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### Mechanical anchor systems

#### Heavy duty anchors

<table>
<thead>
<tr>
<th>Application</th>
<th>Base material</th>
<th>Approval</th>
<th>Anchor type</th>
<th>Advantages</th>
<th>Drill bit diameter resp. anchor size</th>
<th>Specification</th>
<th>Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anchor fastenings for high loads, e.g. in steel construction and plant construction, suitable for dynamic loading</td>
<td>Steel, galvanised Steel, sheradised, hot dipped galvanised Stainless Steel A2 (1.4301) Stainless Steel A4 (1.4401) HCR Steel (1.4529)</td>
<td>l l l l l l</td>
<td>HDX/-TR/-TP/-PR/-PF undercut anchor</td>
<td>Automatic undercutting High load capacity Approved for dynamic loads</td>
<td>Drill bit dia.: 20-30 mm Anchor size: M10-M20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fastening heavy loads e.g. from columns, high racks, machines</td>
<td>l l l l l l</td>
<td></td>
<td>HSL-L heavy duty anchor</td>
<td>Integrated plastic section to telescope and pull down tightly Special elements The bolt can be retorqued</td>
<td>Drill bit dia.: 12-32 mm Anchor size: M8-M24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fastening heavy loads e.g. from columns, high racks, machines</td>
<td>l l l l l l</td>
<td></td>
<td>HSL/G/R heavy duty anchor</td>
<td>Integrated plastic section to telescope and pull down tightly Special elements The bolt can be retorqued</td>
<td>Drill bit dia.: 12-28 mm Anchor size: M8-M20</td>
<td></td>
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</tr>
</tbody>
</table>

#### Medium duty anchors

<table>
<thead>
<tr>
<th>Application</th>
<th>Base material</th>
<th>Approval</th>
<th>Anchor type</th>
<th>Advantages</th>
<th>Drill bit diameter resp. anchor size</th>
<th>Specification</th>
<th>Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety relevant fastening at facades and ceilings where short embedment depth is required</td>
<td>Steel, galvanised Steel, sheradised, hot dipped galvanised</td>
<td>l l l l l l</td>
<td>HSD/-TR/-TRR safety anchor</td>
<td>Automatic undercutting Small edge distances and spacings Small setting depth</td>
<td>Drill bit dia.: 14-24 mm Anchor size: M8-M12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fastening through in-place parts e.g. angles, tracks, channels wooden beams etc.</td>
<td></td>
<td></td>
<td>HST/-TR/HCR stud anchor</td>
<td>Quick and simple setting operation Setting mark Safety wedge sleeve for certain follow up expansion</td>
<td>Drill bit dia.: 8-24 mm Anchor size: M8-M24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fastening through in-place parts like wood beams, metal sections, columns, brackets etc.</td>
<td></td>
<td></td>
<td>HSA/-TR/-TRR stud anchor</td>
<td>Two setting depths Setting mark Extremely ductile steel for high bending capacity</td>
<td>Drill bit dia.: 8-20 mm Anchor size: M8-M20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temporary fastenings in concrete (e.g. for formwork), fastening in base-material of low density</td>
<td></td>
<td></td>
<td>HLC sleeve anchor</td>
<td>Short setting/removing operation Good load values in green concrete Bridging of gaps</td>
<td>Drill bit dia.: 8-16 mm Anchor size: M8-M12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fastening with threaded rods for pipe suspensions, air ducts, suspended ceilings</td>
<td></td>
<td></td>
<td>HKD push-in anchor</td>
<td>An “intelligent” expansion section which adapts to suit the base material Visual verification of full expansion Small setting depth</td>
<td>Drill bit dia.: 8-25 mm Anchor size: M8-M25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fastening channels, brackets, racks, seatings</td>
<td></td>
<td></td>
<td>HUS-3 screw anchor</td>
<td>Screw driven straight into base material without using an anchor Screw on washer Matched system of screw anchor and screwdriver</td>
<td>Drill bit dia.: 8-14 mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Light duty anchors

<table>
<thead>
<tr>
<th>Application</th>
<th>Base material</th>
<th>Approval</th>
<th>Anchor type</th>
<th>Advantages</th>
<th>Drill bit diameter resp. anchor size</th>
<th>Specification</th>
<th>Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Various applications</td>
<td></td>
<td></td>
<td>HUD-1 universal anchor</td>
<td>Fast setting Flexibility of screw length An anchor for every base material</td>
<td>5-14 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fastenings to weak materials with cavities</td>
<td></td>
<td></td>
<td>HUD-L universal anchor</td>
<td>6-10 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Securing support frames, timber frames, façade panels, curtain walling</td>
<td></td>
<td></td>
<td>HLD light duty anchor</td>
<td>Flexibility of screw length Resilient flagging action to suit every base material</td>
<td>Drill bit dia.: 10 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Securing support frames, timber frames, façade panels, curtain walling</td>
<td></td>
<td></td>
<td>HRD/-TRR/-TRR S frame anchor</td>
<td>Preassembled with screw Screw of steel 5.8 grade or stainless steel A4 (1.4401)</td>
<td>Drill bit dia.: 10 mm Drill bit dia.: 14 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fastening wood battens, components for electrical and plumbing installations</td>
<td></td>
<td></td>
<td>HPS-1 impact anchor</td>
<td>Quick setting with hammer 4-wings expansion</td>
<td>5.8 mm Thread: M8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 = very suitable  0 = may be suitable per application  1) redundant fastening
<table>
<thead>
<tr>
<th>Application</th>
<th>Base material</th>
<th>Approval</th>
<th>Anchor type</th>
<th>Advantages</th>
<th>Drill bit diameter resp. anchor size</th>
<th>Specification</th>
<th>Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light duty anchors</td>
<td></td>
<td></td>
<td>HUS screw anchor</td>
<td>Screw driven straight into base material without using an anchor</td>
<td>Drill bit dia.: 6/8 mm</td>
<td></td>
<td></td>
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<tr>
<td></td>
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<td>HMD-S cavity anchor</td>
<td>Controlled setting</td>
<td>Drill bit dia.: 8-12 mm</td>
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<td></td>
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<td></td>
<td>HSP/HRP drywall plug</td>
<td>Self-drilling tip</td>
<td>Drill bit dia.: 8 mm</td>
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<td></td>
<td>HA8 ring-hook anchor</td>
<td>Quick and easy setting</td>
<td>Drill bit dia.: 8 mm</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>HKH hollow deck anchor</td>
<td>Approval for single point fastenings</td>
<td>Drill bit dia.: 10-14mm</td>
<td>Thread: M8-M10</td>
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<tr>
<td></td>
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<td></td>
<td>HTW twin anchor</td>
<td>Approval for pre-stressed concrete hollow decks</td>
<td>Drill bit dia.: 13 mm</td>
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<tr>
<td>Light duty anchors (Insulation fasteners)</td>
<td></td>
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<td>IDP insulation anchor</td>
<td>One-piece element</td>
<td>Drill bit dia.: 8 mm</td>
<td>Insulating material thickness: 10-150 mm</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>IZ expandable insulation fastener</td>
<td>Corrosion resistant</td>
<td>Drill bit dia.: 8 mm</td>
<td>Insulating material thickness up to 160 mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>IN insulation fastener</td>
<td>Quick and easy setting</td>
<td>Drill bit dia.: 8 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>IDMS/IDMR metal insulation fastener</td>
<td>Quick and safe</td>
<td>Drill bit dia.: 8 mm</td>
<td>Insulating material thickness: up to 120 mm</td>
<td></td>
</tr>
<tr>
<td>Adhesive anchor systems</td>
<td></td>
<td></td>
<td>HVZ adhesive anchor</td>
<td>No-expansion pressure</td>
<td>M10-M20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heavy duty anchors</td>
<td></td>
<td></td>
<td>Hilt-TZ injection adhesive anchor</td>
<td>Easy setting</td>
<td>M8-M20</td>
<td></td>
<td></td>
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</table>

I = very suitable  O = may be suitable per application  1 = redundant fastening
<table>
<thead>
<tr>
<th>Application</th>
<th>Base material</th>
<th>Approval</th>
<th>Anchor type diameter</th>
<th>Advantages</th>
<th>Drill bit resp. anchor size</th>
<th>Specification</th>
<th>Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Heavy duty anchors</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heavy duty fastenng with small spacings and edge distances</td>
<td></td>
<td>l</td>
<td>M8-M39</td>
<td>No expansion pressure, Small edge distances and spacings, A strong and flexible foil capsule</td>
<td>HAS/HAS-R M8-M39</td>
<td>HCR Steel (1.4529)</td>
<td>Pre-setting</td>
</tr>
<tr>
<td>Adhesive anchor for uncracked concrete</td>
<td></td>
<td>l</td>
<td>HIT-RE 500</td>
<td>No expansion pressure, Flexibility in terms of drill bit diameter and annular gap, Flexibility in terms of working time</td>
<td>HAS/HAS-R M8-M20</td>
<td>HCR Steel (1.4529)</td>
<td>Pre-setting</td>
</tr>
<tr>
<td><strong>Medium duty anchors</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adhesive anchor for cracked / uncracked concrete</td>
<td></td>
<td>l</td>
<td>HIT-HY 200</td>
<td>No expansion pressure, No styrene content, Environmental protection due to the minimized packaging</td>
<td>HAS/HAS-R M8-M24</td>
<td>HCR Steel (1.4529)</td>
<td>Pre-setting</td>
</tr>
<tr>
<td>Adhesive anchor for hollow/solid brick masonry</td>
<td></td>
<td>l</td>
<td>HIT-HY 70 HIT-SC sleeve</td>
<td>Optimal keying hold, No styrene content, Environmental protection due to the minimized packaging</td>
<td>HAS M6-M16 HIT-AN M8-M12</td>
<td>HCR Steel (1.4529)</td>
<td>Pre-setting</td>
</tr>
<tr>
<td><strong>Light duty anchors</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Universal adhesive anchor</td>
<td></td>
<td>l</td>
<td>HIT-MM Plus</td>
<td>Fast curing, No styrene content, Environmental protection due to the minimized packaging</td>
<td>HAS M6-M12 HT-A</td>
<td>HCR Steel (1.4529)</td>
<td>Pre-setting</td>
</tr>
<tr>
<td>Universal adhesive anchor</td>
<td></td>
<td>l</td>
<td>HPX</td>
<td>Fast curing, No styrene content, No special dispenser required</td>
<td>HAS M6-M12 HT-A</td>
<td>HCR Steel (1.4529)</td>
<td>Pre-setting</td>
</tr>
<tr>
<td><strong>Special anchors</strong></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Track fixing</td>
<td></td>
<td>l</td>
<td>HRA/HRC/HRT rail anchor</td>
<td>EBA approval, Serviceability tests done by the University of Munich, Complete-support system</td>
<td>HRT M22 dia. 26 HPC M22 dia. 22 HRA M22 dia. 22</td>
<td>HCR Steel (1.4529)</td>
<td>Pre-setting</td>
</tr>
</tbody>
</table>

* l = very suitable  o = may be suitable per application
### Foil capsule adhesive anchor HVU

#### Technical data
- **Base material condition:** Dry, Wet
- **Environmental conditions:** Covered by ground soil, Highly corrosive special applications, Indoor, damp conditions, Indoor, dry conditions, Indoor, ventilated facades, Outdoor
- **Type of fastening:** Pre-fastening
- **Material composition:** Hybrid urethane meth-acrylate adhesive
- **Installation direction:** All
- **Storage and transportation temperature - max.:** 25 °C

#### Approvals
- **ETA:** ETA 05/0235 for HVU adhesive capsules (ETAG 001-05, Option 7)

#### Key applications & advantages
- Anchoring structural steel connections (e.g. steel columns, beams, etc.)
- Anchoring in road and tunnel applications (crash and noise barriers, overhead catenary systems)
- Flexible foil capsule instead of glass: A robust solution for real jobsite conditions
- One system for many applications thanks to a wide range of adhesive capsules, anchor rods and internally threaded sleeves in various diameters and lengths

