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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.



6 / CHEMICAL ANCHOR SYSTEMS

The Hilti chemical anchor portfolio



Hilti injection technology HIT

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

CHEMICAL ANCHOR TECHNOLOGIES TO SUIT ALL NEEDS



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

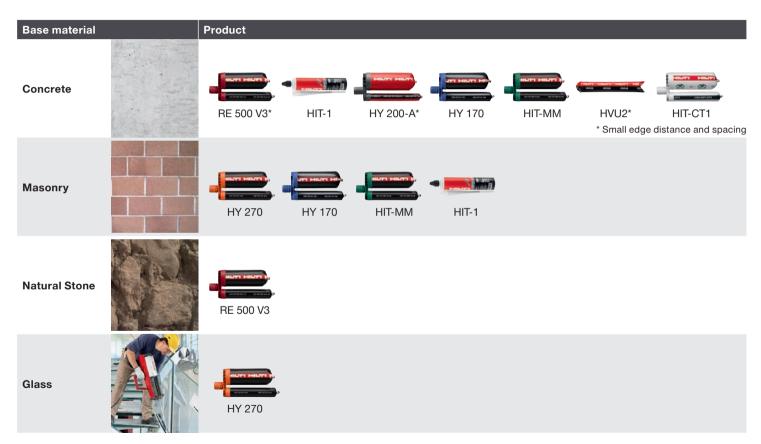
· Tough and resilient soft foil capsule - no more risk of

breakage, like with glass capsules





ALL BASES COVERED / Chemical anchors for all common base materials



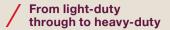
DIAMOND CORED OR WATER-FILLED HOLES? /

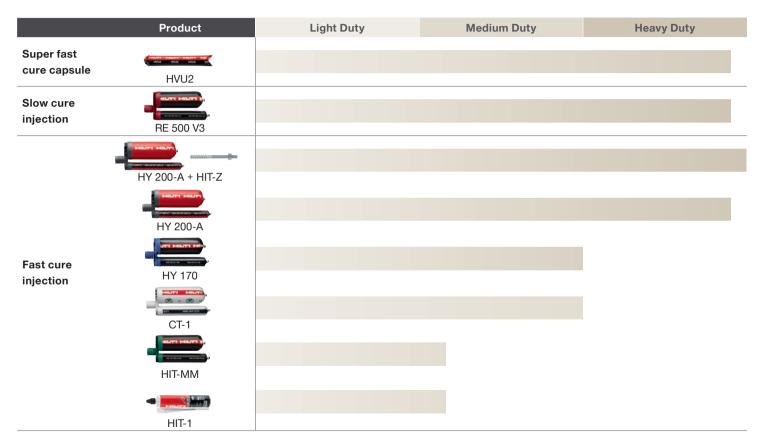


No problem for our premium chemical anchors

Hammer drilled	Diamond cored	Dry concrete	Wet concrete (no standing water)	Submerged borehole in concrete
RE 500 V3	RE 500 V3	RE 500 V3	RE 500 V3	RE 500 V3
HY 200-A	HY 200-A + HIT-Z	HY 200-A	HY 200-A	
HY 170		HY 170	HY 170	
HVU2	HVU2	HVU2	HVU2	
CT-1		CT-1		
HIT-MM		HIT-MM		
◆ HIT-1		◆ HIT-1		

AN ADHESIVE FOR EVERY APPLICATION /



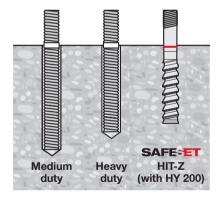


AN ADHESIVE FOR EVERY APPLICATION / !

