



Female threaded concrete screw M8/ M10 type HCCS

Female threaded concrete screw for mounting threaded rods to a concrete ceiling without using a plug

Brand

- Sufix

Application

- Cracked concrete C20/25 - C50/60
- Uncracked concrete C20/25 - C50/60
- Reinforced concrete
- Unreinforced concrete

Specifications

- Zinc-coated steel
- Steel strength class: 12.9

Composition

- Nominal tensile strength 1200Nmm²
- Yield strength 1080Nmm²
- Tensile strength in case of fire R30 = 0.28kN / R60 = 0.25kN / R90 = 0.20kN / R120 = 0.14kN

Models

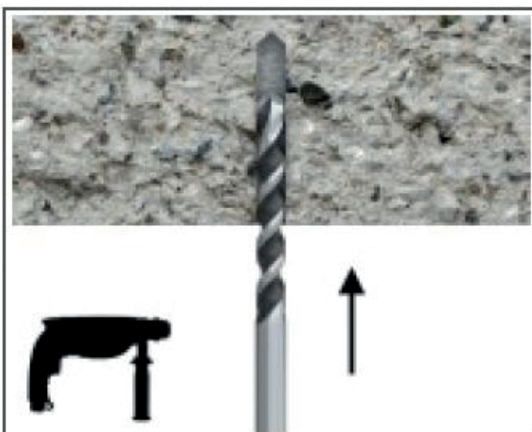
Available in M8 and/or M10

Accessories

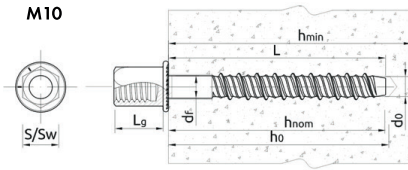
- Hexagon bit **BIT HCCS**

1. Drill a hole with a 6 mm drill bit to the indicated depth.
2. Make sure the hole is free of dust and dirt.
3. Tighten the screw with an impact driver.
4. Tighten to recommended torque.
5. The screw can be reused several times.

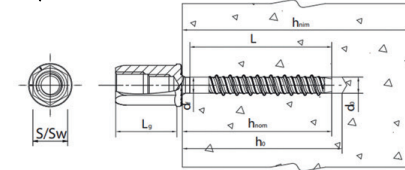
Mounting instructions



M8
M10



M8/M10



| Technical data / Selection table | | | | |
|--|----------------------|---|-----------------------|---|
| HCCS / R-LX | | | | |
| | | 06X035-108-ZP 06X035-18/10Z 06X035-110-ZP | | 06X055-108-ZP 06X055-18/10Z 06X055-110-ZP |
| Thread diameter | d | [mm] | 7.5 | 7.5 |
| Hole diameter in substrate | d ₀ | [mm] | 6 | 6 |
| Length | L | [mm] | 35 | 55 |
| Internal single thread | L _g | [mm] | 12 | 12 |
| Internal double thread M8/10 | L _g | [mm] | 22 | 22 |
| Max. torque for impact screw driver | T _{imp,max} | [Nm] | 400 | 400 |
| Wrench size | Sw | [mm] | 13 | 13 |
| Minimum embedment depth h _{nom} | h _{nom} | [mm] | 35 | 55 |
| Hole depth in substrate | h ₀ | [mm] | L + 10 | L + 10 |
| Min. substrate thickness | h _{min,min} | [mm] | 80 | 84 |
| Min. spacing | S _{min,min} | [mm] | 45 | 45 |
| Min. edge distance | C _{min,min} | [mm] | 45 | 45 |
| F = TENSION AND SHEAR LOAD | | | | |
| Cracked and non-cracked concrete | | | h _{nom} = 35 | h _{nom} = 55 |
| Recommended load | F _{rec} | [kN] | 1.42 | 4.29 |
| Design load | F _{rd} | [kN] | 2 | 6 |
| Characteristic load | F _{rk} | [kN] | 3 | 9 |
| Hollow core slab | | | h _{nom} = 35 | h _{nom} = 55 |
| Recommended load | F _{rec} | [kN] | 2.85 | - |
| Design load | F _{rd} | [kN] | 4 | - |
| Characteristic load | F _{rk} | [kN] | 6 | - |