CONTINUOUS INNOVATION FOR DEMANDING JOBSITES

NEW! HIT-HY 200 V3

HIT-HY 200 V3

The most flexible fast cure adhesive for your toughest jobsite conditions is better than ever

Since the release of HY 200 in 2013, Hilti has rolled out continuous improvements that utilize state-of-the-art technology to help ensure that demanding jobsite conditions are safer, more efficient and met with needed flexibility.

The new HY 200 V3 ultimate fast cure adhesive offers increased versatility, durability and ease of use, fitting a range of environmental conditions including dry, water-saturated and water-filled holes.*

HY 200 V3 can be used with torque-controlled HIT-Z rods that require zero hole cleaning, threaded rods, internally threaded inserts and reinforcing bar in diameters ranging from ¼" to 1-¼".

*Hammer drilled and Hollow drill bit installation only with rebar and threaded rod

PERFORMANCE YOU CAN COUNT ON

Turn your most challenging jobsites into successful projects

2013

HY 200 launches with the SafeSet system, providing engineers and contractors with a non-hole cleaning anchor solution with HY 200 and the HIT-Z rod, and an automatic hole cleaning solution with the Hollow drill bit and vacuum system.

2016

HY 200 gains approval for use in grouted CMU base material, extending the use of SafeSet technology to base materials outside of cracked and uncracked concrete.

2019

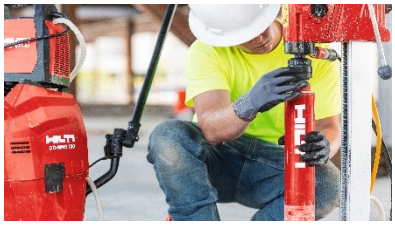
HY 200 with regular threaded rod and rebar can be used in core drilled holes with use of roughening bit, making installation simpler for contractors no matter the drilling method.

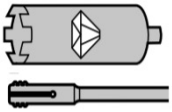
2015

New testing criteria for AC 308 is released, allowing adhesives to be tested for use in rebar applications. HY 200 with SafeSet conforms to new testing criteria and can be used with the development length provisions given in the model building code.

2018

OSHA's Silica dust mandate is released; HY 200 with SafeSet achieves OSHA 1926.1153 Table 1 compliance, helping to reduce contractors exposure to silica dust on the jobsite.





PROVIDING INNOVATION WITH CONSISTENT RELIABLE PERFORMANCE

Improved and optimized

	HY 200 A/R (2013)	New HY 200 A/R V3
Designable inserts		
Threaded rod	✓	✓
SafeSet HIT-Z rod	✓	✓
Reinforcing bar	✓	✓
Internally threaded insert	✓	✓
Flexible base materials		
Cracked concrete	✓	✓
Uncracked concrete	✓	✓
Grout-filled CMU		✓
Approved drilling methods		
Hammer drill	✓	✓
SafeSet Hollow drill bit	✓	✓
Core drill with Hit-Z rod	✓	✓
Core drill with TE-YRT roughening bit*		✓
Real jobsite conditions		
Dry concrete	✓	✓
Water saturated concrete	✓	✓
Water filled holes		✓

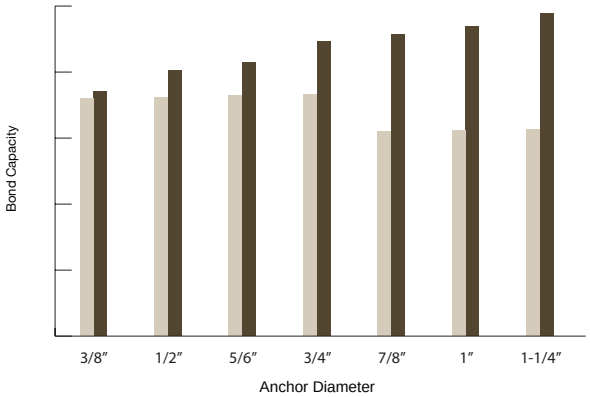
*Approved for threaded rod, rebar and internally threaded inserts

INCREASED BOND CAPACITY PERFORMANCE

Providing superior performance for real jobsite conditions

Bond capacity comparison
Dry concrete, hammer drilled, temp range A, threaded rod (as of 11/2021)

