HILTI

Products and Services 2012

On the job. Every day.

Hilti. Outperform. Outlast.

Hilti.
Outperform.
Outlast.

The Tradition Continues

The company that Martin Hilti started in 1941 in a small workshop in the Principality of Liechtenstein has grown to a leading-edge technology provider in the global construction industry.

In the 1950's, Hilti made its way to the United States when Hilti Rapid Fastening Systems opened for business in Manhattan, New York. What started as a single Hilti Fastening Center has grown to a network of hundreds of locations all across the country. And our first fastening representative would likely be impressed by today's team of roughly 2,000 professionals.

There have been many changes over the last six decades, but through it all one thing has remained constant — our uncompromising commitment to serving our customers with innovative products and services.

Over the years, Hilti has introduced many "firsts" to jobsites and offices across the country. From the first electro-pneumatic drills and powder-actuated tools to industry-leading services like Tool Fleet Management and onsite engineering support, the Hilti team's commitment to driving innovation never waivers.

So while it can be fun to look back at all of our "firsts", our commitment to you is they won't be our last. We continue to provide the best solutions in the industry, and we thank you for allowing us to be your trusted business partner for more than 60 years.

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Hilti, Inc. (U.S.) 1-800-879-8000 **www.us.hilti.com** • en español 1-800-879-5000
Hilti (Canada) Corp. 1-800-363-4458 **www.hilti.ca**

HILTI

Hilti.
Outperform.
Outlast.

With you every step of the way.

At Hilti, our people and products are with you every step of the way. From design to demolition, we support you with expert technical advice, reliable products, prompt delivery and outstanding service from a team of highly trained professionals to make your team more productive, every day.

Local Account Managers are highly trained product and application experts
Field Engineers work directly with architects and engineers to provide technical assistance and on-site problem solving
Fire Protection Specialists offer firestop consultation and training
Fire Protection Engineers provide Engineering Judgments for unique and complex applications
Diamond Coring Specialists provide expert, hands-on training for the use of diamond coring and cutting systems
Engineering and Custom Services provide solutions for unique application needs

Available nearby.

Inside Sales

Hilti, Inc. (U.S.) — 1-800-879-8000
Servicio al Cliente en español (U.S.) — 1-800-879-5000
Hilti (Canada) Corporation — 1-800-363-4458
Hilti, Inc. (Guam) — 1-671-646-0930
Hilti, Inc. (Puerto Rico) — 1-787-936-7060
Real-time order entry, application assistance and technical support

Online

Hilti, Inc. (U.S.) — www.us.hilti.com
Hilti (Canada) Corporation — www.hilti.ca
Hilti, Inc. (Guam) — www.us.hilti.com/guam
Hilti, Inc. (Puerto Rico) — www.us.hilti.com/puertorico
Anytime access for online ordering, up-to-date product and application information, and maps to local Hilti Centers, Hilti ProShops and rental outlets

Hilti Centers

Convenient locations provide on-hand inventory, expert technical advice and product training

Hilti ProShops

Hilti ProShops at The Home Depot provide quick and easy access to quality Hilti products and professional expertise

Independent Rental Outlets

Convenient access to Hilti products to meet peak demand or unique project needs

Authorized Dealers

Hilti-quality sales and service available locally

Hilti. Outperform. Outlast.

Your project is more than just another project.

And Hilti is more than just another company.

From the moment you win the contract, it becomes more than just another construction project. It's your project. And the pride you take in delivering a high-quality product to your customer is the same pride Hilti takes in delivering our high-quality products and services to you.

Whether we're working with architects during the planning of a project or providing innovative tools and fastening systems that help improve jobsite productivity and worker safety, Hilti delivers more.

Don't take our word for it. Experience the Hilti difference for yourself.
From people to service to products, Hilti takes pride in delivering more every day.

The BEST People

On the job. Every day.

In the field, at repair and distribution centers, and at store and office locations throughout North America, your Hilti team is there to support your needs.

Trained Sales Professionals

- Account Managers and Trade Specialists
- Inside Sales and Customer Service Professionals
- Hilti Center and ProShop Representatives
- Independent Rental Outlets and Authorized Dealers

Technical Service Professionals

- Field Engineers
- Fire Protection Engineers and Specialists
- Engineering and Custom Services
- Technical Support Representatives

The BEST Service

Unmatched support. Every day.

Quality service and support are paramount to delivering a complete "best" package.

Hilti Lifetime Service — See page 318
Tool Fleet Management — See page 319
Tool Repair Service — See page 320
Technical Services — See page 321
Hilti Online — See page 322
Social Media — See page 323
Account Services — See page 324
Hilti Locations — See page 329

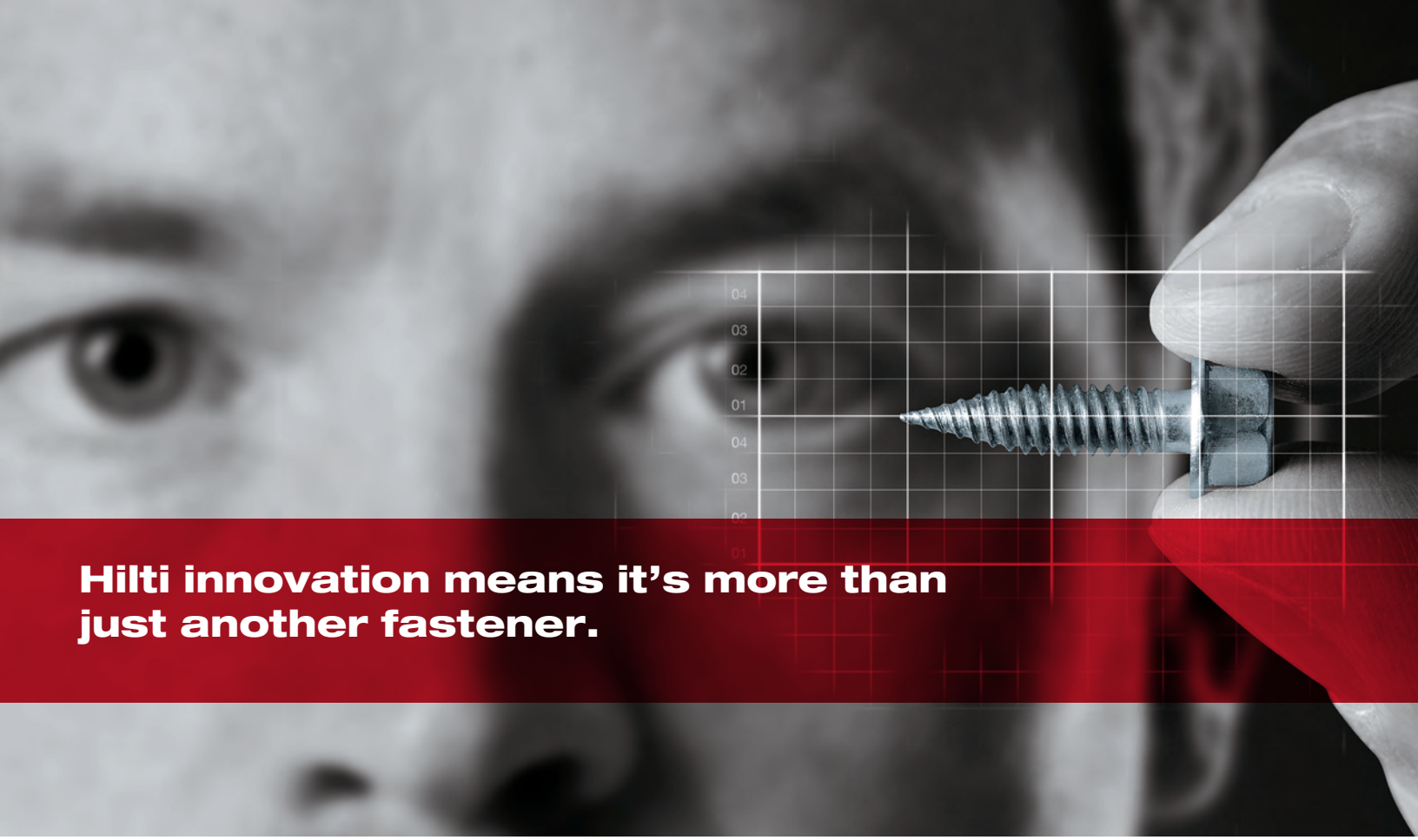
Hilti delivers your order when and where you need it:

- **Standard delivery** — Most deliveries in 1-2 business days by 5 p.m.
- **Metro Courier Delivery** — Same-day or next-day A.M., rush
- **Dedicated Delivery Service** — Same-day, same day rush, next-day A.M. or next-day 1st A.M. (in select cities only)
- **Air Expedite delivery** — Air priority, Air 1st overnight, Saturday delivery
- **Customer pick-up** from Hilti locations

The BEST Products

Superior results. Every day.

- **Quality Tools:** We take great pride in the tools that carry our name. From our powerful, ergonomically designed cordless line to our innovative powder-actuated fastening tools and hammer drills, feel the Hilti difference.
- **Quality Fastening Systems:** Whether you're hanging a suspended ceiling, tying together two sections of road or installing supports for a pipe run, Hilti provides power-driven, mechanical and chemical solutions with the latest testings and approvals.
- **Quality Consumables:** Dedication to delivering the best shows in our consumable products. From our X-technology hammer drill bits and customizable diamond segments to cast-in-place firestop devices and smoke and acoustic solutions, Hilti delivers.



Hilti innovation means it's more than just another fastener.

You tell us.
Every day. Worldwide.

How many people do you meet in a working week? Hilti representatives speak to about a million professionals from the construction industry throughout the world during a standard work week — and learn a lot in the process. This unique closeness to our customers is unique to Hilti and one of the reasons our products are what they are — prime examples of design excellence, unrivaled ergonomics, uncompromising functionality and legendary durability.

Award-winning products.
Ahead of their time — for decades.

"Self-drilling screws normally leave metal cuttings and fragments behind, which later rust. But not the Hilti S-MS — because this screw doesn't make cuttings!" That was how the international panel of experts in industrial design judged the winner of the iF Gold Award 2009. And they continued their praise: "This product is truly innovative because it presents a perfect solution to a real problem."

Since the 1950s, Hilti has continued to win an unparalleled number of design awards, achieving a level of success that's quite unique in this field. Accolades such as the internationally renowned, Good Design Award 2010, iF Product Design Award 2009 or Red Dot Design Award are confirmation of how the Hilti brand is oriented towards the needs of the user, and emphasize the added value our products clearly provide.

reddot design award
product design

product
design
award

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Measuring Systems

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PD 5 Laser Range Meter

NEW!

Features and Applications

- Quickly and accurately measures distances from 8 inches to 230 feet
- Measuring heights where alternative measuring methods fail
- Measuring quickly and safely in places where access is difficult
- Simple and intuitive to use
- Single-button operation
- New compact design that fits in pocket
- Water resistant and dust tight

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PULSE POWER

Technical Data	PD 5
Accuracy	± 1/20 in (± 1.5 mm)
Measuring range	8 in - 230 ft (.2 - 70 m)
Functions	Single and continuous measurement
Laser class	635 nm, class 2 (IEC 825-1), class II (FDA 21 CFR)
Protection class	IP 55
Battery life with alkaline battery	8,000 measurements (2 AAA Alkaline batteries)
Operating temperature	14 to 122° F (-10 to 50° C)
Dimensions (L x W x H)	6.5 x 1.3 x .8 in (164 x 33 x 21 mm)
Weight	0.22 lb

PD 40 Laser Range Meter

Features and Applications

- Measures distance, adds and subtracts measurements and calculates square footage
- Pulse Power™ technology for reliable measurements
- Sensor automated backlight
- Automatically detects extension stick
- Self-calibrates to provide accuracy in virtually any environment

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PULSE POWER

Technical Data	PD 40
Accuracy	± 1/25 in (± 1.0 mm)
Measuring range	2 in - 650 ft (0.05 - 200 m)
Functions	Add, subtract, area, clear and continuous measurement
Data memory	Last 4 measurements
Laser class	635 nm, class 2 (IEC 825-1), class II (FDA 21 CFR)
Protection class	IP 54 as per IEC 529 std
Battery life with alkaline battery	10,000 measurements (2 AA Alkaline batteries)
Operating temperature	14 to 122° F (-10 to 50° C)
Dimensions (L x W x H)	4.7 x 2.6 x 1.1 in
Weight	0.44 lb

PD 42 Laser Range Meter

Features and Applications

- Includes all PD 40 functions plus calculates volume, three Pythagorean modes, min/max, sets out distances, memory and timer functions
- Optical scope for outdoor measurements
- Pulse Power™ technology for reliable measurements
- Automatically detects extension stick
- Self-calibrates to provide accuracy in virtually any environment

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PULSE POWER

Technical Data	PD 42
Accuracy	± 1/25 in (± 1.0 mm)
Measuring range	2 in - 650 ft (0.05 - 200 m)
Functions	Add, subtract, area, volume, painters area, three Pythagorean modes, min/max, timer, setting out, memory
Data memory	Last 30 measurements
Laser class	635 nm, class 2 (IEC 825-1), class II (FDA 21 CFR)
Protection class	IP 54 as per IEC 529 std
Battery life with alkaline battery	10,000 measurements (2 AA Alkaline batteries)
Operating temperature	14 to 122° F (-10 to 50° C)
Dimensions (L x W x H)	4.7 x 2.6 x 1.1 in
Weight	0.44 lb

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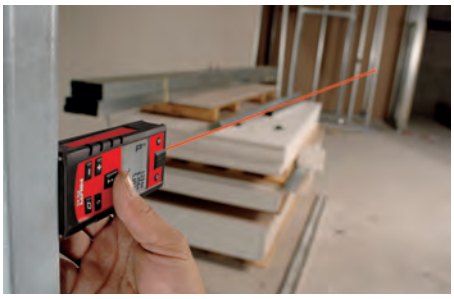

Order Information

Order Description	Package Contents	Item No.
PD 5 Laser Range Meter	Includes tool, PDA 605 tool bag, PDA 615 belt clip, (2) “AAA” alkaline batteries and operating instructions in a cardboard box	02004789
PD 40 Laser Range Meter	Includes tool, PDA 65 soft pouch, (2) “AA” alkaline batteries, hand strap battery compartment key and operating instructions in a cardboard box	00320280
PD 40 Professional Kit	Includes tool, PDA 65 soft pouch, hand strap, (2) “AA” alkaline batteries, battery compartment key, PDA 71 measuring extension and operating instructions in a cardboard box	03428467
PD 42 Laser Range Meter	Includes tool, PDA 65 soft pouch, (2) “AA” batteries, PDA 51 target plate, hand strap, battery compartment key and operating instructions in a cardboard box	00320285
PD 42 Professional Kit	Includes tool, PDA 65 soft pouch, (2) “AA” alkaline batteries, PDA 51 target plate, hand strap, battery compartment key, PDA 71 measuring extension, PDA 52 target plate and operating instructions in a cardboard box	03428468

Accessories

Order Description		PD 4	PD 5	PD 40	PD 42	Item No.
PDA 60 Hand Strap		■		■	■	00282389
PDA 50 Target Plate Increases measuring range over long distances and in unfavorable lighting conditions; size: 5.12" x 4.72"		■	■	■	■	00282388
PDA 52 Target Plate Increases measuring range over long distances and in unfavorable lighting conditions; size: 11.65" x 8.26"		■	■	■	■	00226879
PUA 60 Laser Visibility Glasses For improved visibility of the laser spot or line		■	■	■	■	00284988
PDA 71 Measuring Extension Extension used with the PD 40 and PD 42 for convenient measuring from floors to ceilings and from difficult-to-reach locations; size: 50"				■	■	00226878

PMP 42 Plumb Laser

Features and Applications

- Two laser beams for ease of use
- Fixed foot with integrated magnets to attach to drywall tracks for greatest ease of use
- Transfer fastening points from floors to ceilings
- Transfer plumb point from drywall track to ceiling
- Vertical alignment of windows and doors
- New impact protection system with rugged inner pendulum housing for greatest durability

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PULSE POWER

Technical Data	PMP 42
Accuracy at 30' (10 m)	± 1/8" (3 mm)
Self-leveling range	±5°
Measuring distance	min / max 3'/100' (1 m/30 m)
Laser class	class II
IP protection class (except battery compartment)	IP 54
Operating temperature range	14 to 122° F (–10 to 50° C)
Battery type	Alkaline (4 AA)
Operating time with alkaline battery	50 h
Dimensions (L X W X H)	4-1/5 X 2-1/2 X 3-3/4 in (107 x 65 x 96 mm)
Weight	15.16 ounces (430 grams)

PMP 45 Point Laser

Features and Applications

- Five laser beams for maximum versatility
- Fixed foot with integrated magnets to attach to drywall tracks for greatest ease of use
- Transfer fastening points from floors to ceilings
- Transfer plumb point from drywall track to ceiling
- Vertical alignment of windows and doors
- Setting out drywall tracks for partitioning
- New impact protection system with rugged inner pendulum housing for greatest durability

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PULSE POWER

Technical Data	PMP 45
Accuracy at 30' (10 m)	± 1/8" (3 mm)
Self-leveling range	±5°
Measuring distance	min / max 3'/100' (1 m/30 m)
Laser class	class II
IP protection class (except battery compartment)	IP 54
Operating temperature range	14 to 122° F (–10 to 50° C)
Battery type	Alkaline (4 AA)
Operating time with alkaline battery	30 h
Dimensions (L X W X H)	4-1/5 X 2-1/2 X 3-3/4 in (107 x 65 x 96 mm)
Weight	14.56 ounces (413 grams)

PML 42 Line Laser

Features and Applications

- Two laser lines for maximum versatility
- Level junction boxes, cable trays, radiators, pipe installations and suspended ceilings
- Level and align doors and windows
- Transfer reference heights
- Vertical alignment of pipes
- New impact protection system with rugged inner pendulum housing for greatest durability

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PULSE POWER

Technical Data	PML 42
Accuracy at 30' (10 m)	± 1/16" (1.5 mm)
Self-leveling range	±5°
Measuring distance	min / max 3'/100' (1 m/30 m)
Laser class	class II
IP protection class (except battery compartment)	IP 54
Operating temperature range	14 to 122° F (–10 to 50° C)
Battery type	Alkaline (4 AA)
Operating time with alkaline battery	30 h
Dimensions (L X W X H)	4-1/5 X 2-1/2 X 3-3/4 in (107 x 65 x 96 mm)
Weight	15.16 ounces (430 grams)

