

BSA anchor

Technical card of the product (english version)



Description

BSA anchor is shaped kind of connections that requires to make a hole of correct undercut geometry. Thanks to the correct match the BSA anchor in undercut this construction guarantees maximum safety and minimum distances from the edge of the material and in between the axes of the anchors. Shaped connection largely eliminates dowel pressure (BSA is not a pressure anchor). The undercut hole is performed using dedicated tools and machinery, which are responsible for giving the required geometry. Sitting the anchor in the hole is performed using a MFX360 tool, which does not damage the tile (impact free techniqu). BSA anchors have the largest undercut diameter, it is 3.0mm wider than enter. Thanks to that it ensure the greatest safety.

Ingredients

BSA anchors consist of the following elements:

- conical screw M6x25-35 or M8,
- washer,
- nut M6 or M8
- sleeve anchor.

Types of anchors

BSA anchors are made in two diameters:

- Ø10/13mm: S10 ... M6 and M8 heavy-duty and compact materials (granite, architectural concrete, HPL, ceramics, stone conglomerates ...)
- Ø12/15mm: S12 ... M8 to very high loads and soft materials (for example sandstone), which requires a large area of contact with the material.

BSA deposition depth of anchors ranges from 5mm (min. thickness 8mm) to 20mm (min 23mm thickness).

Corrosion resistance.

Depending on the corrosivity of the environment anchor elements may be made of the following materials:

- Carbon steel protected against corrosion by a zinc-plated,
- Corrosion-resistant carbon steel for resistance C3 and C4 according to EN ISO 12944-2,
- Stainless steel A2 group (304): 1.4301 (X5CrNi18-10, OH18N9), 1.4307 (X2CrNi18-9, OOH18N10), 1.4367 (X3CrNiCu18-9-4),
- Stainless steel Group A4 (316): 1.4401 (X5CrNiMo17-2-2, H17N13M2T), 1.4404 (X2CrNiMo17-12-2, OOH17N14M2), 1.4578 (X3CrNiCuMo17-11-3-2), 1.4436 (OH17N12M2T)
- Stainless Steel Grade A5: 1.4571 (X6CrNiMoTi17-13-5, H17N13M2T).

Due to the environmental air-dry ventilated space, the absence of electrolyte and the lack of potential differences between the elements made of different metals (aluminum, stainless steel, galvanized steel) galvanic corrosion does not occur.

Base:

1. Research Report of the German Institute for ventilated facades FVHF-Focus "Tauwasserschutz Regenschutz von und mit vorgehängten hinterlüfteten Außenwänden Fassaden".
2. ISER Report 829 "Edelstahl Rostfrei Contact the myth anderen Werkstoffen".
- 3 Research Report of electrical potentials in contact between dissimilar metals-Cracow Technical University.

Areas of application

BSA anchor is dedicated for mounting plates with a thickness of 8mm min, both inside and outside. Anchor pullout strength depends on the diameter (S10. .. / S12 ...) and depth of installation and type of material.

BSA anchors can be used for the following types of materials (producer)

- Natural stone: granite, marble, sandstone, limestone, travertine ...
- Ceramics: Petraluxe, Mirage, Lapitec, Cotto d'Este, SMG ...
- Conglomerate stone: Compac, Technistone, Quarella, Silestone ...
- Porcelanogres: Porcelaingres, Marazzi, Ariostea, Porcelanosa ...
- Plastics: Corian, HiMacs, Staron, Montelli, Mistral, GetaCore, Kerrock, Hanex, Avonite, Durat, Wilsonart, Minerelle, GetaCore ...
- Glassceramic: Stoneglass, Hecker Glaskeramik / keramikglas,
- HPL laminates: Trespa, VETISOL, Prodema, FunderMax, Abet SpA, Kronospan ...
- architectural concrete: HPC, GRC, FGRC, Rieder, Fydro, Polycon, Leg-Tur, KRK, Hering ...
- Fiber-cement: Euronit, Cembrit, VETISOL, Carea, Minerit, Swisspearl ...
- And others: Rockpanel,

Related Products

Anchor BSA requires the use of the following equipment and tools:

- Diamond drill bits and cutting,
- fitting tool MFX360 (compatible with electro tools),
- daVID hand driller,
- Goliath automatic drilling head.

Note:

BSA anchor is covered by EU patent protection and registered as an industrial design in Alicante. Company Blick Ltd reserves the right to alter specifications without prior notice. Use anchors BSA requires a pull out tests made in independent institutions. Made tearing and shearing tests BSA anchors are available on request.