



# PRODUCTIVE, RELIABLE, SAFE SOLUTIONS

**Chemical and Mechanical  
Anchor Systems**





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# CHEMICAL ANCHOR SYSTEMS YOU CAN TRUST

## **Hilti Chemical Anchor Systems**

For a specifier or installer of anchoring connections, ensuring the safety and longevity of the build is paramount. That's why our products undergo extensive trials and technical assessments.

We offer a full suite of ETA assessed chemical anchoring solutions to suit every application from basic through to the most complex and challenging. Our wide range of injectable and capsule adhesive systems provide reliable solutions for fastening threaded rods, rebars and other elements to concrete, masonry and natural stone.


Our products are backed by an extensive array of technical resources including software, ETA documentation, technical data, installation instructions and videos.



# CHEMICAL ANCHOR TECHNOLOGIES TO SUIT ALL NEEDS

The Hilti chemical  
anchor portfolio

## Ultimate performance

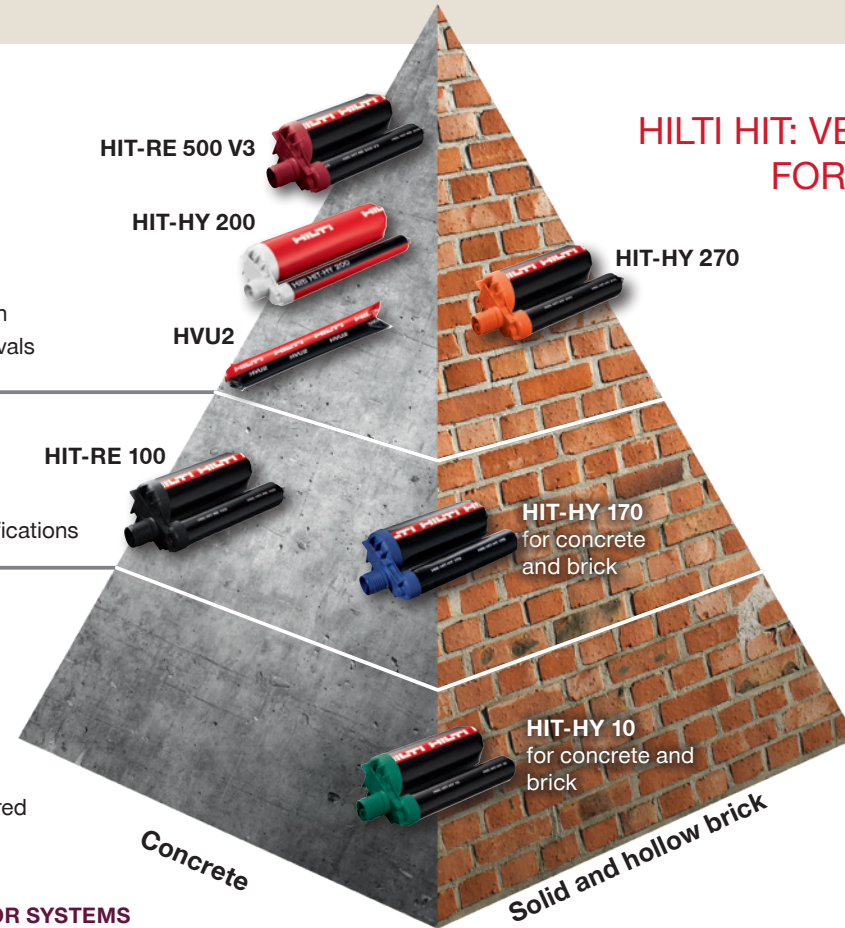
- NCC compliant 
- Ultimate bond strength
- Highest level of approvals

