

Steel anchors

galvanised

Application

- For anchorages of medium-weight loads in concrete and natural stone (hard) in dry interiors of buildings
- Versatile and suitable for attachment with screws or threaded rods in all plumbing, heating and ventilation installations
- Anchors with a length of 25 mm are admitted as multiple attachment of non-load bearing systems for use in prestressed concrete hollow core slab ceilings

Your advantages

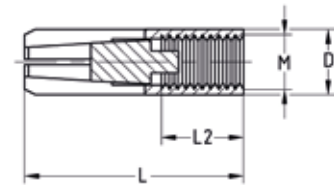
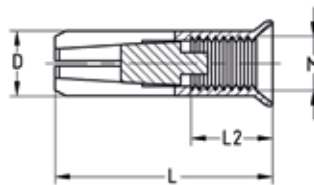
- Secure grip due to controlled splaying as the taper is driven in
- Requires only small drilling depth
- Flush finish with surface of the building material
- Secure expansion force even when the mounting screw is loosened
- European Technical Assessment (ETA) for non-cracked and cracked concrete (reduced loads)
- If used the setting tools for check marking, test loading of the anchor is not required



Steel anchor with collar



Steel anchor



- Efficient and effortless mounting due to headed drill and plug-in setting tool

Features




| Type | Connecting thread | Length L [mm] | Usable thread length L2 [mm] | Drilling diameter D [mm] | FM | Uncracked concrete centrally tensile loaded ETA assessment | | Multiple attachment of non-load bearing systems ETA assessment | | Part no. | Sales unit | Pack unit |
|----------------|-------------------|---------------|------------------------------|--------------------------|----|--|-------------------------------------|--|-------------------------------------|----------|------------|-----------|
| | | | | | | Drilling depth h ₀ [mm] | Permissible load ¹⁾ [kN] | Drilling depth h ₀ [mm] | Permissible load ²⁾ [kN] | | | |
| without collar | M6 | 30 | 13 | 8 | | 30 | 3.3 ³⁾ | 30 | 1.2 | 129092 | 100 | Pieces |
| | M8 | | | 10 | | 30 | 2.8 ³⁾ | 30 | 1.7 | 129093 | | |
| | | 40 | 15 | 12 | x | 40 | 3.6 | 40 | 2 | 129088 | | |
| | M10 | | | 12 | | 40 | 5.1 | 40 | 2 | 129089 | | |
| | M12 | | | 15 | x | 50 | 7.1 | 50 | 2.4 | 129090 | | |
| with collar | M16 | 65 | 23 | 20 | x | 65 | 10.5 | 65 | 6.3 | 129091 | 25 | |
| | M8 | 25 | 12 | 10 | | - | - | 25 | 1.9 | 167194 | 100 | |
| | | | | | | 30 | 2.8 ³⁾ | 30 | 1.7 | 149067 | | |
| | | | | | | 40 | 3.6 ³⁾ | 40 | 2 | 150703 | | |
| | M10 | 25 | 12 | 12 | x | - | - | 25 | 2.1 | 167195 | | |
| | | | | | x | 30 | 3.3 ³⁾ | 30 | 2 | 149068 | | |
| | | | | | x | 40 | 5.1 | 40 | 2 | 149325 | | |
| | M12 | 25 | 12 | 15 | | - | - | 25 | 2.1 | 167196 | 50 | |
| | | | | | x | 50 | 7.1 | 50 | 2.4 | 150704 | | |

¹⁾ The admissible loads apply for single anchors in concrete strength class \geq C20/25 (B25) for axially applied tension without the influence of axial and edge spacings. The safety coefficient according to ETA is included. The European Technical Assessment 05/0160 shall be observed for dimensioning.

²⁾ Use as multiple attachment of non-load-bearing systems according to ETAG 001, part 6. The overall safety coefficient according to ETA is taken into consideration (γ_M und γ_F). The max. permitted load for each attachment point can be below the permitted load of the anchor, depending on national regulations. The permitted loads for each attachment point are regulated by ETAG 001, part 6 for the different countries. The European Technical Assessment 05/0161 shall be observed for dimensioning.

³⁾ Only for use in statically indeterminate systems.

 For the stainless steel version please refer to chapter „Stainless steel“. For additional characteristic values of plugs, for use in areas with requirements on the duration of fire resistance and for use in prestressed concrete hollow core slab ceilings, please refer to the „Technical information“ chapter.