



# NCC COMPLIANCE.

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



Our anchors are proven to provide the strongest solution for safety critical applications in concrete, fully backed by technical documentation, software and engineering services.

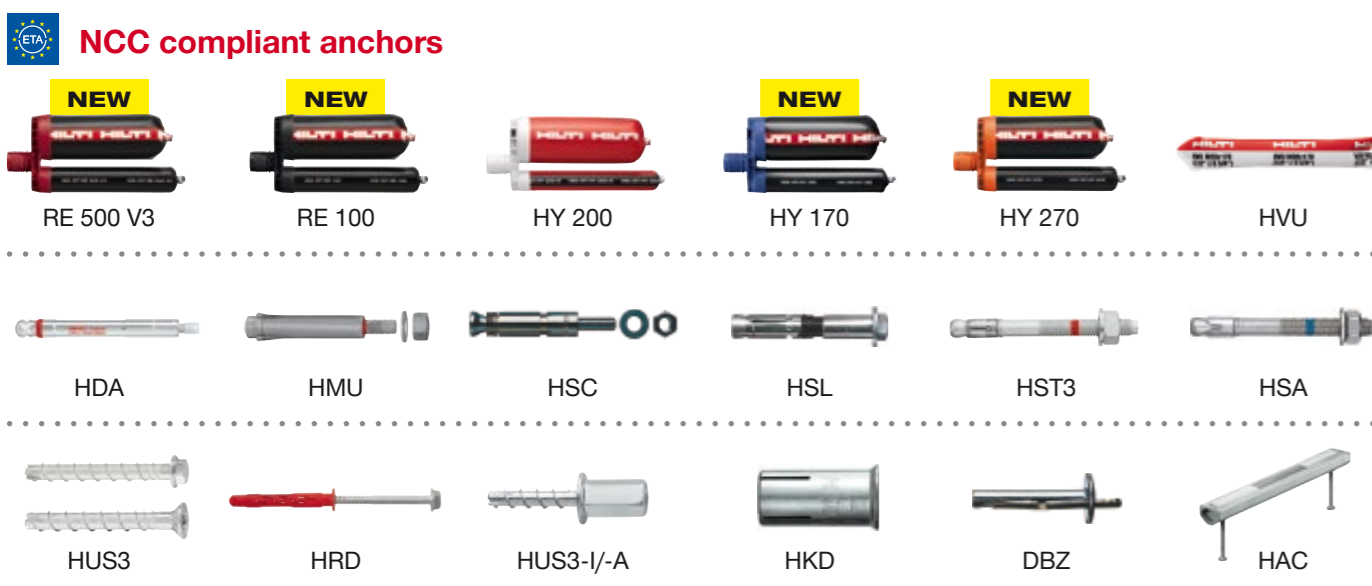


We offer a full suite of ETA assessed anchoring solutions, to suit every application from basic through to the most complex and challenging.

**What is Standards Australia Technical Specification SA TS 101:2015?**

SA TS 101:2015 Design of post-installed and cast-in fastenings for use in concrete, is a primary referenced document in the 2016 edition of the National Construction Code (NCC). SA TS 101:2015 covers the design and testing of mechanical and chemical anchors and cast-in anchor channel for all permanent and safety critical applications e.g. structural beams and column connections to concrete, balustrading or heavy mechanical and electrical services. **Safety critical applications** are defined as fastenings where failure may result in collapse or partial collapse of the structure, endanger human life and/or cause considerable economic loss.

SA TS 101:2015 is based on European guidelines for design and product assessment (ETA) which are recognised as best practice around the world. It has been published in response to the need to raise safety and quality standards in the Australian construction industry by providing a nationwide consistent approach for the design and evaluation of anchors used in concrete. This ensures that all anchor products can be compared on a level playing field. Anchors that have a European Technical Assessment (ETA) meet the testing requirements of SA TS 101:2015 and comply with the NCC.



Our state of the art software, PROFIS Anchor and PROFIS Anchor Channel, assist planners and specifiers make the complex calculations required in anchor designs 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 that you are always working with the most current product approvals and latest design methods

### Certainty

- Make anchor designs compliant with the National Construction Code referenced SA TS 101:2015 Design of post-installed and cast-in fastenings for use in concrete
- ETA prequalified products are filtered by the intended use, also in accordance with SA TS101:2015, making it easy to select 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
- Backed up by support from Hilti Field Engineers nationwide



