

# Bolt Expansion Anchor



## CERTIFICATIONS



## 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 |
|----------------|----------------|---------------------------------|-------------------|------------------|------------|-----------------|
| SABM8010       | 400408         | Steel                           | Electrogalvanized | M8               | 75mm       | 55 mm           |
| SABM8010S6     | 401150         | Stainless Steel 316 (EN 1.4401) |                   | M8               | 75mm       | 55 mm           |
| SABM8050       | 400409         | Steel                           | Electrogalvanized | M8               | 115mm      | 55 mm           |

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

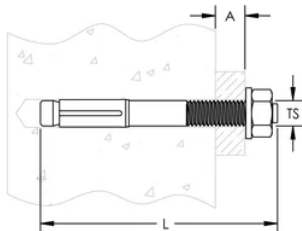
Table 2/2

| Catalog Number | Article Number | A     | Drill Bit Diameter |
|----------------|----------------|-------|--------------------|
| SABM8010       | 400408         | 9 mm  | 8mm                |
| SABM8010S6     | 401150         | 9 mm  | 8mm                |
| SABM8050       | 400409         | 49 mm | 8mm                |
| SABM8050S6     | 401151         | 49 mm | 8mm                |
| SABM10010      | 400410         | 10 mm | 10mm               |
| SABM10010S6    | 401152         | 10 mm | 10mm               |
| SABM10050      | 400411         | 55 mm | 10mm               |

| Catalog Number | Article Number | A     | Drill Bit Diameter |
|----------------|----------------|-------|--------------------|
| 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               |

| 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                      |

## DIAGRAMS



## WARNING

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