From light-duty through to heavy-duty

When time is money, choose SAFFSFT HY 200 + HIT-7

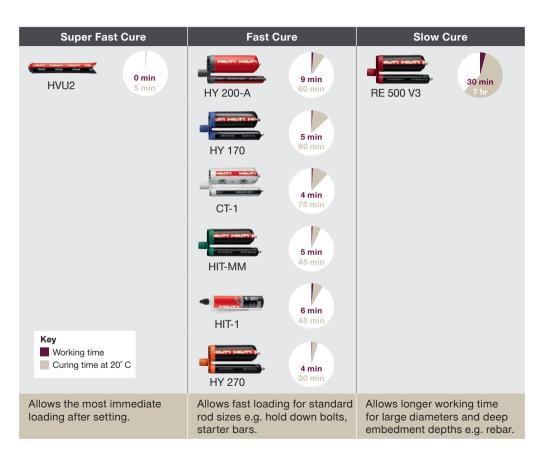
- Same load capacity
- Less mortar
- Less rebar hits
- · Less drill time, less drill bits
- Shorter rod



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







ADVANCED SYSTEMS / All backed by European approvals and certifications

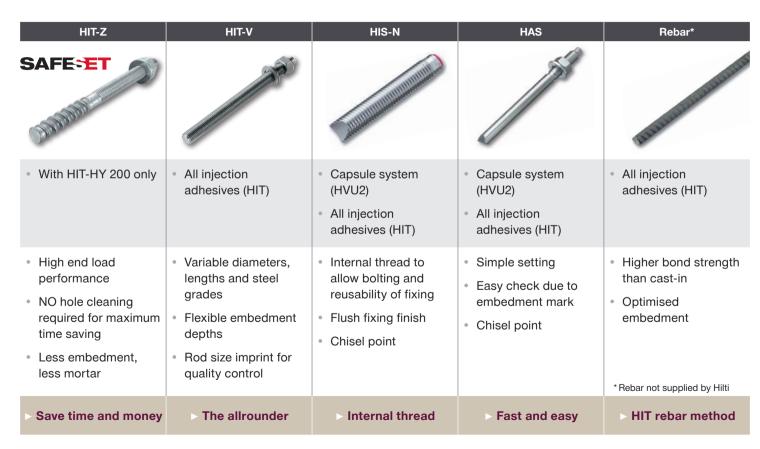
		SA	AFESET featur	es						
Product		Auto-cleaning with hollow drill bit	Zero cleaning with HIT-Z rod	Roughening tool for cored holes	ETA for uncracked concrete	ETA for cracked concrete	ETA for masonry	ETA for seismic	Fire tested	NSF for potable water
HVU2	MADE MADE MADE IN	1			•	•		•	•	•
RE 500 V3	CHAPT MINER,				•	•		•	•	•
HY 200-A	HILTE HILT				•	•		•	•	•
HY 170	erri bellerri belle				•	•	•			•
HIT-MM	STATE OF THE PERSON NAMED IN									•
HY 270	STATE STATE						•		•	•
CT-1	OT HE SET OF	1			•	•				•
HIT-1										







PRODUCTIVITY, FLEXIBILITY, SIMPLICITY / Our rod portfolio offers all this and more



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.



- Wide range from M12 to M35
- Available drill depth up to 1000 mm
- NCC compliant only with HVU2 capsule, RE 500 V3, RE 100, HY 200 and HY 170

Fast installation in cored holes

Roughen diamond cored holes for seismic conditions or cracked concrete.



· Faster installation thanks to less hole cleaning

SAFE

- Achieve higher loads
- NCC compliant only with RE 500 V3

Hole cleaning accessories

For manual and machine cleaning.