PMC 46 Combilaser

Features and Applications

- The complete solution for leveling, aligning, plumbing and squaring applications — everything you need in one tool
- Transfer reference heights
- Vertical alignment of pipes
- Level junction boxes, cable trays, radiators and pipe installations
- Level and align doors and windows
- Set out drywall tracks for partitioning
- Transfer fastening points from floors to ceilings
- New impact protection system with rugged inner pendulum housing for greatest durability

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PULSE POWER

Technical Data	PMC 46
Accuracy of laser point at 30' (10m)	± 1/8" (3 mm)
Beam accuracy at 30' (10 m) line length	± 1/16" (1.5 mm)
Self-leveling range	±5°
Operating distance	min / max 30'/100' (10 m/30 m)
Laser class	635 nm, class II
IP protection class (except battery compartment)	IP 54
Operating temperature range	14 to 122° F (–10 to 50° C)
Battery type	Alkaline (4 AA)
Operating time with alkaline battery	20 h
Dimensions (L X W X H)	4-1/5 X 2-1/2 X 3-3/4 in (107 x 65 x 96 mm)
Weight	14.56 ounces (413 grams)

Order Information

Order Description	Package Contents	Item No.
PMP 42 Plumb Laser	Includes tool, removable foot, pouch, (4) AA batteries, operating instructions, and a producer certificate in a cardboard box	00411282
PMP 45 Point Laser	Includes tool, removable foot, pouch, (4) AA batteries, operating instructions, and a producer certificate in a cardboard box	00411279
PML 42 Line Laser	Includes tool, removable foot, pouch, (4) AA batteries, operating instructions, and a producer certificate in a cardboard box	00411283
PMC 46 Full Solution	Includes tool, removable foot, soft pouch, PMA 78 universal adapter, PMA 20 compact tripod, (4) AA batteries, producer's certificate, operating instructions in a Hilti kit box	00411210

Accessories

Order Description	PMP 42	PMP 45	PML 42	PMC 46	Item No.
PMA 31 Laser Receiver	■	■	■	■	00411288
PMA 78 Universal Adapter The Universal Adapter for mounting the PM4x Generation Combilasers. It replaces wall mounts, ceiling clamps, magnetic brackets and drywall stands.	■	■	■	■	00411286
PMA 20 Compact Tripod The PMA 20 compact tripod is extendable up to 47" (1.2 m) and fits neatly within the case. The user is able to set up the system quickly anywhere on the jobsite.	■	■	■	■	00411287
PUA 10 Telescopic Brace For use with the PMA 78 Universal Adapter adapter, length 4' 5" to 12' 5" (1.37 m to 3.81 m)	■	■	■	■	00378038
PMA 55 Target Plate (in) Enhances the visibility of the laser point; inch scaling	■	■	■	■	00411290
PMW Fixed Foot Use with the PMP 42 and PMP 45 for drywall track	■	■	■	■	00411292

PRI 2 Rotating Laser

Features and Applications

- Fully automatic horizontal and vertical leveling
- 360° remote control for easy, convenient operation
- Out of level indicator reduces errors
- Four handle Hilti design for added tool protection and easy handling
- Optional rechargeable battery pack for hours of continued use

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Technical Data	PRI 2
Accuracy (at 75° F)	±1/8 in at 100 ft
Operating range with laser receiver	14 ft - 1,000 ft (Diameter)
Self leveling range	± 5 °
Laser class	635 nm, class 3R (IEC 825-1), Class IIIa as per FDA 21 CFR Standard
Protection class	IP 54 as per IEC 529 std
Operating temperature	-4 to 122° F (-20 to 50° C)
Battery type	Alkaline (2 D)
Dimensions (L x W x H)	7.4 x 7.4 x 7.6 in
Weight	3.5 lb

PRE 3 Rotating Laser

Features and Applications

- World class, large laser receiving window with digital measurement that quickly localizes the laser beam
- Digital measurement: precise visual confirmation of how much you are above or below your desired level
- Single-button control for quick, simple operation
- Powered by Li-Ion battery pack with CPC technology giving 40 hours of continuous running time

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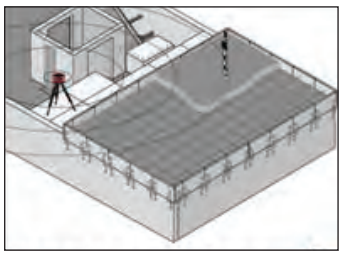
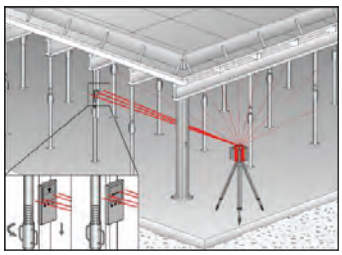
PULSE POWER

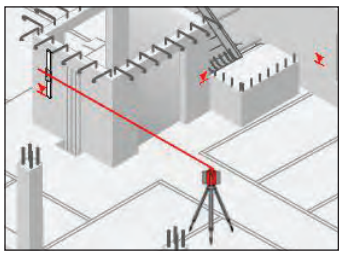
Technical Data	PRE 3
Accuracy (at 75°F)	± 1/16 in at 100 ft
Operating range with laser receiver	Up to 1300 ft (diameter)
Self-leveling range	± 5°
Laser class	Class 2, visible 635 nm
IP protection	IP 56 as per IEC 60529
Operating temperature	-4 to 122° F (-20 to 50° C)
Battery type	Li-Ion rechargeable (7.2 V)
Dimensions (L x W x H)	10 x 10 x 8 in
Weight	5.3 lb



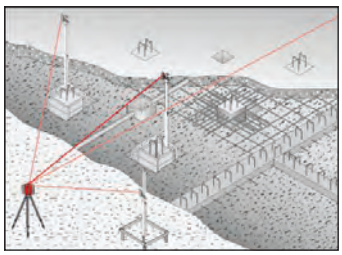
Pour concrete



Level framework



Transfer heights



Check heights

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PR 35 Rotating Laser

NEW!

Features and Applications

- Fast, one-person operation using auto alignment
- Easily create control lines (with help of the batter board adapter and the batter board receiver holder) using the auto align function and surveillance
- RF remote pairing and all-in-one laser receiver and remote control for one person tool set-up
- Digital offset measurement on the laser receiver/remote control results in significant time savings
- Internal damping system, reinforced glass fiber housing, and four rubber handles help ensure the PR 35 performs even under the toughest jobsite conditions

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Technical Data	PR 35
Accuracy (at 75° F)	±1/11 in at 100 ft
Operating range with laser receiver	6 ft - 1,000 ft (Diameter)
Self leveling range	± 5 °
Laser class	Highly visible (red) laser, 635 nm, Class II
Protection class	IP 56
Operating temperature	-4 to 122° F (-20 to 50° C)
Battery type	Rechargeable Li-Ion (7.2 V)
Dimensions (L x W x H)	10 x 10 x 8 in
Weight	5.3 lb

PR 26 Rotating Laser

Features and Applications

- Green laser provides four times greater visibility than red class 3 lasers
- Rechargeable battery pack comes standard with tool (NiMh)
- Perfect for laying out distances in bright conditions
- PRA 26 remote control and electronic receiver in one device

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Technical Data	PR 26
Accuracy (at 75° F)	±3/32 in at 60 ft
Operating range	Receiver: 6 ft - 975 ft (Diameter) Remote Control: 0 ft - 325 ft (Diameter)
Self leveling range	±5°
Laser class	Class 3A, visible, 532 nm, < 4.5 mW (IEC 825-1 / EN 60825-1:2007)
Protection class	IP 56
Operating temperature	-4 to 113° F (-20 to 45° C)
Battery type	Rechargeable NiMh
Dimensions (L x W x H)	7.3 x 7.3 x 8.4 in
Weight	5.31 lb

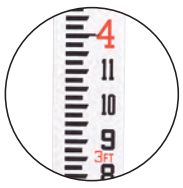
Order Information

Order Description	Package Contents	Item No.
PRI 2 Rotating Laser	Includes tool, PRA 2 remote control, PRA 51 target plate, (2) “D” alkaline batteries and operating instructions in an impact-resistant plastic tool box	00331411
PRI 2 Interior Kit Rechargeable	Includes tool, PRA 71 wall mount bracket, PRA 2 remote control, PRA 51 target plate, (2) “D” alkaline batteries, PRA 801 battery pack, PUA 80 battery charger and operating instructions in an impact-resistant plastic tool box	03428196
PRI 2 Interior Kit	Includes tool, PRA 71 wall mount bracket, PRA 2 remote control, PRA 51 target plate, (2) “D” alkaline batteries and operating instructions in an impact-resistant plastic tool box	03427904
PRE 3 Rotating Laser	Includes tool, PRA 31 laser receiver, PRA 84 Li-ion battery pack, PRA 80 laser receiver holder, PRA 85 mains adapter, (2) “AA” alkaline batteries and operating instructions in an impact-resistant plastic tool box	00211939
PR 35 Rotating Laser	Includes tool, PR 35 remote control laser receiver, PRA 80 laser receiver holder, PRA 84 battery pack, PRA 85 main adapter, PRA 51 target plate, operating instructions, producer certificates and (2) “AA” alkaline batteries for the PRA 35 remote control laser receiver	00426380
PR 26 Rotating Laser	Includes tool, rechargeable battery with charger, PRA 26 laser receiver, (2) batteries (type AA, alkaline), PRA 54 target plate and operating instructions in an impact-resistant plastic tool box	00388030
PR 26 Interior Kit w/ Wall Mount Bracket	Includes tool and its components plus PRA 71 wall mount bracket and PRA 61 soft pouch	03443128
PR 26 Interior Kit w/ Tripod	Includes tool and its components plus PUA 32 tripod, PRA 61 soft pouch and PUA 40 tripod bag	03443129

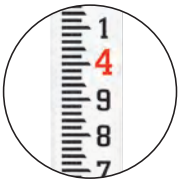
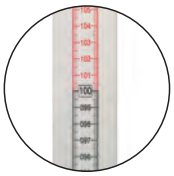
Accessories

Description		PRI 2	PRE 3	PR 35	PR 26	Item No.
PRA 51 Target Plate (Red) Small magnets allow for overhead mounting in ceiling applications to dramatically improve visibility of laser spot		■	■	■		00285416
PRA 54 Target Plate (Green) Small magnets allow for overhead mounting in ceiling applications to dramatically improve visibility of laser spot					■	00226976
PRA 38 Laser Receiver		■				00430468
PRA 25 Laser Receiver/ Remote Control Use with PR 25-IF, remote control and electronic receiver				■		00286212
PRA 26 Laser Remote Control and Electronic Receiver					■	00388031
PRA 31 Laser Receiver			■	■		00426387
PRA 35 Laser Receiver/Remote Control				■		00426385
PRA 2 Remote Control		■				00331418
PRA 61 Soft Pouch Use with PRA 25, PRA 26, PRA 30 and PRA 31 soft tool case with integrated belt loop for easy carrying			■	■	■	00206849
PRA 75 Laser Receiver Holder For attaching the PRA 20, PRA 25 or PRA 26 to a leveling staff (not needed with the PA 960 leveling staff)					■	00282837
PRA 80 Laser Receiver Holder For use with the PRA 30, PRA 31 and PRA 38 Laser Receivers		■	■	■		00360058
PRA 78 Slope Adapter For manually sloping PR 16, PR 20, PR 25-IF, PR 26 or PRE 3 up to 31° (60% slope)			■	■	■	00360059
PRA 52 Slope Calculator Converts degree or percent slope to feet/inches and meters/centimeters			■	■		00282838

Accessories

Description	PRI 2	PRE 3	PR 35	PR 26	Item No.
PRA 71 Wall Mount Bracket For mounting the PRI 2, PRE 3, PR 26 and PR 25-IF to wall, tripod, column or stud	■	■	■	■	00285315
PRA 760 Facade Adapter Mounts the PR 25-IF, PR 26 and PR 35 to a building to align the facade.			■	■	00435439
PRA 750 Batter Board Adapter Use with the PR 26, PR 25-IF and PR 35 to align building foundations			■	■	00435441
PRA 751 Laser Receiver Holder Use for mounting the PRA 25, PRA 26 and PRA 35 to align building foundations when used with the corresponding rotating laser and the PRA 750 Batter Board Adapter.			■	■	00435442
PUA 20 Tripod Height adjustable tripod (3 ft 5 in to 5 ft 5 in) with 5/8" thread - Heavy-duty design with metal tripod head - Spiked feet with self-locking leg mechanism for steady outdoor applications	■	■	■	■	00400934
PUA 32 Crank Tripod (cm/in) Ideal tripod for heights ranging from 2 ft 2 in to 9 ft 5 in (0.86 m to 2.87 m) - Integrated measuring scale allows accurate tool positioning	■	■	■	■	00233904
PA 921 Crank Tripod The PA 921 is the type of tripod most frequently encountered in interior finishing and perfect for transferring benchmarks (datum marks). Height adjustable crank tripod (2 ft 3 in to 4 ft 9 in) with 5/8 in thread, built-in bubble level for quick, easy setup	■	■	■	■	00378663
PUA 40 Tripod Bag For carrying tripod and leveling staff	■	■	■	■	00377847
PUA 56 Telescopic Staff (cm/in) Fractional/Metric staff with a maximum height of 7 ft 11 in (2.4 m) - High-grade anodized aluminum - Built-in holder for mounting the PRA 30, 31, and PRA 35 - Offsets can be easily calculated by extending or retracting the lower section of the staff from the zero reference mark - Built-in bubble level	■	■	■	■	00435445
PA 961 Leveling Staff (ft/in) Fractional staff with a maximum height of 16 ft (4.88 m) - High-grade fiberglass reinforced plastic, electrically non-conductive, suitable for outdoor applications - Screw mounting point for attaching the PA 350, PRA 20 or PRA 25 laser receivers directly to the staff for measuring different heights - Adjustable/removable bubble level 	■	■	■	■	00338652

Accessories

Description		PRI 2	PRE 3	PR 35	PR 26	Item No.
PA 962 Leveling Staff (ft/tenths) Feet/Tenths staff with a maximum height of 16 ft (4.88 m) - High-grade fiberglass reinforced plastic, electrically non-conductive, suitable for outdoor applications - Screw mounting point for attaching the PA 350, PRA 20 or PRA 25 laser receivers directly to the staff for measuring different heights - Adjustable/removable bubble level		■	■	■	■	00339671
PA 951 Leveling Staff (cm) Metric staff with a maximum height of 16 ft (4.88 m) - High-grade fiberglass reinforced plastic, electrically non-conductive, suitable for outdoor applications - Screw mounting point for attaching the PA 350, PRA 20 or PRA 25 laser receivers directly to the staff for measuring different heights - Adjustable/removable bubble level		■	■	■	■	00338129
PUA 60 Laser Visibility Glasses Dramatically improves visibility of laser spot or line		■	■	■	■	00284988
PRA 80 Rechargeable Battery Kit Includes PRA 801 battery pack and PUA 80 charger					■	00284144
PRA 801 Battery Pack Battery pack includes NiMH battery and battery holder					■	00282834
PUA 80 Battery Charger Use with PS 200, PRI 2, PR 20, PR 25 and PR 26 rechargeable batteries		■			■	00377460
PRA 82 Battery Use with PRI 2		■				00331421
PRA 84 Li-Ion Battery Pack Use with PRE 3 and PR 35			■	■		00360055
PRA 85 Mains Battery Charger Use when charging the PRE 3 and PR 35			■	■		00360056

POL 10 Optical Level

NEW!

Features and Applications

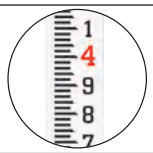
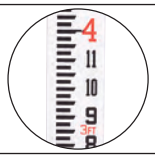
- Measuring, checking and transferring heights
- Checking heights and levels when pouring concrete
- Checking and adjusting formwork
- High quality optics for excellent staff readings
- Automatic compensator for accurate levelling

Technical data	POL 10
Height accuracy (single measurement)	±1/8 in @ 100 ft
Magnification of telescopic sight	20x
Shortest target distance	2.1 ft
Setting accuracy of compensator	0.5 arcsec
Sensitivity of circular bubble level	8' / 2mm
Graduation of circle	360 °
Operating Temp. Range	-4 to 122 °F (-20 to 50° C)
Compensator type	air-damping
Dimensions (L x W x H)	7.48 x 5.12 x 5.35 in
Weight	4 lb

Order Information

Order Description	Package Contents	Item No.
POL 10 Optical Level	Includes tool, plumb bob, adjusting screws and user manual in an impact-resistant plastic tool box	00428300

Accessories

Description		Item No.
PUA 42 Bubble Level Small accesory to make sure the measuring rod is held vertically		00428688
PUA 43 Plate		00428690
PA 962 Leveling Staff Feet/Tenths staff with a maximum height of 16' (4.88 m) - High-grade fiberglass reinforced plastic, electrically non-conductive, suitable for outdoor applications - Screw mounting point for attaching the PA 350, PRA 20 or PRA 25 laser receivers directly to the staff for measuring different heights - Adjustable/removable bubble level		00339671
PA 961 Leveling Staff Fractional staff with a maximum height of 16' (4.88 m) - High-grade fiberglass reinforced plastic, electrically non-conductive, suitable for outdoor applications - Screw mounting point for attaching the PA 350, PRA 20 or PRA 25 laser receivers directly to the staff for measuring different heights - Adjustable/removable bubble level		00338652
PUA 20 Tripod Height adjustable tripod (3 ft 5 in to 5 ft 5 in) with 5/8" thread - Heavy-duty design with metal tripod head - Spiked feet with self-locking leg mechanism for steady outdoor applications		00400934

PP 10 and PP 25 Pipe Lasers

Features and Applications

- Very wide self-leveling feature and long working range
- Extremely compact design
- Up to 24 hours of continuous operation
- Special target plate for enhanced laser beam visibility even in poor light conditions
- Water and dust resistant

Technical Data	PP 10/25
Accuracy	± 1/16 in at 60 ft
Self leveling range	± 10 %
Max. operating range	492 ft
Laser class	Class 3R, visible, < 5 mW
Protection class	IP X7
Operating temperature	-4 to 122 °F (-20 to 50° C)
Battery life with optional alkaline battery pack	45 h
Battery life with NiMH battery	32 h
Dimensions (L x W x H)	13 x 4.8 x 4.8 in
Weight	8.4 lb

