm]	L [in]	b [mm]	b [in]	pcs
6 **0.24** #14 TX 30	**VGZH6140**	140	5 1/2	130	5 1/8	25
	VGZH6180	180	7 1/8	170	6 3/4	25
	VGZH6220	220	8 5/8	210	8 1/4	25
	VGZH6260	260	10 1/4	250	10	25
	VGZH6280	280	11	270	10 5/8	25
	VGZH6320	320	12 5/8	310	12 3/16	25
	VGZH6420	420	16 9/16	410	16 1/8	25

d_1 [mm] [in]	CODE	L [mm]	L [in]	b [mm]	b [in]	pcs
8 **0.32** TX 40	**VGZH8200**	200	8	190	7 1/2	25
	VGZH8240	240	9 1/2	230	9 1/16	25
	VGZH8280	280	11	270	10 5/8	25
	VGZH8320	320	12 5/8	310	12 3/16	25
	VGZH8360	360	14 1/4	350	13 3/4	25
	VGZH8400	400	15 3/4	390	15 3/8	25
	VGZH8440	440	17 1/4	430	16 15/16	25

NOTES: upon request, EVO version is available.

GEOMETRY



Nominal diameter	d_1	**[in]**(1)	**0.24**	**0.32**
Outer thread diameter	d_1	[mm]	6	8
		[in]	**0.236**	**0.315**
Head diameter	d_K	**[in]**	0.374	0.453
Root diameter	d_2	**[in]**	0.177	0.232
Tip length	L_t	**[in]**	0.236	0.315
Pre-drilling hole diameter(2)	$d_{V,G\leq0.55}$	**[in]**	5/32	13/64
Pre-drilling hole diameter(3)	$d_{V,G>0.55}$	**[in]**	5/32	15/64

(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-drilling on structural woods such as beech, oak, cypress, ash, eucalyptus, bamboo.

BEECH LVL

Values also tested, certified and calculated for high density woods such beech laminated veneer lumber. Certified for use for densities of up to [G = 0.94].