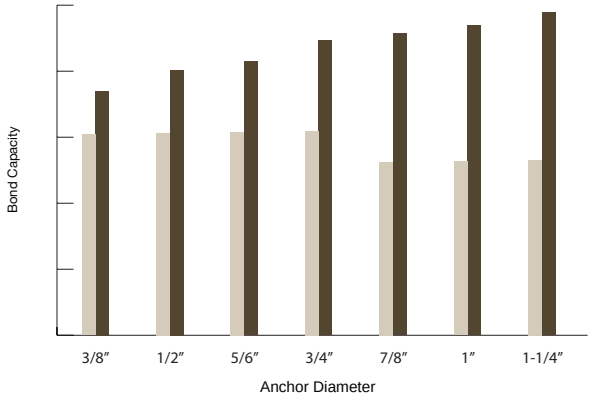
HIT-HY 200 (2013)
HIT-HY 200 V3



*Published bond capacity data in the March 2013 ICC-ESR 3187

Bond capacity comparison
Water saturated concrete, hammer drilled, temp range A, threaded rod (as of 11/2021)

HIT-HY 200 (2013)
HIT-HY 200 V3



*Published bond capacity data in the March 2013 ICC-ESR 3187

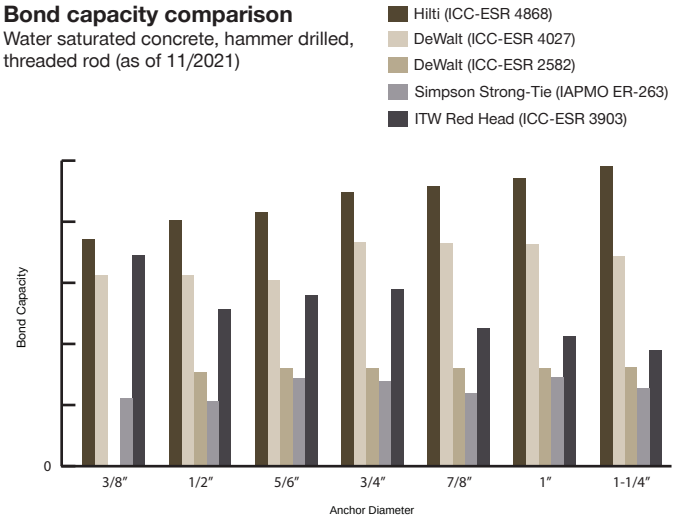
SUPERIOR PERFORMANCE

HY 200 V3 outperforms the competition in realistic jobsite conditions

Specifiers often design in water-saturated concrete conditions because they know the presence of water can significantly impact the capacity of an adhesive. With HY 200 V3, you get a more reliable and stronger anchor performance that outperforms the competition in the most demanding jobsite conditions.

Improved performance also comes with the benefit of reduced costs. HY 200 V3's faster cure times results in lower work time and installation costs, as well as increasing the speed of production. Overall, our customers end up saving in more areas than simply the price of the product itself.

Bond capacity comparison
Water saturated concrete, hammer drilled, threaded rod (as of 11/2021)



* All data presented pulled from each product's ICC-ESR or IAPMO ER and is accurate as of 11/11/2021

BEYOND BOND CAPACITY

HY 200 V3 is the anchoring solution less vulnerable to load reductions and performance compromise. ACI 318 26.7.1(i) requires that parameters associated with bond stress be specified.

- Concrete temperature range
- Moisture condition of concrete at time of installation
- Acceptable hold drilling methods and required hole cleaning procedures

Temperature

No two jobsite conditions are exactly alike. Thus, adhesives should be able to be installed in a broad range of temperatures.

- HY 200 V3 can be installed with a threaded rod, rebar or internally threaded rod in base material temperatures ranging from 14°F to 104°F or -10°C to 40°C
- HY 200 V3 offers installers realistic working and cure times to properly install the adhesive and the anchoring element

Moisture condition of base material

Adhesive anchor systems can be sensitive to adverse jobsite conditions, but HY 200 V3 performs more reliably—regardless of whether the base material meets the ACI definition of dry concrete. Whether your design assumes dry or water-saturated concrete or water-filled holes, HY 200 V3 presents designers and contractors with an approved solution.