Order Information

Order Description	Package Contents	Item No.
PP 25 Pipe Laser — Green Beam	Includes tool with battery pack, PPA 20 remote control, 4x PPA 30 footscrew sets (150, 200, 250, 300 mm), PPA 82 battery pack, PPA 89 battery charger, PPA 74 target plate holder, PPA 57 small blue target plate, PPA 55 big blue target plate, (4) “AAA” alkaline batteries and operating instructions in an impact-resistant plastic tool box	00428238
PP 10 Pipe Laser — Red Beam	Includes tool, PPA 20 remote control, (4) PPA 30 footscrew sets (150 mm, 200 mm, 250 mm, 300 mm), PPA 82 battery pack, PPA 89 battery charger, PPA 74 target plate holder, PPA 58 small red target plate, PPA 56 large red target plate, (4) AAA alkaline batteries and operating instructions in an impact-resistant plastic tool box	00428235

PPA 75 Height Adapter
Item No. 00428678
(Pipe laser sold separately)

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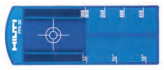
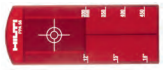
Accessories

Order Description		PP 10	PP 25	Item No.
PPA 20 Remote Control		■	■	00428239
PPA 75 Height Adapter		■	■	00428678
PPA 73 Tripod Adapter		■	■	00233802
PPA 74 Target Plate Holder		■	■	00233812
PPA 84 Connecting Cable		■	■	00233797
PPA 83 Battery Box (D cell batteries)		■	■	00233799
PPA 55 Lg Blue Target Plate (9 x 4.7 in)			■	00233808
PPA 57 Sm Blue Target Plate (7.3 x 3.9 in)			■	00233810
PPA 56 Lg Red Target Plate (9 x 4.7 in)		■		00233809
PPA 58 Sm Red Target Plate (7.3 x 3.9 in)		■		00233811
PPA 82 Rechargeable NiMh Battery Pack		■	■	00233798
PPA 89 Battery Charger Adapter (120 V) Used with the PPA81 Charging Adaptor (00228378) to charge the PPA 82 Rechargeable NiMh Battery Pack		■	■	00428677

Detection Tool Selection Matrix

		Ferrous metal	Non-ferrous metal	Plastic/ non-ferrous objects	Live wire	Multiple layers	Transfer points	Concrete coverage	Rebar diameter	Maximum Range in inches
PX 10 Transpointer[1]							■			54"
PS 30 Ferrodetector[1]		■	■							4-3/4"
PS 35 Ferrodetector[1]		■	■					■		4-3/4"
PS 38 Multidetector[2]		■	■	■	■					4-3/4"
PS 200 Ferroscan[1]		■						■	■	6-1/4"
PS 1000 X-Scan[2]		■	■	■	■	■				12"

1 Magnetic induction
2 Pulse radar

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PS 30 and PS 35 Ferrodetectors

Features and Applications

- Location detection to help avoid rebar, copper and aluminium pipes when drilling
- Clear indication of detection with the red / green LED
- Ruggedly built for jobsite conditions
- PS 30: Unmatched localization accuracy
- PS 35: Determines the position and depth of existing rebars for post-installed rebar connections
- PS 35: Check concrete cover over reinforcement for trouble-free anchor setting

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PULSE POWER

Technical Data	PS 30	PS 35
Max. detection depth for rebar (Imperial)	4.75 in	4.75 in
Max. detection depth for non-ferrous metal objects	3.15 in	3.15 in
Operating Temperature Range	5 to 122° F (-15 to 50 °C)	5 to 122° F (-15 to 50 °C)
IP protection class	IP 54 as per IEC 529 std	IP 54 as per IEC 529 std
Battery type	Alkaline (4 AAA)	Alkaline (4 AAA)
Operation time with Alkaline battery	10 h	8 h
Dimensions (L x W x H)	9.06 x 3.9 x 1.8 in	9.06 x 3.9 x 1.8 in
Weight with Batteries	1 lb	1 lb

PS 38 Multidetector

NEW!

Features and Applications

- Built-in display for easy location of objects detected plus indication of approximate embedment depth and type of material
- Detects metal, wood or plastic objects, electrical conduits at depths up to 4-3/4"
- Locates objects under the surface of structures like pipes and cable runs prior to drilling, coring or sawing
- Drill anchor holes or through penetrations with confidence
- Locate studs for efficient fastenings

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PULSE POWER

Technical data	PS 38
Max. detection range for object localization	4.75 in
Minimum distance between two neighboring objects	1.5 in
Localization accuracy	±0.2 in
Accuracy of depth indication	±0.4 in
Operation time with alkaline battery	5 h
Operating Temperature Range	14 to 122 °F (-10 to 50° C)
Dimensions (L x W x H)	7.7 x 3.6 x 3 in
Weight with Batteries	1.4 lb

Order Information

Order Description	Package Contents	Item No.
PS 30 Ferrodetector	Includes tool, PDA 60 Hand Strap, 4 AAA batteries, PSA 66 Pouch, 2 markers, Producer Certificate and operating instructions in a cardboard box	00407920
PS 35 Ferrodetector	Includes tool, PDA 60 Hand Strap, (4) AAA batteries, PSA 66 Pouch, 2 markers, Producer Certificate and operating instructions in an impact-resistant plastic tool box	00407960
PS 38 Multidetector	PS 38 Multidetector, PSA 67 Pouch, PUA 70 Marker Set, PDA 60 Hand Strap, 4 AA batteries, Producer Certificate and operating instructions in an impact-resistant plastic tool box	00424920

As of print date, open for sale in Canada only. Avialable in the U.S. summer 2012.

PS 1000 X-Scan System

PS 1000 Scanner

PSA 100 Monitor

NEW!

Features and Applications

- Locating rebar, PT cable, metal and plastic conduit, glass-fiber cable, voids and wood in dry concrete structures at depths of up to 12 inches (300 mm)
- Provides a real-time view of the inside of concrete structures and generates true images automatically for on-site evaluation of scan data by the user — no expert skills required
- Features three scan modes for specific applications: Quickscan detection, Quickscan recording and Imagescan (2-D and 3-D data visualization with top view and cross sectional views)
- Compact, all-in-one hand-held scanner offers easy, user-friendly operation
- Powerful monitor unit for in-depth, on-site scan analysis plus PC software for subsequent data evaluation and documentation
- Quality assessment and checking rebar and PT cable layout (e.g. curvature, density, depth)
- Inspection of floors, decks, slabs and balconies

HILTI FLEET MANAGEMENT

HILTI CALIBRATION SERVICE

PULSE POWER

HILTI LIFETIME™ SERVICE — 2 Years NO COSTS — Lifetime REPAIR COST LIMIT — Lifetime MANUFACTURERS WARRANTY

Technical Data	PS 1000
Max. detection range for object localization	12 in
Localization accuracy	+/- 0.5 in
Accuracy of depth indication (Imperial)	< 4 in: +/- 0.5 in > 4 in: +/- 15% in
IP protection class	IP 54, battery IP 56
Operating Temperature Range	5 to 122 °F (-15 to 50° C)
Operation time with Li-Ion battery pack (scanner only)	4 h
Scanner dimensions	12.5 in x 5.6 in x 7.5 in
Scanner weight (includes battery)	5.4 lb

Disclaimer: Performance dependant on object type, depth, spacing and size as well as base material type and condition

Order Information

Order Description	Package Contents	Item No.
PS 1000 X-Scan System	Scanner, hand strap, battery packs (3), mains adapter (2), monitor, monitor pouch, PROFIS PS 1000 data cable, connecting cable, headset, reference grids PSA 13 (5), reference grids PSA 15 (2), adhesive tape, markers, brush, torque wrench, cleaning cloth, data module, operating instructions, producer certificate, packed in a Hilti trolley	03484549
PS 1000 X-Scan (Monitor not included)	Scanner, hand strap, battery pack (2), mains adapter, memory card, adapter, PROFIS PS 1000, reference grids PSA 13 (5), reference grids PSA 15 (2), adhesive tape, markers, brush, torque wrench, cleaning cloth, data module, operating instructions, producer certificate, packed in a Hilti case	03484548
PSA 100 Monitor (Scanner not included)	Monitor, tool bag, battery pack, mains adapter, data cable, connecting cable, data module, operating instructions, producer certificate, packed in a cardboard box	02006082

PS 200 Ferroscan System

Features and Applications

- Scans can be evaluated on the monitor or transferred to a PC or laptop for further evaluation and report generation
- Wireless operation — makes performing scans fast and easy
- Fast data download via infrared beam from scanner to monitor
- Scanner stores up to 9 Imagescans or 100 linear feet of Quickscans
- Integrated LCD display makes setting up the scan easy while providing information over the scanning process

HILTI FLEET MANAGEMENT

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Technical Data	PS 200
Accuracy	Depth of Coverage: ± 10% typical when the ratio of spacing to depth of coverage ≥ 2:1
Protection class	IP 54 as per IEC 529 std
Battery type	Rechargeable NiMH
Operation time with NiMH battery	8 h
Operating temperature	14 to 122° F (-10 to 50° C)
Monitor dimensions	10.4 x 2.2 x 6 in
Scanner dimensions	10.3 x 5.2 x 5.2 in
Monitor weight (incl. battery)	3.1 lb
Scanner weight (incl. battery)	3.1 lb

Order Information

Order Description	Package Contents	Item No.
PS 200 Ferroscan System	Includes PS 200 S scanner, PS 200 M monitor, 32 MB memory card, headset, (2) battery packs with chargers, reference grids, adhesive tape, marker set, USB data cable, PC-software on CD-ROM, (2) soft pouches, hand strap, carrying belt, operating instructions in an impact-resistant plastic tool box	00377642

PS 200 Measurement Range (inches)*

Standard diameter as per ACI standard 318-106 (inches)	#3 3/8	#4 4/8	#5 5/8	#6 6/8	#7 7/8	#8 1	#9 1.13	#10 1.27	#11 1.41
Max depth (in) for image processing	5.5	5.9	6.3	6.3	6.3	6.3	6.5	6.8	7.1
Max depth (in) for determining depth of coverage	3.8	4.1	4.3	4.3	4.3	4.3	4.8	5.3	5.9
Max depth (in) for determining diameter	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4

PS 200 Measurement Range (mm)*

Standard diameter as per Canadian CPCI (mm)	#10	#15	#20	#25	#30	#36
Max depth (mm) for image processing	150	160	160	160	170	180
Max depth (mm) for determining depth of coverage	100	110	110	110	130	150
Max depth (mm) for determining diameter	60	60	60	60	60	60

*Typical

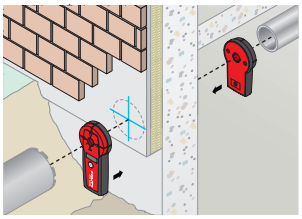
Accessories

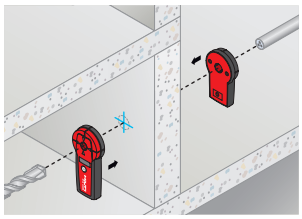
Description	PS 200	PS 1000 X-Scan	PS 1000 X-Scan System	PSA 100 Monitor	Item No.
PSA 100 Monitor (Scanner not included)		■	■		02006082
PSA 82 Battery Pack For PSA 100			■	■	02006183
PSA 81 Battery Pack For PSA 1000		■	■		02006182
PUA 82 Car Battery Plug For PSA 81 and PSA 100		■	■	■	02006180
PUA 81 AC Adapter For PSA 81 and PSA 100		■	■	■	02006089
PSA 95 Memory Card		■	■		02006184
PSA 96 Adapter USB memory stick		■	■	■	02006187
PSA 50 Connecting Cable 2 m, for data transfer PS 1000 — PSA 100		■	■	■	02006185
PSA 51 Connecting Cable 10 m, for data transfer PS 1000 — PSA 100		■	■	■	02006186
PSA 80 Battery Pack Battery pack for scanner or monitor	■				00377472
PUA 80 Battery Charger Use with PS 200, PR 20 and PR 25 rechargeable batteries	■				00377460
PSA 91 Memory Card MMC MMC	■				00305141
PSA 94 Memory Card SD SD	■				00319911
PSA 13 Reference Grid 23.5 x 23.5 in		■	■		02006084
PSA 15 Reference grid 47 x 47 in		■	■		02006086
PSA 10 Nylon Reference Grid — Metric 5 pack	■				00377654
RG 10 Paper Reference Grid — Fraction (pkg of 10) 10 pack	■				00235890
PSA 11 Nylon Reference Grid — Imperial (Fractional) 5 pack	■				00377655
PUA 90 Adhesive Tape Designed specifically for adhering to concrete. Use to hold grid paper in place while scanning work area	■	■	■		00319362
PUA 70 Marker pen set For marking on surfaces	■	■	■		00340806

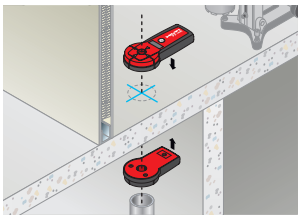
PX 10 Transpointer

Features and Applications

- Eliminate time consuming procedures such as drilling pilot holes, manual measuring and “trial and error” measuring
- Reduce inconvenient overhead drilling by locating points through a floor or wall allowing holes to be drilled from either side
- Single person operation with use of adhesive putty
- Ability to measure wall and ceiling thickness of most materials (i.e. wood, drywall, block and concrete with or without rebar)
- Large window displays measurements of wall and ceiling thickness of most materials







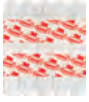
Technical Data	PX 10
Operating range	2" to 4'5" (in all directions)
Accuracy* (tool positioning)	Average conditions: ± 0.32" for every 7.87" thickness up to 3.28' Ideal conditions: ± 0.08" for every 7.87" thickness up to 3.28' (w/o metal influence)
Wall thickness	Average conditions: ± 5% of thickness up to 3.28'
Slope adapter	± 2°
Operating temperature	PX 10T, PX 10R, PUA 91 -4 to 131° F PUA 92 50 to 104° F
Protection class	IP 56
Battery type	9V Alkaline
Operating time with alkaline battery	17 hours
Dimensions	PX 10T: 3.7 x 6.2 x 1.2 in PX 10R: 3.7 x 8.2 x 1.2 in
Weight	PX 10T: .53 lb (240 g) PX 10R: .61 lb (275 g)

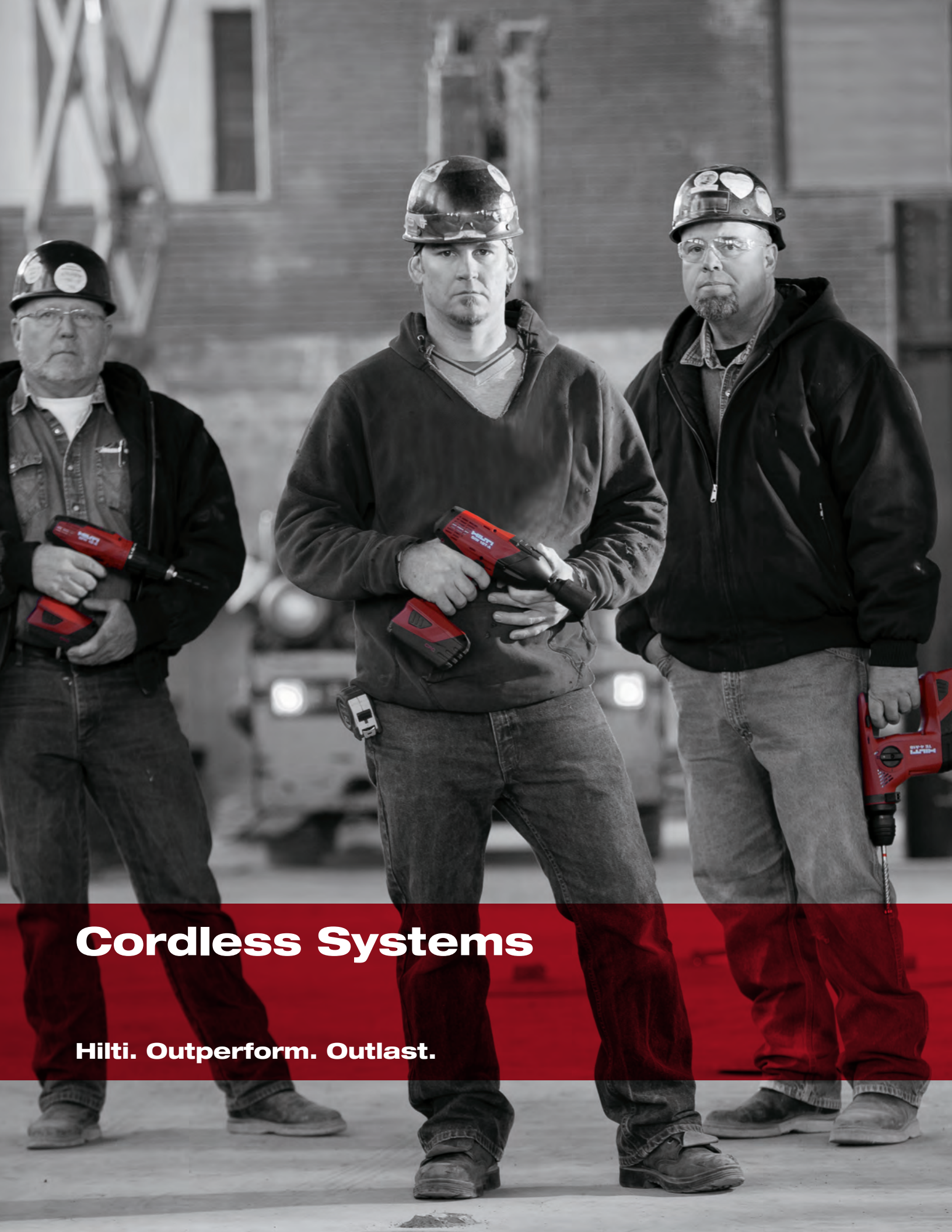
* Accuracy may be significantly reduced by irregular positioned rebars, welded reinforcing mesh, sheet metal or other metal objects close to the tool. Please refer to the operating instructions for a detailed list of technical data.

Order Information

Order Description	Package Contents	Item No.
PX 10 Transpointer	Includes tool, receiver, (2) hand straps, PUA 91 adhesive putty, PUA 92 adhesive strips, (2) 9 V alkaline batteries and operating instructions in an impact-resistant plastic tool box	00273123
PX 10 Transpointer Kit	Includes tool, receiver, (2) hand straps, PUA 91 adhesive putty, PUA 92 adhesive strips, (2) 9 V alkaline batteries, marker, PXA 70 slope adapter and operating instructions in an impact-resistant plastic tool box	00273125

Accessories

Order Description		PX 10	Item No.
PXA 70 Slope Adapter		■	00273130
PUA 70 Marker Pen Set		■	00340806
PUA 91 Adhesive Putty		■	00273131
PUA 92 Adhesive Strip		■	00273132



Cordless Systems

Hilti. Outperform. Outlast.

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Hilti. Outperform. Outlast.