SAFESET



- ≤ 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



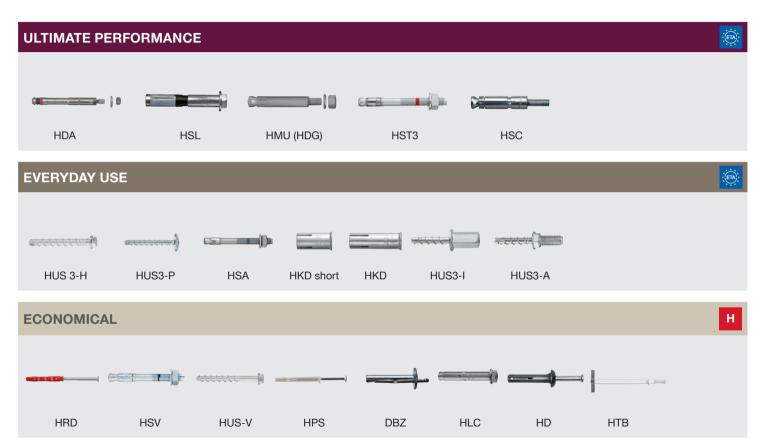
MECHANICAL ANCHOR SYSTEMS YOU CAN TRUST

Hilti Mechanical Anchor Systems

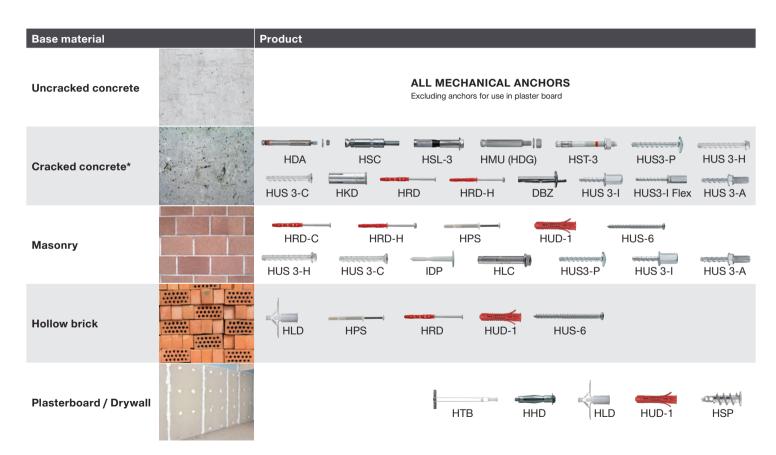
Our extensive range of mechanical anchors covers fixings for all kinds of base materials, from concrete and precast panels through to masonry and hollow blocks. We have fastening solutions for different environments and applications.

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.

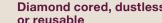
MECHANICAL ANCHORS TO SUIT ALL NEEDS / The Hilti mechanical anchor portfolio



A mechanical anchor ALL BASES COVERED for every base material

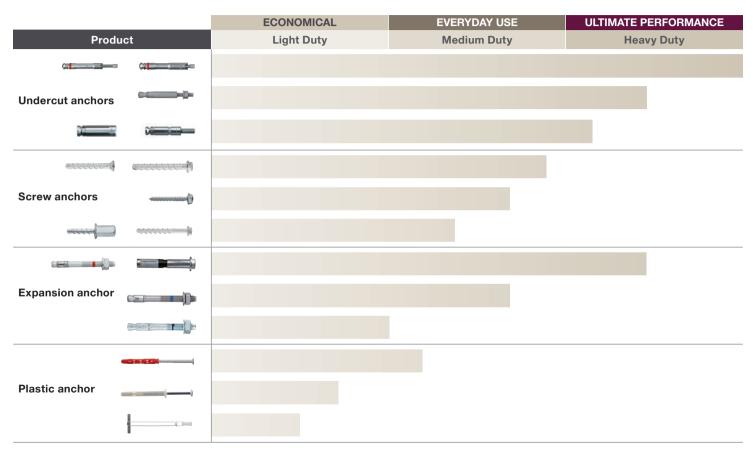


SOLUTIONS FOR SPECIAL CONDITIONS / Diamond cored, dustless or reusable



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

BEST IN CLASS / From economical to ultimate performance



THE APPROVED ADAPTIVE TORQUE SYSTEM /

SI-AT-A22 impact wrench module













The installation documentation reports the actions performed.

