

HILTI



Hilti Chemical Anchor Systems

PRODUCTIVE

RELIABLE

SAFE SOLUTIONS



Hilti. Outperform. Outlast.

CHEMICAL ANCHOR TECHNOLOGIES TO SUIT EVERY NEED AND PREFERENCE.


Hilti HIT: versatile solutions for every application.

Hilti injection technology HIT


- Wide range of applications
- Light-duty through to heavy-duty solutions
- Allows flexible anchor design and installation
- Solutions for all base materials



Ultimate performance

- NCC compliant 
- Ultimate bond strength
- Highest level of approvals

Everyday standard

- NCC compliant 
- Versatile all-rounder
- Ideal for "open" specifications

Economical solution

- Versatile all-rounder
- Non safety-critical applications
- Non-structural applications
- Applications not covered in design drawings



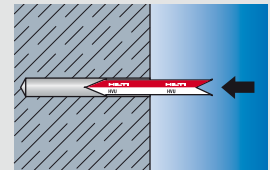
Hilti HVU: simplicity in a capsule and rod system.

Hilti capsule technology HVU

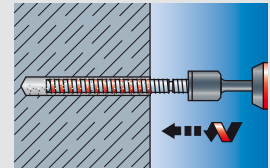
- No dispensing, just insert the foil capsule and drill in the rod
- Minimal hole cleaning and super fast curing for speedy installation
- Convenient for working in small spaces (e.g. facades)
- Small edge distance and spacing
- No wastage
- Foil pack, no glass



Simple, speedy installation



Insert capsule...











Hammer drill rod...

Job done!



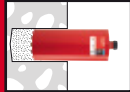
























ALL BASES COVERED.

Hilti's chemical anchor portfolio covers all common base materials.

Base material	Product
<p>Concrete</p> 	 <p>RE 500 V3* RE 100 HY 200* HY 170 HY 10 HVU*</p>
<p>Masonry</p> 	 <p>HY 270 HY 170 HY 10</p>
<p>Natural Stone</p> 	 <p>RE 500 V3 RE 100</p>
<p>Glass</p> 	 <p>HY 270</p>








DIAMOND CORED OR WATER-FILLED HOLES?

No problem for Hilti's premium chemical anchors.

Hammer drilled	Diamond cored	Dry concrete	Wet concrete (no standing water)	Submerged borehole in concrete
  RE 500 V3	  RE 500 V3	  RE 500 V3	  RE 500 V3	  RE 500 V3
 RE 100		 RE 100	 RE 100	 RE 100
 HY 200	 HY 200 + HIT-Z	 HY 200	 HY 200	
 HY 170		 HY 170	 HY 170	
 HY 10		 HY 10	 HY 10	
 HVU		 HVU	 HVU	

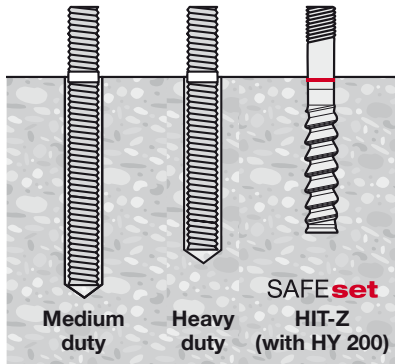
AN ADHESIVE FOR EVERY APPLICATION.

From light-duty through to heavy-duty.






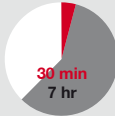








Product	Light Duty	Medium Duty	Heavy Duty
Super fast cure capsule  HVU	[Grey bar]	[Grey bar]	[Grey bar]
Slow cure injection  RE 500 V3  RE 100	[Grey bar]	[Grey bar]	[Grey bar]
Fast cure injection  HY 200 + HIT-Z  HY 200  HY 170  HY 10	[Grey bar]	[Grey bar]	[Grey bar]

**When time is money,
choose SAFEset
HY 200 + HIT-Z**

- ✓ Same load capacity
- ✓ Less mortar
- ✓ Less rebar hits
- ✓ Less drill time, less drill bits
- ✓ Shorter rod




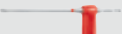



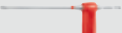


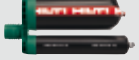



Scan code to
download the
Resin Volume
Estimator app

Super Fast Cure	Fast Cure	Slow Cure
 <p>HVU</p>  <p>0 min 20 min</p>	 <p>HY 200</p>  <p>9 min 60 min</p>	 <p>RE 500 V3</p>  <p>30 min 7 hr</p>
	 <p>HY 170</p>  <p>5 min 90 min</p>	 <p>RE 100</p>  <p>25 min 12 hr</p>
	 <p>HY 10</p>  <p>5 min 45 min</p>	
	 <p>HY 270</p>  <p>4 min 30 min</p>	
<p>Key</p> <ul style="list-style-type: none"> ■ Working time ■ Curing time at 20° C 		
Allows the most immediate loading after setting.	Allows fast loading for standard rod sizes e.g. hold down bolts, starter bars	Allows longer working time for large diameters and deep embedment depths e.g. rebar

ADVANCED SYSTEMS.