#### Ordering designation

<table>
<thead>
<tr>
<th>Element</th>
<th>Size</th>
<th>Thread length</th>
<th>Type of fastening</th>
<th>Pre-fastening</th>
<th>Material composition</th>
<th>Installation direction</th>
<th>Storage and transportation temperature - max.</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>HVU M8x80</td>
<td>18 months</td>
<td>80 mm</td>
<td>1x Adhesive capsule HVU M8x80 ZWST</td>
<td>10 pc</td>
<td>Hybrid urethane meth-acrylate adhesive</td>
<td>All</td>
<td>25 °C</td>
<td></td>
</tr>
<tr>
<td>HVU M10x90</td>
<td>18 months</td>
<td>90 mm</td>
<td>1x Adhesive capsule HVU M10x90 ZWST</td>
<td>10 pc</td>
<td>Hybrid urethane meth-acrylate adhesive</td>
<td>All</td>
<td>25 °C</td>
<td></td>
</tr>
<tr>
<td>HVU M12x110</td>
<td>18 months</td>
<td>110 mm</td>
<td>1x Adhesive capsule HVU M12x110 ZWST</td>
<td>10 pc</td>
<td>Hybrid urethane meth-acrylate adhesive</td>
<td>All</td>
<td>25 °C</td>
<td></td>
</tr>
<tr>
<td>HVU M16x125</td>
<td>18 months</td>
<td>125 mm</td>
<td>1x Adhesive capsule HVU M16x125 ZWST</td>
<td>10 pc</td>
<td>Hybrid urethane meth-acrylate adhesive</td>
<td>All</td>
<td>25 °C</td>
<td></td>
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<tr>
<td>HVU M20x170 BULK</td>
<td>18 months</td>
<td>170 mm</td>
<td>1x Adhesive capsule HVU M20x170 ZWST</td>
<td>15 pc</td>
<td>Hybrid urethane meth-acrylate adhesive</td>
<td>All</td>
<td>25 °C</td>
<td></td>
</tr>
<tr>
<td>HVU M25x175</td>
<td>18 months</td>
<td>175 mm</td>
<td>1x Adhesive capsule HVU M25x175 ZWST</td>
<td>5 pc</td>
<td>Hybrid urethane meth-acrylate adhesive</td>
<td>All</td>
<td>25 °C</td>
<td></td>
</tr>
<tr>
<td>HVU M30x210</td>
<td>18 months</td>
<td>210 mm</td>
<td>1x Adhesive capsule HVU M30x210 ZWST</td>
<td>5 pc</td>
<td>Hybrid urethane meth-acrylate adhesive</td>
<td>All</td>
<td>25 °C</td>
<td></td>
</tr>
<tr>
<td>HVU M35x240</td>
<td>18 months</td>
<td>240 mm</td>
<td>1x Adhesive capsule HVU M35x240 ZWST</td>
<td>4 pc</td>
<td>Hybrid urethane meth-acrylate adhesive</td>
<td>All</td>
<td>25 °C</td>
<td></td>
</tr>
<tr>
<td>HVU M40x270</td>
<td>18 months</td>
<td>270 mm</td>
<td>1x Adhesive capsule HVU M40x270 ZWST</td>
<td>4 pc</td>
<td>Hybrid urethane meth-acrylate adhesive</td>
<td>All</td>
<td>25 °C</td>
<td></td>
</tr>
<tr>
<td>HVU M50x300</td>
<td>18 months</td>
<td>300 mm</td>
<td>1x Adhesive capsule HVU M50x300 ZWST</td>
<td>4 pc</td>
<td>Hybrid urethane meth-acrylate adhesive</td>
<td>All</td>
<td>25 °C</td>
<td></td>
</tr>
<tr>
<td>HVU M60x360</td>
<td>18 months</td>
<td>360 mm</td>
<td>1x Adhesive capsule HVU M60x360 ZWST</td>
<td>2 pc</td>
<td>Hybrid urethane meth-acrylate adhesive</td>
<td>All</td>
<td>25 °C</td>
<td></td>
</tr>
</tbody>
</table>

### Adhesive anchor system HVU-TZ

#### Technical data
- **Base material condition:** Dry, Wet
- **Environmental conditions:** Covered by ground soil, Highly corrosive special applications, Indoor, damp conditions, Indoor, dry conditions, Indoor, ventilated facades, Outdoor
- **Type of fastening:** Pre-fastening
- **Material composition:** Hybrid urethane meth-acrylate adhesive
- **Installation direction:** All
- **Storage and transportation temperature - max.:** 25 °C

#### Approvals
- **ETA:** ETA 03/0032 for HVU adhesive anchor system (ETAG 001-05, Option 7)

#### Key applications & advantages
- Heavy-duty fastenings in cracked concrete and for dynamic loading (steel structures, machinery, crash barriers and noise barriers, curtain wall facades, railings)
- For safety-relevant fastenings
- Dynamic loads
- Suitable for use in cracked concrete
- Suitable for dynamic loading subject to fatigue, shock, and seismic activity

#### Ordering designation

<table>
<thead>
<tr>
<th>Designation</th>
<th>Size</th>
<th>Thread length</th>
<th>Type of fastening</th>
<th>Pre-fastening</th>
<th>Material composition</th>
<th>Installation direction</th>
<th>Storage and transportation temperature - max.</th>
<th>Technical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>HVU-TZ M10</td>
<td>18 months</td>
<td>75 mm</td>
<td>1x Adhesive capsule HVU-TZ M10 ZWST</td>
<td>10 pc</td>
<td>Hybrid urethane meth-acrylate adhesive</td>
<td>All</td>
<td>25 °C</td>
<td></td>
</tr>
<tr>
<td>HVU-TZ M20</td>
<td>18 months</td>
<td>170 mm</td>
<td>1x Adhesive capsule HVU-TZ M20 ZWST</td>
<td>4 pc</td>
<td>Hybrid urethane meth-acrylate adhesive</td>
<td>All</td>
<td>25 °C</td>
<td></td>
</tr>
</tbody>
</table>
One giant leap.
The Hilti HIT-HY 200 system.

Light years ahead.
Set anchor rods and rebars without cleaning the holes.

The new Hilti HIT-HY 200 injectable adhesive mortar Safe SET-system makes your dreams come true. You can now set anchor rods or make post-installed rebar connections using injectable adhesive mortar without having to clean the holes.

Hilti now offers an ingenious system that either removes the drilling dust through a hollow drill bit while drilling is in progress or, when HIT-Z anchor rods are used, makes hole cleaning completely unnecessary. This not only speeds up the job and thus saves valuable time, it also gives you a decisive extra safety margin.

Find out more at:
www.hilti.com/HY200

Optimal for post-installed rebar connections.
Holes that clean themselves.

Hilti TE-CD and TE-YD hollow drill bits make subsequent hole cleaning completely unnecessary. Dust is removed by the vacuum system while drilling is in progress. You therefore also benefit from faster drilling and a virtually dustless working environment. This drilling system makes rebar installation extremely reliable and is ideal for large-scale, repetitive use.

For anchor rods.
No cleaning required.

Thanks to the special design of Hilti HIT-Z anchor rods, you’re always on the safe side – even in water-saturated and uncleared holes. The unique shape of the anchor rod makes hole cleaning completely unnecessary.
**Anchor Systems**

**Injectable mortar Hilti HIT-RE 500 SOO**

**Technical data**
- **Base material condition**: Dry, Submerged, Water, Wet
- **Environmental conditions**: High performance and technical superiority over other products
- **Type of fastening**: Pre-fastening, Through-fastening
- **Cleaning procedures**: Compressed air cleaning
- **Material composition**: Epoxy adhesive
- **Installation direction**: All

**Key applications & advantages**
- Structural connections with post-installed rebar (e.g. extension/connection to walls, slabs, stairs, columns, foundations, etc.)
- Anchoring structural steel connections (e.g. steel columns, beams, etc.)
- Anchoring secondary steel structures (e.g. balustrades, steel ledgers, etc.)
- Suitable for use in cracked and uncracked concrete with all anchoring elements
- Seismic approval allows use for seismic applications

**Ordering designation**

<table>
<thead>
<tr>
<th>HIT-RE 500 SOO</th>
<th>Package contents</th>
<th>Sales pack</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>M01 12 months</td>
<td>1 pc</td>
<td>387090</td>
<td></td>
</tr>
<tr>
<td>M02 12 months</td>
<td>1 pc</td>
<td>387092</td>
<td></td>
</tr>
</tbody>
</table>

**Approvals**
- EWA 02/020 HIT-RE 500 SOO injection mortar for anchoring applications (ETAG 001-05, Option 3)

**Key applications & advantages**
- Fastenings in cracked and uncracked concrete made with Hilti HY200
- For applications where shallow embedment is needed
- Very high loads in cracked concrete
- Very productive solution that saves cleaning time

**Environmental conditions**
- Indoor, ventilated conditions
- Outdoor, Underwater, Submerged, Water direction
- High humidity, 23°C and 50% relative humidity

**Technical data**
- Off-the-shelf rods
- Head configuration: Steel, A4 (SS316)
- Approvals & test reports: DDA, ETA
- Installation direction: All
- Tested/approved for diamond drilling: Yes
- PROFS: Yes
- Material, corrosion: Stainless steel

**Ordering designation**

<table>
<thead>
<tr>
<th>Anchor rod (stainless metric) Hilti HIT-Z-R</th>
<th>Package contents</th>
<th>Sales pack</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIT-Z-R Mn10</td>
<td>1 pc</td>
<td>2018431</td>
<td></td>
</tr>
<tr>
<td>HIT-Z-R Mn12</td>
<td>1 pc</td>
<td>2018434</td>
<td></td>
</tr>
<tr>
<td>HIT-Z-R Mn16</td>
<td>1 pc</td>
<td>2018437</td>
<td></td>
</tr>
</tbody>
</table>

**Ordering designation**

<table>
<thead>
<tr>
<th>HIT-Z-R</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mn10</td>
<td>2018422</td>
</tr>
<tr>
<td>Mn12</td>
<td>2018425</td>
</tr>
<tr>
<td>Mn16</td>
<td>2018428</td>
</tr>
<tr>
<td>Mn18</td>
<td>2018430</td>
</tr>
<tr>
<td>Mn20</td>
<td>2018431</td>
</tr>
<tr>
<td>Mn24</td>
<td>2018434</td>
</tr>
<tr>
<td>Mn28</td>
<td>2018435</td>
</tr>
</tbody>
</table>

**Technical data**
- Slow-cure injection system HIT-RE 500-SD
- High performance and technical superiiority as per international approvals
- Especially suitable for large-diameter elements and/or deep embedment depths

**Key applications & advantages**
- Anchoring secondary steel structures (e.g. balustrades, steel ledgers, etc.)
- High performance and technical superiiority as per international approvals

**Ordering designation**

<table>
<thead>
<tr>
<th>HIT-RE 500-SD/500/1</th>
<th>Package contents</th>
<th>Sales pack</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>M01 9 months</td>
<td>1 pc</td>
<td>387090</td>
<td></td>
</tr>
<tr>
<td>M02 12 months</td>
<td>1 pc</td>
<td>387092</td>
<td></td>
</tr>
</tbody>
</table>

**Approvals**
- EWA 02/020 HIT-RE 500-SD injection mortar for anchoring applications (ETAG 001-05, Option 1)

**Key applications & advantages**
- Anchoring secondary steel structures (e.g. balustrades, steel ledgers, etc.)
- Anchoring structural steel connections (e.g. steel columns, beams, etc.)
- Anchoring structural steel connections (e.g. steel columns, beams, etc.)
- Anchoring secondary steel structures (e.g. balustrades, steel ledgers, etc.)
- Suitable for use in cracked and uncracked concrete with all anchoring elements

**Environmental conditions**
- Covered by ground soil, Outdoor, Underwater, Fresh water
- High performance and technical superiiority as per international approvals

**Ordering designation**

<table>
<thead>
<tr>
<th>HIT-Z-R</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mn10</td>
<td>2018422</td>
</tr>
<tr>
<td>Mn12</td>
<td>2018425</td>
</tr>
<tr>
<td>Mn16</td>
<td>2018428</td>
</tr>
<tr>
<td>Mn18</td>
<td>2018430</td>
</tr>
<tr>
<td>Mn20</td>
<td>2018431</td>
</tr>
<tr>
<td>Mn24</td>
<td>2018434</td>
</tr>
<tr>
<td>Mn28</td>
<td>2018435</td>
</tr>
</tbody>
</table>

**Approvals & test reports**
- DDA, ETA
- Installation direction: All
- Tested/approved for diamond drilling: Yes
- PROFS: Yes
- Material, corrosion: Stainless steel
**Technical data**

- **Anchor type**: Off-the-shelf anchor
- **Anchor type**: Hit-Z M20x250
- **Anchor type**: Hit-Z M16x205
- **Anchor type**: Hit-Z M16x155
- **Anchor type**: Hit-Z M12x105
- **Anchor type**: Hit-Z M10x95
- **Anchor type**: Hit-Z M8x80