SID 144-A CPC Impact Driver

Features and Applications

- 2 Year No-Cost Coverage for tool, CPC Li-Ion 2.6 batteries and Li-Ion charger
- High efficiency motor delivers long lasting reliable power
- Three LED lights provide better visibility of work surface
- 1/4" hex quick-release chuck
- Double spindle bearing for longer life

Technical Data	SID 144-A CPC
Voltage	14.4 V
Speed 1 no load	2100 rpm
Speed 2 no load	2700 rpm
Speed control	Electronic
Blows per minute	3400
Max torque	2nd speed: 1239 in-lb 1st speed: 929 in-lb
Chuck style	1/4 in hexagon snap chuck
Dimensions (L x W x H)	6.3 x 2.8 x 9.2 in
Weight (with battery)	3.5 lb
Application Performance	
Screwdriving in metal	#12
Lag Bolts	up to 1/2"
HUS Anchors	up to 3/8"

SIW 144-A CPC Impact Wrench

Features and Applications

- 2 Year No-Cost Coverage for tool, CPC Li-Ion 2.6 batteries and Li-Ion charger
- High efficiency motor delivers long lasting reliable power
- Three LED lights provide better visibility of work surface
- Drop resistant casing for tough jobsite conditions
- Double spindle bearing for longer life

Technical Data	SIW 144-A CPC
Voltage	14.4 V
Speed 1 no load	2100 rpm
Speed 2 no load	2700 rpm
Speed control	Electronic
Blows per minute	3400
Max torque	2nd speed: 1371 in-lb 1st speed: 1026 in-lb
Chuck style	1/2 in square
Dimensions (L x W x H)	6.3 x 2.8 x 9.2 in
Weight (with battery)	3.5 lb
Application Performance	
Screwdriving in metal	#12
Machine Bolts	M6-M16 (1/4" to 5/8")
Lag Bolts	up to 1/2"
HUS Anchors	up to 3/8"

Order Information

Order Description	Package Contents	Item No.
SID 144-A Impact Driver	Includes tool, (2) B 144 Li-Ion 2.6-Ah CPC batteries, C 4/36 Li-Ion CPC charger and an impact-resistant plastic tool box	03418187
SIW 144-A with 6 impact sockets (fixed)	Includes tool, (2) B 144 Li-Ion 2.6-Ah CPC batteries, C 4/36 Li-Ion CPC charger, six (6) standard impact sockets in a soft case: 1/2" S, 9/16" S, 5/8" S, 11/16" S, 3/4" S, 13/16" S and an impact-resistant plastic tool box	03451204
SIW 144-A with 6 impact sockets (flex)	Includes tool, (2) B 144 Li-Ion 2.6-Ah CPC batteries, C 4/36 Li-Ion CPC charger, choice of six (6) impact sockets and an impact-resistant plastic tool box	03451205

SF 144-A CPC Drill/Driver

Features and Applications

- High power-to-weight ratio
- Long-lasting, 100% all metal gears for greater reliability
- CPC lithium-ion 2.6 Ah batteries deliver reliable long lasting power
- Drop-resistant glass-fiber reinforced casing for tough job site conditions
- High efficiency motor delivers reliable power

Technical Data	SF 144-A CPC
Voltage	14.4 V
Speed 1 no load	0-380 rpm
Speed 2 no load	0-1440 rpm
PTI torque	285 in-lb
Max. torque soft joint	292 in-lb
Max. torque hard joint	609 in-lb
Number of torque settings	17-106 in-lb with 15 settings
Chuck style	Keyless, steel jaws, 1/25" to 1/2"
Dimensions (L x W x H)	9.3 x 3.3 x 9.3 in
Weight (with battery)	4.8 lb

SFH 144-A CPC Hammer Drill/Driver

Features and Applications

- High power-to-weight ratio
- 34,200 blows per minute delivers speed in masonry block
- Long-lasting, 100% all-metal gears for greater reliability
- Drop-resistant glass-fiber reinforced casing for tough job site conditions
- Powerful CPC 2.6 Ah lithium-ion cells for reliability

Technical Data	SFH 144-A CPC
Voltage	14.4 V
Speed 1 no load	0-350 rpm
Speed 2 no load	0-1360 rpm
Speed 3 no load	0-1900 rpm
Blows per minute	34,200
PTI torque	306 in-lb
Max. torque soft joint	292 in-lb
Max. torque hard joint	609 in-lb
Number of torque settings	17-106 in-lb with 15 settings
Chuck style	Keyless, Steel jaws 1/25" to 1/2"
Dimensions (L x W x H)	10.3 x 3.3 x 9.4 in
Weight (with battery)	4.8 lb

Order Information

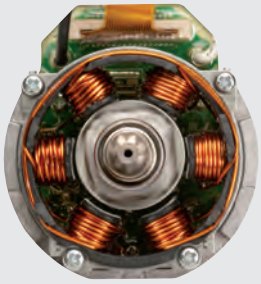
Order Description	Package Contents	Item No.
SFH 144-A Hammer Drill/Driver	Includes tool, (2) B 144 Li-Ion 2.6-Ah CPC batteries, C 4/36 Li-Ion CPC charger, side handle and operating instructions in an impact-resistant plastic tool box	03433407
SF 144-A Cordless Drill Driver	Includes tool, (2) B 144 Li-Ion 2.6-Ah CPC batteries, C 4/36 Li-Ion CPC charger, side handle and operating instructions in an impact-resistant plastic tool box	03431126

Lifetime and productivity increase with impact.

New Hilti 18 volt impact drivers and wrenches are powered by brushless motors.

Longer lifetime:

- No brushes or commutator to wear out
- Sealed electronics helps protect against dust and humidity
- Intelligent electronic power switch helps prevent burn outs



Higher productivity:

- More work per charge
- Efficient hammering mechanism delivers more energy to your applications
- High efficiency brushless motor

SID 18-A CPC Compact Impact Driver

NEW!

Features and Applications

- 1.6-Ah compact batteries for lighter weight
- High efficiency brushless motor delivers long lasting reliable power
- Four LED lights provide better visibility of work surface
- 1/4" hex quick-release chuck
- Sealed electronics for additional protection against dust, chips and humidity

HILTI 2 Years LIFETIME™ SERVICE NO COSTS | Lifetime REPAIR COST LIMIT | Lifetime MANUFACTURERS WARRANTY

Technical Data	SID 18-A CPC Compact
Voltage	18+ V
Speed 1 no load	1000 rpm
Speed 2 no load	1500 rpm
Speed 3 no load	2500 rpm
Speed control	Electronic
Blows per minute	3450
Max torque	3rd speed: 1,460 in-lb 2nd speed: 973 in-lb 1st speed: 531 in-lb
Chuck style	1/4 in hexagon snap chuck
Dimensions (L x W x H)	5.9 x 3.7 x 8.9 in
Weight (with battery)	3.2 lb
Application Performance	
Screwdriving in metal	#12
Lag Bolts	up to 1/2"
HUS Anchors	3/16" to 1/4"

SID 18-A CPC Impact Driver

NEW!

Features and Applications

- 3.3-Ah batteries for the highest work per charge
- Great for concrete form work fastening
- High efficiency brushless motor delivers long lasting reliable power
- Four LED lights provide better visibility of work surface
- 1/4" hex quick-release chuck
- Sealed electronics for additional protection against dust, chips and humidity

HILTI 2 Years LIFETIME™ SERVICE NO COSTS | Lifetime REPAIR COST LIMIT | Lifetime MANUFACTURERS WARRANTY

Technical Data	SID 18-A CPC
Voltage	18+ V
Speed 1 no load	1000 rpm
Speed 2 no load	1500 rpm
Speed 3 no load	2500 rpm
Speed control	Electronic
Blows per minute	3450
Max torque	3rd speed: 1460 in-lb 2nd speed: 973 in-lb 1st speed: 531 in-lb
Chuck style	1/4 in hexagon snap chuck
Dimensions (L x W x H)	5.9 x 3.7 x 9.3 in
Weight (with battery)	3.8 lb
Application Performance	
Screwdriving in metal	#12
Lag Bolts	up to 1/2"
HUS Anchors	3/16" to 1/4"

Hilti. Outperform. Outlast.

SIW 18-A 1/2" CPC Compact Impact Wrench

NEW!

Features and Applications

- 1.6 Ah compact batteries for lighter weight
- Great for metal bolting
- High efficiency brushless motor delivers long lasting reliable power
- Four LED lights provide better visibility of work surface
- 1/2" square drive
- Sealed electronics for additional protection against dust, chips and humidity

Technical Data	SIW 18-A CPC Compact
Voltage	18+ V
Speed 1 no load	1000 rpm
Speed 2 no load	1500 rpm
Speed 3 no load	2300 rpm
Speed control	Electronic
Blows per minute	3500
Max torque	3rd speed: 1,769 in-lb 2nd speed: 1,194 in-lb 1st speed: 796 in-lb
Chuck style	1/2" square
Dimensions (L x W x H)	6.1 x 3.7 x 8.9 in
Weight (with battery)	3.2 lb
Application Performance	
Screwdriving in metal	#12
Lag Bolts	up to 1/2"
HUS Anchors	3/8" to 1/2"

SIW 18-A 1/2" CPC Impact Wrench

NEW!

Features and Applications

- 3.3 Ah batteries for more work per charge
- Best suited for concrete screw anchor or wood work
- High efficiency brushless motor delivers long lasting reliable power
- Four LED lights provide better visibility of work surface
- 1/2" square drive
- Sealed electronics for additional protection against dust, chips and humidity

Technical Data	SIW 18-A CPC
Voltage	18+ V
Speed 1 no load	1000 rpm
Speed 2 no load	1500 rpm
Speed 3 no load	2300 rpm
Speed control	Electronic
Blows per minute	3500
Max torque	3rd speed: 1769 in-lb 2nd speed: 1194 in-lb 1st speed: 796 in-lb
Chuck style	1/2" square
Dimensions (L x W x H)	6.1 x 3.7 x 9.3 in
Weight (with battery)	3.8 lb
Application Performance	
Screwdriving in metal	#12
Lag Bolts	up to 1/2"
HUS Anchors	3/8" to 1/2"

Order Information

Order Description	Package Contents	Item No.
SID 18-A Compact Impact Driver	Includes tool, (2) B 18 C Li-Ion 1.6-Ah CPC batteries, (1) C 4/36 Li-Ion CPC charger and soft bag	03482619
SID 18-A Impact Driver	Includes tool, (2) B18 Li-Ion 3.3-Ah CPC batteries, (1) C 4/36 Li-Ion CPC charger and choice of soft bag or impact-resistant plastic tool box	03482657
SIW 18-A 1/2" Compact Impact Wrench	Includes tool, (2) B 18 C Li-Ion 1.6-Ah CPC batteries, (1) C 4/36 Li-Ion CPC charger and soft bag	03482620
SIW 18-A 1/2" Impact Wrench	Includes tool, (2) B18 Li-Ion 3.3-Ah CPC 18 V batteries, (1) C 4/36 Li-Ion CPC charger and choice of soft bag or impact-resistant plastic tool box plus (1) each impact sockets 3/8", 7/16", 9/16", 13/16", 15/16", 3/4"	03482658

Hilti. Outperform. Outlast.

SIW 18T-A 1/2" CPC
High Torque Impact Wrench

Features and Applications

- 10% more torque in a smaller tool
- More work per charge than competitive high torque tools in the same class
- Finely tuned impact mechanism for maximum efficiency
- Long lasting anvil featuring high grade steel construction and special heat treatment

Technical Data	SIW 18T-A CPC
Voltage	18+ V
Speed (no load)	2000 rpm
Brake	Electronic
Blows per minute	2500
Max torque	332 ft-lb
Chuck style	1/2 in square anvil
Dimensions (LxWxH)	9.13 x 3.7 x 10.16 in
Weight (with battery)	6.6 lb

Application Performance

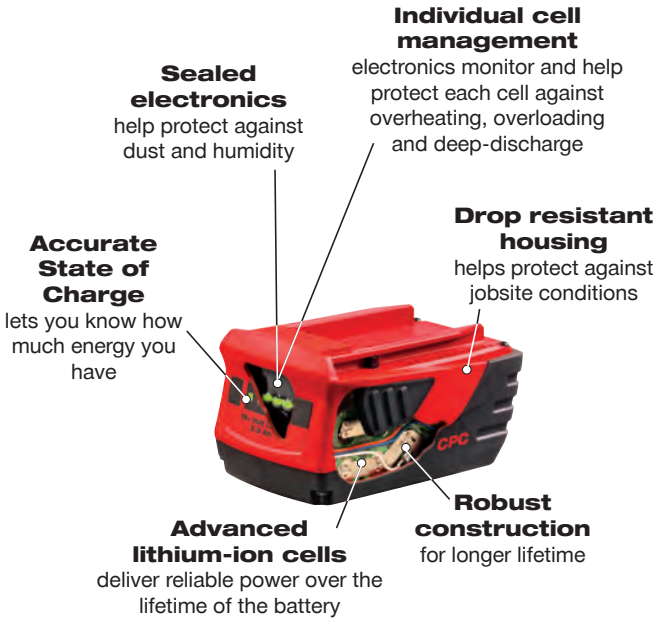
Standard bolts	1/2" to 1"
Driving high strength bolts	5/16" to 5/8"
HUS Anchors	1/2" to 3/4"
Lag bolts in wood	Up to 5/8" (pre-drilling may be necessary)

Outperform — Increase your productivity.

Hilti cordless tools are designed as a system of unique mechanical components (motor and gearing) and superior battery design to increase productivity.

SIW 18T-A CPC
High Torque Impact Wrench

Hilti
Lithium-ion Batteries



Outlast — Reduce your cost to own cordless.

Hilti cordless tools are designed to last and backed by the best service in the business.

CPC lithium-ion batteries	High efficiency motors	High efficiency transmissions	Ultramide housings	Hilti Lifetime Service
CPC design with the best cells on the market delivering longer life and more power over the lifetime of the battery	Reduce motor heat — which leads to longer tool life	Run smoother, reducing heat and increasing lifetime	Made of glass fiber composite that survives demanding jobsite conditions	Hilti battery, tool and chargers are covered against normal wear and tear under the Hilti 2 year No-Cost Coverage or for 3 years with Fleet Management

	High Tech Composite	Low End Plastics
Impact Resistance	400%	100%
Temperature Resistance	200%	100%

Hilti. Outperform. Outlast.

SIW 18-A 3/8" CPC Compact Impact Wrench

NEW!

Features and Applications

- Compact size for better access
- High efficiency brushless motor delivers long lasting reliable power
- Four LED lights provide better visibility of work surface
- 3/8" friction ring allows quick socket changes
- Sealed electronics for added protection against dust, chips and humidity

HILTI 2 Years LIFETIME™ SERVICE NO COSTS | Lifetime REPAIR COST LIMIT | Lifetime MANUFACTURERS WARRANTY

Technical Data	SIW 18-A 3/8" CPC Compact
Voltage	18+ V
Speed 1 no load	1000 rpm
Speed 2 no load	1500 rpm
Speed 3 no load	2300 rpm
Speed control	Electronic
Blows per minute	3500
Max torque	3rd speed: 1548 in-lb 2nd speed: 1061 in-lb 1st speed: 663 in-lb
Chuck style	3/8" square with locking ring
Dimensions (L x W x H)	6.1 x 3.7 x 8.9 in
Weight (with battery)	3.2 lb
Application Performance	
Screwdriving in metal	#12
Lag Bolts	up to 1/2"
HUS Anchors	3/8" to 1/2"

SIW 18-A 3/8" CPC Impact Wrench

NEW!

Features and Applications

- Great for large runs of bolting on equipment
- High efficiency brushless motor delivers long lasting reliable power
- Four LED lights provide better visibility of work surface
- 3/8" friction ring allows quick socket changes
- Sealed electronics for additional protection against dust, chips and humidity

HILTI 2 Years LIFETIME™ SERVICE NO COSTS | Lifetime REPAIR COST LIMIT | Lifetime MANUFACTURERS WARRANTY

Technical Data	SIW 18-A 3/8" CPC
Voltage	18+ V
Speed 1 no load	1000 rpm
Speed 2 no load	1500 rpm
Speed 3 no load	2300 rpm
Speed control	Electronic
Blows per minute	3500
Max torque	3rd speed: 1548 in-lb 2nd speed: 1061 in-lb 1st speed: 663 in-lb
Chuck style	3/8" square with locking ring
Dimensions (L x W x H)	6.1 x 3.7 x 9.3 in
Weight (with battery)	3.8 lb
Application Performance	
Screwdriving in metal	#12
Lag Bolts	up to 1/2"
HUS Anchors	3/8" to 1/2"

Order Information

Order Description	Package Contents	Item No.
SIW 18T-A 1/2" Impact Wrench with 6 sockets (flex)	Includes tool, (2) B18 Li-Ion 3.3-Ah CPC batteries, (1) C 4/36 Li-Ion CPC charger and choice of soft bag or impact-resistant plastic tool box plus choice of 6 impact sockets	03467650
SIW 18T-A 1/2" Impact Wrench with 6 impact sockets (fixed)	Includes tool, (2) B18 Li-Ion 3.3-Ah CPC batteries, (1) C 4/36 Li-Ion CPC charger and choice of soft bag or impact-resistant plastic tool box plus (1) each impact sockets 1-1/16", 1-1/8", 1-1/4", 1-5/16", 1-7/16", 1-1/2"	03467648
SIW 18-A 3/8" Compact Impact Wrench	Includes tool, (2) B18 Li-Ion 1.6-Ah CPC 18 V batteries, (1) C 4/36 Li-Ion CPC charger and soft bag	03482621
SIW 18-A 3/8" Impact Wrench	Includes tool, (2) B18 Li-Ion 3.3-Ah CPC 18 V batteries, (1) C 4/36 Li-Ion CPC charger and choice of soft bag or impact-resistant plastic tool box	03482659

SFC 18-A CPC Compact Drill/Driver

Features and Applications

- Light weight and compact
- Long-lasting, 100% all-metal gears for longer tool life and greater reliability
- LED floods application in light
- High performance motor, delivers surprising amount of performance

Technical Data	SFC 18-A CPC Compact
Voltage	18+ V
Speeds (1st, 2nd no load)	0-600, 0-1800 rpm
PTI torque	216 in-lb
Max. torque soft joint	247 in-lb
Max. torque hard joint	484 in-lb
Number of torque settings	13 to 88 in-lb with 15 settings
Chuck style	Keyless, steel jaws 1/25" to 1/2"
Dimensions (L x W x H)	7.9 x 3.6 x 9.2 in
Weight (with battery)	3.9 lb

SF 18-A CPC Drill/Driver

Features and Applications

- High efficiency motor delivers reliable power
- Long-lasting, 100% all-metal gears for longer tool life and greater reliability
- Up to 25% more torque
- CPC lithium-ion high capacity 3.3 Ah batteries deliver reliable long lasting power
- High efficiency motor delivers more power to the application

Technical Data	SF 18-A CPC
Voltage	18+ V
Speeds (1st, 2nd, 3rd no load)	0-370, 0-1250, 0-2140 rpm
PTI torque	464 in-lb
Max. torque soft joint	445 in-lb
Max. torque hard joint	750 in-lb
Number of torque settings	17 to 106 in-lb with 15 settings
Chuck style	Keyless, steel jaws 1/25" to 1/2"
Dimensions (L x W x H)	9.8 x 3.6 x 9.6 in
Weight (with battery)	5.5 lb

SFH 18-A CPC Hammer Drill/Driver

Features and Applications

- High efficiency motor delivers reliable power
- Long-lasting, 100% all-metal gears for longer tool life and greater reliability
- Up to 25% more torque
- CPC lithium-Ion high capacity 3.3 Ah batteries deliver reliable long lasting power
- Drop resistant casing made from a highly durable glass-fiber composite

Technical Data	SFH 18-A CPC
Voltage	18+ V
Speeds (1st, 2nd, 3rd no load)	0-370, 0-1250, 0-2140 rpm
Blows per minute	39,400
PTI torque	464 in-lb
Max. torque soft joint	445 in-lb
Max. torque hard joint	750 in-lb
Number of torque settings	17 to 106 in-lb with 15 settings
Chuck style	Keyless, Steel jaws 1/25" to 1/2"
Dimensions (L x W x H)	10.4 x 3.6 x 9.6 in
Weight (with battery)	5.7 lb

Order Information

Order Description	Package Contents	Item No.
SFC 18-A Compact Drill Driver	Includes tool, (2) B 18 C Li-Ion 1.6-Ah CPC batteries, C 4/36 Li-Ion CPC charger, operating instructions and soft bag	03474876
SF 18-A Drill Driver	Includes tool, (2) B18 Li-Ion 3.3-Ah CPC batteries, C 4/36 Li-Ion CPC charger, side handle and operating instructions and choice of soft bag or impact-resistant plastic tool box	03467875
SFH 18-A Hammer Drill/Driver	Includes tool, (2) B18 Li-Ion 3.3-Ah CPC batteries, C 4/36 Li-Ion CPC charger, side handle and operating instructions and choice of soft bag or impact-resistant plastic tool box	03467877

2

Do more, cord less.

