

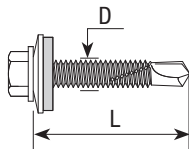


# E-X BOHR 3 5,5x32 with washer E16

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.
72040703	0000720407035	5,5 x 32	zinc	1,50+0,63	16	5,50	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:

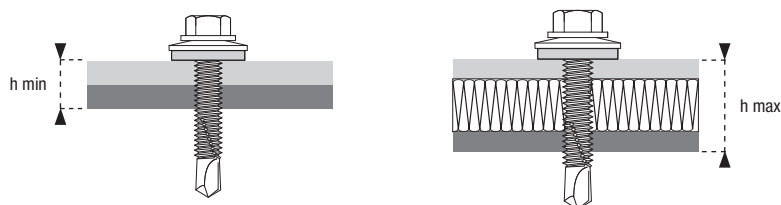
- Maximum drilling capacity in steel up to **5,50 mm**
- For installation, use cappers with a maximum speed of 1500 rpm with regulated torque

### 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]							
		1,50	2,00	2,50	3,00	4,00	5,00	6,00	7,00
E-X BOHR 3 5,5xL	0,50	-	-	-	-	-	-	-	-
	0,55	-	-	-	-	-	-	-	-
	0,63	2,40	2,40	2,40	2,40	2,40	-	-	-
	0,75	2,70	2,80	2,80	3,30	3,30	-	-	-
	0,88	3,00	3,50	3,50	4,20	4,20	-	-	-
	1,00	3,20	3,60	3,60	4,30	4,30	-	-	-
	1,13	3,20	3,60	3,60	4,30	4,30	-	-	-
	1,25	3,20	3,60	3,60	4,30	4,30	-	-	-
	1,50	3,20	3,60	3,60	4,30	-	-	-	-
	1,75	3,20	3,60	3,60	4,30	-	-	-	-
2,00	3,20	3,60	3,60	4,30	-	-	-	-	

\* 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]							
		1,50	2,00	2,50	3,00	4,00	5,00	6,00	7,00
E-X BOHR 3 5,5xL	0,50	0,54	0,97	0,97	1,57	1,57	-	-	-
	0,55	0,88	1,23	1,23	1,98	1,98	-	-	-
	0,63	1,00	1,80	1,80	2,90	2,90	-	-	-
	0,75	1,00	1,80	1,80	3,50	3,50	-	-	-
	0,88	1,00	1,80	1,80	4,10	4,10	-	-	-
	1,00	1,00	1,80	1,80	4,60	4,70	-	-	-
	1,13	1,00	1,80	1,80	4,60	5,40	-	-	-
	1,25	1,00	1,80	1,80	4,60	6,00	-	-	-
	1,50	1,00	1,80	1,80	4,60	-	-	-	-
	1,75	1,00	1,80	1,80	4,60	-	-	-	-
2,00	1,00	1,80	1,80	4,60	-	-	-	-	

\* 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