**Designation**

- **Material composition**: Steel, zinc-plated
- **Installation direction**: All

**Approvals**

- **ES and ETA C2 approvals**
- **Material, corrosion resistance**: Steel, zinc-plated

**Material, corrosion resistance**

- **Anchor rod HIT-Z**
- **Anchor rod M20 22 mm 22 mm 24 mm 150 Nm 30 mm 250 mm 1x Anchor rod HIT-Z**
- **Anchor rod M12 14 mm 14 mm 16 mm 40 Nm 19 mm 196 mm 1x Anchor rod HIT-Z**
- **Anchor rod M12 14 mm 14 mm 16 mm 40 Nm 19 mm 105 mm 1x Anchor rod HIT-Z**
- **Anchor rod M10 12 mm 12 mm 14 mm 25 Nm 17 mm 95 mm 1x Anchor rod HIT-Z**
- **Anchor rod M8 8 mm 8 mm 10 mm 10 Nm 6 mm 60 mm 1x Anchor rod HIT-Z**

**Ordering information**

- **Material, corrosion resistance**: Steel, zinc-plated
- **Installation direction**: All

---

**Anchor rod (carbon steel) HIT-Z**

**Technical data**

- **Anchor type**: Off-the-shelf anchor
- **Anchor type**: Hit-Z M20x250
- **Anchor type**: Hit-Z M16x205
- **Anchor type**: Hit-Z M16x155
- **Anchor type**: Hit-Z M12x105
- **Anchor type**: Hit-Z M10x95
- **Anchor type**: Hit-Z M8x80

**Designation**

- **Material composition**: Steel, zinc-plated
- **Installation direction**: All

**Approvals**

- **ES and ETA C2 approvals**
- **Material, corrosion resistance**: Steel, zinc-plated

**Material, corrosion resistance**

- **Anchor rod HIT-Z**
- **Anchor rod M20 22 mm 22 mm 24 mm 150 Nm 30 mm 250 mm 1x Anchor rod HIT-Z**
- **Anchor rod M12 14 mm 14 mm 16 mm 40 Nm 19 mm 196 mm 1x Anchor rod HIT-Z**
- **Anchor rod M12 14 mm 14 mm 16 mm 40 Nm 19 mm 105 mm 1x Anchor rod HIT-Z**
- **Anchor rod M10 12 mm 12 mm 14 mm 25 Nm 17 mm 95 mm 1x Anchor rod HIT-Z**
- **Anchor rod M8 8 mm 8 mm 10 mm 10 Nm 6 mm 60 mm 1x Anchor rod HIT-Z**

**Ordering information**

- **Material, corrosion resistance**: Steel, zinc-plated
- **Installation direction**: All

---

**Anchor rod HIT-Z**

**Technical data**

- **Anchor type**: Off-the-shelf anchor
- **Anchor type**: Hit-Z M20x250
- **Anchor type**: Hit-Z M16x205
- **Anchor type**: Hit-Z M16x155
- **Anchor type**: Hit-Z M12x105
- **Anchor type**: Hit-Z M10x95
- **Anchor type**: Hit-Z M8x80

**Designation**

- **Material composition**: Steel, zinc-plated
- **Installation direction**: All

**Approvals**

- **ES and ETA C2 approvals**
- **Material, corrosion resistance**: Steel, zinc-plated

**Material, corrosion resistance**

- **Anchor rod HIT-Z**
- **Anchor rod M20 22 mm 22 mm 24 mm 150 Nm 30 mm 250 mm 1x Anchor rod HIT-Z**
- **Anchor rod M12 14 mm 14 mm 16 mm 40 Nm 19 mm 196 mm 1x Anchor rod HIT-Z**
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- **Anchor rod M10 12 mm 12 mm 14 mm 25 Nm 17 mm 95 mm 1x Anchor rod HIT-Z**
- **Anchor rod M8 8 mm 8 mm 10 mm 10 Nm 6 mm 60 mm 1x Anchor rod HIT-Z**

**Ordering information**

- **Material, corrosion resistance**: Steel, zinc-plated
- **Installation direction**: All
### Technical data
**Dispenser, setting tool, accessory, tester type:** Dispensers
**Battery type:** 22 V
**Dispenser type:** Battery
**Power source type:** Compact B22/1.6 or B22/3.3 battery

### Key applications & advantages
- Injection of Hilti HIT adhesive mortar for fastening anchor rods and rebars in concrete and masonry
- Serial fastenings and/or injection in deep holes
- No need for external power source supply
- Easy injection even at low temperatures
- Dose adjustment knob for accurate and controlled dispensing

---

### CPC

#### Dispenser HDE 500-A22

- **Ordering designation:** HDE 500-A22 CR/CB cas
- **Weight:** 2.2 kg
- **Package contents:** 1x Dispenser HDE 500-A22 EU assy, 1x Cassette 500ml black, 1x Cassette 500ml red, 1x Case
- **Sales pack:** 1 pc
- **Item number:** 2005637

---

### Technical data

**Connection end:** TE-C
**Base material:** Reinforced concrete, Concrete
**Tool type:** All tools with TE-C (SDS-plus) chuck

### Key applications & advantages
- Drifting holes for anchoring structural steel connections (e.g. steel columns, beams)
- Drifting holes for structural connections with post-installed rebars
- Drifting holes for anchoring secondary steel structures (e.g. staircases, steel ladders)
- Drifting and hole cleaning in one step
- Optimum hole cleaning for consistent anchor setting

<table>
<thead>
<tr>
<th>Ordering designation</th>
<th>Connection end</th>
<th>Diameter</th>
<th>Length</th>
<th>Working length</th>
<th>Base material</th>
<th>Tool type</th>
<th>Working mode</th>
<th>Sales pack quantity</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>TE-CD 12/13</td>
<td>TE-C</td>
<td>12 mm</td>
<td>330 mm</td>
<td>200 mm</td>
<td>Reinforced concrete, Concrete</td>
<td>All tools with TE-C (SDS-plus) chuck</td>
<td>Hammer drilling</td>
<td>1 pc</td>
<td>2018940</td>
</tr>
<tr>
<td>TE-CD 14/17</td>
<td>TE-C</td>
<td>14 mm</td>
<td>370 mm</td>
<td>240 mm</td>
<td>Reinforced concrete, Concrete</td>
<td>All tools with TE-C (SDS-plus) chuck</td>
<td>Hammer drilling</td>
<td>1 pc</td>
<td>2018942</td>
</tr>
<tr>
<td>TE-CD 16/17</td>
<td>TE-C</td>
<td>16 mm</td>
<td>370 mm</td>
<td>240 mm</td>
<td>Reinforced concrete, Concrete</td>
<td>All tools with TE-C (SDS-plus) chuck</td>
<td>Hammer drilling</td>
<td>1 pc</td>
<td>2018944</td>
</tr>
<tr>
<td>TE-CD 18/17</td>
<td>TE-C</td>
<td>18 mm</td>
<td>370 mm</td>
<td>240 mm</td>
<td>Reinforced concrete, Concrete</td>
<td>All tools with TE-C (SDS-plus) chuck</td>
<td>Hammer drilling</td>
<td>1 pc</td>
<td>2018946</td>
</tr>
</tbody>
</table>

---

### Technical data

**Connection end:** TE-Y
**Base material:** Reinforced concrete, Concrete
**Tool type:** All tools with TE-Y (SDS-max) connection

### Key applications & advantages
- Drifting holes for anchoring structural steel connections (e.g. steel columns, beams)
- Drifting holes for structural connections with post-installed rebars
- Drifting holes for anchoring secondary steel structures (e.g. staircases, steel ladders)
- Drifting and hole cleaning in one step
- Optimum hole cleaning for consistent anchor setting

<table>
<thead>
<tr>
<th>Ordering designation</th>
<th>Connection end</th>
<th>Diameter</th>
<th>Length</th>
<th>Working length</th>
<th>Base material</th>
<th>Tool type</th>
<th>Working mode</th>
<th>Sales pack quantity</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>TE-YD 18/59</td>
<td>TE-Y</td>
<td>18 mm</td>
<td>580 mm</td>
<td>400 mm</td>
<td>Reinforced concrete, Concrete</td>
<td>All tools with TE-Y (SDS-max) connection</td>
<td>Hammer drilling</td>
<td>1 pc</td>
<td>2018957</td>
</tr>
<tr>
<td>TE-YD 20/59</td>
<td>TE-Y</td>
<td>20 mm</td>
<td>580 mm</td>
<td>400 mm</td>
<td>Reinforced concrete, Concrete</td>
<td>All tools with TE-Y (SDS-max) connection</td>
<td>Hammer drilling</td>
<td>1 pc</td>
<td>2018959</td>
</tr>
<tr>
<td>TE-YD 25/59</td>
<td>TE-Y</td>
<td>25 mm</td>
<td>580 mm</td>
<td>400 mm</td>
<td>Reinforced concrete, Concrete</td>
<td>All tools with TE-Y (SDS-max) connection</td>
<td>Hammer drilling</td>
<td>1 pc</td>
<td>2018962</td>
</tr>
</tbody>
</table>
**Injectable mortar HIT-MM PLUS**

**Technical data**
- **Base material condition**: Dry, Wet
- **Type of fastening**: Pre-fastening
- **Cleaning procedures**: Manual cleaning
- **Material composition**: Hybrid urethane meth-acrylate adhesive

**Key applications & advantages**
- Wide range of fastening applications in the medium load range in hollow block (with plastic sleeves), solid block and concrete where no approval is required
- Fence and railing posts, gates, window grills, non-structural rebars, wall cabinets, bathroom fittings, air conditioning systems, lights
- Surface treatment
- Easy dispensing thanks to well-proven systems, lights, nets, bathroom fittings, air conditioning systems, lights, cars and caulking guns
- Unique soft foil pack for less waste

**Ordering designation**
- **COMBO 5x HIT-MMP-330 + HDM500 Dispenser**
  - Shelf life: 12 months
  - Content per can/cartridge: 0.33 l
  - Compatibility sleeves: HIT-SC or HIT-IC
  - Number of mixers included: Yes
  - Package contents: 1x Dispenser HDM 500 assy, 2x Mixer, 1x Mixer extension, 1x Cassettes 500 ml black

**Ordering information**
- **Item number**: 2031400
- **Content per can/cartridge**: 0.33 l
- **Compatibility sleeves**: HIT-SC or HIT-IC
- **Number of mixers included**: Yes
- **Package contents**: 1x Foil pack, 2x Mixer, 1x Mixer extension
- **Sales pack quantity**: 1 pc

**Injectable mortar HFX**

**Technical data**
- **Base material condition**: Dry, Wet
- **Type of fastening**: Pre-fastening
- **Cleaning procedures**: Manual cleaning
- **Material composition**: Hybrid urethane meth-acrylate adhesive

**Key applications & advantages**
- Suitable for universal use in hollow block (with plastic sleeves), solid block, uncracked concrete and some natural stone
- Fence and railing posts, gates, window grills, wall cabinets, bathroom fittings, air conditioning systems, lights
- Fast curing – achieves a secure hold in a short time
- Cartridges fit all standard dispensers and caulking guns

**Ordering designation**
- **HFX 275/2/Asia**
  - Shelf life: 9 months
  - Content per can/cartridge: 0.275 l

**Ordering information**
- **Item number**: 284265
- **Content per can/cartridge**: 0.275 l
- **Compatibility sleeves**: HIT-SC, HIT-IC
- **Mixer extension included**: No
- **Package contents**: 1x Cartridge, 2x Mixer
- **Sales pack quantity**: 1 pc

**Injectable mortar HIT-HY 70**

**Technical data**
- **Base material condition**: Dry, Wet
- **Environmental conditions**: Indoor, damp conditions, Indoor, dry conditions, Indoor, ventilated facades, Outdoor
- **Type of fastening**: Pre-fastening
- **Cleaning procedures**: Compressed-air cleaning, Manual cleaning
- **Material composition**: Hybrid urethane meth-acrylate adhesive
- **Installation direction**: All

**Key applications & advantages**
- Applications in hollow and solid masonry
- Suitable for glass structures
- For heavy bracing on insulated materials in applications such as the installation of sunshades
- Provides strong, reliable and easy-to-install fastenings in a variety of masonry materials
- For use in indoor and outdoor applications in dry or wet drilled holes