Hilti Cordless Power Care (CPC)

Hilti Cordless Power Care (CPC) has been designed to deliver more performance and help reduce cost of ownership. We start with the best battery cells available and surround them with features needed for tough jobsite conditions.

- **Individual cell management** — each cell is managed when charged and discharged for the best performance and lifetime
- **State of charge** — an LED State of Charge indicator on each battery, so you always know how much energy is remaining
- **Impact-resistant battery housing** — drop resistant casing for tough jobsite conditions and unique rubberized corners help protect work surfaces and the battery
- **Quick charge** — up to 75% charge in 20 minutes means early removal from charger has no harmful effect
- **Ready to go** — batteries maintain high state of charge for up to 6 months or longer with no use

Stop buying batteries.

Unlimited Battery Replacement*

Hilti CPC lithium-ion batteries standard or compact include No-Cost Coverage which means you incur absolutely no repair costs for up to 2 years from the date of purchase.
This includes:

- **No labor cost**
- **No cost inbound or return shipping**
- **Repair or replacement of any defective parts as well as parts subject to wear and tear****

*Unlimited battery replacement duration is 2 years under Hilti Lifetime Service and 3 years under Hilti Tool Fleet Management. Some limitations apply. Contact Hilti for details.

**Ask your Hilti representative for details.

Hilti Fleet Management

With the Hilti Fleet Management program, the no-cost period for batteries is extended to 3 years.

Hilti helps manage your tools so you can focus on getting the job done.

HILTI
FLEET MANAGEMENT

Hilti. Outperform. Outlast.

Hilti, Inc. (U.S.) 1-800-879-8000 **www.us.hilti.com** • en español 1-800-879-5000
Hilti (Canada) Corp. 1-800-363-4458 **www.hilti.ca**

Do more, cord less.

- Lower your cost of ownership — wear and tear is covered for 2 years*, Fleet Management for 3 years*
- Increased productivity — more work per charge and higher production
- Corded performance, so you can reduce the use of extension cords

Hilti 18 Volt Cordless Combos now with the highest capacity 3.3 Ah batteries!

Two Tool Combos

Order Description and Package Contents **(All combos include 2 batteries, charger and case)**		Item No.
SFH 18-A and SID 18-A CPC Combo Includes (1) SFH 18-A, (1) SID 18-A and choice of soft bag or impact-resistant plastic box		03482660
TE 4-A18 and SID 18-A CPC Combo Includes (1) TE 4-A18, (1) SID 18-A and choice of soft bag or impact-resistant plastic box (1) each TE-CX 1/4" x 6", TE-CX 3/8" x 6", TE-CX 1/2" x 6"		03482661
SID 18-A and SD 4500-A18 CPC Combo Includes (1) SID 18-A, (1) SD 4500-A18 and choice of soft bag or impact-resistant plastic box		03482662
SID 18-A and WSR 18-A CPC Combo Includes (1) SID 18-A, (1) WSR 18-A and choice of soft bag or impact-resistant plastic box		03482663
SID 18-A and SCW 18-A CPC Combo Includes (1) SID 18-A, (1) SCW 18-A and soft bag		03482664
SIW 18T-A and SIW 18-A 3/8" CPC Combo Includes (1) SIW 18T-A, (1) SIW 18-A 3/8" and choice of soft bag or impact-resistant plastic box plus (1) each impact sockets 1-1/16", 1-1/8", 1-1/4", 1-5/16", 1-7/16", 1-1/2"		03482665
SIW 18T-A and SIW 18-A 1/2" CPC Combo Includes (1) SIW 18T-A, (1) SIW 18-A 1/2" and choice of soft bag or impact-resistant plastic box plus (1) each impact sockets 3/8", 7/16", 9/16", 13/16", 15/16", 3/4", 1-1/16", 1-1/8", 1-1/4", 1-5/16", 1-7/16", 1-1/2"		03482666
TE 4-A18 and SIW 18-A 1/2" CPC Combo Includes (1) TE 4-A18, (1) SIW 18-A 1/2" and choice of soft bag or impact-resistant plastic box plus (1) each impact sockets 7/16", 9/16", 13/16", 15/16", 3/4" (1) each TE-CX 1/4" x 6", TE-CX 3/8" x 6", TE-CX 1/2" x 6"		03482667
TE 4-A18 and SFH 18-A CPC Combo Includes (1) TE 4-A18, (1) SFH 18-A and choice of soft bag or impact-resistant plastic tool box plus (1) each TE-CX 1/4" x 6", TE-CX 3/8" x 6", TE-CX 1/2" x 6"		03469033
TE 4-A18 and WSR 18-A CPC Combo Includes (1) TE 4-A18, (1) WSR 18-A and soft bag (1) each plus TE-CX 1/4" x 6", TE-CX 3/8" x 6", TE-CX 1/2" x 6"		03469034
TE 4-A18 and SIW 18T-A CPC Combo Includes (1) TE 4-A18, (1) SIW 18T-A and choice of soft bag or impact-resistant plastic tool box plus (1) each impact sockets 1-1/16", 1-1/8", 1-1/4", 1-5/16", 1-7/16", 1-1/2" and (1) each TE-CX 1/4" x 6", TE-CX 3/8" x 6", TE-CX 1/2" x 6"		03467846
SFH 18-A and WSR 18-A CPC Combo Includes (1) SFH 18-A, (1) WSR 18-A and choice of soft bag or impact-resistant plastic tool box		03468969
SFH 18-A and SIW 18-A 1/2" CPC Combo Includes (1) SFH 18-A, (1) SIW 18-A 1/2" and choice of soft bag or impact-resistant plastic box plus (1) each impact sockets 7/16", 9/16", 13/16", 15/16", 3/4"		03482668
SFH 18-A and SIW 18T-A CPC Combo Includes (1) SFH 18-A, (1) SIW 18T-A and choice of soft bag or impact-resistant plastic tool box plus (1) each impact sockets 1-1/16", 1-1/8", 1-1/4", 1-5/16", 1-7/16", 1-1/2"		03467844

*SD 4500-A Hilti lifetime service is 1 year

Hilti. Outperform. Outlast.

Three Tool Combos

Order Description and Package Contents **(All combos include 2 batteries, charger and case)**		Item No.
TE 4-A18, WSR 18-A and SID 18-A CPC Combo Includes (1) TE 4-A18, (1) WSR 18-A, (1) SID 18-A and soft bag (1) each TE-CX 1/4" x 6", TE-CX 3/8" x 6", TE-CX 1/2" x 6"		03483818
TE 4-A18, WSR 18-A and SIW 18-A 1/2" CPC Combo Includes (1) TE 4-A18, (1) WSR 18-A, (1) SIW 18-A 1/2" and soft bag plus (1) each TE-CX 1/4" x 6", TE-CX 3/8" x 6", TE-CX 1/2" x 6"		03483819
SFH 18-A, SID 18-A and WSR 18-A CPC Combo Includes (1) SFH 18-A, (1) SID 18-A, (1) WSR 18-A and soft bag		03482671
SFH 18-A, SID 18-A and SCW 18-A CPC Combo Includes (1) SFH 18-A, (1) SID 18-A, (1) SCW 18-A and soft bag		03482672
ST 1800-A18, SIW 18T-A and SIW 18-A 1/2" CPC Combo Includes (1) ST 1800-A18, (1) SIW 18T-A, (1) SIW 18-A 1/2" and soft bag plus (1) each impact sockets 3/8", 7/16", 9/16", 13/16", 15/16", 3/4", 1-1/16", 1-1/8", 1-1/4", 1-5/16", 1-7/16", 1-1/2"		03482673
TE 4-A18, SFH 18-A and WSR 18-A CPC Combo Includes (1) TE 4-A18, (1) SFH 18-A, (1) WSR 18-A and soft bag plus (1) each TE-CX 1/4" x 6", TE-CX 3/8" x 6", TE-CX 1/2" x 6"		03472626
TE 4-A18, ST 1800-A18 and SID 18-A CPC Combo Includes (1) TE 4-A18, (1) ST 1800-A18, (1) SID 18-A and soft bag plus (1) each TE-CX 1/4" x 6", TE-CX 3/8" x 6", TE-CX 1/2" x 6"		03482674
TE 4-A18, SIW 18T-A and WSR 18-A CPC Combo Includes (1) TE 4-A18, (1) SIW 18T-A, (1) WSR 18-A and soft bag plus (1) each impact sockets 1-1/16", 1-1/8", 1-1/4", 1-5/16", 1-7/16", 1-1/2" and (1) each TE-CX 1/4" x 6", TE-CX 3/8" x 6", TE-CX 1/2" x 6"		03470469

Large Combos (Four or more tools)

Order Description and Package Contents **(All combos include 2 batteries, charger and case)**		Item No.
SFH 18-A, SID 18-A, WSR 18-A and SCW 18-A CPC Combo Includes (1) SFH 18-A, (1) SID 18-A, (1) WSR 18-A, (1) SCW 18-A and soft bag		03482675
TE 4-A18, SFH 18-A, SIW 18T-A and WSR 18-A CPC Combo Includes (1) TE 4-A18, (1) SFH 18-A, (1) SIW 18T-A, (1) WSR 18-A and soft bag plus (1) each impact sockets 1-1/16", 1-1/8", 1-1/4", 1-5/16", 1-7/16", 1-1/2" and (1) each TE-CX 1/4" x 6", TE-CX 3/8" x 6", TE-CX 1/2" x 6"		03467847
SFH 18-A, SID 18-A, WSR 18-A, TE 4-A18 and SIW 18T-A CPC Combo Includes (1) SFH 18-A, (1) SID 18-A, (1) WSR 18-A, (1) TE 4-A18, (1) SIW 18T-A and soft bag plus (1) each impact sockets 1-1/16", 1-1/8", 1-1/4", 1-5/16", 1-7/16", 1-1/2" and (1) each TE-CX 1/4" x 6", TE-CX 3/8" x 6", TE-CX 1/2" x 6"		03482676
SFH 18-A, SID 18-A, WSR 18-A, SCW 18-A, TE 4-A18 and SIW 18T-A CPC Combo Includes (1) SFH 18-A, (1) SID 18-A, (1) WSR 18-A, (1) SCW 18-A, (1) TE 4-A18, (1) SIW 18T-A and soft bag plus (1) each impact sockets 1-1/16", 1-1/8", 1-1/4", 1-5/16", 1-7/16", 1-1/2" and (1) each TE-CX 1/4" x 6", TE-CX 3/8" x 6", TE-CX 1/2" x 6"		03482677
SFH 18-A, ST 1800-A18, SIW 18T-A, SIW 18-A 1/2", SID 18-A, TE 4-A18 and WSR 18-A CPC Combo Includes (1) SFH 18-A, (1) ST 1800-A18, (1) SIW 18T-A, (1) SIW 18-A 1/2", (1) SID 18-A, (1) TE 4-A18, (1) WSR 18-A and soft bag plus (1) each impact sockets 3/8", 7/16", 9/16", 13/16", 15/16", 3/4", 1-1/16", 1-1/8", 1-1/4", 1-5/16", 1-7/16", 1-1/2" and (1) each TE-CX 1/4" x 6", TE-CX 3/8" x 6", TE-CX 1/2" x 6"		03482678
SFH 18-A, ST 1800-A18, SIW 18T-A, SIW 18-A, SID 18-A 1/2", TE 4-A18, WSR 18-A and SCW 18-A CPC Combo Includes (1) SFH 18-A, (1) ST 1800-A18, (1) SIW 18T-A, (1) SIW 18-A, (1) SID 18-A 1/2", (1) TE 4-A18, (1) WSR 18-A, (1) SCW 18-A and soft bag plus (1) each impact sockets 3/8", 7/16", 9/16", 13/16", 15/16", 3/4", 1-1/16", 1-1/8", 1-1/4", 1-5/16", 1-7/16", 1-1/2" and (1) each TE-CX 1/4" x 6", TE-CX 3/8" x 6", TE-CX 1/2" x 6"		03482842

Build-Your-Own Cordless Combo

Customize your combo by assembling the tools, number of batteries, charger and case(s) exactly they way you want. It's as easy as 1, 2, 3, 4 — choose your tools, batteries, chargers and case, and get set to increase your productivity.

18 Volt Cordless Combo — with the highest capacity batteries

Step 1: Choose Your Tools

Order Description and Package Contents	Item No.
TE 4-A18 Rotary Hammer Drill and TE-CX Drill Bits Includes tool only plusTE-CX drill bits 1/4" x 6", 3/8" x 6" and 1/2" x 6"	03462776
SFH 18-A Hammer Drill Driver Includes tool only and side handle in cardboard box	00431940
SF 18-A Drill Driver Includes tool only and side handle	00431939
SID 18-A 1/4" Hex Impact Driver Includes tool only	02006067
SIW 18-A 1/2" Impact Wrench Includes tool only plus (1) each impact sockets 3/8", 7/16", 9/16", 13/16", 15/16", 3/4"	03483898
SIW 18-A 3/8" Impact Wrench Includes tool only	02006068
SIW 18T-A 1/2" High Torque Impact Wrench Includes tool only plus (1) ea impact sockets 1-1/16", 1-1/8", 1-1/4", 1-5/16", 1-7/16", 1-1/2"	03483897
SD 4500-A18 High Speed Drywall Screwdriver Includes tool only	00403198
ST 1800-A18 Adjustable Torque Screwdriver Includes tool only and side handle	00437865
WSR 18-A Reciprocating Saw Includes tool only	00408053
SCW 18-A Wood Circular Saw Includes tool only	00423164
SFL 18-A LED Lamp Includes charger with Hilti's Active Cooling System (ACS) only	00426116

Step 2: Choose How Many Batteries

B 18 Li-Ion 3.3-Ah CPC 18 volt 3.3 amp hour battery	02018498

Step 3: Choose Your Charger

C 4/36 CPC Li-Ion Battery Charger	00272939
C 4/36-ACS Active Cooling System (ACS) CPC Li-Ion Battery Charger	00272445

Step 4: Choose Your Case

Small Soft Bag Recommended for combo with 1 or 2 tools	00434910
Large Soft Bag Recommended for combo with 3 or more tools	02008518
Universal Case Impact-resistant plastic tool case for 1 or 2 of any combination: SFH 18-A, SF 18-A, SFC 18-A, SID 18-A, SIW 18-A, SIW 18T-A, SD 4500-A18	00438892
Case WSR/TE Plus One Impact-resistant plastic tool case for either WSR 18-A or TE 4-A18 plus (1) of SFH 18-A, SF 18-A, SID 18-A, SIW 18-A, SIW 18-A 3/8", SIW 18T-A, SD 4500-A18	00423661
SCW 18-A Case Impact-resistant plastic tool case for SCW 18-A	00429548
WSR 18-A Case Impact-resistant plastic tool case for WSR 18-A	00407675
TE 4-A18 Case Impact-resistant plastic tool case for TE 4-A18	00410023

18 Volt Compact Cordless Combos — lighter weight, higher performance!

Order Description and Package Contents (All combos include 2 batteries, charger and case)		Item No.
SID 18-A and SFC 18-A Compact Combo Includes (1) SID 18-A, (1) SFC 18-A and soft bag		03482653
SFC 18-A and SIW 18-A 3/8" Compact Combo Includes (1) SFC 18-A, (1) SIW 18-A 3/8", and soft bag		03482656
SID 18-A and SD 4500-A18 Compact Combo Includes (1) SID 18-A, (1) SD 4500-A18 and soft bag		03482654
SID 18-A and SIW 18-A 1/2" Compact Combo Includes (1) SID 18-A, (1) SIW 18-A 1/2" and soft bag		03482655
SID 18-A, ST 1800-A18 and SFC 18-A Compact Combo Includes (1) SID 18-A, (1) ST 1800-A18, (1) SFC 18-A and soft bag		03482670

