BSZ-SU Concrete Screw

FEATURES

- Fire resistance class R30-R120 for design of anchorages under exposure to fire
- ETA assessed for anchoring in cracked and non-cracked concrete
- Approved for use in seismic design category C1 (all sizes)
- Approved for use in seismic design category C2 (for Drill Bit Diameters 8 mm and greater)
- Removable anchor is ideal for temporary fixings
- Atlantis finish has superior corrosion protection (up to C3 environment according to EN ISO 9223 & 9224)
- Atlantis finish is suitable for outdoor installation

Material: Steel

SPECIFICATIONS

Table 1/2

Catalog Number	Article Number	Finish	Drill Bit Diameter	Drill Bit Diameter	Screw Length (L)	Embedment Depth
BSZSU06040ZL	402605	Atlantis	6mm	6mm	40mm	35 mm
BSZSU06050ZL	402606	Atlantis	6mm	6mm	50mm	35 mm
BSZSU08070ZL	402610	Atlantis	8mm	8mm	70mm	65 mm
BSZSU10100ZL	402615	Atlantis	10mm	10mm	100mm	85 mm
BSZSU10120ZL	402620	Atlantis	10mm	10mm	120mm	85 mm
BSZSU12110ZL	402625	Atlantis	12mm	12mm	110mm	105 mm
BSZSU06040EG	402635	Electrogalvanized	6mm	6mm	40mm	35 mm
BSZSU06050EG	402640	Electrogalvanized	6mm	6mm	50mm	35 mm
BSZSU08070EG	402645	Electrogalvanized	8mm	8mm	70mm	65 mm

Catalog Number	Article Number	Finish	Drill Bit Diameter	Drill Bit Diameter	Screw Length (L)	Embedment Depth
BSZSU10100EG	402650	Electrogalvanized	10mm	10mm	100mm	85 mm
BSZSU10120EG	402658	Electrogalvanized	10mm	10mm	120mm	85 mm
BSZSU12110EG	402663	Electrogalvanized	12mm	12mm	110mm	105 mm

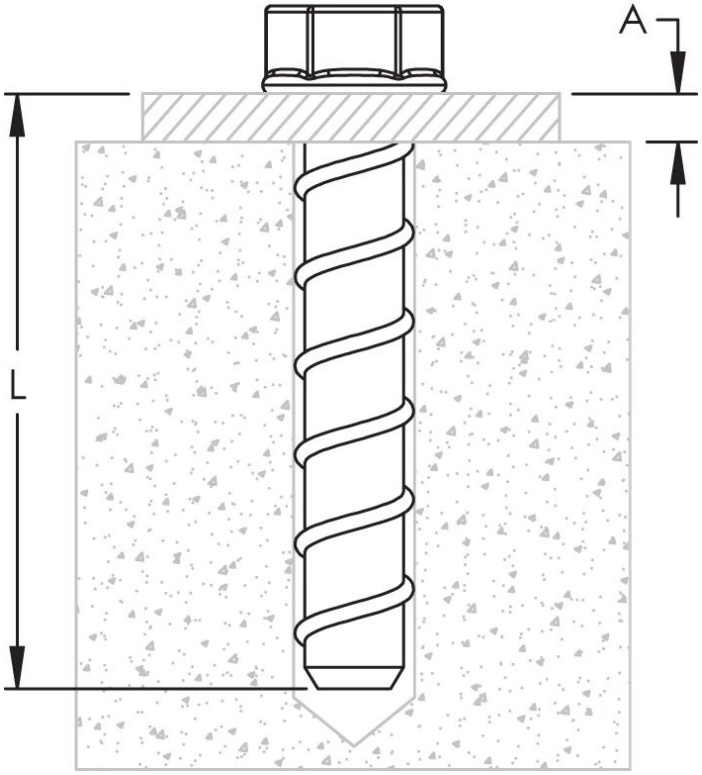
Table 2/2

Catalog Number	Article Number	A	Torque (TQ)	Certifications
BSZSU06040ZL	402605	5 mm	10 N·m	CE, 20-0046, CE, 20-0494
BSZSU06050ZL	402606	15 mm	10 N·m	CE, 20-0494, CE, 20-0046
BSZSU08070ZL	402610	5 mm	20 N·m	CE, 20-0046, VdS
BSZSU10100ZL	402615	15 mm	30 N·m	VdS, CE, 20-0046
BSZSU10120ZL	402620	35 mm	30 N·m	CE, 20-0046, VdS
BSZSU12110ZL	402625	5 mm		CE, 20-0046, VdS
BSZSU06040EG	402635	5 mm	10 N·m	CE, 20-0046, CE, 20-0494
BSZSU06050EG	402640	15 mm	10 N·m	CE, 20-0046, CE, 20-0494
BSZSU08070EG	402645	5 mm	20 N·m	VdS, CE, 20-0046
BSZSU10100EG	402650	15 mm	30 N·m	VdS, CE, 20-0046
BSZSU10120EG	402658	35 mm	30 N·m	CE, 20-0046, VdS
BSZSU12110EG	402663	5 mm		VdS, CE, 20-0046

Characteristic Axial Loads from ETA-20/0046

Part Number	Cracked Concrete C20/25	Non-Cracked Concrete C20/25	Standard Embedment Depth
BSZSU06040xx	1.81 kN	1.98 kN	35 mm
BSZSU06050xx	1.81 kN	1.98 kN	35 mm
BSZSU08070xx	5.88 kN	8.41 kN	65 mm
BSZSU10100xx	8.99 kN	12.85 kN	85 mm
BSZSU10120xx	8.99 kN	12.85 kN	85 mm
BSZSU12110xx	12.51 kN	17.87 kN	105 mm

DIAGRAMS



WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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