

HBS EVO C5

COUNTERSUNK SCREW



C5 ATMOSPHERIC CORROSIVITY

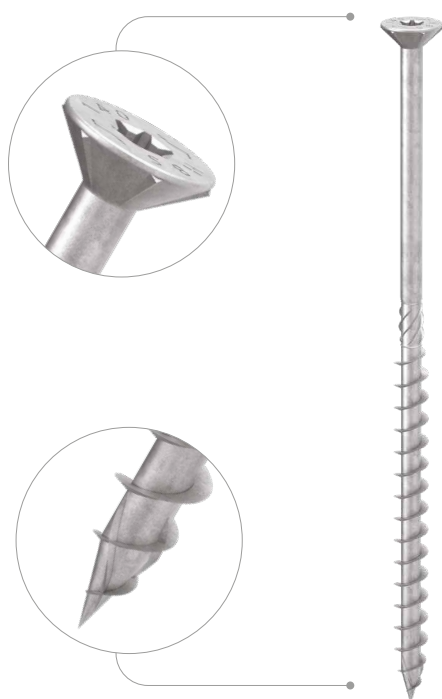
Multi-layer coating capable of withstanding outdoor environments classified C5 according to ISO 9223. SST (Salt Spray Test) with exposure time greater than 3000h carried out on screws previously screwed and unscrewed in Douglas fir timber.

MAXIMUM STRENGTH

It is the screw of choice when high mechanical performance is required under very adverse environmental and wood corrosive conditions.

3 THORNS TIP

Thanks to the 3 THORNS tip, minimum installation distances are reduced. More screws can be used in less space and larger screws in smaller elements, reducing costs and time.



MANUALS



BIT INCLUDED

DIAMETER [in]

0.12 **0.14** 0.32 0.48

LENGTH [in]

1/2 **13/16** 12 5/8 39 3/8

EXPOSURE CONDITION

EC1 EC2 EC3

ATMOSPHERIC CORROSIVITY

C1 C2 C3 **C4** C5

WOOD CORROSIVITY

T1 T2 T3 T4

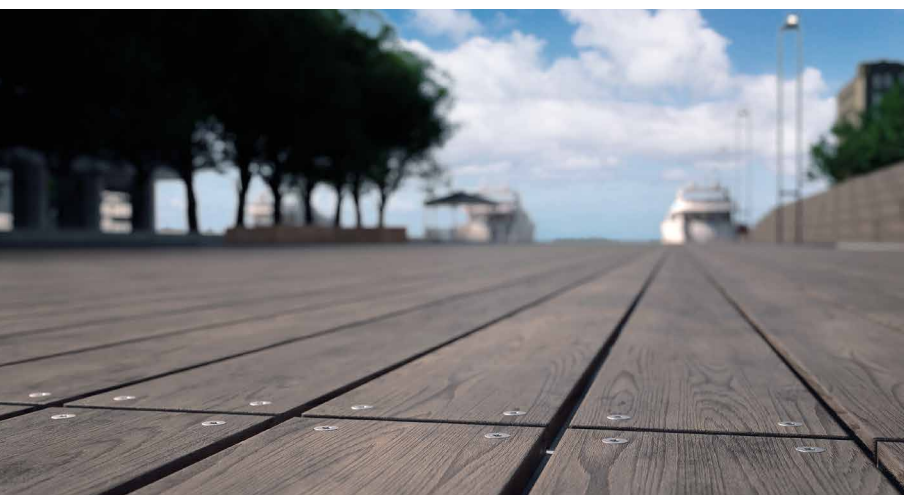
MATERIAL

C5
EVO
COATING

carbon steel with C5 EVO coating
with very high corrosion resistance

FIELDS OF USE

- timber based panels
- solid timber and glulam
- CLT and LVL
- high density woods