## 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 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

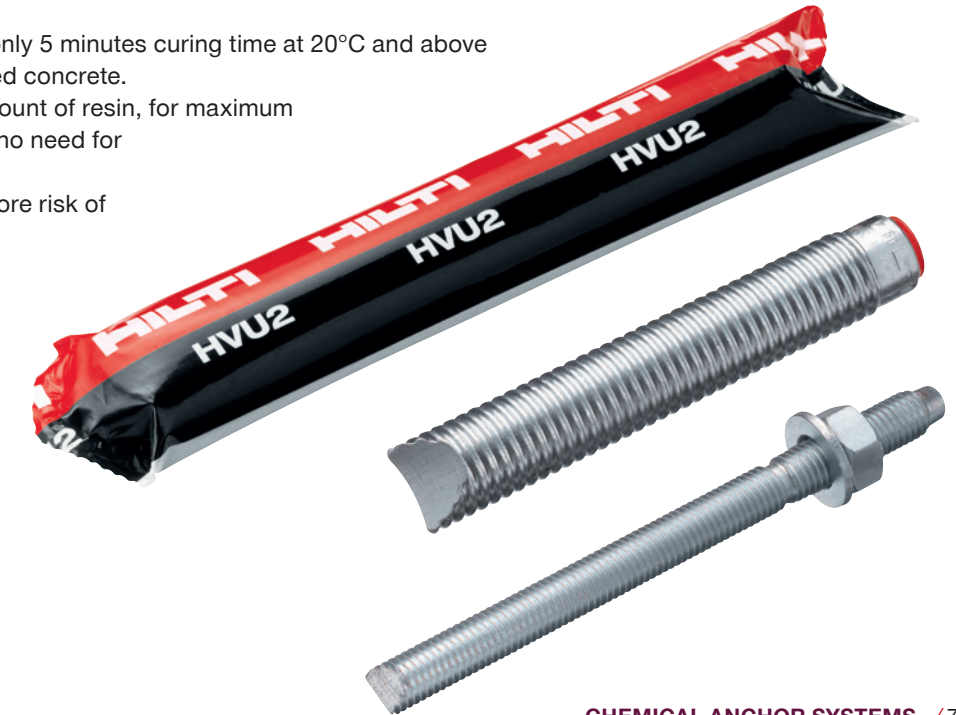
# CHEMICAL ANCHOR TECHNOLOGIES TO SUIT ALL NEEDS

The Hilti chemical  
anchor portfolio

## HILTI HVU2: SIMPLICITY IN A CAPSULE AND ROD SYSTEM












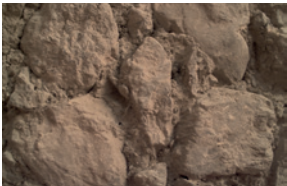




### Hilti capsule technology HVU2

- Anchors can be loaded almost instantly – only 5 minutes curing time at 20°C and above
- High performance in cracked and uncracked concrete.
- Each capsule contains exactly the right amount of resin, for maximum efficiency and economy – no wastage and no need for complex calculations
- Tough and resilient soft foil capsule – no more risk of breakage, like with glass capsules


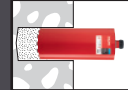





































ALL BASES COVERED / Chemical anchors for all common base materials

Base material		Product
Concrete		<div></div> <div>RE 500 V3*   RE 100   HY 200*   HY 170   HY 10   HVU2*</div> <div>* Small edge distance and spacing</div>
Masonry		<div></div> <div>HY 270   HY 170   HY 10</div>
Natural Stone		<div></div> <div>RE 500 V3   RE 100</div>
Glass		<div></div> <div>HY 270</div>

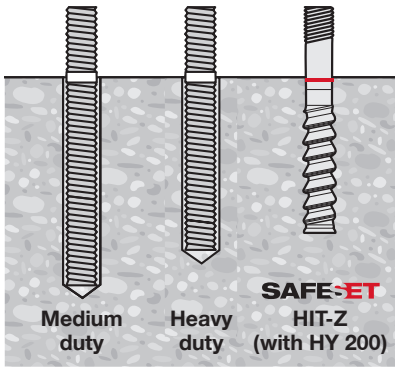
DIAMOND CORED OR WATER-FILLED HOLES? / No problem for our premium chemical anchors

Hammer drilled	Diamond cored	Dry concrete	Wet concrete (no standing water)	Submerged borehole in concrete
				
 <div>RE 500 V3</div>	 <div>RE 500 V3</div>	 <div>RE 500 V3</div>	 <div>RE 500 V3</div>	 <div>RE 500 V3</div>
 <div>RE 100</div>		 <div>RE 100</div>	 <div>RE 100</div>	 <div>RE 100</div>
 <div>HY 200</div>	 <div>HY 200 + HIT-Z</div>	 <div>HY 200</div>	 <div>HY 200</div>	
 <div>HY 170</div>		 <div>HY 170</div>	 <div>HY 170</div>	
 <div>HY 10</div>		 <div>HY 10</div>	 <div>HY 10</div>	
 <div>HVU2</div>	 <div>HVU2</div>	 <div>HVU2</div>	 <div>HVU2</div>	

