

The OneStep system: **simple, fail-safe,** **easily adaptable**

Technical specification (example) Hilti HOS-W 250/320 OneStep rock anchor:

Anchor shaft diameter:	38.5 mm
Length:	250 cm
Ultimate load:	> 320 kN
Yield point:	> 270 kN
Elongation at break:	> 10 %
Adhesive:	10–20 sec. curing time, depending on rock temperature
Drilling method:	Rotary, wet



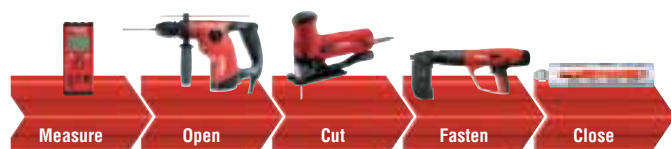
Hilti drill head

Drill head shape:	Roof-shaped cutting edge (various versions to suit rock type and drilling method)
Diameter at cutting edge:	40.5 mm



Hilti HOS-W injection adaptor

Interface to drilling motor:	Adaptable connection end
Drilling method:	Rotary, wet
Height:	200 mm (extendable)
Diameter at anchor connector:	80 mm
Required water pressure for drilling / injection	min. 15 bar



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The **breakthrough** in anchor technology

**Hilti OneStep
self-drilling
rock anchor
with integrated
adhesive
cartridge**



HILTI

OneStep: the rock anchor with **convincing advantages**

Reduced anchor setting time

- Fewer installation operations
- Easy to use
- Rapid-curing adhesive
- Fast drilling progress

Increased working safety

- No hazardous installation operations
- Reduced exposure to unsupported areas

Fail-safe installation

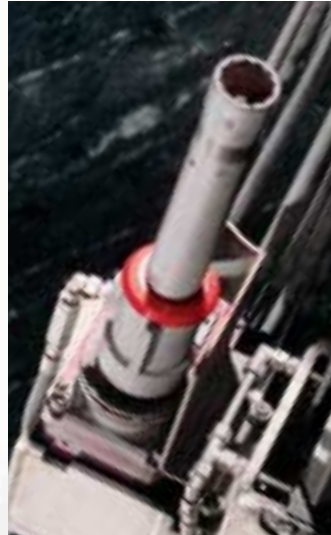
- Always the optimum installation parameters: exact hole depth – annular gap – adhesive volume
- Adhesive bond over entire length – no “gloving”
- Easy to install – no sources of errors

Simple materials management

- 1 item instead of 4: replaces the drill head, drill steel, adhesive cartridge and anchor