CODES AND DIMENSIONS

d ₁ [mm] [in]	CODE	L		b		A	pcs
		[mm]	[in]	[mm]	[in]	[in]	
3,5 0.14 #6 TX 15	HBSEVO3530C5	30	1 3/16	18	11/16	3/8	500
	HBSEVO3540C5	40	1 9/16	18	11/16	3/4	500
4 0.16 #7 TX 20	HBSEVO440C5	40	1 9/16	24	15/16	1/8	500
	HBSEVO450C5	50	1 15/16	30	1 3/16	3/4	400
4,5 0.18 #9 TX 20	HBSEVO4550C5	50	1 15/16	30	1 3/16	3/4	200
	HBSEVO4560C5	60	2 3/8	35	1 3/8	3/4	200
5 0.20 #11 TX 25	HBSEVO550C5	50	1 15/16	24	15/16	1	200
	HBSEVO560C5	60	2 3/8	30	1 3/16	1	200
	HBSEVO570C5	70	2 3/4	35	1 3/8	1 1/4	100
	HBSEVO580C5	80	3 1/8	40	1 9/16	1 1/2	100
	HBSEVO590C5	90	3 1/2	45	1 3/4	1 3/4	100
	HBSEVO5100C5	100	4	50	1 15/16	1 3/4	100
6 0.24 #14 TX 30	HBSEVO680C5	80	3 1/8	40	1 9/16	1 1/2	100
	HBSEVO6100C5	100	4	50	1 15/16	1 3/4	100
	HBSEVO6120C5	120	4 3/4	60	2 3/8	2 1/4	100
	HBSEVO6140C5	140	5 1/2	75	2 15/16	2 1/2	100
	HBSEVO6160C5	160	6 1/4	75	2 15/16	3 1/4	100
	HBSEVO6180C5	180	7 1/8	75	2 15/16	4	100
	HBSEVO6200C5	200	8	75	2 15/16	4 3/4	100

d ₁ [mm] [in]	CODE	L		b		A	pcs
		[mm]	[in]	[mm]	[in]	[in]	
8 0.32 TX 40	HBSEVO8100C5	100	4	52	2 1/16	1 3/4	100
	HBSEVO8120C5	120	4 3/4	60	2 3/8	2 1/4	100
	HBSEVO8140C5	140	5 1/2	60	2 3/8	3	100
	HBSEVO8160C5	160	6 1/4	80	3 1/8	3	100
	HBSEVO8180C5	180	7 1/8	80	3 1/8	3 3/4	100
	HBSEVO8200C5	200	8	80	3 1/8	4 1/2	100
	HBSEVO8220C5	220	8 5/8	80	3 1/8	5 1/2	100
	HBSEVO8240C5	240	9 1/2	80	3 1/8	6 1/4	100
	HBSEVO8280C5	280	11	80	3 1/8	7 3/4	100
	HBSEVO8320C5	320	12 5/8	100	4	8 1/2	100

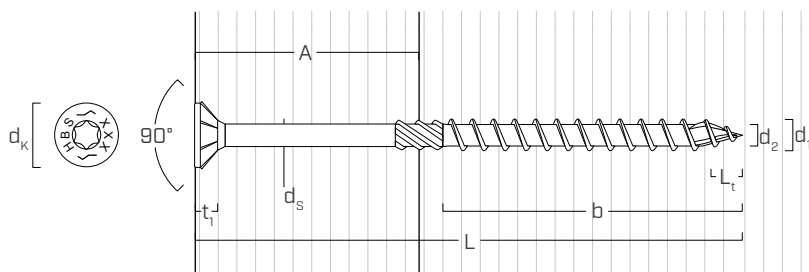
RELATED PRODUCTS



HUS EVO
TURNED WASHER

see page 72

GEOMETRY



Nominal diameter	d ₁	[in] ⁽¹⁾	0.14	0.16	0.18	0.20	0.24	0.32
		[mm]	3,5	4	4,5	5	6	8
Outer thread diameter	d ₁	[in]	0.138	0.157	0.177	0.197	0.236	0.315
Head diameter	d _k	[in]	0.276	0.315	0.354	0.394	0.472	0.571
Root diameter	d ₂	[in]	0.089	0.100	0.110	0.134	0.156	0.213
Shank diameter	d _s	[in]	0.096	0.108	0.124	0.144	0.169	0.228
Head thickness	t ₁	[in]	0.087	0.110	0.110	0.122	0.177	0.177
Tip length	L _t	[in]	0.138	0.157	0.177	0.197	0.236	0.315
Pre-drilling hole diameter ⁽²⁾	d _{V,G≤0.55}	[in]	-	-	-	1/8	5/32	13/64
Pre-drilling hole diameter ⁽³⁾	d _{V,G>0.55}	[in]	-	-	-	9/64	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).

For minimum distances and structural values see HBS EVO on page 54.