	Product	Light Duty	Medium Duty	Heavy Duty
Super fast cure capsule	 HVU2			
Slow cure injection	 RE 500 V3  RE 100			
Fast cure injection	 HY 200 + HIT-Z  HY 200  HY 170  HY 10			

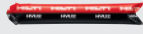


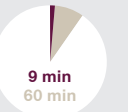



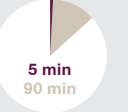

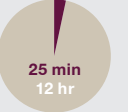

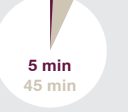

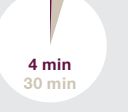
When time is money, choose  
SAFESET HY 200 + HIT-Z

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




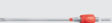




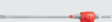







Download the Volume Calculator app from  
Google Play or the App Store



Super Fast Cure	Fast Cure	Slow Cure
 HVU2 	 HY 200 	 RE 500 V3 
	 HY 170 	 RE 100 
	 HY 10 	
	 HY 270 	
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.








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						
HVU2 				■	■		■	■	■
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.



HIT-Z	HIT-V	HIS-N	HAS-E	Rebar*
 <ul style="list-style-type: none"> <li>• With HIT-HY 200 only</li> </ul>	 <ul style="list-style-type: none"> <li>• All injection adhesives (HIT)</li> </ul>	 <ul style="list-style-type: none"> <li>• Capsule system (HVU2)</li> <li>• All injection adhesives (HIT)</li> </ul>	 <ul style="list-style-type: none"> <li>• Capsule system (HVU2)</li> <li>• All injection adhesives (HIT)</li> </ul>	 <ul style="list-style-type: none"> <li>• All injection adhesives (HIT)</li> </ul>
<ul style="list-style-type: none"> <li>• High end load performance</li> <li>• NO hole cleaning required for maximum time saving</li> <li>• Less embedment, less mortar</li> </ul>	<ul style="list-style-type: none"> <li>• Variable diameters, lengths and steel grades</li> <li>• Flexible embedment depths</li> <li>• Rod size imprint for quality control</li> </ul>	<ul style="list-style-type: none"> <li>• Internal thread to allow bolting and reusability of fixing</li> <li>• Flush fixing finish</li> <li>• Chisel point</li> </ul>	<ul style="list-style-type: none"> <li>• Simple setting</li> <li>• Easy check due to embedment mark</li> <li>• Chisel point</li> </ul>	<ul style="list-style-type: none"> <li>• Higher bond strength than cast-in</li> <li>• Optimised embedment</li> </ul>
► Save time and money	► The allrounder	► Internal thread	► Fast and easy	► HIT rebar method

\* Rebar not supplied by Hilti

## FASTER AND SAFER INSTALLATION / Our dispensers speed up the job and make injecting easy and safe



### 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

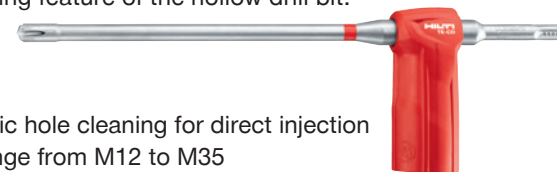


- For speedy dispensing in large diameter holes
- Performance ~ 20 sec for 1400ml tube

## RELIABLE, SAFE AND EASY / Chemical anchor accessories

### No hole cleaning

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



- Automatic hole cleaning for direct injection
- Wide range from M12 to M35
- Available drill depth up to 1000 mm
- NCC compliant only with HVU2 capsule, RE 500 V3, HY 200, RE 100 & HY170.

### Hole cleaning accessories

For manual and machine cleaning.



