

# HILTI

Hilti solutions for  
post-installed  
rebar connections

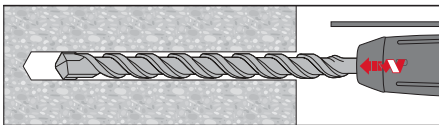


**Simply connected.**

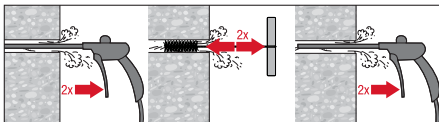
**Hilti. Outperform. Outlast.**



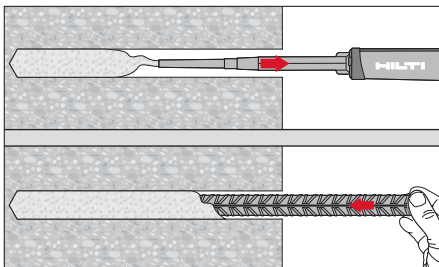
## Fast, easy and reliable rebar connections.



Drill the hole quickly using a Hilti combi-hammer and suitable drill bit.



Clean the hole thoroughly using the cleaning aids from the Hilti Profi Rebar sets.



Inject Hilti HIT mortar conveniently and install rebars reliably.

Hilti revolutionized this segment of the construction industry with the introduction of the mortar injection technique over 25 years ago. Since then, these injectable adhesive mortars have been continuously further developed to form a perfectly matched system for the post-installation of rebar connections.

### Fast

The legendary Hilti combihammers and rotary hammers plus highly efficient Hilti dispensers let you work faster – for longer.

### Easy

Proper hole cleaning is decisive. With the Hilti Rebar sets you have all the rebar installation accessories you need conveniently at hand. Our specialists will be pleased to assist at any time by providing practical advice and tips.

### Reliable

Post-installed reinforcing bars set in Hilti HIT are as secure and reliable as cast-in rebars. Accordingly, Hilti HIT systems have been officially approved for the applicable applications.

### Join the Hilti HIT professionals!




Hilti provides special training on the use of Hilti HIT systems. This helps to ensure that you can easily make post-installed rebar connections in compliance with the applicable building codes.



# A simple solution in 4 easy steps: concrete

## 1. Select the right Hilti HIT injectable adhesive mortar

	Structural applications	   	Non-structural applications
Rebar diameter	8 – 40 mm dia.	8 – 25 mm dia.	8 – 16 mm dia.
Max. embedment depth	< 320 cm	< 200 cm	< 240 cm
Drilling method	Hammer drilling Diamond core drilling	Hammer drilling	Hammer drilling
Temperature of base material	- 5°C*      + 40°C	- 10°C      + 40°C	+ 5°C      + 40°C
Working time	4 h      12 min	3 h      2 min	15 min      1 min
Conditions in the hole	Dry, water-saturated, water-filled, underwater application	Dry or water-saturated	Dry or water-saturated

HIT injectable mortar	Hilti HIT-RE 500	Hilti HIT-HY 150 MAX	Hilti HIT-MM
			

\* Reduced load values at base material temperatures of 5°C to -5°C are listed in the Hilti Anchor Fastening Technology Manual (FTM).

## 2. Select the right Hilti dispenser and cartridge size

Hilti dispenser				
	MD 2000	MD 2500	ED 3500-A	P 8000 D
	Manual		Cordless electric	Pneumatic
Cartridge size	330 ml	330 ml, 500 ml	330 ml, 500 ml	1400 ml



## Rebar + concrete = Hilti HIT system.

### 3. Order with a set of useful accessories

Proper hole cleaning and injection of the mortar without trapping air are decisive factors for compliance with approval requirements. Accordingly, Hilti supplies practical sets\* that include dispensers and accessories needed to ensure dependable connections.

- Round steel brushes
- Extensions
- Piston plugs

\*The items contained vary depending on the applicable set.



### 4. Drill for longer and more reliably - with Hilti combihammers and drill bits

Drill bit diameters  
above 12 mm  
**TE-YX hammer drill bits**



TE 70-ATC



TE 80-ATC



Drill bit diameters  
up to 20 mm  
**TE-C3X hammer drill bits**



TE 30-M-AVR



TE 40-AVR



Holes in the 12 – 35 mm diameter range can also be drilled using Hilti coring machines and diamond core bits.



## For a lasting bond.

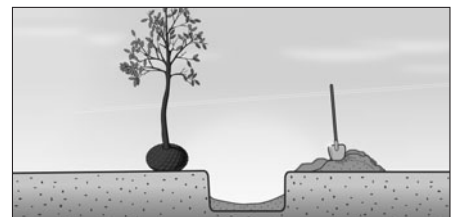
Planting a tree is really quite easy. Use the right tool to dig a suitably-sized hole, clean out the surplus earth and place the tree in the hole. If you then give the young tree enough water it will take root and safely withstand all kinds of stress and strain, possibly even for hundreds of years.

With the Hilti solution, making post-installed rebar connections is just as easy.

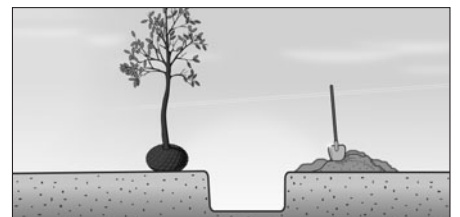
### **As secure as cast-in bars.**

For dependable concrete connections you should rely only on Hilti's well-proven and approved injectable adhesive mortars, simple but effective hole-cleaning aids and powerful rotary hammer drills.

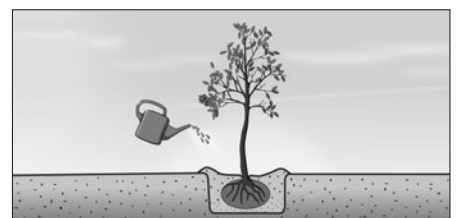
Hilti's highly experienced technical specialists are at your service and will be pleased to answer any questions. You thus have access to over 25 years of practical experience in the field of post-installed rebar connections – experience that will help you achieve extremely reliable connections and maximum cost efficiency.



Dig the hole.



Clean out the hole.



Plant the tree and water it properly.

### Everything you need for fast, easy and reliable post-installed rebar.

#### Design



Hilti PROFIS Rebar puts post-installed rebar connection design and the calculation of overlap and anchorage lengths at your fingertips.

#### Detection



Ferroskan PS 200 for the detection of reinforcing bars in concrete. Reduces the risk of hitting rebars when drilling. Provides accurate localisation, depth and diameter of rebar.

#### Drilling



Drill faster and safer with Hilti combihammers and extra-rugged hammer drill bits, or with Hilti diamond core drilling systems.

#### Cleaning



Hilti HIT Profi Rebar sets keep all the required cleaning accessories conveniently at hand.

#### Cutting



Hilti angle grinders featuring Smart Power and Hilti AC-D cutting discs for cutting rebars to length. Alternatively, use Hilti cordless reciprocating saws for total mobility.

#### Setting



Make a quick, easy, professional job of post-installed rebar connections – with Hilti HIT injectable mortars and efficient Hilti dispensers.

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