

# Concrete Screw S-CSA+ HEX 10X160/75/105 ZP

SORMAT CODE 9640071783



## ETA-approved heavy-duty concrete screws for high loads

- Self-tapping, screw anchors for push-through installations.
- Requires a small drill hole diameter. No prescribed tightening torque.
- No expansion forces allowing for small edge distances and spacings.
- Fully removable.
- Type WOF = without combined washer
- Seismic performance category C2 with  $h_{ef}$ -2.
- ZP for dry indoor use.

## PRODUCT OVERVIEW

|             |                                                     |
|-------------|-----------------------------------------------------|
| Other codes | SNRO 1310893 / LVI 3255568                          |
| Material    | Steel, zinc plated                                  |
| Packages    | box (bag): 25 / outer<br>carton: 125 / pallet: 7000 |
| Weight      | 109.0 kg / 1000                                     |
| GTIN-13     | 6416031717833                                       |

## APPLICATIONS

- Facade scaffoldings
- Temporary fixings
- Seatings
- Shelves
- Cable racks
- Handrails
- Battens

## BASE MATERIALS

- APPROVED FOR
- Cracked concrete
  - Non-cracked concrete
- ALSO SUITABLE FOR
- Solid clay brick
  - Solid sand-lime brick

## APPROVALS / CERTIFICATES



ETA-20/0446 + DoPs



Fire resistance (ETA-20/0446)



0809-CPR-20006568



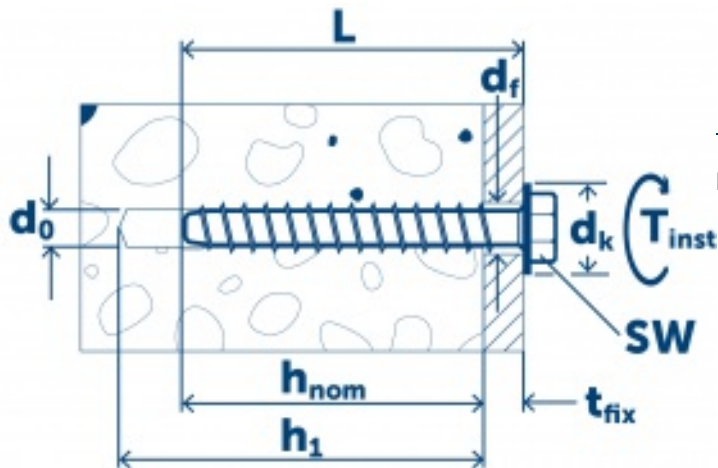
Seismic resistance (ETA-20/0446)

## Technical data

### INSTALLATION DETAILS

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|                                      |        |                                             |        |
|--------------------------------------|--------|---------------------------------------------|--------|
| Size                                 | 10     | Hole in fixture ( $D_f$ )                   | 13-14  |
| Length (L)                           | 160    | Drill hole diameter ( $d_0$ ) $\varnothing$ | 10     |
| Width across flats (SW)              | 15     | Minimum drill hole depth                    | 95/65  |
| Max. fixture thickness ( $T_{fix}$ ) | 75/105 | Drill hole depth ( $h_1$ )                  | 95/65  |
|                                      |        | Nominal setting depth ( $H_{nom}$ )         | 85/55  |
|                                      |        | Installation torque ( $T_{inst}$ )          | max 85 |



HEAD DETAILS

|                             |      |
|-----------------------------|------|
| Head diameter $\varnothing$ | 20,5 |
|-----------------------------|------|

# Performance data

| Base material               | Load type        | Embedment depth ( $h_{nom}$ ) | Load direction | Load value |
|-----------------------------|------------------|-------------------------------|----------------|------------|
| All                         |                  |                               |                |            |
| Non-cracked concrete C20/25 | N <sub>Rec</sub> | 85 mm                         |                | 13.1 kN    |
| Non-cracked concrete C20/25 | V <sub>Rec</sub> | 85 mm                         |                | 20.1 kN    |
| Non-cracked concrete C20/25 | N <sub>Rec</sub> | 55 mm                         |                | 6.5 kN     |
| Non-cracked concrete C20/25 | V <sub>Rec</sub> | 55 mm                         |                | 18.2 kN    |
| Cracked concrete C20/25     | N <sub>Rec</sub> | 85 mm                         |                | 9.0 kN     |
| Cracked concrete C20/25     | V <sub>Rec</sub> | 85 mm                         |                | 20.1 kN    |
| Cracked concrete C20/25     | N <sub>Rec</sub> | 55 mm                         |                | 3.6 kN     |
| Cracked concrete C20/25     | V <sub>Rec</sub> | 55 mm                         |                | 13.6 kN    |

# Installation