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







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
+		HILLE HRG 14	+
	<u> </u>		
 With stud anchors HSA, HSA-F & HSA-R 	With all the short HKD's	With all the screw anchors6mm diameter	With all the screw anchors
 No over or under torquing SIW impact wrench with torque bar for setting anchors quickly and reliably 	 Reduces the risk of rebar hits when drilling Drilling and setting with one tool No need to change tools Holes always drilled to the correct depth 	 Verified reusability Check anchor performance with HRG check gauge 	 Fast Installation Cutting edge geometry for superior setting
► Save time and money	► Safe and productive	⊳ Safe	> Productive

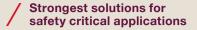
FLAWLESS INSTALLATION /



Installation tools for greater safety

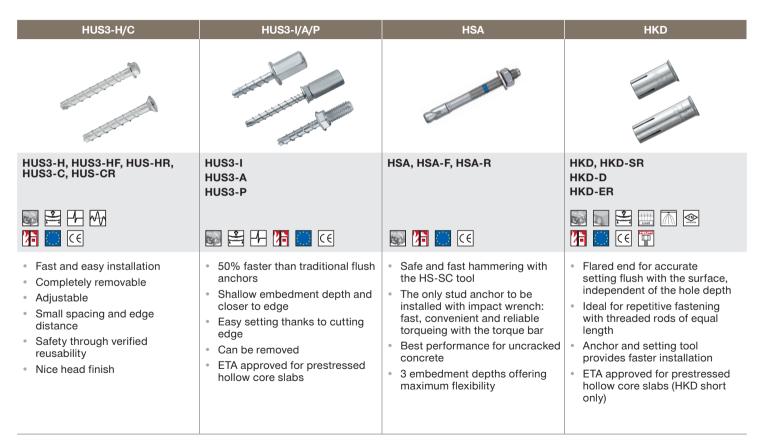
Torque controlled HSL3-B	SafeSet system with HST3	Disassembly tool for HDA	Setting tool for undercut anchors HDA, HSC & HMU-PF
	+	+	+
• With HSL3-B (Red cap)	With Stud anchor HST3	With HDA anchor	With all undercut anchors
 Reduces the risk of wrong torque during installation Visual check for correct setting (Red cap) 	DustlessPeace of mind	 Easy and fast removal process Anchor will be completely removed, no steel part left in the concrete 	 Achieves consistent drilled hole depth for proper installation of undercut anchors Length and diameter matched to each anchor size for maximum confidence in every fastening point
Safe and productive	> Safe and fast	> Flexible	Fast and accurate

HIGH PERFORMANCE ANCHORS





EVERYDAY ANCHORS / Approved solutions for day to day applications



ECONOMICAL ANCHORS / Efficient solutions for a variety of conditions

HRD-H/C	HPS	нтв	DBZ	HUS6	HUS-V	HSV
HRD-H, HRD-HF, HRD-HR, HRD-C, HRD-CR	HPS-1, HSP-1R H Hilti Technical Manual	HTB, HTB-S H Hilti Technical Manual	DBZ ☼ ३ ३ ३ ३ ३ ३ ३ ३ ३ ३	HUS6 H Hilti Technical Manual	HUS-V Hilti Technical Manual	HSV, HSV-F Hilti Technical Manual
 Flexibility to use with many base materials No spinning in the borehole Flexible embedment depth Wide range of fastening thickness Double thread for high loads in hollow materials 	For universal use on many materials, including perforated brick and block The hammer-driven screw can be driven or unscrewed using a screwdriver Quick impact installation using a hammer	 Designed for hollow base material Simple setting process Flexible embedment depth Removable screw: toggle stays in place 	Simple and fast through-fastening Impact expansion by hammering in, no setting tool is needed Reliable setting thanks to the simple visual check	 Wide range of lengths available Quick and easy to set 	 Fast and easy installation Completely removable Small spacing and edge distance Safety through verified reusability 	Two embedment depths for a wide range of fastening thicknesses Setting mark for easy checking of correct installation depth Raised impact section prevents thread damage during installation