Learn more about our anchors and NCC compliance

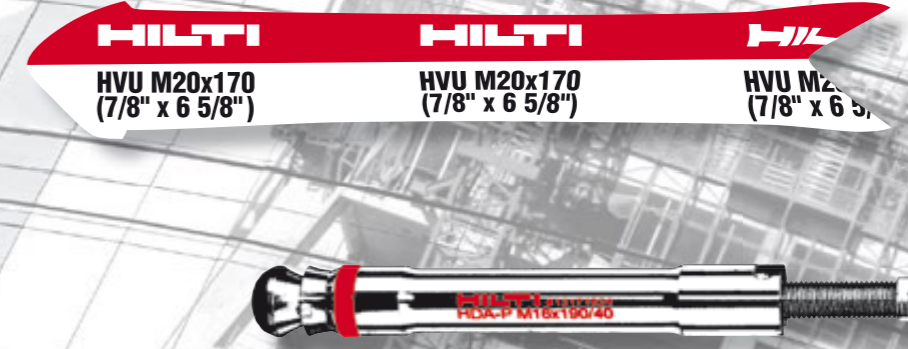
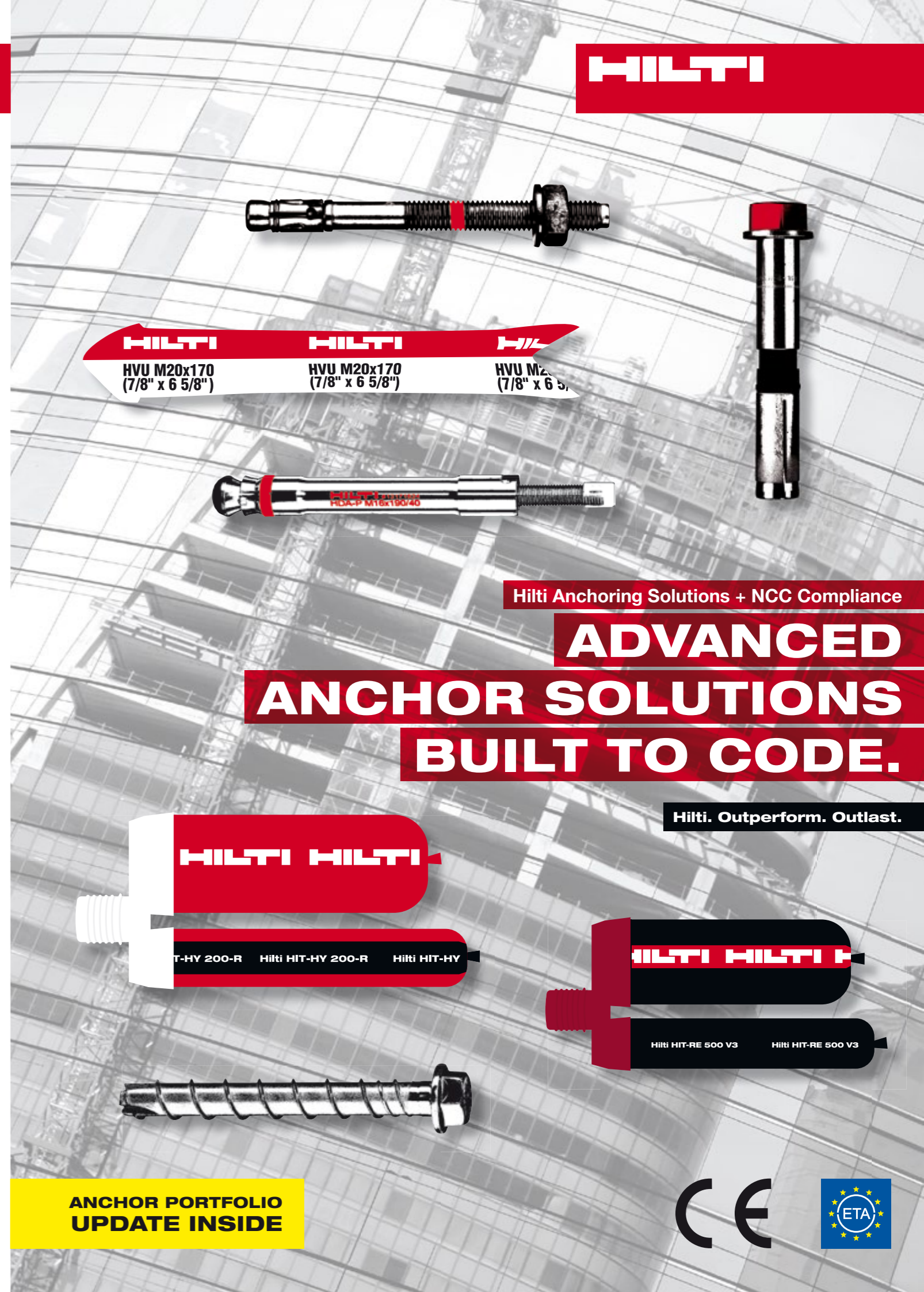