Step 1: Choose Your Tools

Order Description and Package Contents		Item No.
SID 18-A 1/4" Hex Impact Driver Includes tool only in cardboard box		02006067
SIW 18-A 1/2" Impact Wrench Includes tool only in cardboard box		03483898
SIW 18-A 3/8" Impact Wrench Includes tool only in cardboard box		02006068
SFC 18-A Compact Drill/Driver Includes tool only and side handle in cardboard box		00435848
SD 4500-A18 High Speed Drywall Screwdriver Includes tool only in cardboard box		00403198
ST 1800-A18 Adjustable Torque Screwdriver Includes tool only in cardboard box		00437865
SFL 18-A LED Lamp Includes charger with Hilti's Active Cooling System (ACS) only in cardboard box		00426116

Step 2: Choose How Many Batteries

B 18 C Li-Ion 1.6-Ah CPC 18 volt 1.6 amp hour battery		00426176

Step 3: Choose Your Charger

C 4/36 CPC Li-Ion battery charger		00272939
C 4/36-ACS Active Cooling System (ACS) CPC Li-Ion battery charger		00272445

Step 4: Choose Your Case

Small Soft Bag Recommended for combo with 1 or 2 tools		00434910
Large Soft Bag Recommended for combo with 3 or more tools		02008518
Universal Case Impact-resistant plastic tool case for 1 or 2 of any combination: SFH 18-A, SF 18-A, SFC 18-A, SID 18-A, SIW 18-A, SIW 18T-A, SD 4500-A18		00438892
Case WSR/TE Plus One Impact-resistant plastic tool case for either WSR 18-A or TE 4-A18 plus (1) of SFH 18-A, SF 18-A, SID 18-A, SIW 18-A, SIW 18T-A, SD 4500-A18		00423661

14 Volt Cordless Combos — with two 2.6-Ah batteries and charger

Order Description and Package Contents (All combos include 2 batteries, charger and case)		Item No.
SF 144-A, SID 144-A and SFL 144-A CPC Combo Includes (1) SF 144-A, (1) SID 144-A, (1) SFL 144-A and an impact-resistant plastic tool box (Note: Tool box conveniently stores both tools)		03457526
SF 144-A, SIW 144-A and SFL 144-A CPC Combo Includes (1) SF 144-A, (1) SIW 144-A, (1) SFL 144-A and an impact-resistant plastic tool box (Note: Tool box conveniently stores both tools)		03457528
SFH 144-A, SID 144-A and SFL 144-A CPC Combo Includes (1) SFH 144-A, (1) SID 144-A, (1) SFL 144-A and an impact-resistant plastic tool box (Note: Tool box conveniently stores both tools)		03457525
SFH 144-A, SIW 144-A and SFL 144-A CPC Combo Includes (1) SFH 144-A, (1) SIW 144-A, (1) SFL 144-A and an impact-resistant plastic tool box (Note: Tool box conveniently stores both tools)		03457527

14 Volt Build-Your-Own Combo

Step 1: Choose Your Tools

Order Description and Package Contents		Item No.
SID 144-A 1/4" Hex Impact Driver Includes tool only in impact-resistant plastic tool box		00272830
SIW 144-A 1/2" Impact Wrench Includes tool only in impact-resistant plastic tool box		00272833
SFH 144-A Hammer Drill Driver Includes tool only and side handle in impact-resistant plastic tool box		00244285
SF 144-A Drill Driver Includes tool only and side handle in impact-resistant plastic tool box		00244277
ED 3500-A Chemical Anchor Dispenser Includes tool only in impact-resistant plastic tool box		00385479
SFL 144-A Lamp Includes tool only in impact-resistant plastic tool box		00426116

Step 2: Choose How Many Batteries

B 144 Li-Ion 2.6-Ah CPC 14.4 volt 2.6 amp hour battery		00273114

Step 3: Choose Your Charger

C 4/36 CPC Li-Ion Battery Charger		00272939
C 4/36-ACS Active Cooling System (ACS) CPC Li-Ion Battery Charger		00272445

Step 4: Choose Your Case

Small Soft Bag Recommended for combo with 1 or 2 tools		00434910
Large Soft Bag Recommended for combo with 3 or more tools		02008518

Hilti. Outperform. Outlast.

36 Volt Cordless Combos — with two highest capacity 3.9-Ah batteries and charger

Order Description and Package Contents (All combos include 2 batteries, charger and case)		Item No.
TE 7-A, DRS and WSC 7.25-A CPC Combo Includes (1) TE 7-A, DRS System for TE 7-A, (1) WSC 7.25-A and (1) large Hilti tool bag plus (1) each TE-CX 1/4" x 6", 3/8" x 6", 1/2" x 6", 5/8" x 8", 3/4" x 8", and TE-CP SM 18		03477487
TE 7-A, DRS and WSR 36-A CPC Combo Includes (1) TE 7-A CPC, DRS System for TE 7-A, (1) WSR 36-A, (1) large Hilti tool bag (1) each TE-CX 1/4" x 6", 3/8" x 6", 1/2" x 6", 5/8" x 8", 3/4" x 8", and TE-CP SM 18		03477486
TE 7-A, DRS, WSC 7.25-A and WSR 36-A CPC Combo Includes (1) TE 7-A, DRS System for TE 7-A, (1) WSC 7.25-A, (1) WSR 36-A and (1) large Hilti tool bag and (1) each TE-CX 1/4" x 6", 3/8" x 6", 1/2" x 6", 5/8" x 8", 3/4" x 8", and TE-CP SM 18		03477485
TE 6-A36-AVR, DRS and WSC 7.25-A CPC Combo Includes (1) TE 6-A36-AVR, DRS System for TE 6-A36-AVR, (1) WSC 7.25-A and (1) large Hilti tool bag plus (1) each TE-CX 1/4" x 6", 3/8" x 6", 1/2" x 6", 5/8" x 8" drill bits		03472794
TE 6-A36-AVR, DRS and WSR 36-A CPC Combo Includes (1) TE 6-A36-AVR, DRS System for TE 6-A36-AVR, (1) WSR 36-A and (1) large Hilti tool bag plus (1) each TE-CX 1/4" x 6", 3/8" x 6", 1/2" x 6", 5/8" x 8"		03477489
TE 6-A36-AVR, DRS, WSC 7.25-A and WSR 36-A CPC Combo Includes (1) TE 6-A36-AVR, DRS System for TE 6-A36-AVR, (1) WSC 7.25-A, (1) WSR 36-A and (1) large Hilti tool bag... (1) each TE-CX 1/4" x 6", 3/8" x 6", 1/2" x 6", 5/8" x 8", 3/4" x 8"		03482863

36 Volt Build-Your-Own Combo

Step 1: Choose Your Tools

Package Contents		Item No.
TE 7-A Rotary Hammer Drill Includes tool only and (1) each TE-CX 1/4" x 6", 3/8" x 6", 1/2" x 6", 5/8" x 8", 3/4" x 8 and TE-CP FM18		03483895
TE 6-A36-AVR Rotary Hammer Drill Includes tool only and (1) each TE-CX 1/4" x 6", 3/8" x 6", 1/2" x 6", 5/8" x 8"		03483896
WSR 36-A Reciprocating Saw Includes tool only		00213995
WSC 7.25-A 7 1/4" Circular Saw Includes tool only		00236489
TE DRS-6-A36 TE 6-A36 DRS Accessory DRS system for TE 6-A36 that achieves up to 97.8 % efficiency for dust removal		00410738
TE DRS-M TE 7-A DRS Accessory DRS system for TE 7-A that achieves up to 97.8 % efficiency for dust removal		00267769

Step 2: Choose How Many Batteries

B 36 Li-Ion 3.9-Ah CPC 36 volt 3.9 amp hour battery		00401594

Step 3: Choose Your Charger

C 4/36-ACS Includes charger with Hilti's Active Cooling System (ACS) only		00272445

Step 4: Choose Your Case

Large Soft Bag Recommended for combo for 36 volt combos with 2 or more tools		02008518

TE 4-A18 CPC Cordless Rotary Hammer Drill

Features and Applications

- Specially designed hammering mechanism for superior drilling performance up to 1/2"
- Light, compact design ideal for overhead and horizontal drilling
- Provides corded performance in a cordless tool

Technical Data	TE 4-A18 CPC
Voltage	18+ V
Full hammering frequency	5200 blows/min
Speed no load	0-1090 rpm
Single impact energy	1.5 ft-lb
Reverse switch	Yes
Dimensions (L x W x H)	12.75 x 3.7 x 7.9 in
Weight (with battery)	7.3 lb

TE 6-A36-AVR CPC Cordless Rotary Hammer Drill

Features and Applications

- Repetitive anchor hole drilling in all directions in concrete and masonry to 5/8"
- Designed to drill more holes per charge than any other cordless rotary hammer in the same class
- Superior working comfort due to Active Vibration Reduction (AVR)
- Virtually dustless drilling removing 97.8% of dust with the TE DRS-6A dust removal accessory

Technical Data	TE 6-A36-AVR CPC
Voltage	36 V
Full hammering frequency	5283 blows/min
Speed no load	0-1040 rpm
Single impact energy	1.5 ft-lb
Reverse switch	Yes
Dimensions (L x W x H)	13.5 x 3.7 x 8.5 in
Weight (with battery)	8.8 lb

TE 7-A CPC Cordless Rotary Hammer Drill

Features and Applications

- Strong motor delivers impressive impact power for effective chiseling and efficient drilling
- Three modes of operation including: rotation only, rotation with hammer, and hammer only (chiseling function)
- Virtually dust free drilling with the optional self-contained dust removal system (DRS)
- Designed to deliver higher drilling speed than any rotary hammer in the same class

Technical Data	TE 7-A CPC
Voltage	36 V
Full hammering frequency	4000 blows/min
Speed no load	0-740 rpm
Single impact energy	1.9 ft-lb
Reverse switch	Yes
Dimensions (L x W x H)	15.8 x 4.4 x 8.5 in
Weight (with battery)	10.8 lb

Order Information

Order Description	Package Contents	Item No.
TE 4-A18 Performance Package	Includes tool, (2) B 18 Li-Ion 3.3-Ah CPC batteries, C 4/36 Li-Ion CPC charger choice of soft bag or impact-resistant plastic tool box, plus one each of the following drill bits: TE-CX drill bits 1/4" x 6", 3/8" x 6" and 1/2" x 6"	03467879
TE 4-A18 Trade Package	Includes tool, (2) B 18 Li-Ion 3.3-Ah CPC batteries, C 4/36 Li-Ion CPC charger, choice of soft bag or impact-resistant plastic tool box, plus one each of the following TE-CX drill bits: 3/16" x 6", 1/4" x 6", 5/16" x 6", 3/8" x 6", 1/2" x 6", 5/8" x 8"	03467880
TE 6-A36-AVR Performance Package	Includes tool, (2) B 36 Li-Ion 3.0-Ah CPC batteries, C 4/36-ACS Li-Ion CPC charger in an impact-resistant plastic tool box, plus the following TE-CX drill bits: (1) 3/8" x 6", (1) 5/8" x 6" and (2) 1/2" x 6"	03471835
TE 6-A36-AVR Trade Package	Includes tool, (2) B 36 Li-Ion 3.0-Ah CPC batteries, C 4/36-ACS Li-Ion CPC charger in an impact-resistant plastic tool box, plus (1) TE-CX Performance Bit Pack (3/16" x 6", 1/4" x 6", 5-16" x 6", 3/8" x 6", 1/2" x 6" and 5/8" x 8")	03471837
TE 6-A36-AVR Professional Kit	Includes tool, TE DRS-6-A dust removal system, (2) B 36 Li-Ion 3.0-Ah CPC batteries, C 4/36-ACS Li-Ion CPC charger in an impact-resistant plastic tool box, plus the following TE-CX drill bits: (1) 3/8" x 6", (1) 5/8" x 6" and (2) 1/2" x 6"	03471838
TE 7-A Performance Package	Includes tool, side handle, (2) B36 Li-Ion 3.9-Ah CPC batteries, C 4/36-ACS Li-Ion CPC charger and operating instructions in an impact-resistant plastic tool box, plus one of each of the following TE-CX drill bits: 1/4" x 6", 3/8" x 6", 1/2" x 6", 5/8" x 8", 3/4" x 8" and TE-CP FM 18 flat chisel	03476238
TE 7-A Professional Kit	Includes tool, side handle, TE DRS-M dust removal module, (2) B36 Li-Ion 3.9-Ah CPC batteries, C 4/36-ACS Li-Ion CPC and operating instructions in an impact-resistant plastic tool box, plus one of each of the following TE-CX drill bits: 3/8" x 6", 1/2" x 6", 5/8" x 6" and TE-CP SM 18 flat chisel	03476239
TE 7-A Premium Kit	Includes tool, side handle, (2) B36 Li-Ion 3.9-Ah CPC batteries, C 4/36-ACS Li-Ion CPC charger and operating instructions in an impact-resistant plastic tool box	03476239

DRS

Features and Applications

- Increase dust collection by up to 97.8%
- Helps improve worker comfort and safety
- Helps reduce clean up time
- TE 6-A36 DRS is electronically powered to maintain drilling speed

TE DRS-6A
Dust Removal System
Item No. 00410738

+

TE 6-A36-AVR CPC
Cordless Rotary Hammer Drill

=

TE DRS-M
Dust Removal System
Item No. 00267769

+

TE 7-A CPC
Cordless Rotary Hammer Drill

=

For information on more Hilti Dust Removal Systems (DRS) — see pages 104–107

WSR 18-A CPC Reciprocating Saw

Features and Applications

- Efficient gear design allows more of the power input to be delivered to the blade for more work per charge
- High-efficiency motor for longer tool life
- Drop-resistant housing and rubberized drop points for increase durability and comfort of the operator
- Keyless blade clamp for fast and easy blade change

Technical Data	WSR 18-A CPC
Voltage	18+ V
Stroke length	1-1/8 in
Stokes per minute	0-3000
Variable speed switch	Yes
Blade clamp	Keyless
Dimensions (L x W x H)	19.37 x 3.78 x 7.72 in
Weight (with battery)	8.2 lb

WSR 36-A CPC Reciprocating Saw

Features and Applications

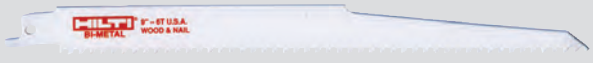
- High efficiency motor and gear combined with the best battery technology gives you more power and work per charge
- Cordless power you can depend on for heavy demolition applications
- Equipped with AVR (Active Vibration Reduction) to significantly reduce vibration and worker fatigue
- Six settings allow variable stroke speed for more control in a variety of applications

Technical Data	WSR 36-A CPC
Voltage	36 V
Stroke length	1-1/4 in
Stokes per minute	0-2850
Variable speed switch	Yes
Stroke rate regulation	1 to 6
Dimensions (L x W x H)	17.3 x 3.6 x 8.9 in
Weight (with battery)	9.6 lb

Order Information

Order Description	Package Contents	Item No.
WSR 18-A Cordless Reciprocating Saw	Includes tool, (2) B 18 Li-Ion 3.3-Ah CPC batteries, C 4/36 Li-Ion CPC charger and choice of soft bag or impact-resistant plastic tool box	03467882
WSR 36-A Cordless Reciprocating Saw	Includes tool, (2) B 36 Li-Ion 3.0-Ah CPC batteries, C 4/36-ACS Li-Ion CPC charger and operating instructions in an impact-resistant plastic tool box	03466093

Reciprocating saw blades — See pages 124–125



SCW 18-A CPC Circular Saw

Features and Applications

- More work per charge
- Smoother operation while ripping 8' plywood
- Easy to read markings and easy to use adjustments
- Designed to cut wood and plastic
- Electric blade brake stops the tool quickly when the trigger is released

Technical Data	SCW 18-A CPC
Voltage	18+ V
No load speed	4000 rpm
Max cutting depth	2-1/4 in
Cutting depth at 45°	1-5/8 in
Angular adjustment	45 degrees
Blade diameter	6-1/2 in
Arbor	5/8 in
Dimensions (L x W x H)	15.4 x 7.8 x 9.4 in
Weight (with battery)	8.6 lb

WSC 7.25-A CPC Circular Saw

Features and Applications

- Highest capacity cordless circular saw on the market with a 36 V 3.9-Ah CPC Li-Ion battery
- Deepest cut on the market with 2-5/8" cutting depth at 90°
- Magnesium base plate for reliable guidance

Technical Data	WSC 7.25-A CPC
Voltage	36 V
No load speed	4000 rpm
Max cutting depth	2-5/8 in
Cutting depth at 45°	1-7/8 in
Angular adjustment	50 degrees
Blade diameter	7-1/4 in
Arbor	5/8 in
Dimensions (L x W x H)	23.6 x 15.7 x 9.4 in
Weight (with battery)	12.7 lb

Order Information

Order Description	Package Contents	Item No.
SCW 18-A Cordless Circular Saw	Includes tool, (2) B 18 Li-Ion 3.3-Ah CPC batteries, C 4/36 Li-Ion CPC charger and soft bag	03474877
WSC 7.25-A Cordless Circular Saw	Includes tool, (1) B 36 Li-Ion 3.9-Ah CPC battery, C 4/36-ACS Li-Ion CPC charger and operating instructions in a large Hilti tool bag	03453677

Circular saw blades — See page 127

SD 4500-A18 CPC Compact High Speed Drywall Screwdriver

Features and Applications

- World's first compact cordless drywall screwdriver capable of serial production
- First choice for interior use
- 4,200 rpm for the power to outperform others on the market
- Compact 18 volt lithium ion for ultimate in ergonomics and balance
- The best cordless tool on the market for interior drywall to light-gauge applications

Technical Data	SD 4500-A18 CPC Compact
Voltage	18+ V
No load speed	0-4200 rpm
Chuck	1/4" hex socket with ball notch retention
Lockbutton for constant on	Yes
Quick release chuck	Yes
Silent clutch	Yes
Weight (with battery)	3.9 lb

*Tool body is covered at 1 year No Cost. Some limitations apply. Contact Hilti for details.

SD 4500-A18 CPC High Speed Drywall Screwdriver

Features and Applications

- World's first cordless drywall screwdriver capable of serial production
- First choice for exterior use
- 4,200 rpm for the power to outperform others on the market
- Innovative directional venting helps prevent drywall dust from blowing into operator's face

Technical Data	SD 4500-A18 CPC
Voltage	18+ V
No load speed	0-4200 rpm
Chuck	1/4" hex socket with ball notch retention
Lockbutton for constant on	Yes
Quick release chuck	Yes
Silent clutch	Yes
Weight (with battery)	4.5 lb

*Tool body is covered at 1 year No Cost. Some limitations apply. Contact Hilti for details.