- ≤ Ø 55mm
- All hole depths

### Fast installation in cored holes

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

### 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



# YOUR FIRST CHOICE CHEMICAL ANCHORS / Why choose Hilti

1

Hilti anchors comply with AS 5216:2018 (SA TS 101) and the National Construction Code



2

Work dustless with the SAFESET system for a healthy working environment



3

Battery dispenser allows safe, fast, repetitive use



4

Unique foil pack minimises mortar wastage



5

Volume Calculator App tells you exactly how much chemical you need



6

Low VOC levels are Green Star compliant



# COMPARE OUR RANGE / Chemical anchor quick comparison chart

	HVU2	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	Ultimate	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		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	Yes	Yes	Yes		
ETA masonry					Yes		Yes
ETA seismic	Yes	Yes		Yes			
Fire rating	Yes	Yes		Yes			Yes
Green Star	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SAFESET	Yes	Yes	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	500 ml	330 ml 500 ml	330 ml 500 ml	330 ml 500 ml	330 ml



# MECHANICAL ANCHOR SYSTEMS YOU CAN TRUST

## **Hilti Mechanical Anchor Systems**

Our extensive range of mechanical anchors covers fixings for all kinds of base materials, from concrete and precast panels through to masonry and hollow blocks. We have fastening solutions for different environments and applications.

And for your peace of mind, our anchors are proven to provide the strongest solution for safety critical applications - fully backed by technical documentation, software and engineering services.



# MECHANICAL ANCHORS TO SUIT ALL NEEDS

The Hilti mechanical anchor portfolio

## ULTIMATE PERFORMANCE



## EVERYDAY USE



## ECONOMICAL

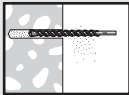
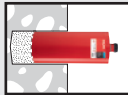
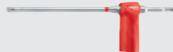


# ALL BASES COVERED

















A mechanical anchor for every base material

Base material	Product
Uncracked concrete	<p><b>ALL MECHANICAL ANCHORS</b> Excluding anchors for use in plaster board</p>
Cracked concrete*	<p>HDA, HSC, HSL-3, HMU (HDG), HST-3, HUS3-P, HUS 3-H, HUS 3-C, HKD, HRD, HRD-H, DBZ, HUS 3-I, HUS3-I Flex, HUS 3-A</p>
Masonry	<p>HRD-C, HRD-H, HPS, HT, HUD-1, HUS-6, HUS 3-H, HUS 3-C, IDP, HLC, HUS3-P, HUS 3-I, HUS 3-A</p>
Hollow brick	<p>HLD, HPS, HRD, HT, HUD-1, HUS-6, IDP</p>
Plasterboard / Drywall	<p>HTB, HHD, HLD, HUD-1, HSP</p>

SOLUTIONS FOR SPECIAL CONDITIONS / Diamond cored, dustless or reusable

	Hammer drilled	Diamond cored	SAFE-SET	Reliable and fast setting system	Completely removable	Reusable anchor
						
ULTIMATE PERFORMANCE	ALL MECHANICAL ANCHORS	HST-3  HSL-3	HST-3	HDA HSC HMU (HDG) Setting tool Stop drill bit	HDA	
EVERYDAY USE	ALL MECHANICAL ANCHORS	HSA	HUS 3-H Only for 14mm	HSA HKD short Setting tools Setting tool	HUS 3-A HUS 3-C HUS 3-H HUS 3-I	HUS 3-H
ECONOMICAL	ALL MECHANICAL ANCHORS				HUS-V HUS3-P	HUS-V


BEST IN CLASS / From economical to ultimate performance

		ECONOMICAL	EVERYDAY USE	ULTIMATE PERFORMANCE
	Product	Light Duty	Medium Duty	Heavy Duty
				
Undercut anchors	 			
	 			
Screw anchors	 			
	  			
Expansion anchor	  			
	  			
Plastic anchor				




Product	COMPLIANCE TO AS 5216		SAFETY BEYOND AS 5216 – MAXIMUM PROTECTION IN EXTREME CONDITIONS					
	ETA for anchoring	ETA for cracked concrete	Seismic approvals C1 (ETA)	Seismic approvals C2 (ETA)	Seismic approvals (engineering judgement)	Shock approval	Fatigue approval	Fire approval
HDA	■	■	■	■		■	■	■
HSL3	■	■	■	■		■	■	■
HST3	■	■	■	■		■		■
HMU-PF	■	■	■			■	■	■
HSC	■	■				■		■
HUS3*	■	■	■	■				■
HUS3-I / HUS3-A / HUS3-H6**	■	■			■			■
HSA	■							■
HKD**	■							■
DBZ**	■							■
HRD**	■							■

