

Remedial wall tie mechanical VBS-M

The quick façade repair for two-leaf cavity walls



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Facing masonry



Repairing outer leaves

Applications

- VBS-M is especially suitable for applications where external thermal insulation composite systems (ETICS) have been previously installed.
- Retroerspective repair of facing masonry.

Advantages

- The approved fixing in stone and in joints from at least 50 mm facing masonry provides a high degree of flexibility and security.
- Use in joints and with a low anchorage depth of just 50 mm allows for a quick and economical installation.
- The small anchor rim and screw head

allow for a surface-flush or deep-set installation.

- The drill hole can be retrospectively sealed so that it is no longer visible in the façade.
- A drip coil prevents condensate running into the load-bearing layer, thus preventing frost and corrosive damage.

Certificates



Building materials

- Facing masonry with and without an air layer

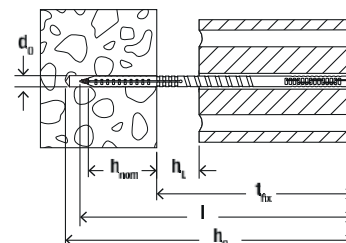
Versions

- Zinc-plated steel
- Stainless steel

Functioning

- The remedial wall tie VBS-M is set in the load-bearing layer and into facing masonry using push-through installation.
- In accordance with the approval, no drill hole cleaning is required.
- The two expansion zones in the load-bearing layer and in the facing masonry ensure a secure fixation.
- The plug doesn't fix into the facing masonry until the head grips into the load-bearing layer. This ensures the very best installation safety.

Installation VBS-M



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Technical data

Remedial wall tie mechanical VBS-M

VBS-M

| Item | Zinc-plated steel | Stainless steel | Approval | Max. shell distance at 115 mm facing masonry, flush installation | Max. shell distance at 115 mm facing masonry, 20 mm sunk installation | Facing masonry + cavity | Drill diameter | Drill hole depth | Effect. anchoring depth | Anchor length | Sales unit |
|---------------|-------------------|-----------------|----------|------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------|----------------|------------------|-------------------------|---------------|------------|
| | Item No. | Item No. | | [mm] | [mm] | t_{fix} [mm] | d_0 [mm] | h_0 [mm] | h_{nom} [mm] | l [mm] | [pcs] |
| VBS-M 8 x 120 | 514243 | 514236 | ● | 20* | — | 70 | 8 | 140 | >50 | 120 | 100 |
| VBS-M 8 x 185 | 514244 | 514237 | ● | 20 | 40 | 135 | 8 | 205 | >50 | 185 | 100 |
| VBS-M 8 x 205 | 514245 | 514238 | ● | 40 | 60 | 155 | 8 | 225 | >50 | 205 | 100 |
| VBS-M 8 x 225 | 514246 | 514239 | ● | 60 | 80 | 175 | 8 | 245 | >50 | 225 | 100 |
| VBS-M 8 x 245 | 514247 | 514240 | ● | 80 | 100 | 195 | 8 | 265 | >50 | 245 | 100 |
| VBS-M 8 x 265 | 514248 | 514241 | ● | 100 | 120 | 215 | 8 | 285 | >50 | 265 | 100 |
| VBS-M 8 x 285 | 514249 | 514242 | ● | 120 | 140 | 235 | 8 | 305 | >50 | 285 | 100 |

* Max. 20 mm mortar layer in the case of 50 mm thick economy facing.

Accessories

Drill bits

SDS Plus IV 8/100/400

Pointer M 8/100/400

 SDS Plus II Pointer
8/400/460

| Item | Item No. | Description | Sales unit [pcs] |
|-------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| SDS PLUS IV 8/100/400 | 517689 | fischer Quattric drill bit with SDS-plus shank and short flute for drilling in concrete | 1 |
| Pointer M 8/100/400 | 517690 | fischer masonry drill bit with SDS-plus shank and short flute, ground sharp, for rotary drilling in perforated brick and in the bed joint | 1 |
| SDS Plus-V II 8/400/460 | 531785 | fischer hammer drill bit for drilling in concrete and in the facing brick | 1 |

Accessories

ProfiBit



FPB TX

| | Item No. | Description | Sales unit [pcs] |
|-----------------------|----------|------------------------------------------------------------------------------------------------------------------|---------------------|
| Item | | | |
| FPB TX 25 ProfiBit W5 | 517693 | fischer ProfiBit long, which can be extended to 50 mm bit, allows for deep setting in stone and in the bed joint | 1 |