Order Information

Description	Package Contents	Item No.
SD 4500-A18 Compact High Speed Drywall Screwdriver	Includes tool, (2) B 18 C Li-Ion 1.6-Ah CPC batteries, (1) C 4/36 Li-Ion charger and operating instructions in a soft Hilti tool bag	03474878
SD 4500-A18 Compact High-Speed Drywall Screwdriver and SMD 50 Magazine	Includes tool, (2) B 18 C Li-Ion 1.6-Ah CPC batteries, (1) SMD 50 Magazine, (1) C 4/36 Li-Ion charger and operating instructions in a soft Hilti tool bag	03474879
SD 4500-A18 High-Speed Drywall Screwdriver and SMD 50 Magazine	Includes tool, (2) B 18 Li-Ion 3.3-Ah CPC batteries, (1) SMD 50 Magazine, (1) C 4/36 Li-Ion charger and operating instructions in a soft Hilti tool bag	03468904
SD 4500-A18 High Speed Drywall Screwdriver	Includes tool, (2) B 18 Li-Ion 3.3-Ah CPC batteries, (1) C 4/36 Li-Ion charger and operating instructions and choice of soft bag or impact-resistant plastic tool box	03468772

ST 1800-A18 Compact Adjustable Torque Screwdriver

NEW!

Features and Applications

- The first cordless hand held metal screw driver
- First choice for torque sensitive screw driving applications
- Compact 18 volt lithium ion for ultimate in ergonomics and balance
- 18 position adjustable torque clutch reduces fastener overdrive
- On / Off switch with electronic speed control

Technical Data	ST 1800-A18 CPC Compact
Voltage	18+ V
No load speed	0-2000 rpm
Chuck	1/4" hexagon socket with ball-notch retention
Lock button for constant on	Yes
Adjustable torque	18 positions
Quick release chuck	Yes
Weight (with battery)	4.9 lb

*Tool body is covered at 1 year No Cost. Some limitations apply. Contact Hilti for details.

ST 1800-A18 Adjustable Torque Screwdriver

NEW!

Features and Applications

- The first cordless metal tapper capable of serial production
- First choice for siding and decking installations
- 18 position adjustable torque clutch reduces fastener overdrive
- On/Off switch with electronic speed control and constant on button for improved run time
- When used with SDT extension, the ST 1800-A18 becomes a cordless stand-up tool for decking applications

Technical Data	ST 1800-A18 CPC
Voltage	18+ V
No load speed	0-2000 rpm
Chuck	1/4" hexagon socket with ball-notch retention
Lock button for constant on	Yes
Adjustable torque	18 positions
Quick release chuck	Yes
Weight (with battery)	5.5 lb

*Tool body is covered at 1 year No Cost. Some limitations apply. Contact Hilti for details.

Order Information

Description	Package Contents	Item No.
ST 1800-A18 Compact Adjustable Torque Screwdriver	Includes tool, (2) B 18 C Li-Ion 1.6-Ah CPC batteries, (1) C 4/36 Li-Ion charger and operating instructions in a Hilti soft tool bag	03482703
ST 1800-A18 Adjustable Torque Screwdriver	Includes tool, (2) B 18 Li-Ion 3.3-Ah CPC batteries, (1) C 4/36-ACS Li-Ion charger and operating instructions in a Hilti soft tool bag	03482102
SDT 30 Stand Up Decking Tool	Includes stand up tool, 2 grips, magazine, 3/16", supply cord strain relief clasp and operating instructions	00387785
ST 1800-A18 Adjustable Torque Screwdriver and SDT 30 Stand Up Decking Tool	Includes tool, (2) B 18 Li-Ion 3.3-Ah CPC batteries, (1) C 4/36-ACS Li-Ion charger, SDT 30 and operating instructions in a Hilti soft tool bag	003482704

Introducing the world's first flashlight with 2 Year No-Cost Coverage. The SFL 18-A Flashlight features a cool white LED which offers more light.

Made for professionals, this impact-resistant cordless flashlight is backed by the industry's best service. If the bulb wears out or the unit stops working within two years of purchase, we will replace it. The SFL 18-A is that reliable.

Accessories

Order Description		SD 4500-A18	SD 4500-A18 Compact	TE 6-A36-AVR	TE 7-A	SFC 18-A	SID 18-A	SIW 18-A 1/2"	SIW 18-A 3/8"	SFL 12/15 /144	Item No.
Light Bulb SFL 12/15/144										■	00374483
Dust Removal System TE DRS-M Dust module with extraction fan, dust container with filter, depth gauge, end stop, push-fit coupling, packed in a cardboard box.					■						00267769
Dust Removal System TE-DRS-6A Dust module with extraction fan, dust container with filter, depth gauge, end stop, push-fit coupling, packed in a cardboard box (For use with TE 6-A36-AVR only)				■							00410743
ED 3500-A CPC Dispenser Dispenser only in cardboard box											00385479
SD-A UH Universal Hook Assembly		■	■								00416343
SD-A BH Belt Hook Assembly		■	■								00416340
Belt Hook for Cordless Drill and Impact Use with SFC 18, SID 18, SIW 18, SIW 18 3/8"						■	■	■	■		02012703
SFL 18-A CPC Includes flashlight only in a cardboard box • Cool white light, LED • Comes with 2 year No-Cost Coverage including replacement if bulb fails • Use with B 18 CPC Li-Ion battery											00426116
SFL 144-A CPC Includes flashlight only in a cardboard box • Use with B 144 CPC Li-Ion battery										■	00405597

Lithium-Ion CPC Batteries

Order Description		SF/SFH 144-A CPC	SFC 18-A CPC	SF/SFH 18-A CPC	SID/SIW 144-A CPC	SIW 18T-A CPC	SD 4500-A CPC	TE 4-A18 CPC	TE 6-A36 CPC	TE 7-A CPC	WSC 7.25-A CPC	SCW 18-A CPC	WSR 18-A CPC	WSR 36-A CPC	SFL 144 CPC	SFL 18-A CPC	ED 3500-A CPC	SID/SIW/SIW 3/8" 18-A CPC	ST 1800-A CPC	Item No.
Battery Pack Compact B 18 C 1.6-Ah CPC			■	□		□	■	□				□	□			■		■	■	00426176
Battery Pack B 18 3.3-Ah CPC			■	■		■	■	■				■	■			■		■	■	02018498
Battery Pack B 144 2.6-Ah CPC		■			■										■		■			00273114
Battery Pack B36 3.0-Ah CPC									■					■						00418009
Battery Pack B36 3.9-Ah CPC									■	■	■			■						00401594

□ Lighter weight, shorter run time, smaller application range ■ Longer run time, larger application range

CPC Li-Ion Chargers

Order Description		B144 2.6-Ah Li-Ion	B 18C 1.6-Ah Li-Ion	B18 3.3-Ah Li-Ion	B36 2.6-Ah Li-Ion	B 36 3.0-Ah Li-Ion	B36 3.9-Ah Li-Ion	Item No.
Battery Charger C 4/36 Li-Ion CPC Use with all 14.4 - 36 volt Hilti CPC lithium ion batteries		■	■	■	■	■	■	00272939
Battery Charger C 4/36-ACS Li-Ion CPC Use with all 14.4 - 36 volt Hilti CPC lithium-ion batteries. Includes charger wtih Active Cooling System (ACS). Active cooling speeds up charging process by up to 33%. ACS also increases productivity in high temperature environments or in high use conditions by cooling the batteries for faster charging.		■	■	■	■	■	■	00272445

Battery Power Chart

	C 4/36 Li-CPC Standard Charger	C 4/36 -ACS Li-Ion CPC Charger
Active Cooling System	No (passive)	Yes (automatic)
Refresh Mode	Not needed for lithium-ion batteries	Not needed for lithium-ion batteries
Hilti battery tools that can be charged with this charger	SID/SIW 144-A CPC, SF/SFH 144-A CPC, ED 3500-A, SFL 144, SFH 18-A CPC, SID 18-A, SIW 18-A, SIW 18 3/8", ST 1800-A, WSR 18-A CPC, TE 4-A18, SIW 18T-A CPC, SD 4500-A18 CPC, SF 18-A CPC, SFC 18, SFL 18, WSC 7.25-A CPC, WSR 36-A CPC, WSC 7.25-A CPC, TE 6-A36 AVR, TE 7-A Li CPC	SID/SIW 144-A CPC, SF/SFH 144-A CPC, ED 3500-A, SFL 144, SFH 18-A CPC, SID 18-A, SIW 18-A, SIW 18 3/8", ST 1800-A, WSR 18-A CPC, TE 4-A18, SIW 18T-A CPC, SD 4500-A18 CPC, SF 18-A CPC, SFC 18, SFL 18, WSC 7.25-A CPC, WSR 36-A CPC, TE 6-A36 AVR, TE 7-A Li CPC
State of Charge Light	Yes	Yes

Li-Ion Battery Charging Chart*

Battery Name	Tool	Voltage	Amp- Hours (Ah)	Charging time with C 4/36 Li-Ion CPC	Charging time with C 4/36 Li-Ion CPC ACS
B 36 3.0-Ah CPC	TE 6-A Li, TE 6-A36 AVR, WSR 36-A	36 V	3.0-Ah	63 min.	28 min.
B 36 3.9-Ah CPC	TE 6-A Li, TE 6-A36 AVR, TE 7-A, WSC 7.25-A Li, WSR 36-A	36 V	3.9-Ah	93 min.	36 min.
B 18 C 1.6-Ah CPC	SFC 18-A, SD 4500-A, SID 18-A, SIW 18-A, SIW 18 3/8", ST 1800-A, SFL 18	18 V	1.6-Ah	20 min.	15 min.
B 18 3.3-Ah CPC	SFH 18-A, SF 18-A, WSR 18-A, SD 4500-A18, TE 4-A18T, SID 18-A, SIW 18-A, SIW 18 3/8", ST 1800-A, SIW 18T-A, SFL 18-A	18 V	3.3-Ah	48 min.	24 min.
B 14.4 2.6-Ah CPC	SFH 144, SF 144, SID/SIW 144-A, SFL 14, ED-3500-A dispenser	14.4 V	2.6-Ah	30 min.	24 min.

* Charging times are approximate

TM Smooth Shank Masonry Drill Bits (Fractional)

Carbide tipped bit used for drilling in brick, masonry block, concrete and stone

Order Description	Working Length	Item No. Single Pack
TM 3/16" x 4" Masonry Drill Bit	2-1/8"	00061465
TM 3/16" x 6" Masonry Drill Bit	3"	00061466
TM 1/4" x 4" Masonry Drill Bit	2-1/8"	00061469
TM 1/4" x 6" Masonry Drill Bit	3"	00061470
TM 1/4" x 18" Masonry Drill Bit	16"	00061467
TM 5/16" x 6" Masonry Drill Bit	3"	00061474
TM 3/8" x 6" Masonry Drill Bit	3"	00061477
TM 3/8" x 18" Masonry Drill Bit	16"	00061468
TM 3/8" x 24" Masonry Drill Bit	21-1/2"	00061471
TM 1/2" x 6" Masonry Drill Bit	3"	00061483
TM 1/2" x 18" Masonry Drill Bit	16"	00061472
TM 9/16" x 6" Masonry Drill Bit	3"	00061485
TM 5/8" x 8" Masonry Drill Bit	5-1/2"	00062898

Fractional Heavy Duty Jobbers 135 Degree Split Point

M2 steel for best lifetime drilling in normal steel

Suitable for medium alloyed steel, cast iron, high temperature alloys, heat treated materials, wood and plastic abrasives

Description	Decimal Equiv.	Overall Length	Flute Length	Qty	Item No.
HSS Jobber 1/16" Pkg	0.0625	1-7/8"	7/8"	12	00233868
HSS Jobber 5/64" Pkg	0.0781	2"	1"	12	00233882
HSS Jobber 3/32" Pkg	0.0938	2-1/4"	1-1/4"	12	00233883
HSS Jobber 7/64" Pkg	0.1094	2-5/8"	1-1/2"	12	00234079
HSS Jobber 1/8" Pkg	0.1250	2-3/4"	1-5/8"	12	00234421
HSS Jobber 9/64" Pkg	0.1406	2-7/8"	1-3/4"	12	00238001
HSS Jobber 5/32" Pkg	0.1563	3-1/8"	2-1/8"	12	00241283
HSS Jobber 11/64" Pkg	0.1719	3-1/4"	2-1/3"	12	00241355
HSS Jobber 3/16" Pkg	0.1875	3-1/2"	2-5/16"	12	00241356
HSS Jobber 13/64" Pkg	0.2031	3-5/8"	2-7/16"	12	00241360
HSS Jobber 7/32" Pkg	0.2188	3-3/4"	2-1/2"	12	00241361
HSS Jobber 15/64" Pkg	0.2344	3-7/8"	2-5/8"	12	00246455
HSS Jobber 1/4" Pkg	0.2500	4"	2-3/4"	12	00246474
HSS Jobber 17/64" Pkg	0.2656	4-1/8"	2-7/8	6	00246486
HSS Jobber 9/32" Pkg	0.2812	4-1/4"	2-15/16"	6	00271011
HSS Jobber 19/64" Pkg	0.2969	4-3/8"	3-5/64"	6	00273327
HSS Jobber 5/16" Pkg	0.3125	4-1/2"	3-3/16"	6	00273328
HSS Jobber 21/64" Pkg	0.3281	4-39/64"	3-5/16"	6	00273329
HSS Jobber 11/32" Pkg	0.3438	4-49/64"	3-27/64"	6	00273330
HSS Jobber 23/64" Pkg	0.3594	4-57/64"	3-1/2"	6	00361820
HSS Jobber 3/8" Pkg	0.3750	5"	3-5/8"	6	00383956
HSS Jobber 7/16" Pkg	0.4375	5-1/2"	4-1/16"	6	00410601
HSS Jobber 1/2" Pkg	0.5000	6"	4-1/2"	6	00410605

Fractional Cobalt Jobbers 135 Degree Split Point

M35 steel for harder base material

Suitable for medium alloyed steel, stainless steel, hardened grades of stainless steel

Description	Decimal Equiv.	Overall Length	Flute Length	Qty	Item No.
Cobalt Jobber 1/16" Pkg	0.0625	1-7/8"	7/8"	12	00410606
Cobalt Jobber 3/32" Pkg	0.0938	2-1/4"	1-1/4"	12	00410608
Cobalt Jobber 7/64" Pkg	0.1094	2-5/8"	1-1/2"	12	00410609
Cobalt Jobber 1/8" Pkg	0.1250	2-3/4"	1-5/8"	12	00410610
Cobalt Jobber 9/64" Pkg	0.1406	2-7/8"	1-3/4"	12	00410611
Cobalt Jobber 5/32" Pkg	0.1563	3-1/8"	2"	12	00410612
Cobalt Jobber 11/64" Pkg	0.1719	3-1/4"	2-1/8"	12	00410613
Cobalt Jobber 3/16" Pkg	0.1875	3-1/2"	2-5/16"	12	00410614
Cobalt Jobber 13/64" Pkg	0.2031	3-5/8"	2-7/16"	12	00410615
Cobalt Jobber 7/32" Pkg	0.2188	3-3/4"	2-1/2"	12	00410616
Cobalt Jobber 15/64" Pkg	0.2344	3-7/8"	2-5/8"	12	00410617
Cobalt Jobber 1/4" Pkg	0.2500	4"	2-3/4"	12	00410618
Cobalt Jobber 17/64" Pkg	0.2656	4-1/8"	2-7/8	6	00410619
Cobalt Jobber 9/32" Pkg	0.2812	4-1/4"	2-15/16"	6	00410620
Cobalt Jobber 5/16" Pkg	0.3125	4-1/2"	3-3/16"	6	00410622
Cobalt Jobber 21/64" Pkg	0.3281	4-39/64"	3-5/16"	6	00410623
Cobalt Jobber 3/8" Pkg	0.3750	5"	3-5/8"	6	00410626
Cobalt Jobber 25/64" Pkg	0.3906	5-1/8"	3-3/4"	6	00410627
Cobalt Jobber 27/64" Pkg	0.4219	5-25/64"	3-15/16"	6	00410629
Cobalt Jobber 7/16" Pkg	0.4375	5-1/2"	4-1/16"	6	00410630
Cobalt Jobber 1/2" Pkg	0.5000	6"	4-1/2"	6	00410635

*Item not returnable

Stepper Bits

- Incrementally flared bit used to widen existing holes with consistent precision
- Suitable for ferrous and non-ferrous sheet metal, wood, plastic laminates, maintenance, electrical contracting, plumbing, auto body repair, heating, air conditioning and rust proofing

Description	Package Contents	Drilling Range	Qty	Item No.
Stepper 13	13 Steps: 1/8", 5/32", 3/16", 7/32", 1/4", 9/32", 5/16",11/32", 3/8", 13/32", 7/16", 15/32", 1/2"	1/8" to 1/2"	1	00284643
Stepper 6	6 Steps: 3/16", 1/4", 5/16", 3/8", 7/16", 1/2"	3/16" to 1/2"	1	00283159
Stepper 12	12 Steps: 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"	3/16" to 7/8"	1	00284645
Stepper 9	9 Steps: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"	1/4" to 3/4"	1	00284644
Stepper 12B	12 Steps: 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8"	7/16" to 1-1/8"	1	00284646
Stepper 11	11 Steps: 3/4", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4", 1-5/16", 1-3/8"	3/4" to 1-3/8"	1	00284647

Recommended Cutting Speeds for Stepper Bits

1/8" to 3/8"	1200 rpm
3/8" to 1/2"	600 rpm
1/2" to 5/8"	400 rpm
5/8" to 3/4"	350 rpm
3/4" to 7/8"	300 rpm
1"	260 rpm
1-1/8"	240 rpm
1-1/2"	200 rpm

Spade Bits

High speed wood spade bits. Self-feeding screw point, wing tips and cupped spade increase speed and ease of drilling

Order Description	Qty	Item No.
WDB-S-H1/4 1/4" x 6"	3	02025584
WDB-S-H1/4 3/8" x 6"	3	02025585
WDB-S-H1/4 1/2" x 6"	3	02025586
WDB-S-H1/4 9/16" x 6"	3	02025587
WDB-S-H1/4 5/8" x 6"	3	02025588
WDB-S-H1/4 3/4" x 6"	3	02025589
WDB-S-H1/4 13/16" x 6"	3	02025590
WDB-S-H1/4 7/8" x 6"	3	02025591
WDB-S-H1/4 1" x 6"	3	02025592
WDB-S-H1/4 1-1/8" x 6"	3	02025593
WDB-S-H1/4 1-1/4" x 6"	3	02025594
WDB-S-H1/4 1-3/8" x 6"	3	02025595
WDB-S-H1/4 1-1/2" x 6"	3	02025596
WDB-S-H1/4 6" Includes (1) of each 3/8", 1/2", 5/8", 3/4", 7/8", 1"	6	02025597