HST3 SETTING WITH SIW-6AT IMPACT WRENCH




ADD THE SI-AT-A22 “BRAIN” TO COMPLETE THE SMART SYSTEM




+





EASY INSTALLATION DOCUMENT DOWNLOAD



↓







**SAFESET**  

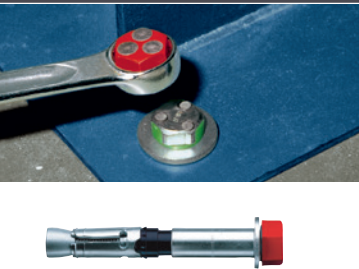
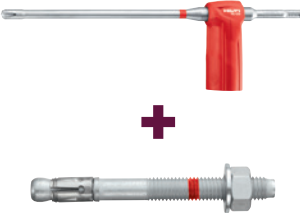
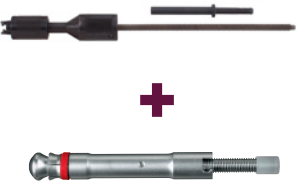
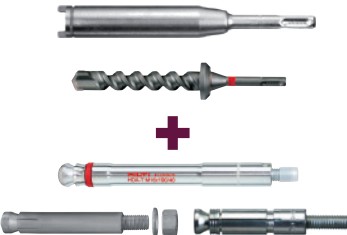
The SI-AT-A22 module guarantees a more productive and safe installation method.

The installation documentation reports the actions performed.

## FASTER INSTALLATION / Setting tools for greater productivity











Setting tool for HSA anchors	Setting tool for HKD anchors	Checking gauge for HUS anchors	Setting system for HUS anchors
			
<ul style="list-style-type: none"> <li>• With stud anchors HSA, HSA-F &amp; HSA-R</li> </ul>	<ul style="list-style-type: none"> <li>• With all the short HKD's</li> </ul>	<ul style="list-style-type: none"> <li>• With all the screw anchors &gt; 6mm diameter</li> </ul>	<ul style="list-style-type: none"> <li>• With all the screw anchors</li> </ul>
<ul style="list-style-type: none"> <li>• No over or under torquing</li> <li>• SIW impact wrench with torque bar for setting anchors quickly and reliably</li> </ul>	<ul style="list-style-type: none"> <li>• Reduces the risk of rebar hits when drilling</li> <li>• Drilling and setting with one tool</li> <li>• No need to change tools</li> <li>• Holes always drilled to the correct depth</li> </ul>	<ul style="list-style-type: none"> <li>• Verified reusability</li> <li>• Check anchor performance with HRG check gauge</li> </ul>	<ul style="list-style-type: none"> <li>• Fast Installation</li> <li>• Cutting edge geometry for superior setting</li> </ul>
► Save time and money	► Safe and productive	► Safe	► Productive

## FLAWLESS INSTALLATION / Installation tools for greater safety

Torque controlled HSL3-B	SafeSet system with HST3	Disassembly tool for HDA	Setting tool for undercut anchors HDA, HSC & HMU-PF
			
<ul style="list-style-type: none"> <li>• With HSL3-B (Red cap)</li> </ul>	<ul style="list-style-type: none"> <li>• With Stud anchor HST3</li> </ul>	<ul style="list-style-type: none"> <li>• With HDA anchor</li> </ul>	<ul style="list-style-type: none"> <li>• With all undercut anchors</li> </ul>
<ul style="list-style-type: none"> <li>• Reduces the risk of wrong torque during installation</li> <li>• Visual check for correct setting (Red cap)</li> </ul>	<ul style="list-style-type: none"> <li>• Dustless</li> <li>• Peace of mind</li> </ul>	<ul style="list-style-type: none"> <li>• Easy and fast removal process</li> <li>• Anchor will be completely removed, no steel part left in the concrete</li> </ul>	<ul style="list-style-type: none"> <li>• Achieves consistent drilled hole depth for proper installation of undercut anchors</li> <li>• Length and diameter matched to each anchor size for maximum confidence in every fastening point</li> </ul>
► Safe and productive	► Safe and fast	► Flexible	► Fast and accurate