All backed by European approvals (ETA) and certifications.

Product	SAFEset features			ETA for uncracked concrete	ETA for cracked concrete	ETA for brick	ETA for Seismic	Fire tested	Low VOC to Green Star standards
	Auto-cleaning with hollow drill bit	Zero cleaning with HIT-Z rod	Roughening tool for cored holes						
HVU 				✓				✓	✓
RE 500 V3 				✓	✓		✓	✓	✓
RE 100 				✓	✓				✓
HY 200 				✓	✓		✓	✓	✓
HY 170 				✓	✓	✓			✓
HY 10 									✓
HY 270 						✓		✓	✓






SAFEset For the ultimate in productivity, reliability and safety.

To ensure you comply with the National Construction Code (NCC), ask for the ETA documentation for the selected anchor.



PRODUCTIVITY, FLEXIBILITY, SIMPLICITY.

The Hilti rod portfolio offers all this and more.

HIT-Z	HIT-V	HIS-N	HAS-E	Rebar*
<p>SAFEset</p> 				
<ul style="list-style-type: none"> • With HIT-HY 200 only 	<ul style="list-style-type: none"> • All injection adhesives (HIT) 	<ul style="list-style-type: none"> • Capsule system (HVU) • All injection adhesives (HIT) 	<ul style="list-style-type: none"> • Capsule system (HVU) • All injection adhesives (HIT) 	<ul style="list-style-type: none"> • All injection adhesives (HIT)
<ul style="list-style-type: none"> ✓ High end load performance ✓ NO hole cleaning required for maximum time saving ✓ Less embedment, less mortar 	<ul style="list-style-type: none"> ✓ Variable diameters, lengths and steel grades ✓ Flexible embedment depths ✓ Rod size imprint for quality control 	<ul style="list-style-type: none"> ✓ Internal thread to allow bolting and reusability of fixing ✓ Flush fixing finish ✓ Chisel point 	<ul style="list-style-type: none"> ✓ Simple setting ✓ Easy check due to embedment mark ✓ Chisel point 	<ul style="list-style-type: none"> ✓ Higher bond strength than cast-in ✓ Optimised embedment
<p>▶ Save time and money</p>	<p>▶ The allrounder</p>	<p>▶ Internal thread</p>	<p>▶ Fast and easy</p>	<p>▶ HIT rebar method</p>

* Rebar not supplied by Hilti

FASTER AND SAFER INSTALLATION.

Hilti dispensers speed up the job and make injecting easy and safe.



Dosing knob for accurate borehole filling and no mortar wastage

HDE 500-A22 The battery dispenser

- Speedy dispensing without compromising safety
- Up to 3 times faster than manual dispensing with no dripping
- Performance : ~ 700ml/ min
- Suits 500ml and 330ml tubes

Work continuously without getting tired

Battery compatible with all Hilti 22 volt cordless tools.



HDM 500 The manual dispenser



- Robust and reliable
- Ergonomic design for easy handling
- Suits 500ml and 330ml tubes

HDM 330 The lightweight manual dispenser



- Where light weight is required or work space is limited
- Suits 330ml tubes

P 8000 D The pneumatic dispenser



- For speedy dispensing in large diameter holes
- Performance ~ 20 sec for 1400ml tube

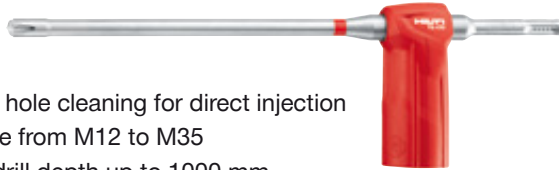
RELIABLE, SAFE AND EASY.

Hilti chemical anchoring accessories.

No hole cleaning

Dustless and reliable setting, using Hilti SAFEset auto-cleaning feature of the hollow drill bit

SAFEset

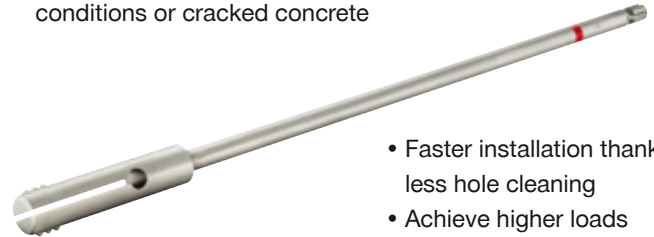


- Automatic hole cleaning for direct injection
- Wide range from M12 to M35
- Available drill depth up to 1000 mm
- NCC compliant only with HVU capsule, RE 500 V3 and HY 200

Fast installation in cored holes

SAFEset

Roughen diamond cored holes for seismic conditions or cracked concrete



- Faster installation thanks to less hole cleaning
- Achieve higher loads
- NCC compliant only with RE 500 V3

Hole cleaning accessories

For manual and machine cleaning



- ≤ Ø 28mm
- ≤ 250mm depth



- ≤ Ø 55mm
- All hole depths

Secure injection

Total installer safety and reliable setting with Hilti piston plugs and drip guards for overhead anchoring



- No air bubbles
- No mortar blow out
- Less mortar



- No dripping

10 REASONS TO CHOOSE HILTI.

All you need to know about Hilti chemical anchors.