**Ordering designation**
- **HIT-HY 70 330/2**
  - Shelf life: 12 months
  - Content per can/cartridge: 0.33 l

**Ordering information**
- **Item number**: 383877
- **Content per can/cartridge**: 0.33 l
- **Compatibility sleeves**: HIT-SC, HIT-IC
- **Mixer extension included**: Yes
- **Number of mixers included**: 2
- **Package contents**: 1x Foil pack, 2x Mixer, 1x Mixer extension
- **Sales pack quantity**: 1 pc
### Pneumatic dispenser P 8000 D

<table>
<thead>
<tr>
<th>Technical data</th>
<th>Dispenser, setting tool, accessory, washer type</th>
<th>Dispersers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dispenser type</strong></td>
<td>Pneumatic</td>
<td></td>
</tr>
<tr>
<td><strong>Optimal air flow rate</strong></td>
<td>250 l/min</td>
<td></td>
</tr>
<tr>
<td><strong>Power source type</strong></td>
<td>Compressed air</td>
<td></td>
</tr>
</tbody>
</table>

**Key applications & advantages**
- Injection of Hilti HIT adhesive mortar for fastening anchor rods and rebar in concrete and masonry
- For use with 1400 ml Hilti HIT foil packs
- Dispensing system for accurate hole filling
- Robust dispensers for tough jobsite conditions

**Ordering designation**
- P 8000 D
  - Weight: 6.2 kg
  - 1x Dispenser P 8000 D assy, 1x Cassette VIC printed, 1x Carrying device P 8000 D

**Technical data**
- **Power source type**: Pneumatic
- **Dispenser type**: Dispenser
- **Tool, accessory, tooling**: Dispenser, setting tool, washer

**Sales pack quantity**
- 1 pc

**Item number**
- 373959

---

### Anchor rod HAS-E-F

<table>
<thead>
<tr>
<th>Anchor rod HAS-E-F</th>
<th>Technical data</th>
<th>Anchor type</th>
<th>Off-the-shelf rods</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Anchor rod HAS-E</strong></td>
<td>Head configuration</td>
<td>Externally threaded</td>
<td></td>
</tr>
<tr>
<td><strong>Anchor rod HAS-E-F</strong></td>
<td>Environmental conditions</td>
<td>Indoor, damp conditions</td>
<td>Indoor, dry conditions</td>
</tr>
<tr>
<td><strong>Type of fastening</strong></td>
<td>PROFIS</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Material composition</strong></td>
<td>Steel, 5.8 grade, zinc-plated</td>
<td>Steel,.zinc-plated (min. 5 µm)</td>
<td></td>
</tr>
</tbody>
</table>

**Technical data**
- **Anchor type**: Off-the-shelf rods
- **Head configuration**: Externally threaded
- **Environmental conditions**: Indoor, dry conditions
- **Type of fastening**: PROFIS
- **Material composition**: Steel, 5.8 grade, zinc-plated (min. 5 µm)

**In-service temperature - min.**: -40 °C

### Anchor rod HAS-E-E

<table>
<thead>
<tr>
<th>Anchor rod HAS-E-E</th>
<th>Technical data</th>
<th>Anchor type</th>
<th>Off-the-shelf rods</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Anchor rod HAS-E</strong></td>
<td>Head configuration</td>
<td>Externally threaded</td>
<td></td>
</tr>
<tr>
<td><strong>Anchor rod HAS-E-E-F</strong></td>
<td>Environmental conditions</td>
<td>Indoor, damp conditions</td>
<td>Indoor, dry conditions</td>
</tr>
<tr>
<td><strong>Type of fastening</strong></td>
<td>PROFIS</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Material composition</strong></td>
<td>Steel, 5.8 grade, hot-dip galvanized</td>
<td>Steel, sherardised / hot-dip galvanized (min. 43 µm)</td>
<td></td>
</tr>
</tbody>
</table>

**Technical data**
- **Anchor type**: Off-the-shelf rods
- **Head configuration**: Externally threaded
- **Environmental conditions**: Indoor, dry conditions
- **Type of fastening**: PROFIS
- **Material composition**: Steel, 5.8 grade, hot-dip galvanized (min. 43 µm)

**In-service temperature - min.**: -40 °C

## Anchor Systems

- **Approvals**
  - ETA 04/027 for HIT-RE 500 injection mortar for anchoring applications (ETAG 001-05, Option 7)
  - ETA 09/0265 for HIT-HY 70 injection mortar for anchoring applications in concrete (ETAG 001-05, Option 7)

## Anchor Systems Contents Page
### Anchor rod HAS-E-R

**Technical data**

- **Anchor type**: Off-the-shelf rods
- **Head configuration**: Externally threaded
- **Environmental conditions**: Covered by ground soil, Outdoor, Underwater, fresh water
- **Type of fastening**: Pre-fastening
- **Material composition**: Steel, A4 (SS316)
- **Installation direction**: All
- **PROFIS**: Yes
- **Material, corrosion**: Steel, stainless
- **In-service temperature**: -40 °C

**Key applications & advantages**

- Incorporates a chisel-shaped end to cut and mix the Hilti HVU capsule, embedment marking for easy setting, and a conical head (M8-M24 only)
- Large family of anchor rods (M8-M39)

**Ordering designation**

<table>
<thead>
<tr>
<th>Anchor size</th>
<th>Base plate clearance hole</th>
<th>Wrench size</th>
<th>Anchor length</th>
<th>Standard embedment depth</th>
<th>Max. fixture thickness at standard embedment depth</th>
<th>Drilling depth</th>
<th>Package contents</th>
<th>Sales pack quantity</th>
<th>Item number</th>
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<td>9 mm</td>
<td>13 mm</td>
<td>110 mm</td>
<td>80 mm</td>
<td>14 mm</td>
<td>80 mm</td>
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<td>M10</td>
<td>12 mm</td>
<td>17 mm</td>
<td>130 mm</td>
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<td>M12</td>
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<td>110 mm</td>
<td>28 mm</td>
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<td>M14</td>
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<td>M24</td>
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<td>170 mm</td>
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### Anchor rod HAS-TZ

**Technical data**

- **Anchor type**: Off-the-shelf rods
- **Head configuration**: Externally threaded
- **Environmental conditions**: Indoor, dry conditions
- **Type of fastening**: Pre-fastening
- **Material composition**: Steel, 8.8 grade, zinc-plated (min. 5 µm)
- **Installation direction**: All
- **PROFIS**: Yes
- **Material, corrosion**: Steel, zinc-plated
- **In-service temperature**: -40 °C

**Key applications & advantages**

- Suitable for fastening in cracked concrete in combination with Hilti HVU-TZ capsules
- HVZ combines highest performance in chemical anchors with an unparalleled level of safety
- Minimal sensitivity to cracked concrete (tension zone)

**Approvals**

ETA 03/0032 for HVZ adhesive anchor system (ETAG 001-05, Option 1)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.

**Ordering designation**

<table>
<thead>
<tr>
<th>Anchor size</th>
<th>Base plate clearance hole</th>
<th>Wrench size</th>
<th>Anchor length</th>
<th>Standard embedment depth</th>
<th>Max. fixture thickness at standard embedment depth</th>
<th>Package contents</th>
<th>Sales pack quantity</th>
<th>Item number</th>
</tr>
</thead>
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<tr>
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<td>24 mm</td>
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## Technical data

### Anchor type
- Off-the-shelf rods

### Head configuration
- Externally threaded

### Environmental conditions
- Indoor, dry conditions

### Type of fastener
- Pre-fastening, Through-fastening

### Material composition
- Steel, A4 (SS316)

### Installation direction
- All

### PROFIS
- Yes

### In-service temperature
- -40 °C

### Accessories
- HIT-CB

## Approvals

### ETA 04/027 for HIT-RE 500 injection mortar for anchoring applications (ETAG 001-05, Option 1)

### ETA 06/0352 for HIT-HY 150 MA injection mortar for anchoring applications (ETAG 001-05, Option 1)

### ETA 11/0354 for HIT-CT 1 injection mortar for anchoring applications (ETAG 001-05, Option 1)

### Key applications & advantages

- Suitable for fastenings in concrete in conjunction with the relevant Hilti HIT injectable adhesive anchoring systems
- Suitable for fastenings in masonry in conjunction with Hilti HIT-HY 70
- For embedment depths of 4x - 20x rod diameter
- Flexibility: approved embedment depth between 4 to 20 times rod diameter allows shallow fastenings in thin concrete slabs or walls
- Productivity: use of optimal rod length and diameter saves time and money in each fastening job

## Anchor rod HIT-V-F (5.8 hot-dip galvanized)

### Technical data

#### Anchor type
- Off-the-shelf rods

#### Head configuration
- Externally threaded

#### Environmental conditions
- Indoor, damp conditions, Outdoor

#### Type of fastening
- Pre-fastening, Through-fastening

#### Material composition
- Steel, 5.8 grade, zinc-plated

#### Installation direction
- All

#### PROFIS
- Yes

#### Material, corrosion
- Steel, stainless / hot-dip galvanized

#### In-service temperature
- -40 °C

#### Accessories
- HIT-CB

## Anchor rod HIT-V-R

### Technical data

#### Anchor type
- Off-the-shelf rods

#### Head configuration
- Externally threaded

#### Environmental conditions
- Indoor, damp conditions

#### Type of fastening
- Pre-fastening, Through-fastening

#### Material composition
- Steel, A4 (SS316)

#### Installation direction
- All

#### PROFIS
- Yes

#### Material, corrosion
- Steel, stainless / hot-dip galvanized

#### In-service temperature
- -40 °C

#### Accessories
- HIT-CB
### Anchor Systems

#### Anchor rod (carbon steel) HIT-Z

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<thead>
<tr>
<th>Ordering designation</th>
<th>Anchor size</th>
<th>Base plate clearance hole pre-fastening</th>
<th>Base plate clearance hole through-fasting</th>
<th>Required tightening torque</th>
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<td>15 Nm</td>
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<td>20 mm</td>
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<td>30 Nm</td>
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<td>140 mm</td>
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#### Technical data

- Anchor type: Off-the-shelf rods
- Head configuration: Externally threaded
- Environmental conditions: Indoor, dry conditions
- Type of fastening: Pre-fastening, Through-fastening
- Approvals / test reports: ETA
- Material composition: Steel, zinc-plated
- Installation direction: All
- Tested/approved for diamond drilling: Yes
- PROFIS: Yes
- Material, corrosion: Steel, zinc-plated

#### Approvals

- ETA, Seismic
- EDC-ES EP-179 for HIT-HY 200 A/R injection mortar
- ETA 12/0006 for HIT-HY 200-A injection mortar

#### Key applications & advantages

- Fastenings in cracked and uncracked concrete made with Hilti HIT-HY 200
- Seismic anchoring applications (e.g. bracing of reinforced concrete buildings)
- Very high loads in cracked concrete
- Very productive solution that saves cleaning time

#### Package contents

- Sales pack quantity
- Item number

#### Anchor rod (stainless metric) HIT-Z-R

### Anchor Systems

#### Technical data

- Anchor type: Off-the-shelf rods
- Head configuration: Externally threaded
- Environmental conditions: Covered by ground soil, Outdoor, Underwater, fresh water
- Type of fastening: Pre-fastening, Through-fastening
- Approvals / test reports: ETA
- Material composition: Steel, A4 (SS316)
- Installation direction: All
- Tested/approved for diamond drilling: Yes
- PROFIS: Yes
- Material, corrosion: Stainless steel

#### Approvals

- EDC-ES EP-179 for HIT-HY 200 A/R injection mortar
- ETA 12/0006 for HIT-HY 200-A injection mortar

#### Key applications & advantages

- Fastenings in cracked and uncracked concrete made with Hilti HIT HY200
- For applications where shallow embedment is needed
- Very high loads in cracked concrete
- Very productive solution that saves cleaning time

#### Ordering designation

<table>
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<tr>
<th>Anchor size</th>
<th>Base plate clearance hole pre-fastening</th>
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<th>Wrench size</th>
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#### Package contents

- Sales pack quantity
- Item number
### Technical data

**Anchor type**: Internally threaded

**Head configuration**: Inner thread

**Environmental conditions**: Indoor, dry conditions

**Type of fastening**: Pre-fastening

**Material composition**: Steel, A4 (SS316)

**Installation direction**: AI

**Material, corrosion**: Sheet, stainless

### Approvals

- ETA 04/0027 for HIT-RE 500 injection m mortar anchoring applications (ETAG 001-05, Option 3)
- ETA 12/0225 for HVU adhesive capsules (ETAG 001-05, Option 7)
- ETA 08/0352 for HIT-HY 150 M kits injection mortar for anchoring applications (ETAG 001-05, Option 8)
- ETA 12/0284 for HIT-HY 200 injection mortar and standard element for anchoring application (ETAG 001-05, Option 1)

