

# BSZ-SU Concrete Screw, Atlantis, 12 mm Drill Bit Diameter, 110 mm Screw

## CATALOG NUMBER

**BSZSU12110ZL**

## 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



## PRODUCT ATTRIBUTES

Article Number: 402625

Material: Steel

Finish: Atlantis

Drill Bit Diameter: 12mm

Screw Length (L): 110mm

Embedment Depth: 105 mm

A: 5 mm

# 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](http://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.

#### North America

+1.800.753.9221

Option 1 – Customer Care

Option 2 – Technical

Support

#### Europe

Netherlands:

+31 800-0200135

France:

+33 800 901 793

#### Europe

Germany:

800 1890272

Other Countries:

+31 13 5835404

#### APAC

Shanghai:

+ 86 21 2412 1618/19

Sydney:

+61 2 9751 8500



©2026 nVent. All nVent marks and logos are owned or licensed by nVent Services GmbH or its affiliates. All other trademarks are the property of their respective owners. nVent reserves the right to change specifications without notice.

This document is system-generated.