Hole drilling and cleaning

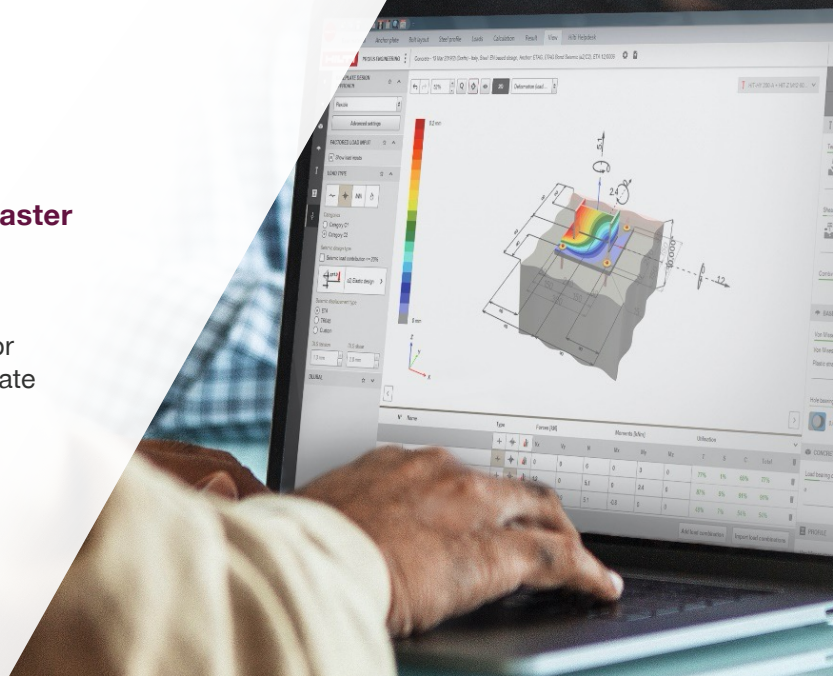
HY 200 V3 can be used with the SafeSet system, developed to help simplify the hole cleaning steps by using either:

- A Hilti hollow-drill bit and compatible Hilti vacuum system that removes dust and debris during the drilling process
- A proprietary anchor element, such as a Hilti HIT-Z rod, which requires no hole cleaning prior to install (and results in the highest load values in the industry) for fast-cure adhesives
- A roughening tool, such as the Hilti Y-RT insert, that reduces hole cleaning complexity in challenging diamond core drilled holes

CONVERT YOUR ANCHOR DESIGN

PROFIS Engineering Suite provides an easier and faster design transition to HY 200 V3

PROFIS Engineering Suite is a user-friendly, cloud-based application that helps make designing connections easier for everyone. With PROFIS Engineering, you can design, calculate and analyze multiple connection types, including steel to concrete, steel to masonry, steel to concrete-over metal deck and baseplate solutions.



UPGRADE YOUR SPECIFICATION

Concrete applications

Anchorage to concrete

Adhesive anchors for cracked and uncracked concrete use:

- Hilti HIT-HY 200 V3 SafeSet system with Hilti HIT-Z rod per ICC ESR-4868
- Hilti HIT-HY 200 V3 SafeSet system with Hilti Hollow drill bit and vacuum with HAS threaded rod per ICC ESR-4868

Solid grouted masonry

Anchorage to solid grouted masonry

Adhesive anchor use:

- Hilti HIT-HY 200 V3 SafeSet system with Hilti Hollow drill bit and vacuum per ICC ESR-4878

THE FASTER, EASIER, SAFER WAY TO SET AN ANCHOR

Why SafeSet? Put simply, it's the most reliable way to set an adhesive anchor. It provides the most dependable performance during the design phase, and the most reliable installation method on the jobsite.

Hilti SafeSet is a proven and evolving system that helps to reduce human error in anchor adhesive installation, every time.

Unsure which drilling method the contractor may end up using? Don't sweat it. With an automatic hole-cleaning system using Hilti's Hollow drill bit and compatible Hilti vacuum, the ability to specify a zero-cleaning option with HY 200 V3 and the HIT-Z rod or using a Y-RT roughening tool to improve performance in diamond core drilled holes, SafeSet helps deliver peace of mind in both installation and performance.

SafeSet is also the only proprietary hole-cleaning system designed to work in wet concrete without taking additional load reduction, making the toughest of jobsite conditions work for you. Visit hilti.com/safeset to learn more.

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