### Key applications & advantages

- Suitable for applications in hollow blocks in conjunction with HIT-HY 70, HIT-MM PLUS or HFX
- Can be cut with HIT-SMC 25 mesh sleeve scissors
- Designed for use in materials with large cavities for good mortar distribution and thus good load transfer
- In meter lengths, for cutting to size on site
- Simply push the anchor rod into the sleeve

### Composite mesh sleeve HIT-SC

<table>
<thead>
<tr>
<th>Ordering designation</th>
<th>Anchor size</th>
<th>Outside diameter</th>
<th>Anchor length</th>
<th>Drilling depth</th>
<th>Package contents</th>
<th>Sales pack quantity</th>
<th>Sales pack quantity</th>
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</table>

### Metal mesh sleeve HIT-S 1m (finely woven)

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<th>Ordering designation</th>
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<th>Anchor length</th>
<th>Drilling depth</th>
<th>Package contents</th>
<th>Sales pack quantity</th>
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### Material, corrosion

- Steel, zinc-plated

### Environmental conditions

- Indoor, damp conditions
- Indoor, dry conditions
- Indoor, ventilated facades, Outdoor, Unventilated, fresh water

### Type of fastening

- Pre-fastening

### Installation direction

- All

### LEED information available

- No

### Technical data

**Anchor type**: Mesh sleeve

**Material composition**: Steel mesh

**Installation direction**: Any

**Material, corrosion**: Steel, zinc-plated

### Approvals

- ETA 11/0493 for HIT-HY 70, HIT-MM PLUS or HFX
- ETA 08/0352 for HIT-HY 150 M kits injection mortar for anchoring applications (ETAG 001-05, Option 8)
- ETA 12/0284 for HIT-HY 200 injection mortar and standard element for anchoring application (ETAG 001-05, Option 1)

### Key applications & advantages

- Suitable for applications in hollow blocks in conjunction with HIT-HY 70, HIT-MM PLUS or HFX
- Can be cut with HIT-SMC 25 mesh sleeve scissors
- Designed for use in materials with large cavities for good mortar distribution and thus good load transfer
- In meter lengths, for cutting to size on site

### Composite mesh sleeve HIT-SC

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<thead>
<tr>
<th>Ordering designation</th>
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<th>Outside diameter</th>
<th>Anchor length</th>
<th>Drilling depth</th>
<th>Package contents</th>
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### Metal mesh sleeve HIT-S 1m (finely woven)

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### Material, corrosion

- Steel, zinc-plated

### Environmental conditions

- Indoor, damp conditions
- Indoor, dry conditions
- Indoor, ventilated facades, Outdoor, Unventilated, fresh water

### Type of fastening

- Pre-fastening

### Installation direction

- All

### LEED information available

- No

### Technical data

**Anchor type**: Mesh sleeve

**Material composition**: Steel mesh

**Installation direction**: Any

**Material, corrosion**: Steel, zinc-plated

### Approvals

- ETA 11/0493 for HIT-HY 70, HIT-MM PLUS or HFX
- ETA 08/0352 for HIT-HY 150 M kits injection mortar for anchoring applications (ETAG 001-05, Option 8)
- ETA 12/0284 for HIT-HY 200 injection mortar and standard element for anchoring application (ETAG 001-05, Option 1)

### Key applications & advantages

- Suitable for applications in hollow blocks in conjunction with HIT-HY 70, HIT-MM PLUS or HFX
- Can be cut with HIT-SMC 25 mesh sleeve scissors
- Designed for use in materials with large cavities for good mortar distribution and thus good load transfer
- In meter lengths, for cutting to size on site

### Composite mesh sleeve HIT-SC

<table>
<thead>
<tr>
<th>Ordering designation</th>
<th>Anchor size</th>
<th>Outside diameter</th>
<th>Anchor length</th>
<th>Drilling depth</th>
<th>Package contents</th>
<th>Sales pack quantity</th>
<th>Sales pack quantity</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIT-SC 12x65</td>
<td>12 mm</td>
<td>14 mm</td>
<td>85 mm</td>
<td>95 mm</td>
<td>1x Mesh sleeve HIT SC 12x65</td>
<td>10 pc</td>
<td>375960</td>
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<tr>
<td>HIT-SC 16x65</td>
<td>16 mm</td>
<td>18 mm</td>
<td>85 mm</td>
<td>95 mm</td>
<td>1x Mesh sleeve HIT SC 16x65</td>
<td>10 pc</td>
<td>375961</td>
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</tr>
<tr>
<td>HIT-SC 22x65</td>
<td>22 mm</td>
<td>24 mm</td>
<td>85 mm</td>
<td>95 mm</td>
<td>1x Mesh sleeve HIT SC 22x65</td>
<td>10 pc</td>
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### Metal mesh sleeve HIT-S 1m (finely woven)

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<tr>
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<th>Anchor size</th>
<th>Outside diameter</th>
<th>Anchor length</th>
<th>Drilling depth</th>
<th>Package contents</th>
<th>Sales pack quantity</th>
<th>Sales pack quantity</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIT-S 16x1M</td>
<td>16 mm</td>
<td>1000 mm</td>
<td></td>
<td></td>
<td></td>
<td>50 pc</td>
<td>49763</td>
<td></td>
</tr>
<tr>
<td>HIT-S 22x1M</td>
<td>22 mm</td>
<td>1000 mm</td>
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<td></td>
<td></td>
<td>25 pc</td>
<td>49764</td>
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### CPC

**Dispenser HDE 500-A22**

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<thead>
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<th>Ordering designation</th>
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<th>Package contents</th>
<th>Sales pack quantity</th>
<th>Item number</th>
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<tbody>
<tr>
<td>HDE 500-A22 CR/CB cas</td>
<td>2.2 kg</td>
<td>1 x Dispenser HDE 500-A22 EU assy, 1 x Cassette 500ml black, 1 x Cassette 500ml red</td>
<td>1 pc</td>
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**Dispenser HDM**

<table>
<thead>
<tr>
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<th>Package contents</th>
<th>Sales pack quantity</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
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<td>1.8 kg</td>
<td>1 x Dispenser HDM 500 assy, 1 x Cassette 500ml black, 1 x Cassette 500ml red</td>
<td>1 pc</td>
<td>3504617</td>
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<td>HIT KIT HDM 500 red/black/pump,3xbrush</td>
<td>2.2 kg</td>
<td>1 x Dispenser HDM 500 assy, 1 x Round brush 13MM HG, 1 x Round brush 18MM HG, 1 x Round brush 28MM HG, 1 x Blow-out pump, 1 x Cassette 500ml black, 1 x Cassette 500ml red, 1 x Case</td>
<td>1 pc</td>
<td>3504619</td>
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<tr>
<td>HDM 500 box</td>
<td>1.8 kg</td>
<td>1 x Dispenser HDM 500 assy</td>
<td>1 pc</td>
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<td>HDM V02 empty</td>
<td>2.2 kg</td>
<td>1 x Dispenser HDM 500 assy</td>
<td>1 pc</td>
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### Technical data

**Dispenser, setting tool, accessory, tester type**

- Battery type: 22 V
- Dispenser type: Battery
- Power source type: Compact B22/1.8 or B22/3.3 battery

**Key applications & advantages**

- Injection of HIT adhesive mortar for fastening anchor rods and rebars in concrete and masonry
- Serial fastenings and/or injection in deep holes
- No need for external power source supply
- Easy injection even at low temperatures
- Dose adjustment knob for accurate and controlled dispensing

### Accessories for blowing out drilled holes Hilti HIT

<table>
<thead>
<tr>
<th>Ordering designation</th>
<th>Sales pack quantity</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blow-out pump</td>
<td>1 pc</td>
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</table>

### Technical data

**Dispenser, setting tool, accessory, tester type**

### Key applications & advantages

- For fast and efficient removal of dust and debris from drilled holes of varying diameters and depths to allow correct installation of anchors and rebar

---

**Dispenser HDE 500-A22**

<table>
<thead>
<tr>
<th>Ordering designation</th>
<th>Package contents</th>
<th>Sales pack quantity</th>
<th>Item number</th>
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</thead>
<tbody>
<tr>
<td>Cartridge holder HIT-CB 330</td>
<td>1 x Cassette 330ml black</td>
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<td>2007058</td>
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<tr>
<td>Cartridge holder HIT-CB 500</td>
<td>1 x Cassette 500ml black</td>
<td>1 pc</td>
<td>2007057</td>
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</tbody>
</table>

### Cartridge holder Hilti HIT-CR

<table>
<thead>
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<th>Package contents</th>
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<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cartridge holder HIT-CR 330</td>
<td>1 x Cassette 330ml red</td>
<td>1 pc</td>
<td>2007058</td>
</tr>
<tr>
<td>Cartridge holder HIT-CR 500</td>
<td>1 x Cassette 500ml red</td>
<td>1 pc</td>
<td>2007059</td>
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### Cartridge holder HIT-CB 500

<table>
<thead>
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<th>Package contents</th>
<th>Sales pack quantity</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cartridge holder HIT-CB 330</td>
<td>1 x Cassette 330ml black</td>
<td>1 pc</td>
<td>2007058</td>
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<tr>
<td>Cartridge holder HIT-CB 500</td>
<td>1 x Cassette 500ml black</td>
<td>1 pc</td>
<td>2007057</td>
</tr>
</tbody>
</table>

### Technical data

**Dispenser, setting tool, accessory, tester type**

### Other accessories

- For use with all Hilti 3:1 adhesive foils
- **Cartridge holder HIT-CB 500**

**Dispenser, setting tool, accessory, tester type**

### Key applications & advantages

- For use with 5:1 red cartridges (e.g. Hilti HIT-HY 200)
**Technical data**

**Dispenser, setting tool, accessory, tester type**

**Dispenser type**

- Pneumatic

**Optimal air flow rate**

- 250 l/min

**Power source type**

- Compressed air

---

**Key applications & advantages**

- Injection of Hilti HIT adhesive mortar for fastening anchor rods and rebar in concrete and masonry
- For use with 1400 ml Hilti HIT foil packs
- Dispensing system for accurate hole filling
- Robust dispensers for tough jobsite conditions

---

**Pneumatic dispenser P 8000 D**

**Ordering designation**

- 373959

**Weight**

- 6.2 kg

**Package contents**

- 1x Dispenser P 8000 D assy, 1x Cassette VIC printed, 1x Carrying device P 8000 D 1 pc

---

**Mixers and extensions Hilti HIT**

**Ordering designation**

- 337111

**Package contents**

- 1 pc

---

**Key applications & advantages**

- Mixing nozzles for Hilti HIT adhesive cartridges

---

**Technical data**

**Dispenser, setting tool, accessory, tester type**

**Mixing nozzles and injection accessories**

**Ordering designation**

- 337111

**Package contents**

- 1 pc

**Sales pack quantity**

- 1 pc

**Item number**

- 337111

---

**Tensile testing system HAT 28**

**Ordering designation**

- 355338

**Gauge**

- HAT 28 M kit

**Gauge accuracy**

- 2.5%

**Maximum test load**

- 25 kN

---

**Key applications & advantages**

- Proof loading: application of specific test loads to anchors set in various materials
- Pull-out tests: Determination of pull-out resistance of anchors and DX fasteners in the test lab or on site
- Testing hoist anchor points in elevator shafts
- Compact and easy-to-use
- Test load can be read directly from the gauge

---

**Technical data**

**Dispenser, setting tool, accessory, tester type**

**Anchor testers and accessories**

**Battery type**

- 1 x 9 V

**Power source type**

- 9 V battery

---

**Anchor testing tool DPG 100**

**Ordering designation**

- 599999

**Gauge**

- DPG 100

**Gauge accuracy**

- Typical accuracy of ± 0.3 kN

**Maximum test load**

- 100 kN

**Minimum test load**

- 100 kN

**Weight**

- 3 kg

---

**Key applications & advantages**

- Proof loading: application of specific test loads to anchors set in various materials
- Compact and easy-to-use digital tester powered by a 9V battery
- Loads can be read directly from the digital gauge
### Key applications & advantages

- **Safety-relevant, heavy-duty fastenings** for all dynamic loading (shock, seismic and fatigue) in cracked or uncracked concrete, including applications in nuclear power plants
- Fastenings to support heavy pipes, safety barriers, industrial machines, crane rails, dome structures, crash barriers, roof fixings, elevator tracks, bridge retrofitting etc.
- Combines the flexibility and immediate loading of a post-installed mechanical anchor with the performance of a cast-in-place headed stud.
- Close spacing and small edge distance thanks to low expansion forces.

