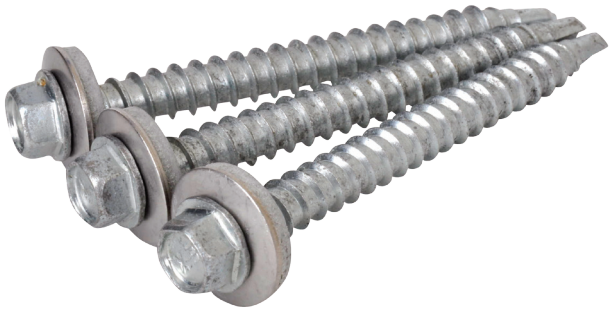
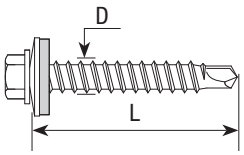
E-X BOHR RS 6,5xL with washer E16

Self-drilling screws for fixing **steel sheets to wooden substrate**



Product code	EAN code	DxL	Color	h min	h max	Max. drilling capacity	Head size	Washer diameter	Single box	Outer cartoon
				steel/wood						
				h_{ef} = min. 30 mm						
		mm		mm	mm	mm	mm	mm	pcs.	pcs.
72011103	0000720111031	6,5 x 50	zinc	0,63	20	2,00	8	16	500	-
72011203	0000720112038	6,5 x 65	zinc	0,63	35	2,00	8	16	400	-



MATERIALS:

- Screws are made of stainless steel with drilling point made of surface-hardened carbon steel, zinc plated
- Washer is made of stainless steel with vulcanized EPDM layer
- Screw heads and washers may be coated with lacquer coating

INSTALLATION:

- Anchoring depth in wood **min 30 mm**
- Maximum drilling capacity in steel up **to 2,00 mm**
- For installation, use cappers with a maximum speed of 1800 rpm with regulated torque

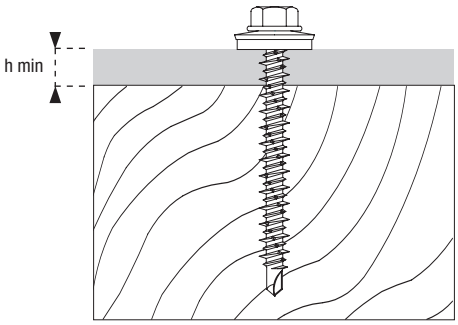
TECHNICAL ASSESSMENTS:

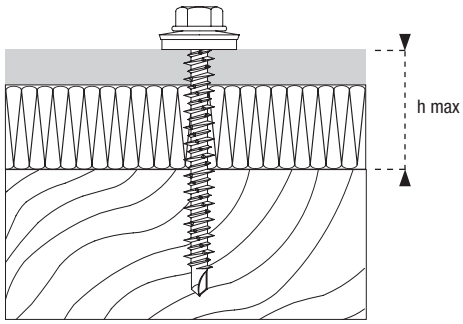
- ETA-11/0174

CE

class A1 reaction to fire

MAXIMUM AND MINIMUM THICKNESS OF FIXED ELEMENTS TO WOODEN SUBSTRATE





h min – when fixing steel sheets to wooden substrate is the minimum thickness of the steel sheet that can be fixed

h max – when fixing steel sheets to wooden substrate is the maximum thickness of the fixed elements. Is the sum of: the thickness of the steel sheet and the thickness of components located between the substrate and steel sheet or the thickness of the air gap. Embedment depth in wood was already counted.

TECHNICAL SPECIFICATIONS

Fastener designation	Steel sheet thickness[1], [mm]	Characteristic share load, [kN]*							
		Effective embedment depth in wood h_{ef} [mm] [2]							
		30,00	35,00	40,00	45,00	50,00	55,00	60,00	65,00
E-X BOHR RS 6,5xL	0,50	-							
	0,55	-							
	0,63	1,16							
	0,75	1,30							
	0,88	1,39							
	1,00	1,46							
	1,13	1,49							
	1,25	1,51							
	1,50	1,53							
	1,75	1,59							
	2,00	1,78							

* In order to determine the design resistance characteristic value should be divided by a safety factor of 1.33

[1] steel grade S280GD, S320GD, S350GD according to EN 10346
[2] construction wood according to EN 14081

Fastener designation	Steel sheet thickness[1], [mm]	Characteristic tension load, [kN]*							
		Effective embedment depth in wood h_{ef} [mm] [2]							
		30,00	35,00	40,00	45,00	50,00	55,00	60,00	65,00
E-X BOHR RS 6,5xL	0,50	-							
	0,55	-							
	0,63	1,68	1,99	2,30	2,61	2,87			
	0,75					2,91			
	0,88					2,95			
	1,00								
	1,13								
	1,25								
	1,50								
	1,75								
	2,00								

* In order to determine the design resistance characteristic value should be divided by a safety factor of 1.33

[1] steel grade S280GD, S320GD, S350GD according to EN 10346
[2] construction wood according to EN 14081