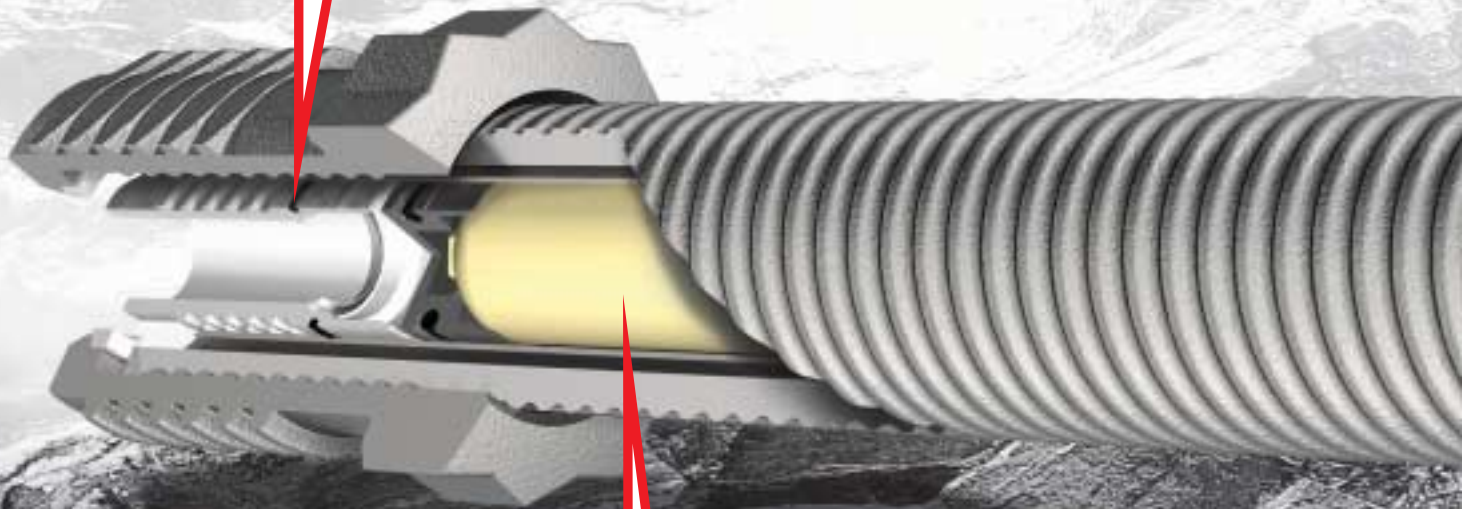
Hilti OneStep revolutionizes rock anchoring: fewer setting operations, fail-safe installation, greatest possible working safety. An innovative development from Hilti – your partner in construction and mining worldwide.



Hilti injection adaptor

- Attached to drilling motor
- Compact, low-profile design
- Low maintenance
- Quick assembly and disassembly

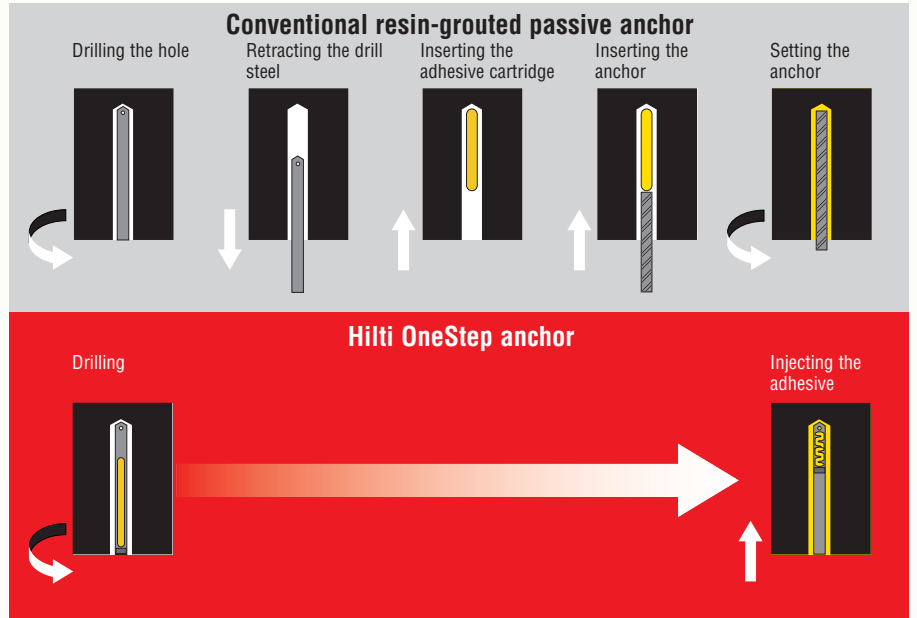
Connector for the Hilti injection adaptor



Adhesive cartridge in steel inner tube for optimum protection during transport and storage

Drill, inject – done!

Comparison with conventional anchors shows clearly that time-consuming and error-prone installation operations have been eliminated. Setting the Hilti OneStep rock anchor is quicker, easier and safer!



Axially shifting mixer ensures correct mixing of adhesive components

Channel for flushing water



**Drill head in various versions:
Precisely matched to various rock
types and drilling methods**

