

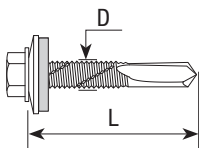


E-X BOHR 5 5,5x38 with washer E16

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. |
| 72050803 | 0000720508039 | 5,5 x 38 | zinc | 6,00+0,63 | 11 | 12,50 | 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

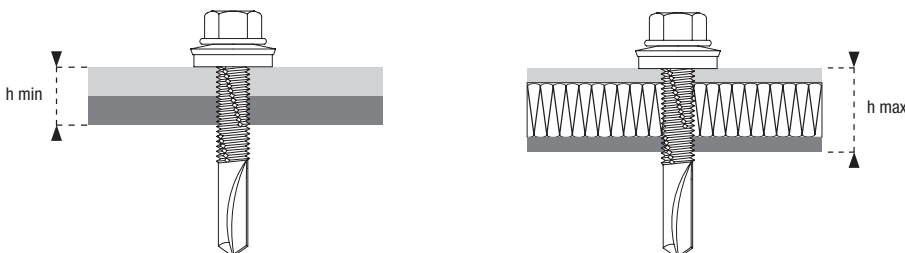
INSTALLATION:

- Maximum drilling capacity in steel up to **12,50 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

| Oznaczenie łącznika | Steel sheet thickness ¹⁾ , [mm] | Characteristic share load, [kN]* | | | | | | | |
|---------------------|--|--|------|------|------|-------|-------|-------|-------|
| | | Steel substrate thickness ²⁾ , [mm] | | | | | | | |
| | | 4,00 | 5,00 | 6,00 | 8,00 | 10,00 | 12,00 | 13,00 | 14,00 |
| E-X BOHR 5 5,5xL | 0,50 | - | - | - | - | - | - | - | - |
| | 0,55 | - | - | - | - | - | - | - | - |
| | 0,63 | - | - | 4,00 | 4,00 | 4,00 | - | - | - |
| | 0,75 | - | - | 4,50 | 4,50 | 4,50 | - | - | - |
| | 0,88 | - | - | 4,90 | 5,00 | 5,00 | - | - | - |
| | 1,00 | - | - | 5,30 | 5,40 | 5,50 | - | - | - |
| | 1,13 | - | - | 5,70 | 5,90 | 6,00 | - | - | - |
| | 1,25 | - | - | 6,10 | 6,30 | 6,50 | - | - | - |
| | 1,50 | - | - | 6,10 | 6,30 | 6,50 | - | - | - |
| | 1,75 | - | - | 6,10 | 6,30 | 6,50 | - | - | - |
| 2,00 | - | - | 6,10 | 6,30 | 6,50 | - | - | - | |

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

¹⁾ steel grade S280GD, S320GD according to EN 10346

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

| Oznaczenie łącznika | Steel sheet thickness ¹⁾ , [mm] | Characteristic tension load, [kN]* | | | | | | | |
|---------------------|--|--|------|------|------|-------|-------|-------|-------|
| | | Steel substrate thickness ²⁾ , [mm] | | | | | | | |
| | | 4,00 | 5,00 | 6,00 | 8,00 | 10,00 | 12,00 | 14,00 | 16,00 |
| E-X BOHR 5 5,5xL | 0,50 | - | - | 1,84 | 1,84 | 1,84 | - | - | - |
| | 0,55 | - | - | 2,32 | 2,32 | 2,32 | - | - | - |
| | 0,63 | - | - | 3,40 | 3,40 | 3,40 | - | - | - |
| | 0,75 | - | - | 3,90 | 3,90 | 3,90 | - | - | - |
| | 0,88 | - | - | 4,40 | 4,40 | 4,40 | - | - | - |
| | 1,00 | - | - | 4,90 | 4,90 | 4,90 | - | - | - |
| | 1,13 | - | - | 5,40 | 5,40 | 5,40 | - | - | - |
| | 1,25 | - | - | 5,80 | 5,80 | 5,80 | - | - | - |
| | 1,50 | - | - | 6,60 | 6,60 | 6,60 | - | - | - |
| | 1,75 | - | - | 6,60 | 6,60 | 6,60 | - | - | - |
| 2,00 | - | - | 6,60 | 6,60 | 6,60 | - | - | - | |

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

¹⁾ steel grade S280GD, S320GD according to EN 10346

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