

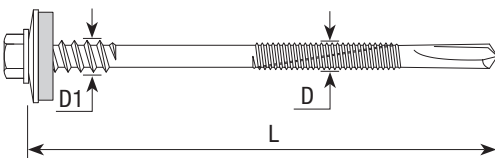


E-X BOHR 5 HT 6,3/5,5xL with washer E19

Stainless self-drilling screws for fixing sandwich panels to the steel substrate



Product code	EAN code	D1/DxL	h min	h max	Max. drilling capacity	Head size	Washer diameter	Single box	Outer carton
		mm	mm	mm					
72071104	0000720711033	6,3/5,5 x 75	30	46	12,50	8	19	300	-
72071504	0000720715031	6,3/5,5 x 95	35	66	12,50	8	19	250	-
72071604	0000720716038	6,3/5,5 x 110	50	81	12,50	8	19	200	-
72071794	0000720717943	6,3/5,5 x 130	70	101	12,50	8	19	150	-
72071804	0000720718032	6,3/5,5 x 150	90	121	12,50	8	19	150	-
72071904	0000720719039	6,3/5,5 x 165	105	136	12,50	8	19	150	-
72072094	0000720720943	6,3/5,5 x 190	130	161	12,50	8	19	150	-
72072104	0000720721032	6,3/5,5 x 210	150	181	12,50	8	19	150	-
72072304	0000720723036	6,3/5,5 x 240	180	211	12,50	8	19	100	-
72072704	0000720727034	6,3/5,5 x 270	210	241	12,50	8	19	100	-
72072904	0000720729038	6,3/5,5 x 290	230	261	12,50	8	19	100	-



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

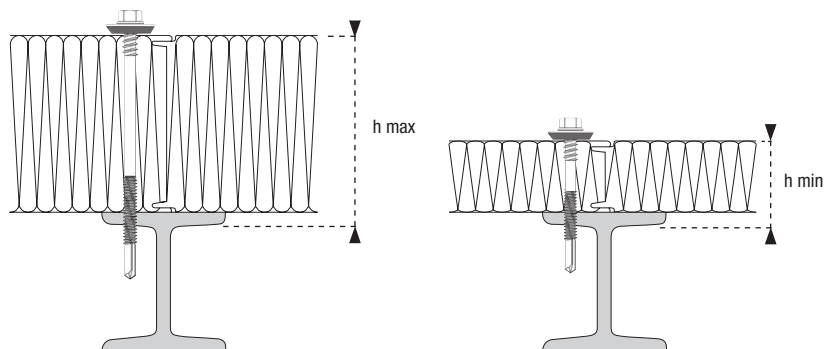
INSTALLATION:

- Maximum drilling capacity in steel up to **12,50 mm**
- For installation, use cappers with a maximum speed of 1500 rpm with regulated torque

TECHNICAL ASSESSMENTS:

- ETA-13/0181

MAXIMUM AND MINIMUM THICKNESS OF FIXED ELEMENTS:



- h min** – minimum thickness of the fixed elements. Is the sum of: sandwich panel thickness at the fixing point, the thickness of the substrate, the insulating tape thickness or saddle washers thickness if any.
- h max** – maximum thickness of the fixed elements. Is the sum of: sandwich panel thickness at the fixing point, the thickness of the substrate, the insulating tape thickness or saddle washers thickness if any.

TECHNICAL SPECIFICATIONS

Fastener designation	Sandwich panel lining thickness ¹⁾ , [mm]	Characteristic share load, [kN]*								
		Steel substrate thickness ²⁾ , [mm]								
		1,50	2,00	2,50	3,00	4,00	5,00	6,00	8,00	≥10,00
E-X BOHR 5 HT 5,5xL	0,40	-	-	-	-	-	-	-	-	-
	0,50	-	-	-	1,18	1,20	1,23	1,23	1,23	1,30
	0,55	-	-	-	1,58	1,61	1,65	1,65	1,65	1,70
	0,63	-	-	-	2,21	2,25	2,31	2,31	2,31	2,40
	0,75	-	-	-	3,17	3,24	3,31	3,31	3,31	3,40
	0,88	-	-	-	3,50	3,58	3,66	3,66	3,66	3,70
	1,00	-	-	-	3,81	3,89	3,98	3,98	3,98	4,00

* 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⁾ steel grade S235, S275, S355 according to EN 10025-1; S280GD, S320GD according to EN 10346

Fastener designation	Sandwich panel lining thickness ¹⁾ , [mm]	Characteristic tension load, [kN]*								
		Steel substrate thickness ²⁾ , [mm]								
		1,50	2,00	2,50	3,00	4,00	5,00	6,00	8,00	≥10,00
E-X BOHR 5 HT 5,5xL	0,40	-	-	-	-	-	-	-	-	-
	0,50	-	-	-	2,40	2,40	2,40	2,40	2,40	2,40
	0,55	-	-	-	2,60	2,60	2,60	2,60	2,60	2,60
	0,63	-	-	-	3,00	3,00	3,00	3,00	3,00	3,00
	0,75	-	-	-	3,60	3,60	3,60	3,60	3,60	3,60
	0,88	-	-	-	4,20	4,20	4,20	4,20	4,20	4,20
	1,00	-	-	-	4,70	4,70	4,70	4,70	4,70	4,70

* 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⁾ steel grade S235, S275, S355 according to EN 10025-1; S280GD, S320GD according to EN 10346