## Hilti. Outperform. Outlast.

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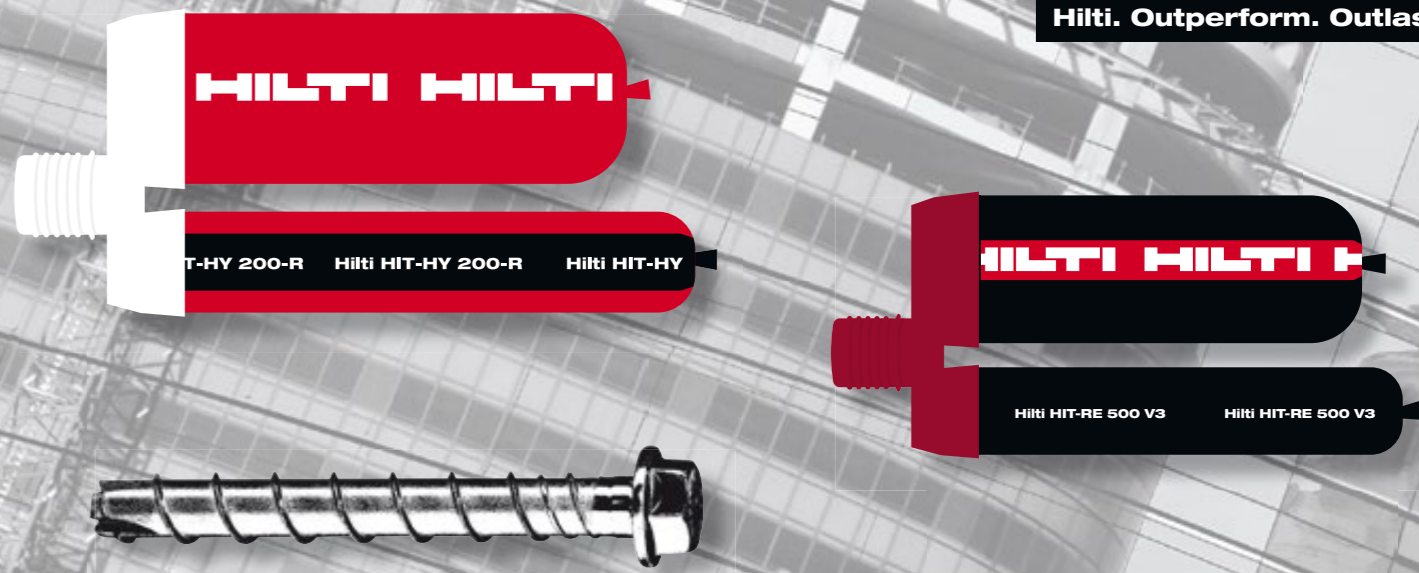
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Hilti Anchoring Solutions + NCC Compliance

# ADVANCED ANCHOR SOLUTIONS BUILT TO CODE.

Hilti. Outperform. Outlast.



ANCHOR PORTFOLIO UPDATE INSIDE



# WE'VE GOT YOU COVERED BY THE CODE.

A compliant Hilti anchoring solution for every application.



## CHEMICAL ANCHORS

The most versatile chemical anchor range available, from slow cure to super fast cure, covering all applications, base materials and setting requirements.

HILTI INJECTABLE SYSTEM		CAPSULE
Slow cure	Fast cure	Super fast cure
<p><b>NEW</b></p> <p><b>RE 500 V3</b></p> <p>Concrete, Solid brick, Hollow brick, Prestressed hollow core slab</p> <p>ZN, hdg, A4, HCR</p> <p>SAFEset, Greenstar, Fire approval, Fatigue</p>	<p><b>NEW</b></p> <p><b>HY 200</b>      <b>HY 270</b></p> <p>Concrete, Solid brick, Hollow brick, Prestressed hollow core slab</p> <p>ZN, hdg, A4, HCR</p> <p>SAFEset, Greenstar, Fire approval, Fatigue</p>	<p><b>NEW</b></p> <p><b>HVU</b></p> <p>Concrete, Solid brick, Hollow brick, Prestressed hollow core slab</p> <p>ZN, hdg, A4, HCR</p> <p>SAFEset, Greenstar, Fire approval, Fatigue</p>
<p><b>NEW</b></p> <p><b>RE 100</b></p> <p>Concrete, Solid brick, Hollow brick, Prestressed hollow core slab</p> <p>ZN, hdg, A4, HCR</p> <p>SAFEset, Greenstar, Fire approval, Fatigue</p>	<p><b>NEW</b></p> <p><b>HY 170</b></p> <p>Concrete, Solid brick, Hollow brick, Prestressed hollow core slab</p> <p>ZN, hdg, A4, HCR</p> <p>SAFEset, Greenstar, Fire approval, Fatigue</p>	



## MECHANICAL ANCHORS

The widest NCC compliant mechanical anchor portfolio covering all application needs with ETA assessment from light duty to heavy duty.

