

# Concrete Screw S-CSA+ HEX 10x120/35/65 ML (4 DIY)

SORMAT CODE 9640095925



## 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.
- Seismic performance category C2 with  $h_{ef}$ -2.
- ML (Multi Layer) corrosion protection coating exceeding 1000 hours in SST acc. ISO 9227.
- For outdoor use in not safety relevant applications.

## PRODUCT OVERVIEW

|             |                                 |
|-------------|---------------------------------|
| Other codes | /                               |
| Material    | Multi Layer coated              |
| Packages    | box (bag): 4 / outer carton: 20 |
| Weight      | 84.4 kg / 1000                  |
| GTIN-13     | 6416031959257                   |

## 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



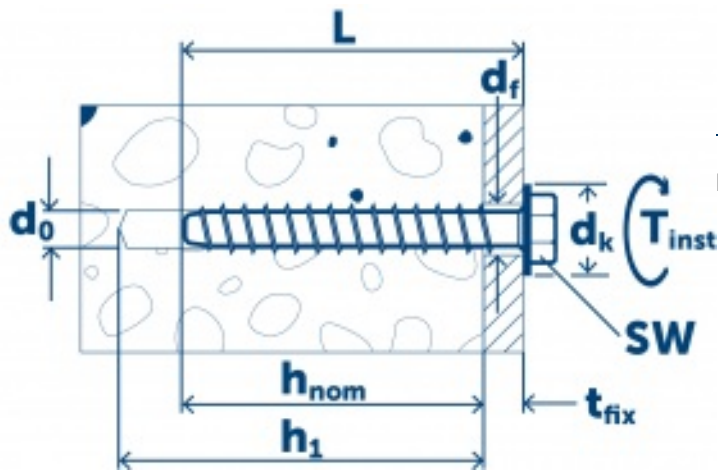
Seismic resistance (ETA-20/0446)

## Technical data

### INSTALLATION DETAILS

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|                                      |       |                                             |        |
|--------------------------------------|-------|---------------------------------------------|--------|
| Size                                 | 10    | Hole in fixture ( $D_f$ )                   | 13-14  |
| Length (L)                           | 120   | Drill hole diameter ( $d_0$ ) $\varnothing$ | 10     |
| Width across flats (SW)              | 15    | Minimum drill hole depth                    | 95/65  |
| Max. fixture thickness ( $T_{fix}$ ) | 35/65 | 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 <sub>nom</sub> ) | 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