1

Service and advice when and where you need it



2

Hilti anchors comply with SA TS 101:2015 and the National Construction Code



3

Unique foil pack minimises mortar wastage



4

Work dustless with the SAFEset system for a healthy working environment



5

The most reliable, fastest and safest installation method around

SAFEset

6

Battery dispenser allows safe, fast, repetitive use



7

On-site anchor testing ensures the highest quality end result



8

Volume Calculator App tells you exactly how much chemical you need



9

Low VOC levels are Green star compliant



10

Full engineering support and software to ensure the job is done right



PROFIS ANCHOR SOFTWARE.

Anchor design made easy.

Our state of the art PROFIS Anchor software assists planners and specifiers make the necessary calculations to design anchors for their applications with simplicity and certainty.

Simplicity

- Easy to use visual software makes it easy to model your exact application
- Full access to Hilti's BIM/CAD objects integrated within the software
- Detailed design reports created automatically to provide your project documentation
- Automatic software updates ensure you are always working with the most current product approvals and latest design methods



For sales and information T 131 292 | www.hilti.com.au

Certainty

- Compliant with the National Construction Code and standard SA TS 101:2015 Design of post-installed and cast-in fastenings for use in concrete
- Filter ETA pre-qualified products by intended use in accordance with SA TS 101:2015, for easy selection of the right anchor product with the right ETA approval
- Meet design challenges which fall outside the scope of SA TS 101:2015, such as seismic design with seismically approved anchors
- Access to SOFA and FIB allows a wider range of standard anchor layouts as well as the ability to design fully customised layouts
- Other design methodologies such as ETAG and ACI can also be used
- Full support from Hilti Field Engineers nationwide



Scan code to learn more about PROFIS Anchor software

COMPARE OUR RANGE.

Chemical anchor quick comparison chart.

	HVU capsule	RE 500 V3	RE 100	HY 200	HY 170	HY 10	HY 270
Type	Capsule	Epoxy adhesive	Epoxy adhesive	Hybrid mortar	Hybrid mortar	Hybrid mortar	Hybrid mortar
Load	High	Ultimate	High	Ultimate	High	Medium	High
Base materials	Concrete	Concrete, Natural stone	Concrete, Natural stone	Concrete	Concrete, Masonry	Concrete, Masonry	Masonry, Glass
Curing	Super fast	Medium	Slow	Fast	Fast	Fast	Fast
Hammer drilling	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Diamond coring		Yes		Yes (with HIT-Z)			
Concrete dry, wet	Yes	Yes	Yes	Yes	Yes	Yes	
Concrete under water		Yes	Yes				
Approvals:							
ETA concrete: non-cracked	Yes	Yes	Yes	Yes	Yes		
ETA concrete: cracked		Yes		Yes			
ETA masonry					Yes		Yes
ETA seismic		Yes		Yes			
Fire rating	Yes	Yes		Yes			Yes
Green Star	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SAFEset	Yes	Yes		Yes			
Dispensing		Easy	Easy	Easy	Easy	Easy	Easy
Wastage	None	Low	Low	Low	Low	Low	Low
Odour	None	Low	Low	Low	Low	Low	Low
Installation time	Super Fast	Very Fast	Fast	Very Fast	Fast	Fast	Fast
Cost	\$\$\$	\$\$\$	\$\$	\$\$\$	\$\$	\$	\$\$\$
Sizes	Capsule	330 ml 500 ml 1400 ml	330 ml 500 ml 1400 ml	330 ml 500 ml	330 ml 500 ml	330 ml 500 ml	330 ml

HOW TO GET IN TOUCH.

There are a number of ways to contact Hilti.

Customer Service

Customer Service representatives are available Monday to Friday from 7:30am to 5:00pm.

Call: 131 292 Fax: 1300 135 042 Email: serviceaustralia@hilti.com

Hilti Centres

With stores located nationally, you can receive professional advice on products and applications.

Visit: www.hilti.com.au to find your nearest Hilti Centre.

Hilti Online

7 days a week, 24 hours a day. Use the website at your own convenience during and after office hours, with quick access to product information and pricing. Order online, review your order history, find technical information and more. Take advantage of our free delivery for online ordering today!

Visit: www.hilti.com.au

Account Managers

Professionally trained Account Managers are readily available nationwide, to visit your place of work, where and when you want. By arranging a visit to you, they can help evaluate your job requirements and suggest ways to increase your productivity and profitability.

Call: 131 292

Field Engineers

Our experienced engineers ensure the job gets done right, the first time. Available on-site, they offer technical support for complex applications, training and site-testing.

Call: 131 292 Email: serviceaustralia@hilti.com

Hilti. Outperform. Outlast.

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