UNDERCUT	EXPANSION	SCREW
<p><b>strongest anchors</b></p> <p><b>HDA</b></p> <p>Concrete, Solid brick, Hollow brick, Prestressed hollow core slab</p> <p>ZN, A4</p> <p>SAFEset, Greenstar, Fire approval, Fatigue</p>	<p><b>strongest anchors</b></p> <p><b>HSL</b></p> <p>Concrete, Solid brick, Hollow brick, Prestressed hollow core slab</p> <p>ZN</p> <p>SAFEset, Greenstar, Fire approval, Fatigue</p>	<p><b>strongest anchors</b></p> <p><b>HST3</b></p> <p>Concrete, Solid brick, Hollow brick, Prestressed hollow core slab</p> <p>ZN, A4, HCR</p> <p>SAFEset, Greenstar, Fire approval, Fatigue</p>
<p><b>strongest anchors</b></p> <p><b>HMU</b></p> <p>Concrete, Solid brick, Hollow brick, Prestressed hollow core slab</p> <p>hdg</p> <p>SAFEset, Greenstar, Fire approval, Fatigue</p>	<p><b>strongest anchors</b></p> <p><b>HSA</b></p> <p>Concrete, Solid brick, Hollow brick, Prestressed hollow core slab</p> <p>ZN, hdg, A4</p> <p>SAFEset, Greenstar, Fire approval, Fatigue</p>	<p><b>strongest anchors</b></p> <p><b>HKD</b></p> <p>Concrete, Solid brick, Hollow brick, Prestressed hollow core slab</p> <p>ZN, A4</p> <p>SAFEset, Greenstar, Fire approval, Fatigue</p>
<p><b>strongest anchors</b></p> <p><b>HSC</b></p> <p>Concrete, Solid brick, Hollow brick, Prestressed hollow core slab</p> <p>ZN, A4</p> <p>SAFEset, Greenstar, Fire approval, Fatigue</p>	<p><b>strongest anchors</b></p> <p><b>DBZ</b></p> <p>Concrete, Solid brick, Hollow brick, Prestressed hollow core slab</p> <p>ZN</p> <p>SAFEset, Greenstar, Fire approval, Fatigue</p>	<p><b>strongest anchors</b></p> <p><b>HRD</b></p> <p>Concrete, Solid brick, Hollow brick, Prestressed hollow core slab</p> <p>ZN, hdg, A4</p> <p>SAFEset, Greenstar, Fire approval, Fatigue</p>

1) Only with HIT-Z rod 2) Cored with Hilti DD EC-1 tool 3) As redundant fastening 4) HKD short only

## CAST-IN CHANNEL

The only NCC compliant cast-in portfolio with V-shape and green building report.

**strongest anchors**

**HAC**

Concrete, Solid brick, Hollow brick, Prestressed hollow core slab

ZN, hdg, A4 for T-bolts

SAFEset, Greenstar, Fire approval, Fatigue, EPD

**ETA Hot dipped galvanised**

Hilti provides NCC compliant mechanical anchor portfolio in hot dipped galvanised.

**Hilti HDG anchors with ETA approval:**

HMU      HUS3      HSA

**ETA Screw anchors HUS3**

Reliable and ETA approved for numerous permanent applications.

- Fast
- No torque wrench
- High loads like stud anchors
- Adjustable
- Cuts through rebar

## ETA HIGHLIGHTS

**ETA SAFEset**

**Fast, reliable and safe**

- Auto-cleaning with Hilti hollow drill bit
- Dustless
- NCC compliant and ETA approvals for the following products:

Hollow drill bit      RE 500 V3      HY 200

HVU      HST3

- Roughen diamond cored holes for better bonding
- Allows higher loads
- NCC compliant and ETA approved for RE 500 V3

Roughening tool      RE 500 V3

**ETA Torque bar**

This unique setting tool is fast, safe and ETA approved.

HSA

**ETA approved for diamond cored holes**

RE 500 V3      HSL<sup>2)</sup>

HST3<sup>2)</sup>      HSA