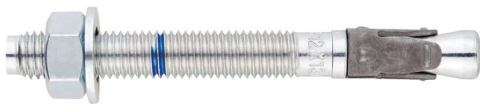


# Bolt Expansion Anchor



## FEATURES

Heavy duty wedge anchor

For cracked and non-cracked concrete

Fire resistance class R30-R120 for design of anchorages under exposure to fire

Approved for use in seismic design category C1 & C2 (for Drill Bit Diameters 8 mm and greater)



## SPECIFICATIONS

Table 1/2

| Catalog Number | Article Number | Material                        | Finish            | Thread Size (TS) | Length (L) | Embedment Depth |
|----------------|----------------|---------------------------------|-------------------|------------------|------------|-----------------|
| SABM10010      | 400410         | Steel                           | Electrogalvanized | M10              | 90mm       | 68 mm           |
| SABM10010S6    | 401152         | Stainless Steel 316 (EN 1.4401) |                   | M10              | 90mm       | 68 mm           |
| SABM10050      | 400411         | Steel                           | Electrogalvanized | M10              | 135mm      | 68 mm           |
| SABM10050S6    | 401153         | Stainless Steel 316 (EN 1.4401) |                   | M10              | 135mm      | 68 mm           |
| SABM12015      | 402170         | Steel                           | Electrogalvanized | M12              | 110mm      | 80 mm           |
| SABM12050      | 401158         | Steel                           | Electrogalvanized | M12              | 150mm      | 80 mm           |
| SABM16025      | 402171         | Steel                           | Electrogalvanized | M16              | 145mm      | 97 mm           |

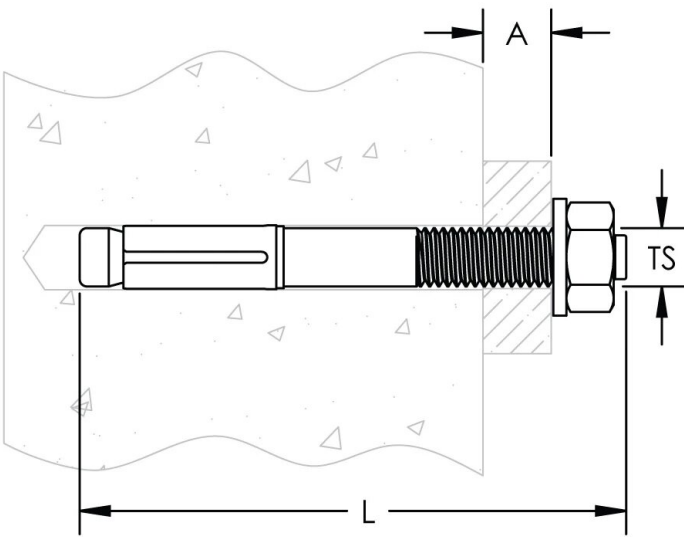
| Catalog Number | Article Number | Material                        | Finish            | Thread Size (TS) | Length (L) | Embedment Depth |
|----------------|----------------|---------------------------------|-------------------|------------------|------------|-----------------|
| SABM20030      | 402446         | Steel                           | Electrogalvanized | M20              | 167mm      | 114 mm          |
| SABM8010       | 400408         | Steel                           | Electrogalvanized | M8               | 75mm       | 55 mm           |
| SABM8050       | 400409         | Steel                           | Electrogalvanized | M8               | 115mm      | 55 mm           |
| SABM8050S6     | 401151         | Stainless Steel 316 (EN 1.4401) |                   | M8               | 115mm      | 55 mm           |

Table 2/2

| Catalog Number | Article Number | A     | Drill Bit Diameter |
|----------------|----------------|-------|--------------------|
| SABM10010      | 400410         | 10 mm | 10mm               |
| SABM10010S6    | 401152         | 10 mm | 10mm               |
| SABM10050      | 400411         | 55 mm | 10mm               |
| SABM10050S6    | 401153         | 55 mm | 10mm               |
| SABM12015      | 402170         | 14 mm | 12mm               |
| SABM12050      | 401158         | 54 mm | 12mm               |
| SABM16025      | 402171         | 28 mm | 16mm               |
| SABM20030      | 402446         | 32 mm | 20mm               |
| SABM8010       | 400408         | 9 mm  | 8mm                |
| SABM8050       | 400409         | 49 mm | 8mm                |
| SABM8050S6     | 401151         | 49 mm | 8mm                |

Characteristic Axial Loads from ETA-12/0397

| Part Number | Cracked Concrete C20/25 | Non-Cracked Concrete C20/25 |
|-------------|-------------------------|-----------------------------|
| SABM8010    | 2.4 kN                  | 3.6 kN                      |
| SABM8050    | 2.4 kN                  | 3.6 kN                      |
| SABM10010   | 4.3 kN                  | 7.6 kN                      |
| SABM10050   | 4.3 kN                  | 7.6 kN                      |
| SABM12015   | 7.6 kN                  | 11.9 kN                     |
| SABM12050   | 7.6 kN                  | 11.9 kN                     |
| SABM16025   | 11.9 kN                 | 16.7 kN                     |
| SABM20030   | 14.3 kN                 | 23.8 kN                     |
| SABM8010S6  | 2.4 kN                  | 4.3 kN                      |
| SABM8050S6  | 2.4 kN                  | 4.3 kN                      |
| SABM10010S6 | 4.3 kN                  | 7.6 kN                      |
| SABM10050S6 | 4.3 kN                  | 7.6 kN                      |



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.

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