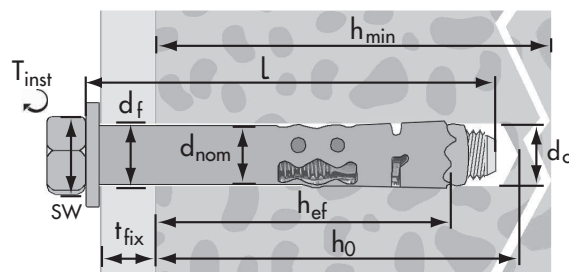
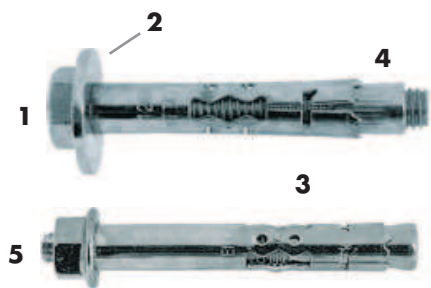




MHA-S Sleeve Anchor



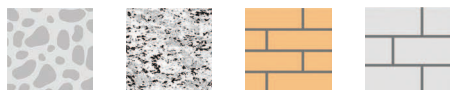
Name

- | | |
|-----------------|--------------------|
| 1 Hexagon screw | 3 Expansion sleeve |
| 2 Washer | 4 Expansion cone |

Features

- Through fixing
- Economical and controlled fastening for low and middle duty sector

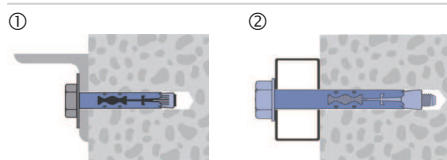
Building materials



Characteristics

- Sleeve Anchor with pre-assembled hexagon screw
- Small anchor and edge distances
- Controlled expansion
- Reliable distribution of force in the drilled hole
- User-friendly assembling

Applications



- Assembling of connecting constructions
- Assembling of metal profiles

Installation



- Drilling with depth gauge rod
- Clean the drill hole
- Position pre-drilled building materials, drive in the Sleeve Anchor
- Tighten the screw with a torque spanner to the predetermined value T_{inst}



MHA-S, MHA-B

| Anchor | | M6 | M8 | M10 | M12 | | | | | | | | | | | | | | | | | |
|-------------------|-----------------------------------|-----|-----|------|-----|----|----|----|----|----|-----|-----|----|-----|----|-----|-----|-----|----|-----|-----|-----|
| N _{Rec} | - Concrete C20/25 - C50/60 | 2 | 3 | 5 | 7.5 | | | | | | | | | | | | | | | | | |
| | - Solid brick | 1.5 | 1.8 | 3.2 | 4.8 | | | | | | | | | | | | | | | | | |
| | - Sandstone | 1.4 | 2 | 3.4 | 5.1 | | | | | | | | | | | | | | | | | |
| V _{Rec} | - Concrete C20/25 - C50/60 | 3.2 | 3.5 | 6 | 8.5 | | | | | | | | | | | | | | | | | |
| | - Solid brick | 1.9 | 2.8 | 3.8 | 5.4 | | | | | | | | | | | | | | | | | |
| | - Sandstone | | | | | | | | | | | | | | | | | | | | | |
| c | Nominal edge distance | 55 | 60 | 75 | 115 | | | | | | | | | | | | | | | | | |
| s | Nominal distance betw. anchors | 105 | 120 | 150 | 225 | | | | | | | | | | | | | | | | | |
| h _{min} | Min. thickness of foundation | 70 | 80 | 100 | 150 | | | | | | | | | | | | | | | | | |
| M _{Rec} | Bending moment steel strength 4.6 | 4.2 | 5.3 | 12.8 | 25 | | | | | | | | | | | | | | | | | |
| h _{ef} | Effective anchorage depth | 35 | 40 | 50 | 75 | | | | | | | | | | | | | | | | | |
| sw | Width across flats | 10 | 13 | 17 | 15 | 19 | | | | | | | | | | | | | | | | |
| T _{inst} | Tighten torque | 8 | 15 | 30 | 40 | | | | | | | | | | | | | | | | | |
| h ₀ | Drill hole depth | 55 | 60 | 70 | 95 | | | | | | | | | | | | | | | | | |
| d ₀ | Drill hole-Ø | 8 | 10 | 12 | 16 | | | | | | | | | | | | | | | | | |
| d _f | Clearance hole in fixture | 9 | 12 | 14 | 18 | | | | | | | | | | | | | | | | | |
| l | Anchor length | 45 | 60 | 40 | 65 | 60 | 80 | 50 | 75 | 95 | 125 | 145 | 70 | 100 | 75 | 100 | 130 | 150 | 65 | 110 | 145 | 170 |
| d _{nom} | Outside-Ø anchor | 8 | | 10 | | 12 | | 16 | | | | | | | | | | | | | | |
| t _{fix} | Assembling usable length | 5 | 15 | 5 | 25 | 15 | 25 | 5 | 30 | 50 | 80 | 100 | 15 | 35 | 15 | 40 | 70 | 90 | 5 | 25 | 60 | 85 |



MHA Sleeve Anchor

1) Without the influence of edge- and space distances / Safety factor 3