### Technical data

- **Head configuration**: Externally threaded
- **Environmental conditions**: Indoor, dry conditions
- **Type of fastening**: Through-fastening
- **Material composition**: Bolt: steel, 8.8 grade, zinc-plated (min. 5 µm)
- **Installation direction**: All
- **PROFIS**
- **LEED information available**: Yes
- **Additional product information**: Manufactured under a nuclear quality assurance program according to ASME NQA-1 and HOFROG App. B
- **Material, corrosion**: Steel, zinc-plated

### Ordering designation

<table>
<thead>
<tr>
<th>Item number</th>
<th>Description</th>
<th>Connection end</th>
<th>Sales pack quantity</th>
<th>Sales pack number</th>
<th>Item number</th>
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</thead>
<tbody>
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<td>TE-Y</td>
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<td>330299</td>
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<tr>
<td>331547</td>
<td>Stop drill bit TE-C-HDA-B</td>
<td>TE-C</td>
<td>1 pc</td>
<td>330299</td>
<td></td>
</tr>
</tbody>
</table>

### Setting tool TE-C-HDA-ST

- **Key applications & advantages**
  - Required for the automatic self-undercutting operation with the HDA undercut anchor

- **Technical data**
  - Dispenser, setting tool, accessory, tester type

<table>
<thead>
<tr>
<th>Item number</th>
<th>Description</th>
<th>Connection end</th>
<th>Package contents</th>
<th>Sales pack quantity</th>
<th>Sales pack number</th>
<th>Item number</th>
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</thead>
<tbody>
<tr>
<td>331846</td>
<td>Setting tool TE-Y-HDA-ST</td>
<td>TE-Y</td>
<td>1x Setting tool HDA M20</td>
<td>1 pc</td>
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<td>331857</td>
<td>Setting tool TE-C-HDA-ST</td>
<td>TE-C</td>
<td>1x Setting tool ST22-M12/C</td>
<td>1 pc</td>
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### Setting tool TE-Y-HDA-ST

- **Key applications & advantages**
  - Required for the automatic self-undercutting operation with the HDA undercut anchor

- **Technical data**
  - Dispenser, setting tool, accessory, tester type

<table>
<thead>
<tr>
<th>Item number</th>
<th>Description</th>
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<th>Package contents</th>
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<tbody>
<tr>
<td>331846</td>
<td>Setting tool TE-Y-HDA-ST</td>
<td>TE-Y</td>
<td>1x Setting tool HDA M20</td>
<td>1 pc</td>
<td>339269</td>
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<tr>
<td>331857</td>
<td>Setting tool TE-C-HDA-ST</td>
<td>TE-C</td>
<td>1x Setting tool ST22-M12/C</td>
<td>1 pc</td>
<td>331864</td>
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</table>

### Stop drill bit TE-C-HDA-B

- **Key applications & advantages**
  - Drilling HDA anchor holes to a defined depth

- **Technical data**
  - Stop drill bit

<table>
<thead>
<tr>
<th>Item number</th>
<th>Description</th>
<th>Connection end</th>
<th>Package contents</th>
<th>Sales pack quantity</th>
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<td>331546</td>
<td>Stop drill bit TE-Y-HDA-B</td>
<td>TE-Y</td>
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<td>331547</td>
<td>Stop drill bit TE-C-HDA-B</td>
<td>TE-C</td>
<td>1 pc</td>
<td>330298</td>
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</table>

### Stop drill bit TE-Y-HDA-B

- **Key applications & advantages**
  - Drilling HDA anchor holes to a defined depth

- **Technical data**
  - Stop drill bit

<table>
<thead>
<tr>
<th>Item number</th>
<th>Description</th>
<th>Connection end</th>
<th>Package contents</th>
<th>Sales pack quantity</th>
<th>Sales pack number</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>331546</td>
<td>Stop drill bit TE-Y-HDA-B</td>
<td>TE-Y</td>
<td>1 pc</td>
<td>330297</td>
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<td></td>
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<tr>
<td>331547</td>
<td>Stop drill bit TE-C-HDA-B</td>
<td>TE-C</td>
<td>1 pc</td>
<td>330298</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Key applications & advantages

- Heavy-duty fastenings in high safety-relevant or dynamic applications, including applications in nuclear power plants
- Applications where extensive approval back-up or technical back-up is required, e.g. machines, heavy equipment, steel columns, heavy pipe supports, pumps, beam supports, medical equipment, cantilevers, cranes, car hoists, etc.
- Heavy-duty applications, e.g. machines, heavy equipment, steel columns, heavy pipe supports, pumps, beam supports, medical equipment, cantilevers, cranes, car hoists, etc.
- High tension and shear load capacities
- Force-controlled expansion which allows follow-up expansion

Technical data

- Head configuration: Hex head
- Environmental conditions: Indoor, dry conditions
- Type of fastening: Through-fastening
- Material composition: Steel, zinc-plated (min. 5 µm), Bolt: steel, 8.8 grade, zinc-plated (min. 5 µm)
- Tested/approved for diamond drilling: Yes, with DD-EC 1
- IBC compliance: Yes
- LEED information available: Yes
- Additional product information: Manufactured under a nuclear quality assurance program according to ASME NQA-1-2000 and 10CFR50 App. B

Approvals

- ETA 02/0042 for HSL-3 heavy-duty expansion anchor (ETA 02/0042, Option 1)
- Approvals and test reports may apply to selected products only. Please refer to the documents for details.

Heavy-duty expansion anchor HSL-3

Ordering designation Anchor size Anchor length Base plate clearance hole Size of socket Head size Max. fixture thickness at standard embedment depth Drilling depth Required tightening torque Package contents
HSL-3 M8/20 M8 8 mm 14 mm 20 mm 80 mm 25 Nm 1x Heavy-duty anchor HSL-3 M 8/20 assy
HSL-3 M10/40 M10 10 mm 17 mm 20 mm 90 mm 50 Nm 1x Heavy-duty anchor HSL-3 M 10/40 assy
HSL-3 M12/25 M12 12 mm 20 mm 25 mm 105 mm 80 Nm 1x Heavy-duty anchor HSL-3 M 12/25 assy
HSL-3 M16/25 M16 16 mm 25 mm 25 mm 125 mm 120 Nm 1x Heavy-duty anchor HSL-3 M 16/25 assy
HSL-3 M20/30 M20 20 mm 30 mm 30 mm 155 mm 120 Nm 1x Heavy-duty anchor HSL-3 M 20/30 assy
HSL-3 M20/60 M20 20 mm 30 mm 60 mm 155 mm 120 Nm 1x Heavy-duty anchor HSL-3 M 20/60 assy

Heavy-duty expansion anchor HSL-3-SK

Ordering designation Anchor size Anchor length Base plate clearance hole Size of socket Head size Max. fixture thickness at standard embedment depth Drilling depth Required tightening torque Package contents
HSL-3-SK M8/10 M8 8 mm 14 mm 25 Nm 5 mm 80 mm 1x Heavy-duty anchor HSL-3-SK M 8/10 assy
HSL-3-SK M10/20 M10 10 mm 17 mm 50 Nm 6 mm 90 mm 1x Heavy-duty anchor HSL-3-SK M 10/20 assy
HSL-3-SK M12/25 M12 12 mm 20 mm 80 Nm 8 mm 105 mm 1x Heavy-duty anchor HSL-3-SK M 12/25 assy

Key applications & advantages

- Fastenings in safety-relevant and/or dynamic applications where a flush installation or neat appearance is required including applications in nuclear power plants
- Applications where extensive approval back-up or technical back-up is required
- Various uses such as for medical equipment, hand rails, machines, car hoists, safety fences, pumps, etc.
- Esthetic appearance and no tripping hazard due to flush installation
- High tension and shear load capacity
- Force-controlled expansion which allows follow-up expansion
Stud anchor HST

Key applications & advantages
- Particularly suitable for safety relevant applications
- Facades
- Structural steel
- High-performance stud anchor: The optimised design of the expansion pieces and tapered section combined with special steel and coatings ensure outstanding performance in cracked and uncracked concrete
- Suitable for applications in cracked concrete

Technical data
- Head configuration: Externally threaded
- Environmental conditions: Index, dry conditions
- Type of fastening: Pre-fastening, Through-fastening
- Material composition: Steel, zinc-plated
- Installation direction: All
- Tested/approved for diamond drilling: Yes
- LED information available: Yes
- Material, corrosion resistance: Steel, zinc-plated
- Accessories: HSA/HST/HIT/HSV/KB-TZ

### Ordering designation

<table>
<thead>
<tr>
<th>Ordering designation</th>
<th>Anchor size</th>
<th>Anchor length</th>
<th>Base plate clearance</th>
<th>Required tightening torque</th>
<th>Wrench size</th>
<th>Socket size</th>
<th>Package contents</th>
<th>Sales pack quantity</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
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<td>HST M6X8/10</td>
<td>M6</td>
<td>8 mm</td>
<td>20 Nm</td>
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<td>HST M8X10/80</td>
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<td>10 mm</td>
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<td>30 mm</td>
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<td>10 mm</td>
<td>30 Nm</td>
<td>30 mm</td>
<td>30 mm</td>
<td>1x Safety stud anchor HST M24X10/10</td>
<td>10 pc</td>
<td>371687</td>
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### Standard stud anchor HSA

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<th>Base plate clearance</th>
<th>Required tightening torque</th>
<th>Wrench size</th>
<th>Socket size</th>
<th>Package contents</th>
<th>Sales pack quantity</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSA M8x65</td>
<td>M6</td>
<td>65 mm</td>
<td>7 mm</td>
<td>10 mm</td>
<td>30 mm</td>
<td>1x Std stud anchor HSA M6 20/10/-</td>
<td>200 pc</td>
<td>2004122</td>
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<tr>
<td>HSA M6x85</td>
<td>M6</td>
<td>85 mm</td>
<td>7 mm</td>
<td>10 mm</td>
<td>30 mm</td>
<td>1x Std stud anchor HSA M6 40/30/10</td>
<td>100 pc</td>
<td>2004123</td>
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<tr>
<td>HSA M8x55</td>
<td>M8</td>
<td>55 mm</td>
<td>9 mm</td>
<td>15 mm</td>
<td>30 mm</td>
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<td>150 pc</td>
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<td>9 mm</td>
<td>15 mm</td>
<td>30 mm</td>
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<td>100 pc</td>
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### Standard hot-dip galvanized stud anchor HSA-F

**Technical data**
- **Head configuration**: Externally threaded
- **Environmental conditions**: Indoor, damp conditions
- **Type of fastening**: Pre-fastening, through-fastening
- **Material composition**: Steel, hot-dip galvanized (min. 35 µm)
- **Installation direction**: All
- **Tested/approved for diamond drilling**: Yes
- **LEED information available**: Yes
- **Material, corrosion**: Stainless steel

**Ordering designation**
- **Anchor size**: M8, M10, M12, M16
- **Anchor length**: 70/20/-, 85/20/-, 100/20/-, 102/20/-, 105/40/15, 108/40/-, 115/40/-, 125/40/-
- **Base plate size**: 9 mm, 11 mm, 13 mm, 16 mm, 17 mm, 19 mm, 20 mm
- **Socket size**: 4 mm, 6 mm, 8 mm, 10 mm, 12 mm, 14 mm, 16 mm
- **Wrench size**: 8 mm, 10 mm, 12 mm

**Package contents**
- **Sales pack quantity**: 100 pc
- **Item number**: 2004114

**Ordering designation**
- **Anchor size**: M8, M10, M12, M16
- **Anchor length**: 70/20/-, 85/20/-, 100/20/-, 102/20/-, 105/40/15, 108/40/-, 115/40/-, 125/40/-
- **Base plate size**: 9 mm, 11 mm, 13 mm, 16 mm, 17 mm, 19 mm, 20 mm
- **Socket size**: 4 mm, 6 mm, 8 mm, 10 mm, 12 mm, 14 mm, 16 mm
- **Wrench size**: 8 mm, 10 mm, 12 mm

**Package contents**
- **Sales pack quantity**: 100 pc
- **Item number**: 2004115

**Technical data**
- **Head configuration**: Externally threaded
- **Environmental conditions**: Outdoor
- **Type of fastening**: Pre-fastening, through-fastening
- **Material composition**: Steel, hot-dip galvanized

**Ordering designation**
- **Anchor size**: M16
- **Anchor length**: 102 mm
- **Base plate size**: 18 mm
- **Socket size**: 14 mm
- **Wrench size**: 10 mm