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

HAT 28 Elevator HAT 28 E



Effective span of loadspreading bridge: 207 mm

HAT 28 Master Kit HAT 28 M



Effective span of loadspreading bridge: 118 mm

HAT 28 HAT 28 SR



Effective span of loadspreading bridge: 207 mm

0000 000 400 1

COMPARE OUR RANGE / Mechanical anchor quick comparison chart

	A		Undercut anchors			Expansio	n anchors			
	Anchor type	HDA	HMU-PF	HSC	HSL-3	нѕтз	HSA	HSV		
	Anchor size	M10-M20	M8-M20	M6-M12	M8-M24	M8-M24	M6-M20	M8-M16		
	Cracked concrete				•					
_	Non cracked concrete			•			•			
3ASE MATERIAL	Lightweight concrete									
MAT	Aerated concrete									
ASE	Solid brick masonry									
Ω	Hollow brick masonry									
	Drywall									
	Redundant fastening									
	European Technical approval (ETA)		•		•	•	•			
ALS	ETA seismic C1									
APPROVALS	ETA seismic C2**				•	•				
ЧΑ	Fatigue approval*									
	Shock approval*			•	•					
	Fire tested			•			•			
	Steel, galvanised				•	•	•	-		
N O	Steel, hot-dipped galvanised						•	-		
SPECIFICATION	Stainless steel A2						•			
	Stainless steel A4			•	•		•			
SPI	External thread		•		•	•	•	-		
	Internal thread			•						
SETTING	Pre-setting		•		•	•	•			
SET	Through-fastening							-		
	Profis					•				

^{*}Local approvals

^{**}Seismic C2 approval for M8 & M10 HSC-A anchor only

COMPARE OUR RANGE / Mechanical anchor quick comparison chart

				Screw anchors				Flush anchors	
	Anchor type	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
	Cracked concrete			•				•	
_	Non cracked concrete					•			
MATERIAL	Lightweight concrete								
MATI	Aerated concrete								
BASE	Solid brick masonry			•					
В	Hollow brick masonry								
	Drywall								
	Redundant fastening							•	
	European Technical approval (ETA)			•			-	•	
ALS	ETA seismic C1								
APPROVALS	ETA seismic C2								
APP	Fatigue approval*								
	Shock approval*								
	Fire tested			•				•	
	Steel, galvanised			•			-	•	
NO	Steel, hot-dipped galvanised								
SPECIFICATION	Stainless steel A2								
SCIFI	Stainless steel A4						-	•	
SPE	External thread								
	Internal thread							•	
SETTING	Pre-setting						-		
SET.	Through-fastening			•		•			
	Profis			•			-		

COMPARE OUR RANGE / **Mechanical anchor** quick comparison chart

	Amalaman		PI	astic ancho	ors							
	Anchor type	HRD	HPS-1	HUD-1	HUD-L	HLD	DBZ	HLC	нт	HHD-S	HSP/HFP	нтв
	Anchor size	M8-M10	M4-M8	M5-M14	M6-M10	M10	M6	M5-M16	M8-M10	M4-M8	M4,5	M5-M6
	Cracked concrete											
_	Non cracked concrete											
BASE MATERIAL	Lightweight concrete											
MAT	Aerated concrete											
ASE	Solid brick masonry											
ш	Hollow brick masonry	•							•			
	Drywall											
	Redundant fastening											
	European Technical approval (ETA)											
ALS	ETA seismic C1											
APPROVALS	ETA seismic C2											
AP	Fatigue approval*											
	Shock approval*											
	Fire tested	•					•		•			
	Steel, galvanised									•		
NO	Steel, hot-dipped galvanised	•										
SPECIFICATION	Stainless steel A2											
ECIFI	Stainless steel A4											
SP	External thread											
	Internal thread									•		
SETTING	Pre-setting									•		
SET	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 Great Britain.

HILTI SERVICE / When and where you need it







We provide expert advice, when and where you need it

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

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

made easy

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







TECHNICAL CENTRE / FIELD ENGINEERS

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.

Call: 0800 886 100 Email: gbtas@hilti.com



CUSTOMER SERVICE

Our Customer Service representatives are available on the phone, Monday to Friday from 7:30am to 5:00pm.

Call: 0800 886 100 Email: gbsales@hilti.com



HILTI STORES

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

Visit: www.hilti.co.uk/stores



HILTI ONLINE

7 days a week, 24 hours a day, our website is available at your own convenience for quick access to product information and pricing.

Visit: www.hilti.co.uk



ACCOUNT MANAGERS

Our professionally trained Account Managers are readily available nationwide, to visit your place of work. They can help evaluate your job requirements and suggest ways to increase your productivity and profitability.

Call: 0800 886 100