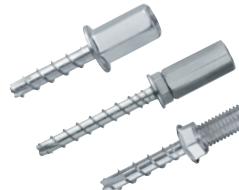







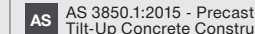
# HIGH PERFORMANCE ANCHORS

Strongest solutions for safety critical applications

HDA	HSC	HSL	HMU	HST3
				
<b>HDA-P, HDA-PR</b> (pre-setting) <b>HDA-T, HDA-TR</b> (through setting)	<b>HSC-I</b> (internal thread) <b>HSC-A</b> (external thread)	<b>HSL3-B</b> (red cap) <b>HSL-3, HSL-G, HSL-GR</b> (nut and bolt) <b>HSL-3 BW</b> (big washer)	<b>HMU-PF</b>	<b>HST3</b> <b>HST3-R</b>
				
<ul style="list-style-type: none"> <li>Heavy-duty fastenings for all dynamic loading (shock, seismic and fatigue) in cracked or uncracked concrete</li> <li>Self-undercutting facilitates fast and reliable installation</li> <li>Close spacing and small edge distance</li> </ul>	<ul style="list-style-type: none"> <li>High loads at shallow embedment, small edge distances and close spacing</li> <li>Self-undercutting facilitates fast and reliable installation</li> <li>Excellent dynamic and shock load resistance</li> </ul>	<ul style="list-style-type: none"> <li>Special safety red cap ensures the correct installation torque</li> <li>High variety of head configuration provides more flexibility</li> <li>Suitable for applications with high shear and tensile loads</li> </ul>	<ul style="list-style-type: none"> <li>High performance undercut with a hot-dip galvanised coating for protection against corrosion</li> <li>Self-undercutting facilitates fast and reliable installation</li> <li>Simple verification of correct setting with red mark</li> </ul>	<ul style="list-style-type: none"> <li>Highest tensile and shear load performance</li> <li>One solution for multiple conditions: new concrete to old structures, diamond core, dustless installation</li> <li>Greater flexibility with thin slabs due to two embedment depths</li> <li>Close to slab edge and smallest spacing</li> </ul>















# EVERYDAY ANCHORS

Approved solutions for day to day applications

HUS3-H/C	HUS3-I/A/P	HSA	HKD	HBI
				
<b>HUS3-H, HUS3-HF, HUS-HR, HUS3-C, HUS-CR</b>	<b>HUS3-I</b> <b>HUS3-I Flex</b> <b>HUS3-A</b> <b>HUS3-P</b>	<b>HSA, HSA-F, HSA-R</b>	<b>HKD, HKD-SR</b> <b>HKD-D</b> <b>HKD-ER</b>	<b>HBI</b>
				
<ul style="list-style-type: none"> <li>Fast and easy installation</li> <li>Completely removable</li> <li>Adjustable</li> <li>Small spacing and edge distance</li> <li>Safety through verified reusability</li> <li>Nice head finish</li> </ul>	<ul style="list-style-type: none"> <li>50% faster than traditional flush anchors</li> <li>Shallow embedment depth and closer to edge</li> <li>Easy setting thanks to cutting edge</li> <li>Can be removed</li> <li>ETA approved for prestressed hollow core slabs</li> </ul>	<ul style="list-style-type: none"> <li>Safe and fast hammering with the HS-SC tool</li> <li>The only stud anchor to be installed with impact wrench: fast, convenient and reliable torqueing with the torque bar</li> <li>Best performance for uncracked concrete</li> <li>3 embedment depths offering maximum flexibility</li> </ul>	<ul style="list-style-type: none"> <li>Flared end for accurate setting flush with the surface, independent of the hole depth</li> <li>Ideal for repetitive fastening with threaded rods of equal length</li> <li>Anchor and setting tool provides faster installation</li> <li>ETA approved for prestressed hollow core slabs (HKD short only)</li> </ul>	<ul style="list-style-type: none"> <li>For temporary bracing of precast and tilt up application</li> <li>Tested in accordance with Australian standard AS 3850.1:2015</li> </ul>



