

# Frame plug SDF-KB-10HX100-V

SORMAT CODE 8513100426



- Approved for all common building materials.
- It is advisable to use SDF-KB for fixing metal structures and SDF-S plugs for fixing wooden structures.
- Reliable installation in problematic building material due to optimised expansion part.
- Secure hold due to radial expansion.
- Cr VI-free coating of the screw.
- Double safety lock against torsion for secure installation.
- ZP for dry indoor and temporary outdoor use.

## PRODUCT OVERVIEW

|             |                                                   |
|-------------|---------------------------------------------------|
| Other codes | /                                                 |
| Material    | Polyamide / Steel, zinc plated                    |
| Packages    | box (bag): 50 / outer carton: 500 / pallet: 12000 |
| Weight      | 41.3 kg / 1000                                    |
| GTIN-13     | 5902308560550                                     |

## APPLICATIONS

- Facade substructures
- Angle irons
- Windows frames
- Door frames
- Thick fixtures
- TV wall mounts
- Cabinets and wardrobes
- Squared timbers

## BASE MATERIALS

### APPROVED FOR

- Aerated concrete block
- Cracked concrete
- Non-cracked concrete
- Perforated clay brick
- Perforated sand-lime brick
- Solid clay brick
- Solid sand-lime brick

### ALSO SUITABLE FOR

- Hollow light expanded clay aggregate block
- Natural stone
- Solid light expanded clay aggregate block

## APPROVALS / CERTIFICATES



ETA-10/0305 + DoPs



Fire resistance (ETA-10/0305)



ETA-18/0039 + DoPs

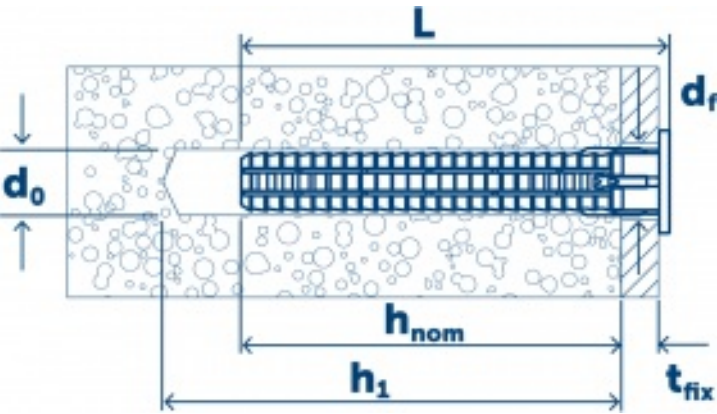


Fire resistance (ETA-18/0039)

## Technical data

INSTALLATION DETAILS

|                                      |     |
|--------------------------------------|-----|
| Size                                 | 10  |
| Length (L)                           | 100 |
| Width across flats (SW)              | 13  |
| Drive                                | T40 |
| Max. fixture thickness ( $T_{fix}$ ) | 30  |



INSTALLATION DETAILS

|                                             |      |
|---------------------------------------------|------|
| Hole in fixture ( $D_f$ )                   | 10,5 |
| Drill hole diameter ( $d_0$ ) $\varnothing$ | 10   |
| Minimum drill hole depth                    | 80   |
| Drill hole depth ( $h_1$ )                  | 80   |
| Nominal setting depth ( $H_{nom}$ )         | 70   |

## Performance data

| Base material <span>All</span>                             | Load type        | Embedment depth (h <sub>nom</sub> ) | Load direction                                                                        | Load value |
|------------------------------------------------------------|------------------|-------------------------------------|---------------------------------------------------------------------------------------|------------|
| Cracked concrete C12/15                                    | N <sub>Rec</sub> | 70 mm                               |    | 1.8 kN     |
| Cracked concrete C12/15                                    | V <sub>Rec</sub> | 70 mm                               |    | 5.3 kN     |
| Non-cracked concrete C12/15                                | N <sub>Rec</sub> | 70 mm                               |    | 1.8 kN     |
| Non-cracked concrete C12/15                                | V <sub>Rec</sub> | 70 mm                               |    | 5.3 kN     |
| Solid clay brick fb ≥ 20,5 N/mm2                           | N <sub>Rec</sub> | 70 mm                               |    | 1.1 kN     |
| Solid clay brick fb ≥ 20,5 N/mm2                           | V <sub>Rec</sub> | 70 mm                               |    | 1.1 kN     |
| Solid sand-lime brick fb ≥ 20 N/mm2                        | N <sub>Rec</sub> | 70 mm                               |    | 1.3 kN     |
| Solid sand-lime brick fb ≥ 20 N/mm2                        | V <sub>Rec</sub> | 70 mm                               |    | 1.3 kN     |
| Hollow light expanded clay aggregate fb ≥ 2,7 MN/m2        | N <sub>Rec</sub> | 70 mm                               |    | 0.3 kN     |
| Solid light expanded clay aggregate fb ≥ 3 MN/m2           | N <sub>Rec</sub> | 70 mm                               |    | 0.4 kN     |
| Light expanded clay aggregate with insulation fb ≥ 4 MN/m2 | N <sub>Rec</sub> | 70 mm                               |  | 0.55 kN    |
| Aerated concrete AAC 2,5                                   | N <sub>Rec</sub> | 70 mm                               |  | 0.40 kN    |
| Aerated concrete AAC 4,0                                   | N <sub>Rec</sub> | 70 mm                               |  | 0.55 kN    |
| Hollow sand-lime brick fb ≥ 20 N/mm2                       | N <sub>Rec</sub> | 70 mm                               |  | 1.00 kN    |

## Installation