**Material, corrosion**: Stainless steel

**Accessories**
- **Material**: HVS/HST/HST/KBZ/KB2

**Ordering designation**
- **Anchor size**: M6, M8, M10, M12, M16
- **Anchor length**: 50/25/-, 68/50/-, 83/70/-, 100/70/-, 113/70/-, 125/70/-, 133/70/-, 140/70/-
- **Base plate size**: 9 mm, 11 mm, 13 mm, 16 mm, 17 mm, 19 mm, 20 mm
- **Socket size**: 4 mm, 6 mm, 8 mm, 10 mm, 12 mm, 14 mm, 16 mm
- **Wrench size**: 8 mm, 10 mm, 12 mm

**Package contents**
- **Sales pack quantity**: 100 pc
- **Item number**: 2004116

### Key applications & advantages
- Fastening facade brackets
- Fastening brackets and channels
- Fastening columns and beams
- High loads (optimal utilization of the concrete strength)
- 3 embedment depths offering maximum flexibility

### Technical data
- **Head configuration**: Externally threaded
- **Environmental conditions**: Indoor, damp conditions
- **Type of fastening**: Pre-fastening, through-fastening
- **Material composition**: Steel, hot-dip galvanized

**Ordering designation**
- **Anchor size**: M8, M10, M12, M16
- **Anchor length**: 50/25/-, 68/50/-, 83/70/-, 100/70/-, 113/70/-, 125/70/-, 133/70/-, 140/70/-
- **Base plate size**: 9 mm, 11 mm, 13 mm, 16 mm, 17 mm, 19 mm, 20 mm
- **Socket size**: 4 mm, 6 mm, 8 mm, 10 mm, 12 mm, 14 mm, 16 mm
- **Wrench size**: 8 mm, 10 mm, 12 mm

**Package contents**
- **Sales pack quantity**: 100 pc
- **Item number**: 2004117

### Standard stud anchor HSA-R

**Technical data**
- **Head configuration**: Externally threaded
- **Environmental conditions**: Outdoor
- **Type of fastening**: Pre-fastening, through-fastening
- **Material composition**: Steel, hot-dip galvanized

**Ordering designation**
- **Anchor size**: M8, M10, M12, M16
- **Anchor length**: 55/45/15, 65/50/15, 70/55/15, 78/60/15, 83/70/30, 85/70/30, 90/75/30, 100/70/50
- **Base plate size**: 9 mm, 11 mm, 13 mm, 16 mm, 17 mm, 19 mm, 20 mm
- **Socket size**: 4 mm, 6 mm, 8 mm, 10 mm, 12 mm, 14 mm, 16 mm
- **Wrench size**: 8 mm, 10 mm, 12 mm

**Package contents**
- **Sales pack quantity**: 100 pc
- **Item number**: 2004178

### Torque bar S-TB

**Ordering designation**
- **Drive connection**: 1/2 in square, female
- **Drive head**: 1/2 in square, male
- **Material coating**: Phosphating
- **Material composition**: Impact grade chrome molybdenum steel

**Ordering designation**
- **Anchor size**: M6, M8, M10, M12
- **Anchor length**: 55/45/15, 65/50/15, 70/55/15, 78/60/15, 83/70/30, 85/70/30, 90/75/30, 100/70/50
- **Base plate size**: 9 mm, 11 mm, 13 mm, 16 mm, 17 mm, 19 mm, 20 mm
- **Socket size**: 4 mm, 6 mm, 8 mm, 10 mm, 12 mm, 14 mm, 16 mm
- **Wrench size**: 8 mm, 10 mm, 12 mm

**Package contents**
- **Sales pack quantity**: 1 pc
- **Item number**: 423774

**Ordering designation**
- **Drive connection**: 1/2 in square, female
- **Drive head**: 1/2 in square, male
- **Material coating**: Phosphating
- **Material composition**: Impact grade chrome molybdenum steel

**Ordering designation**
- **Anchor size**: M6, M8, M10, M12
- **Anchor length**: 55/45/15, 65/50/15, 70/55/15, 78/60/15, 83/70/30, 85/70/30, 90/75/30, 100/70/50
- **Base plate size**: 9 mm, 11 mm, 13 mm, 16 mm, 17 mm, 19 mm, 20 mm
- **Socket size**: 4 mm, 6 mm, 8 mm, 10 mm, 12 mm, 14 mm, 16 mm
- **Wrench size**: 8 mm, 10 mm, 12 mm

**Package contents**
- **Sales pack quantity**: 1 pc
- **Item number**: 423775

**Ordering designation**
- **Drive connection**: 1/2 in square, female
- **Drive head**: 1/2 in square, male
- **Material coating**: Phosphating
- **Material composition**: Impact grade chrome molybdenum steel

**Ordering designation**
- **Anchor size**: M6, M8, M10, M12
- **Anchor length**: 55/45/15, 65/50/15, 70/55/15, 78/60/15, 83/70/30, 85/70/30, 90/75/30, 100/70/50
- **Base plate size**: 9 mm, 11 mm, 13 mm, 16 mm, 17 mm, 19 mm, 20 mm
- **Socket size**: 4 mm, 6 mm, 8 mm, 10 mm, 12 mm, 14 mm, 16 mm
- **Wrench size**: 8 mm, 10 mm, 12 mm

**Package contents**
- **Sales pack quantity**: 1 pc
- **Item number**: 423776

### Key applications & advantages
- Fastening facade brackets
- Fastening columns and beams
- Fastening brackets and channels
- High loads (optimal utilization of the concrete strength)
- 3 embedment depths offering maximum flexibility

### TORQUE BAR S-TB

**Ordering designation**
- **Anchor size**: M6, M8, M10, M12
- **Anchor length**: 55/45/15, 65/50/15, 70/55/15, 78/60/15, 83/70/30, 85/70/30, 90/75/30, 100/70/50
- **Base plate size**: 9 mm, 11 mm, 13 mm, 16 mm, 17 mm, 19 mm, 20 mm
- **Socket size**: 4 mm, 6 mm, 8 mm, 10 mm, 12 mm, 14 mm, 16 mm
- **Wrench size**: 8 mm, 10 mm, 12 mm

**Package contents**
- **Sales pack quantity**: 1 pc
- **Item number**: 423777
**Standard stud anchor HSV**

- **Key applications & advantages**
  - Wide range of applications in uncracked concrete
  - Made from cold-formed carbon steel, zinc-plated to 5µm
  - Two embedment depths for a wide range of fastening thicknesses

- **Technical data**
  - **Head configuration**: Externally threaded
  - **Environmental conditions**: Indoor, dry conditions
  - **Type of fastening**: Pre-fastening, Through-fastening
  - **Material composition**: Steel, zinc-plated (min. 5 µm)
  - **Installation direction**: All
  - **Suitable for cracked concrete with redundant fastenings**: Yes
  - **Material, corrosion**: Steel, zinc-plated

- **Ordering**
  - **HSV M8x10**
  - **HSV M10x12**
  - **HSV M12x14**

- **Machine setting tool for stud anchors HSV/ HSA/ HST/ KB3/ KB-TZ**
  - **Setting tool HS-SC 150**
  - 1x Setting tool HS-SC 150

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**Drop-in (flush) anchor HKD**

- **Key applications & advantages**
  - For medium-duty loads with anchor bolts and threaded rods, e.g. suspension systems for pipes, air ducts, sprinkler systems etc.
  - For redundant fastening applications in cracked concrete or single-point applications in uncracked concrete
  - "Intelligent" stepped expansion cone allows easy, correct setting even in harder materials
  - Available in a variety of sizes for maximum suitability for a wide range of applications

- **Technical data**
  - **Head configuration**: Inner thread
  - **Environmental conditions**: Outdoor
  - **Type of fastening**: Pre-fastening
  - **Material composition**: Steel, A4 (SS316)
  - **Installation direction**: All
  - **Suitable for cracked concrete with redundant fastenings**: Yes
  - **Material, corrosion**: Stainless steel

- **Ordering**
  - **HKD M6x20**
  - **HKD M8x30**
  - **HKD M10x40**

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**Drop-in anchor HKD-SR**

- **Key applications & advantages**
  - For medium-duty loads with anchor bolts and threaded rods, e.g. suspension systems for pipes, air ducts, sprinkler systems etc.
  - For redundant fastening applications in cracked concrete or single-point applications in uncracked concrete
  - "Intelligent" stepped expansion cone allows easy, correct setting even in harder materials
  - Available in a variety of sizes for maximum suitability for a wide range of applications

- **Technical data**
  - **Head configuration**: Inner thread
  - **Environmental conditions**: Outdoor
  - **Type of fastening**: Pre-fastening
  - **Material composition**: Steel, zinc-plated
  - **Installation direction**: All
  - **Suitable for cracked concrete with redundant fastenings**: Yes
  - **Material, corrosion**: Stainless steel

- **Ordering**
  - **HKD-SR M6x20**
  - **HKD-SR M8x25**
  - **HKD-SR M10x30**

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**Accessories**

- **HSV/ HSA/ HST/ KB-TZ**
- **PROFIS**
- **HKD-G M10 3/8"X30**
- **TE 4-A22**

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**Contact**

- www.hilti.co.za | 08000 23331

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**Approvals**

- ETA 02/0032 for HKD drop-in anchor (ETA 001-104, Option 4)
- ETA 06/0047 for HKD drop-in anchor multiple applications (ETA 012-101-4, Option 4)

- Approvals and test reports may apply to selected products only. Please refer to the documents for details.
### Key applications & advantages
- For medium-duty loads with anchor bolts and threaded rods, e.g. suspension systems for pipes, air ducts and sprinkler systems etc.
- For fastening diamond core drilling rigs / base plates, M16 only (DD120 and up)
- No collar - can be set at greater depth
- No damage to the thread when tapping in and expanding

### Technical data

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### Installation tools

- TE 4-A22

### Setting tool HKD-TE-CX

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### Screw anchor HUS3-H 8/10/14

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### Approvals

- DIBt Z-21.1-2021 for HUS3 anchor
- ETA 13/1038 for HUS3-H/C screw anchor [ETAG 13/1038, Option 1]
### Screw anchor HUS3-HF 10/14

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### Anchor reusability gauge HRG 8/10/14/16

**Key applications & advantages**
- Temporary applications on all grades of concrete
- Indicates whether the screw anchor can still be reused
- Always available on site in combination with the SIW 22T-A

### Screw anchor HUS-C 8/10

**Key applications & advantages**
- Railings and balustrades
- Architectural metal
- EFA approval for cracked and uncracked concrete
- Seismic approval ETA C1

### Technical data

- **Head configuration**: Hex head
- **Material composition**: Sheet, zinc-plated (min. 5 µm)
- **Installation tools**: SIW 22T-A 1/2"
Screw anchor HUS-H 6

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<th>Base plate clearance hole size</th>
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Screw anchor HUS-H 8/10/14

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<td>1x Screw anchor HUS-H 8x12</td>
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Technical data

- Head configuration: Hex head
- Environmental conditions: Indoor, dry conditions
- Type of fastening: Through-fastening
- Material composition: Steel, zinc-plated
- Installation direction: All
- Suitable for cracked concrete with redundant fastenings
- PROFIS: Yes
- Material corrosion: Steel, zinc-plated

Approvals

- ETA, Fire resistance
- ETA 10/0055 for HUS screw anchor size 6 multiple applications ETA 001-08, Option I
- Approvals and test reports may apply to selected products only. Please refer to the documents for details.

Screw anchor HUS-I

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<th>Thread engagement depth - mm.</th>
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<th>Anchor length</th>
<th>Embedment depth 1</th>
<th>Embedment depth 2</th>
<th>Drilling depth at embed. 1</th>
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Technical data

- Head configuration: Internal thread
- Environmental conditions: Indoor, dry conditions
- Type of fastening: Pre-fastening
- Material composition: Steel, zinc-plated
- Installation direction: All
- Suitable for cracked concrete with redundant fastenings
- PROFIS: Yes
- Material corrosion: Steel, zinc-plated

Approvals

- ETA, Fire resistance
- ETA 10/0055 for HUS screw anchor size 6 multiple applications ETA 001-08, Option I
- Approvals and test reports may apply to selected products only. Please refer to the documents for details.