## ECONOMICAL ANCHORS / Efficient solutions for a variety of conditions

HRD-H/C	HPS	HTB	DBZ	HUS6	HUS-V	HSV
						
HRD-H, HRD-HF, HRD-HR, HRD-C, HRD-CR 	HPS-1, HSP-1R  Hilti Technical Manual	HTB, HTB-S  Hilti Technical Manual	DBZ 	HUS6  Hilti Technical Manual	HUS-V  Hilti Technical Manual	HSV, HSV-F  Hilti Technical Manual
<ul style="list-style-type: none"> <li>Flexibility to use with many base materials</li> <li>No spinning in the borehole</li> <li>Flexible embedment depth</li> <li>Wide range of fastening thickness</li> <li>Double thread for high loads in hollow materials</li> </ul>	<ul style="list-style-type: none"> <li>For universal use on many materials, including perforated brick and block</li> <li>The hammer-driven screw can be driven or unscrewed using a screwdriver</li> <li>Quick impact installation using a hammer</li> </ul>	<ul style="list-style-type: none"> <li>Designed for hollow base material</li> <li>Simple setting process</li> <li>Flexible embedment depth</li> <li>Removable screw: toggle stays in place</li> </ul>	<ul style="list-style-type: none"> <li>Simple and fast through-fastening</li> <li>Impact expansion by hammering in, no setting tool is needed</li> <li>Reliable setting thanks to the simple visual check</li> </ul>	<ul style="list-style-type: none"> <li>Wide range of lengths available</li> <li>Quick and easy to set</li> </ul>	<ul style="list-style-type: none"> <li>Fast and easy installation</li> <li>Completely removable</li> <li>Small spacing and edge distance</li> <li>Safety through verified reusability</li> </ul>	<ul style="list-style-type: none"> <li>Two embedment depths for a wide range of fastening thicknesses</li> <li>Setting mark for easy checking of correct installation depth</li> <li>Raised impact section prevents thread damage during installation</li> </ul>

## OTHER ANCHORS / Solutions for light duty fixing

HUD	HLD	HFP	HSP	HLC
				
HUD-1  Hilti Technical Manual	HLD  Hilti Technical Manual	HFP, HFP-S  Hilti Technical Manual	HSP, HSP-S  Hilti Technical Manual	HLC, HLC-H, HLC-SK, HLC-T, HLC-EC, HLC-EO  Hilti Technical Manual
HD	HT	HHD	HCA	IDP & IN
				
HD  Hilti Technical Manual	HT  Hilti Technical Manual	HHD-S  Hilti Technical Manual	HCA  Hilti Technical Manual	IDP, IN  Hilti Technical Manual



HAT 28 Elevator  
HAT 28 E



Effective span of load-spreading bridge: 207 mm

HAT 28 Master Kit  
HAT 28 M



Effective span of load-spreading bridge: 118 mm

HAT 28  
HAT 28 SR



Effective span of load-spreading bridge: 207 mm

HAT 28 E / HAT 28 M / HAT 28 SR

Complete systems including accessories, packed in an impact resistant aluminium case

- Test load can be read directly from the gauge
- Suitable for testing anchors with various head forms and of various diameters
- Compact and easy-to-use

Anchor type		Undercut anchors			Expansion anchors				
		HDA	HMU-PF	HSC	HSL-3	HST3	HST2	HSA	HSV
Anchor size		M10-M20	M8-M20	M6-M12	M8-M24	M8-M24	M8-M16	M6-M20	M8-M16
BASE MATERIAL	Cracked concrete	■	■	■	■	■	■		
	Non cracked concrete	■	■	■	■	■	■	■	■
	Lightweight concrete								
	Aerated concrete								
	Solid brick masonry								
	Hollow brick masonry								
	Drywall								
APPROVALS	Redundant fastening								
	European Technical approval (ETA)	■	■	■	■	■	■	■	
	ETA seismic C1	■	■		■	■			
	ETA seismic C2	■			■	■			
	Fatigue approval*	■			■				
	Shock approval*	■		■	■				
SPECIFICATION	Fire tested	■	■	■	■	■	■	■	
	Steel, galvanised	■	■	■	■	■	■	■	■
	Steel, hot-dipped galvanised	■	■					■	■
	Stainless steel A2							■	
	Stainless steel A4	■		■	■	■	■	■	
	External thread	■	■	■	■	■	■	■	■
SETTING	Internal thread			■					
	Pre-setting	■	■	■	■	■	■	■	
	Through-fastening	■			■	■	■	■	■
Profis		■	■	■	■	■	■		

