

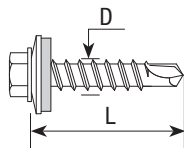


## E-X BOHR 2 5,5xL with washer E16

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



Product code	EAN code	DxL	Color	h min	h max	Max. drilling capacity	Head size	Washer diameter	Single box	Outer carton
		mm	-	mm	mm	mm	mm	mm	pcs.	pcs.
72030603	0000720306031	5,5 x 25	zinc	1,00+0,63	8	3,50	8	16	1000	-
72030703	0000720307038	5,5 x 38	zinc	1,00+0,63	21	3,50	8	16	800	-



### 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:

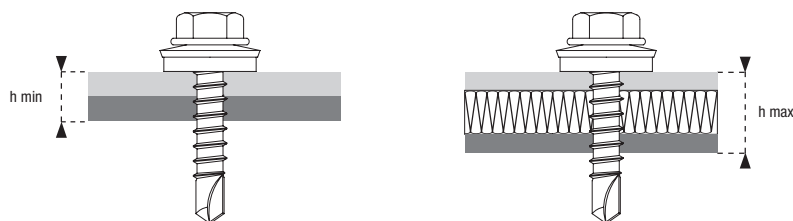
- Maximum drilling capacity in steel up to **3,50 mm**
- For installation, use cappers with a maximum speed of 1800 rpm with regulated torque

### TECHNICAL ASSESSMENTS:

- ETA-11/0174



**MAXIMUM AND MINIMUM THICKNESS OF FIXED ELEMENTS:**



- h min** – minimum thickness of the fixed elements. Is the sum of: the minimum thickness of the substrate and the minimum thickness of the steel sheet tested with specific screw type
- h max** – maximum thickness of the fixed elements. Is the sum of: the thickness of the substrate, 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

**TECHNICAL SPECIFICATIONS**

Fastener designation	Steel sheet thickness <sup>1)</sup> , [mm]	Characteristic share load, [kN]*							
		Steel substrate thickness <sup>2)</sup> , [mm]							
		0,63	0,75	0,88	1,00	1,13	1,25	1,50	2,00
E-X BOHR 2 5,5xL	0,50	-	-	-	-	-	-	-	-
	0,55	-	-	-	-	-	-	-	-
	0,63	-	-	-	1,20	1,50	1,70	1,70	1,70
	0,75	-	-	-	1,60	1,80	2,00	2,00	2,00
	0,88	-	-	-	2,00	2,20	2,30	2,40	2,40
	1,00	-	-	-	2,20	2,60	2,70	2,70	2,70
	1,13	-	-	-	2,20	2,60	2,70	2,70	2,70
	1,25	-	-	-	2,20	2,60	2,70	2,70	2,70
	1,50	-	-	-	2,20	2,60	2,70	2,70	2,70
	1,75	-	-	-	2,20	2,60	2,70	2,70	-
2,00	-	-	-	2,20	2,60	2,70	2,70	-	

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

<sup>1)</sup> steel grade S280GD, S320GD according to EN 10346

<sup>2)</sup> steel grade S235 according to EN 10025-1; S280GD, S320GD according to EN 10346

Fastener designation	Steel sheet thickness <sup>1)</sup> , [mm]	Characteristic tension load, [kN]*							
		Steel substrate thickness <sup>2)</sup> , [mm]							
		0,63	0,75	0,88	1,00	1,13	1,25	1,50	2,00
E-X BOHR 2 5,5xL	0,50	-	-	-	0,38	0,43	0,54	0,76	1,19
	0,55	-	-	-	0,48	0,55	0,68	0,95	1,50
	0,63	-	-	-	0,70	0,80	1,00	1,40	2,20
	0,75	-	-	-	0,70	0,80	1,00	1,40	2,20
	0,88	-	-	-	0,70	0,80	1,00	1,40	2,20
	1,00	-	-	-	0,70	0,80	1,00	1,40	2,20
	1,13	-	-	-	0,70	0,80	1,00	1,40	2,20
	1,25	-	-	-	0,70	0,80	1,00	1,40	2,20
	1,50	-	-	-	0,70	0,80	1,00	1,40	2,20
	1,75	-	-	-	0,70	0,80	1,00	1,40	-
2,00	-	-	-	0,70	0,80	1,00	1,40	-	

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

<sup>1)</sup> steel grade S280GD, S320GD according to EN 10346

<sup>2)</sup> steel grade S235 according to EN 10025-1; S280GD, S320GD according to EN 10346