Screw anchor HUS-A

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<td>13 mm</td>
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Technical data

- Head configuration: Hex head
- Environmental conditions: Indoor, dry conditions
- Type of fastening: Through-fastening
- Material composition: Steel, zinc-plated
- Installation direction: All
- Suitable for cracked concrete with redundant fastenings
- PROFIS: Yes
- Material corrosion: Steel, zinc-plated

Approvals

- ETA, Fire resistance
- ETA 10/0055 for HUS screw anchor size 6 multiple applications ETA 001-08, Option I
- Approvals and test reports may apply to selected products only. Please refer to the documents for details.
Screw anchor HUS-P

Key applications & advantages
- Piping or ventilation applications with ornamental fittings in steel such as handrails or railings
- Suitable for serial applications
- ETA approval - also for cracked concrete

Technical data
- Head configuration: Round head
- Environmental conditions: Indoor, dry conditions
- Type of fastening: Through-fastening
- Material composition: Steel, zinc-plated
- Installation tools: SW 14-A, 23-A
- Profils:
  - Suitable for cracked concrete with redundant fastenings: Yes
- Installation direction: All

Material, corrosion:
- Steel, zinc-plated

Ordering designation
- Anchor size: 6x40
- Base plate clearance hole: 8 mm
- Anchor length: 40 mm
- Drilling depth at embed.: 45 mm
- Package contents: 1x Screw anchor HUS-P 6x40
- Sales pack quantity: 100 pc
- Item number: 416745

Sleeve anchor (hex head) HLC

Key applications & advantages
- Suitable for a large range of temporary applications, fastening small items etc.
- Variety of lengths and sizes for a multitude of applications
- Pre-assembled anchor for fast, easy installation

Technical data
- Head configuration: Hex head
- Environmental conditions: Indoor, dry conditions
- Type of fastening: Pre-fastening, Through-fastening
- Material composition: Steel, zinc-plated
- Installation direction: All

Installation tools: TE-6-A/J-AVR

Sleeve anchor (hex head) HLC-H

Key applications & advantages
- Suitable for a large range of temporary applications, fastening small items etc.
- Variety of lengths and sizes for a multitude of applications
- Pre-assembled anchor for fast, easy installation

Technical data
- Head configuration: Hex head
- Environmental conditions: Indoor, dry conditions
- Type of fastening: Pre-fastening, Through-fastening
- Material composition: Steel, zinc-plated
- Installation direction: All

Installation tools: TE-6-A/J-AVR

Ordering designation
- Anchor diameter (pre-drilled): 10 mm
- Anchor size: 10 mm
- Anchor length: 100 mm
- Base plate clearance hole: 12 mm
- Required tightening torque: 12 Nm
- Wrench nut size: 15 mm
- Package contents: 1x Anchor HLC-H 10x100/65 assy
- Sales pack quantity: 10 pc
- Item number: 385840

Ordering designation
- Anchor diameter (pre-drilled): 12 mm
- Anchor size: 12 mm
- Anchor length: 120 mm
- Base plate clearance hole: 15 mm
- Required tightening torque: 15 Nm
- Wrench nut size: 17 mm
- Package contents: 1x Anchor HLC-H 12x120/55 assy
- Sales pack quantity: 10 pc
- Item number: 385841

Ordering designation
- Anchor diameter (pre-drilled): 16 mm
- Anchor size: 16 mm
- Anchor length: 160 mm
- Base plate clearance hole: 20 mm
- Required tightening torque: 25 Nm
- Wrench nut size: 20 mm
- Package contents: 1x Anchor HLC-H 16x160/90 assy
- Sales pack quantity: 10 pc
- Item number: 385842

Ordering designation
- Anchor diameter (pre-drilled): 18 mm
- Anchor size: 18 mm
- Anchor length: 180 mm
- Base plate clearance hole: 23 mm
- Required tightening torque: 35 Nm
- Wrench nut size: 23 mm
- Package contents: 1x Anchor HLC-H 18x180/100 assy
- Sales pack quantity: 10 pc
- Item number: 385843
Sleeve anchor (closed eyebolt) HLC-EC

- **Key applications & advantages**
  - Pre-assembled anchor for fast, easy installation
  - Eyebolt version

- **Technical data**
  - **Head configuration**: Closed eye bolt
  - **Environmental conditions**: Indoor, dry conditions
  - **Material composition**: Sheet, zinc-plated (min. 5 µm)
  - **Installation direction**: All

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<td>HLC-EC 16x80/35</td>
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Sleeve anchor (counter sunk) HLC-SK

- **Key applications & advantages**
  - Suitable for various base materials thanks to the expansion principle
  - Variety of lengths and sizes for a multitude of applications
  - Pre-assembled anchor for fast, easy installation

- **Technical data**
  - **Head configuration**: Countersunk
  - **Environmental conditions**: Indoor, dry conditions
  - **Type of fastening**: Through-fastening
  - **Material composition**: Sheet, 0.8 grade, zinc-plated (min. 5 µm)
  - **Installation direction**: All

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Metal frame anchor HT

- **Key applications & advantages**
  - Works on all solid base materials
  - Fastening window and door frames
  - Pre-assembled screw
  - Ergonomic setting tool for thread sizes M4 to M8

- **Technical data**
  - **Type of fastening**: Through-fastening
  - **Installation direction**: All

<table>
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Wedge anchor DBZ

- **Key applications & advantages**
  - Internally-threaded solution for all solid base materials
  - Works on all solid base materials
  - Protective plastic ring prevents deformation caused by hammering

- **Technical data**
  - **Head configuration**: Hex head
  - **Environmental conditions**: Indoor, dry conditions
  - **Type of fastening**: Pre-fastening, Through-fastening
  - **Installation direction**: All

<table>
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<td>M10</td>
</tr>
<tr>
<td>HAM M12x50</td>
<td>M12</td>
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</table>
**Frame anchor with countersunk head HRD-C**

- **Key applications & advantages**
  - Typical applications for metal fabricators such as fastening handrails, window bars, railings, balustrades, etc.
  - Fastening wooden substructures for ventilated facades
  - Fastening door and window frames
  - Flexible embedment depth (approved at 50 mm and 70 mm embedment depth) - the ideal anchor for a huge range of applications in virtually all base materials
  - Suitable for fastening thicknesses up to 280 mm (anchor lengths from 60 mm to 310 mm)

<table>
<thead>
<tr>
<th>Technical data</th>
<th>Anchor type: Anchor with screw</th>
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<tbody>
<tr>
<td>Head configuration</td>
<td>Countersunk Phillips</td>
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<tr>
<td>Environmental conditions</td>
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<td>Type of fastening</td>
<td>Through-fastening</td>
</tr>
<tr>
<td>Material composition</td>
<td>Steel, zinc-plated (min. 5 μm), Polyamide</td>
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<td>Material, corrosion</td>
<td>Steel, zinc-plated</td>
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<td>Installation temperature</td>
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**Ordering designation**

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<th>Screw head diameter</th>
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**Impact anchor HPS-1**

- **Key applications & advantages**
  - Fastening trim strips, baffles and components for electrical and plumbing installations
  - Fastening components for electrical and plumbing installations
  - For universal use on many materials, including perforated brick and block
  - The hammer-driven screw can also be driven or uncrewed using a screwdriver

**Technical data**

- **Anchor type:** Plastic anchor
- **Head configuration:** Countersunk Phillips
- **Environmental conditions:** Indoor, dry conditions
- **Type of fastening:** Through-fastening
- **Material composition:** Body: polyamide, Screw steel, zinc-plated (min. 3 μm)
- **Installation direction:** All
- **Material, corrosion:** Steel, stainless
- **In-service temperature – range:** -40 - 80 °C

**Ordering designation**

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<th>Anchor size</th>
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<th>Drilling depth</th>
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<tr>
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<td>50 mm</td>
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**Impact anchor HPS-1 R**

- **Key applications & advantages**
  - Anchoring light frames, baffles and profiles in hollow and solid base materials
  - Corrosion-resistant for outdoor use
  - Fastening components for electrical and plumbing installations
  - Stainless steel hammer-driven screw for outdoor use
  - Quick impact installation using a hammer

**Technical data**

- **Anchor type:** Plastic anchor
- **Head configuration:** Countersunk Phillips
- **Environmental conditions:** Outdoor
- **Type of fastening:** Through-fastening
- **Material composition:** Body: polyamide, Screw: 304 stainless steel
- **Installation direction:** All
- **Material, corrosion:** Steel, stainless
- **In-service temperature – range:** -40 - 80 °C

**Ordering designation**

<table>
<thead>
<tr>
<th>Anchor size</th>
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<th>Bit size</th>
<th>Standard embedment depth</th>
<th>Max. fixture thickness at standard embedment depth</th>
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<th>Sales pack quantity</th>
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<tr>
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<td>M8</td>
<td>PZ2</td>
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<td>50 mm</td>
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</table>
| HPS-1 R 8/100x130 | M8 | PZ2 | 30 mm | 100 mm | 50 mm | 1x Impact anchor HPS-1 R 8/100x130 ASSY | 100 pc | 260363
**Light-duty anchor HLD**

**Key applications & advantages**

- Fastening on low-strength materials with cavities - for use with standard wood screws
- Anchoring in perforated brick or block, drywall, concrete
- The wings spring out and adapt to all materials
- Allows flexibility when selecting screws

**Technical data**

<table>
<thead>
<tr>
<th>Anchor diameter (imperial)</th>
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<th>Drilling depth</th>
<th>Package contents</th>
<th>Sales pack quantity</th>
<th>Item number</th>
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<td>28 mm</td>
<td>Box White</td>
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<td>HLD 3</td>
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<td>35 mm</td>
<td>Box White</td>
<td>1x Light-duty anchor HLD 3</td>
<td>100 pc</td>
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<tr>
<td>HLD 4</td>
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<td>44 mm</td>
<td>Box White</td>
<td>1x Light-duty anchor HLD 4</td>
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</table>

**Usage**

- Anchoring in perforated brick or block
- Fastening on low-strength materials
- Anchoring in perforated brick or block, drywall, concrete
- The wings spring out and adapt to all materials
- Allows flexibility when selecting screws

**Universal plastic anchor HUD-1**

**Key applications & advantages**

- Many kinds of light-duty fastenings, especially electrical installations, sanitary fixtures, etc.
- For use on a wide range of materials: concrete, solid brick, hollow brick, gas (aerated) concrete, gypsum panel
- High holding power

**Technical data**

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<tr>
<th>Anchor type</th>
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<td>Pre-fastening, Through-fastening</td>
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<tr>
<td>Material composition</td>
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<td>Installation</td>
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<td>In-service temperature – range</td>
<td>-40 - 80 °C</td>
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<td>Installation tools</td>
<td>SFC 14-A, SFC 20-A</td>
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<th>Package contents</th>
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<th>Item number</th>
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<tbody>
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<td>70 mm</td>
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**Universal plastic anchor HUD-L**

**Key applications & advantages**

- Refurbishing work on thick layers of plaster and on double-clad drywall panels, e.g. battens, junction boxes, cables, light switches, lights, brackets, signs, shelves, plumbing fixtures, wall brackets etc.
- Extra-long plastic anchor for refurbishment and renovation work or drywall installation
- Extra long, for bridging thick layers of plaster up to 30 mm
- Forms a “knot” when set in hollow materials and double-clad drywall panels

**Technical data**

<table>
<thead>
<tr>
<th>Anchor type</th>
<th>Plastic anchor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head config.</td>
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**Ordering details**

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<td>Box Red</td>
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<td>80 mm</td>
<td>1x Anchor</td>
<td>100 pc</td>
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</table>
### Metal Insulation Fastener IDMS

**Technical Data**
- **Anchor type**: Insulation holder
- **Environmental conditions**: Indoor, ventilated facades
- **Type of fastening**: Through-fastening
- **Material composition**: Steel, zinc-plated (min. 5 µm)
- **Installation direction**: All
- **Material, corrosion**: Steel, zinc-plated
- **ETICS**: No

**Key applications & advantages**
- Insulation fastenings with fire resistance requirements
- Certified fire resistance
- Fire resistant fastener for insulation materials up to 150 mm

<table>
<thead>
<tr>
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<th>Insulation material thickness fastened - max.</th>
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### Insulation Anchor IDP

**Technical Data**
- **Anchor type**: Insulation holder
- **Type of fastening**: Through-fastening
- **Material composition**: Polypropylene
- **Installation direction**: All
- **Material, corrosion**: Plastic
- **Installation temperature - max.**: 40 ºC
- **Installation temperature - min.**: 0 ºC
- **ETICS**: No

**Key applications & advantages**
- Fastening hard, self-supporting, insulating materials such as expanded polystyrene
- Quick and easy impact installation
- Insulating material thickness: up to 150 mm

<table>
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<th>Ordering designation</th>
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<th>Insulation material thickness fastened - min.</th>
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