\*Local approvals

Anchor type		Screw anchors					Flush anchors		
		HUS3	HUS3 REDUNDANT	HUS-HR HUS-CR	HUS-V	HUS 6	HKD	HKD REDUNDANT	HKV
Anchor size		6, 8, 10, 14	6	HUS-HR: 6, 8, 10, 14 HUS-CR: 8, 10	8, 10	6	M6-M20	M6-M16	M16 x 65
BASE MATERIAL	Cracked concrete	■	■	■	■	■		■	
	Non cracked concrete	■	■	■	■	■	■	■	■
	Lightweight concrete								
	Aerated concrete	■	■	■		■			
	Solid brick masonry	■	■	■		■			
	Hollow brick masonry					■			
APPROVALS	Drywall								
	Redundant fastening		■			■		■	
	European Technical approval (ETA)	■	■	■			■	■	
	ETA seismic C1	■		■					
	ETA seismic C2	■							
	Fatigue approval*								
SPECIFICATION	Shock approval*								
	Fire tested	■	■	■		■		■	
	Steel, galvanised	■	■	■	■	■	■	■	
	Steel, hot-dipped galvanised	■							
	Stainless steel A2						■	■	
	Stainless steel A4			■			■		
SETTING	External thread	■	■						
	Internal thread	■	■			■	■	■	■
	Pre-setting						■	■	■
	Through-fastening	■	■	■	■	■			
	Profis	■		■			■		

Anchor type		Plastic anchors											
		HRD	HPS-1	HUD-1	HUD-L	HLD	DBZ	HLC	HT	HCA	HHD-S	HSP/HFP	HTB
Anchor size		M8-M10	M4-M8	M5-M14	M6-M10	M10	M6	M5-M16	M8-M10	1/2"	M4-M8	M4,5	M5-M6
BASE MATERIAL	Cracked concrete												
	Non cracked concrete	■	■	■	■	■	■	■	■	■			
	Lightweight concrete	■		■	■				■				
	Aerated concrete	■	■	■	■				■				
	Solid brick masonry	■	■	■	■	■		■	■				■
	Hollow brick masonry	■	■	■	■	■			■				■
APPROVALS	Drywall			■	■						■	■	■
	Redundant fastening	■					■						
	European Technical approval (ETA)	□					□						
	ETA seismic C1												
	ETA seismic C2												
	Fatigue approval*												
SPECIFICATION	Shock approval*												
	Fire tested	■					■	■	■				
	Steel, galvanised	■	■				■	■	■	■	■	■	
	Steel, hot-dipped galvanised	■											
	Stainless steel A2	■	■										
	Stainless steel A4												
SETTING	External thread							■					
	Internal thread										■		
	Pre-setting			■	■	■		■			■	■	■
	Through-fastening	■	■	■	■		■	■	■				





# SERVICE AND SOFTWARE

## **Hilti Service and Software**

We make your projects easier, safer and more productive by automating complex calculations and reducing the need for in-depth engineering expertise. Our design software solutions are based on tested and approved Hilti technologies and international codes to ensure you safely and reliably design applications.

Our team of engineers will work with you on-site and on the phone across Australia.



We provide expert advice, when and where you need it



Our on-site anchor testing ensures the quality and safety of the end result



Hilti anchors comply with AS 5216:2018 (SA TS 101) and the National Construction Code



Profis software ensures the ideal solution for the application design



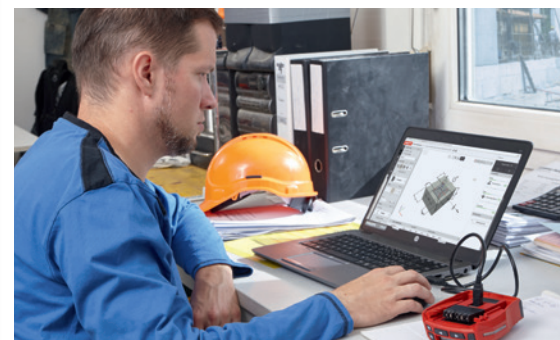
Our national team of engineers provides specialist support to ensure the job is done right

Our state of the art PROFIS software assists planners and specifiers make the necessary calculations to design anchor and rebar connections 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



## CERTAINTY

- Compliant with the National Construction Code and standard AS 5216:2018 (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 AS 5216:2018, for easy selection of the right anchor product with the right ETA approval
- Meet design challenges which fall outside the scope of AS 5216:2018, 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



LEARN MORE ABOUT PROFIS



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

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