Impact Sockets — Standard

Order Description	Item No.
Impact Socket S-NSD-1/2" — 3/8" Standard	00289146
Impact Socket S-NSD-1/2" — 7/16" Standard	00291974
Impact Socket S-NSD-1/2" — 1/2" Standard	00304750
Impact Socket S-NSD-1/2" — 9/16" Standard	00305114
Impact Socket S-NSD-1/2" — 5/8" Standard	00305474
Impact Socket S-NSD-1/2" — 11/16" Standard	00305476
Impact Socket S-NSD-1/2" — 3/4" Standard	00305683
Impact Socket S-NSD-1/2" — 13/16" Standard	00314674
Impact Socket S-NSD-1/2" — 7/8" Standard	00315702
Impact Socket S-NSD-1/2" — 15/16" Standard	00315703
Impact Socket S-NSD-1/2" — 1" Standard	00315704
Impact Socket S-NSD-1/2" — 1-1/16" Standard	00331442
Impact Socket S-NSD-1/2" — 1-1/8" Standard	00331444
Impact Socket S-NSD-1/2" — 1-3/16" Standard	00331455
Impact Socket S-NSD-1/2" — 1-1/4" Standard	00331456
Impact Socket S-NSD-1/2" — 1-5/16" Standard	00331457
Impact Socket S-NSD-1/2" — 1-3/8" Standard	00332026
Impact Socket S-NSD-1/2" — 1-7/16" Standard	00333011
Impact Socket S-NSD-1/2" — 1-1/2" Standard	00336383

Impact Sockets — Long

Order Description	Item No.
Impact Socket S-NSD-1/2" — 3/8" Long	00339784
Impact Socket S-NSD-1/2" — 7/16" Long	00339785
Impact Socket S-NSD-1/2" — 1/2" Long	00340649
Impact Socket S-NSD-1/2" — 9/16" Long	00348824
Impact Socket S-NSD-1/2" — 5/8" Long	00370562
Impact Socket S-NSD-1/2" — 11/16" Long	00371834
Impact Socket S-NSD-1/2" — 3/4" Long	00371835
Impact Socket S-NSD-1/2" — 13/16" Long	00371836
Impact Socket S-NSD-1/2" — 7/8" Long	00371880
Impact Socket S-NSD-1/2" — 15/16" Long	00373549
Impact Socket S-NSD-1/2" — 1" Long	00373550
Impact Socket S-NSD-1/2" — 1-1/16" Long	00373551
Impact Socket S-NSD-1/2" — 1-1/8" Long	00373552
Impact Socket S-NSD-1/2" — 1-3/16" Long	00373553
Impact Socket S-NSD-1/2" — 1-1/4" Long	00373554
Impact Socket S-NSD-1/2" — 1-5/16" Deep	00373602
Impact Socket S-NSD-1/2" — 1-3/8" Deep	00373603
Impact Socket S-NSD-1/2" — 1-7/16" Deep	00374687
Impact Socket S-NSD-1/2" — 1-1/2" Deep	00375857

Impact Sockets Sets

Description	Item No.
Impact Socket Set (Fixed) Includes the following 6 standard sockets plus soft case: 1/2" S, 9/16" S, 5/8" S, 11/16" S, 13/16" S	03453488
Impact Socket Index Set (Deep) Includes 3/8" S, 1-7/16" S, 1-1/2" S, 3/8" L, 7/16" L, 9/16" L, 5/8" L, 11/16" L, 3/4" L, 13/16" L, 7/8" L, 15/16" L, 1" L, 1-1/16" L, 1-1/8" L, 1-3/16" L, 1-1/4" L, 1-5/16" L, 1-3/8" L, 1-7/16" L, 1-1/2" L, Impact Socket S-NSD-30 Degree Joint and Impact Socket S-NSD-1/2"-5" Extension	03485083
Impact Socket Set (Flex) Includes a choice of any 6 of the following impact sockets plus soft case: 3/8" S, 7/16" S, 1/2" S, 9/16" S, 5/8" S, 11/16" S, 3/4" S, 13/16" S, 7/8" S, 15/16" S, 1" S, 1-1/16" S, 1-1/8" S, 1-3/16" S, 1-1/4" S, 1-5/16" S, 1-3/8" S, 1-7/16" S, 1-1/2" S, 3/8" L, 7/16" L, 9/16" L, 5/8" L, 11/16" L, 3/4" L, 13/16" L, 7/8" L, 15/16" L, 1" L, 1-1/16" L, 1-1/8" L, 1-3/16" L, 1-1/4" L, 1-5/16" L, 1-3/8" L, 1-7/16" L, 1-1/2" L	03453490
S-NSD 6 Soft Case Holds up to 6 sockets	00376590
Impact Socket S-NSD-1/2"-5" Extension	00385942
Impact Socket S-NSD-30 Degree Joint	00386059

2

Insert Bits, Holders and Nut Setters

Insert Bits

Order Description	Qty	Item No.
#2 PHL Drywall	10	00374703
#2 PHL TEK Diamond Insert Bits — Long life Some contractors prefer these insert bits due to a coating that improves durability	10	00384626
#1 PHL TEK	10	00374706
#2 PHL TEK	10	00374708
#3 PHL TEK	10	00374711
#2 SQ DRV	10	00374683
S-B TX 25 Torx Bit	10	00374714
S-B TX 27 Torx Bit	10	00374715
S-MBL 116 PH2 Insert Bit (3 pack) 5" long power bit	3	00281299
S-MBL 116 PH2 Insert Bit (10 pack) 5" long power bit	10	00281298
Power Bit PH #2 x 2" (100 pk)	100	00084185

Insert Bit Holders

Order Description	Qty	Item No.
Magnetic Bit Holder — Long Standard (3") Use with SD 2500/SD 4500	1	00257258
Magnetic Bit Holder — Long Bronze Standard (3")	1	00087102
Magnetic Bit Holder — Short (2")	1	00257257

Nut Setter Short (2" length)

Order Description	Qty	Item No.
Magnetic Nut Setter 1/4"	1	00374640
Magnetic Nut Setter 5/16"	1	00374641
Magnetic Nut Setter 3/8"	1	00374642
Red Ring Nut Setter 5/16" Short Non-magnetic design with a ring and bearing to hold the screw — remains clear of metal filings	1	00308904
Red Ring Nut Setter 3/8" Short Non-magnetic design with a ring and bearing to hold the screw — remains clear of metal filings	1	00308905

Nut Setter Long (2-9/16" length)

Order Description	Qty	Item No.
Magnetic Nut Setter 5/16"	1	00084225
Magnetic Nut Setter 3/8"	1	00084227

Nickel Batteries (NiCd and NiMH)

Order Description		SF 121-A	SID 121-A	SIW 121-A	SF 151-A	SFH 151-A	SF 181-A	SFH 181-A	SF 4000-A	UH 240-A	TE 2-A	WSR 650-A	WSC 6.5-A	TE 6-A	SFL 12/15	SFL 24	Item No.
Battery Pack SFB 126 3.0-Ah NiMH		■	■	■											■		00340889
Battery Pack SFB 155 3.0-Ah NiMH					■	■									■		00340891
Battery Pack SFB 185 3.0-Ah NiMH							■	■	■								00370102
Battery Pack B 24 2.0-Ah NiCd										■	■	■	■			■	00378424
Battery Pack B 24 3.0-Ah NiMH										■	■	■	■			■	00378426
Battery Pack B 36 2.4-Ah NiCd														■			00228195

Chargers

Order Description		SFB 121	SFB 126	SFB 150	SFB 155	SFB 180	SFB 185	B 24 2.0-Ah	B 24 3.0-Ah	B 36 2.4-Ah	Item No.
Battery Charger C 7/24 With manual refresh, use with all 9.6 - 24 volt NiCd and NiMH Hilti batteries		■	■	■	■	■	■	■	■	■	00378449
Battery Charger C 7/36-ACS With automatic refresh and ACS Active Cooling System, use with all 9.6 - 36 volt NiCd and NiMH Hilti batteries. Active Cooling speeds up charging process by up to 33%. ACS also increases productivity in high temperature environments or in high use conditions by cooling the batteries for faster charging.		■	■	■	■	■	■	■	■	■	00378457

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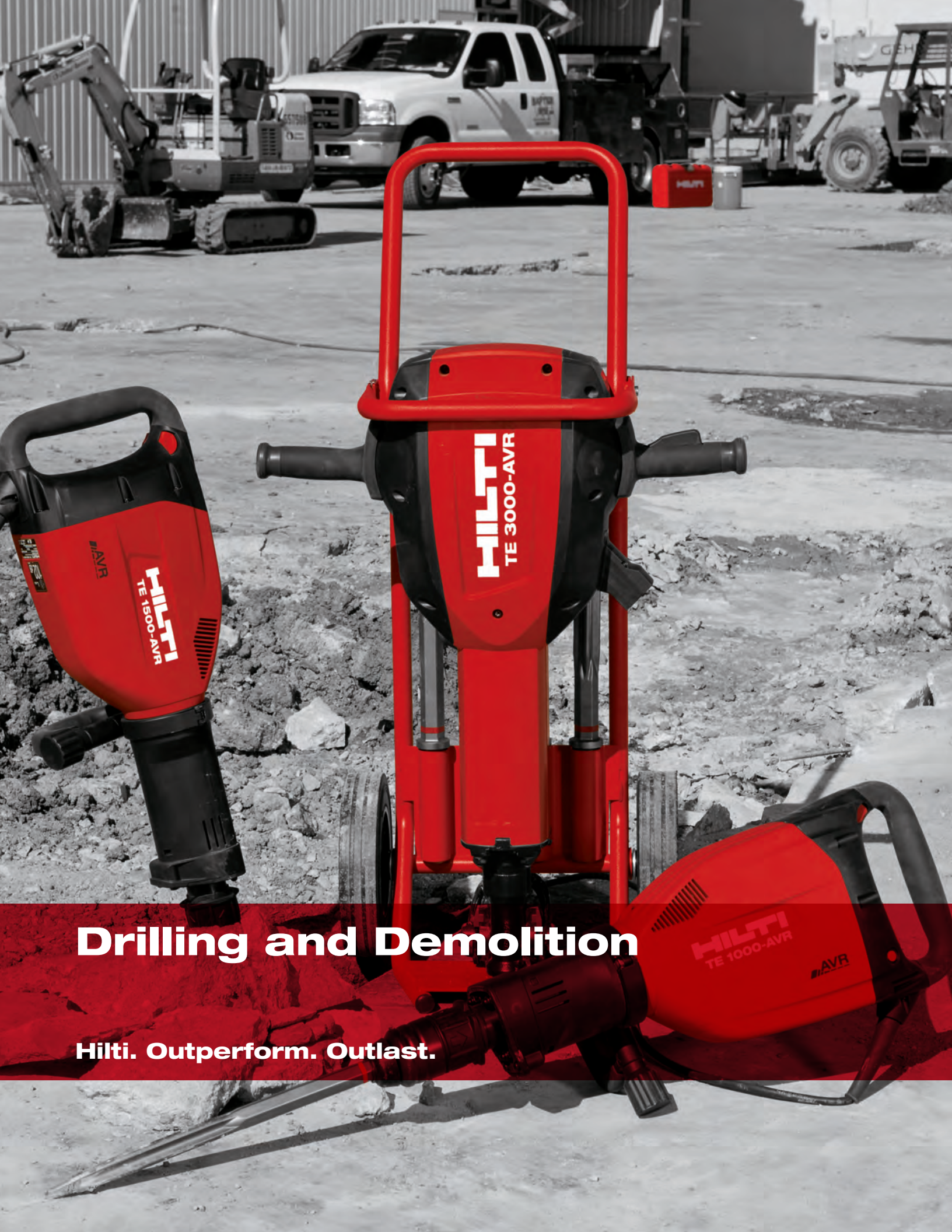

Drilling and Demolition

Hilti. Outperform. Outlast.

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UD 16 Universal Wood Drill

Features and Applications

- Large diameter gearing for longer tool life
- Optimized commutator for longer life in demanding applications
- Two speeds: first speed delivers high torque, second speed for fast drilling

Technical Data	UD 16
Rated input	710 W
Amperes	8 A
Speed 1 no load	900 rpm
Speed 2 no load	2500 rpm
Dimensions (L x W x H)	11.6 x 2.8 x 7.7 in
Weight	5.2 lb
Chucks	1/2" keyed or keyless

UD 30 Universal Metal Drill

Features and Applications

- Large diameter gearing for longer tool life
- Optimized commutator for longer life in demanding applications
- Two speeds: first speed delivers high torque, second speed for fast drilling

Technical Data	UD 30
Rated input	650 W
Amperes	6.5 A
Speed 1 no load	1200 rpm
Speed 2 no load	3300 rpm
Dimensions (L x W x H)	11.6 x 2.8 x 7.7 in
Weight	5.0 lb
Chucks	1/2" keyed or keyless

UH 700
Universal 1/2" Hammer Drill

Features and Applications

- Large diameter gearing for longer life
- Optimized commutator for longer life in demanding applications
- Speeds: first speed delivers high torque, second speed for fast drilling and a hammer drilling speed

Technical Data	UH 700
Rated input	710 W
Amperes	8 A
Speed 1 no load	900 rpm
Speed 2 no load	2500 rpm
Dimensions (L x W x H)	13 x 3 x 8 in
Weight	5.3 lb
Chucks	1/2" keyed

Order Information

Order Description	Package Contents	Item No.
UD 16 Keyless Universal Wood Drill	Includes tool in a cardboard box	00273752
UD 16 Keyed Universal Wood Drill	Includes tool in a cardboard box	00273749
UD 30 Keyless Universal Metal Drill	Includes tool in a cardboard box	00273758
UD 30 Keyed Universal Metal Drill	Includes tool in a cardboard box	00273756
UH 700 Keyed Performance Package	Includes tool, 1 each of TM bits: 3/16" x 6", 1/4" x 6", 1/4" x 4", 3/8" x 6", 1/2" x 6" in an impact-resistant plastic tool box	03441597

Accessories

Order Description		UD 16/30	UH 700	Item No.
Belt Hook		■		00240719
Case SG95		■		00257395
Key-Type Chuck Assembly		■	■	00266079
Chuck Key (for Key-Type Chucks)		■	■	00329023
Keyless Chuck Assembly		■	■	00228926

TM Smooth Shank Masonry Drill Bits

Ordering Information

Order Description	Working Length (in.)	Item No. Single Pack	Item No. 12 Pack	Item No. 36 Pack
TM 3/16" x 4" Masonry Drill Bit	2-1/8"	00061465	00000409	00028859
TM 3/16" x 6" Masonry Drill Bit	3"	00061466	00000410	00028860
TM 1/4" x 4" Masonry Drill Bit	2-1/8"	00061469	00000411	00028861
TM 1/4" x 6" Masonry Drill Bit	3"	00061470	00000412	00028862
TM 1/4" x 18" Masonry Drill Bit	16"	00061467	-	00028863
TM 5/16" x 6" Masonry Drill Bit	3"	00061474	-	-
TM 3/8" x 6" Masonry Drill Bit	3"	00061477	00000414	00028864
TM 3/8" x 18" Masonry Drill Bit	16"	00061468	00023848	00028865
TM 3/8" x 24" Masonry Drill Bit	21-1/2"	00061471	00023849	00028866
TM 1/2" x 6" Masonry Drill Bit	3"	00061483	00000415	00028867
TM 1/2" x 18" Masonry Drill Bit	16"	00061472	00023850	00028868
TM 9/16" x 6" Masonry Drill Bit	3"	00061485	-	-
TM 5/8" x 8" Masonry Drill Bit	5-1/2"	00062898	-	00028870

Smooth shank steel bits — see pages 50–52.

Tool Selector For Rotary Hammers

Anchor hole / through hole: 3/16"	1/4"	5/16"	3/8"	1/2"	9/16"	5/8"	11/16"	3/4"	7/8"	1"	1-1/8"	1-1/4"	1-3/8"	1-1/2"	1-9/16"	1-3/4"	2"	2-1/2"	2-5/8"	3"	3-1/4"	3-1/2"	4"	5"	6"	Material: Highly Reinforced Concrete	Concrete Granite Solid Brick	Hollow Bricks Tiles	Ratio Drilling / Chiseling	Weight (lb)	Benefits	Connection End	Tool
●	●	●	●	●	○	○	○	○																		○	●	○	◔	5.3		C 10 SDS plus	TE 2
●	●	●	●	●	○	○	○	○																		○	●	●	◔	5.3	PSD	C 10 SDS plus	TE 2-S
●	●	●	●	●	○	○																				○	●	○	◔	10.4	18V Li-Ion CPC	C 10 SDS plus	TE 4-A18
●	●	●	●	●	●	●	○	○																		○	●	●	◔	8.4	36 V Li-Ion CPC DRS AVR	C 10 SDS plus	TE 6-A36-AVR
	●	●	●	●	●	●	○	○	○	○																○	●	●	◔	6.2	DRS	C 10 SDS plus	TE 7
		●	●	●	●	●	●	○	○	○																○	●	○	◔	10.8	36 V Li-Ion CPC DRS	C 10 SDS plus	TE 7-A
			●	●	●	●	●	●	○	○																○	●	○	◔	7.0	DRS	C 10 SDS plus	TE 7-C
				●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●	●	○	◔	8.7		C 10 SDS plus	TE 30
				●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●	●	○	◔	8.8	AVR	C 10 SDS plus	TE 30-C-AVR
					●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●	●	○	◔	12.1	AVR	C 10 SDS plus	TE 40-AVR

● = optimal ○ = possible

◔ = approx. 50% drilling, 50% chiseling

DRS Dust Removal System

PSD Precision Specialty Drilling

ATC Active Torque Control

AVR Active Vibration Reduction

CPC - Cordless Power Care

Hilti. Outperform. Outlast.

Tool Selector For Combihammers

Anchor hole / through hole																											Material			Ratio Drilling / Chiseling	Weight (lb)	Benefits	Connection End	Tool
3/16"	1/4"	5/16"	3/8"	1/2"	9/16"	5/8"	11/16"	3/4"	7/8"	1"	1-1/8"	1-1/4"	1-3/8"	1-1/2"	1-9/16"	1-3/4"	2"	2-1/2"	2-5/8"	3-1/8"	3-1/4"	3-9/16"	4"	5"	6"	Highly Reinforced Concrete	Concrete Granite Solid Brick	Hollow Bricks Tiles					
						■	■	■	■	■																●	●		◔	12.3		TE-Y 18 SDS max	TE 50
						■	■	■	■	■	■	■	■	■												●	●		◔	13.9		TE-Y 18 SDS max	TE 60
						■	■	■	■	■	■	■	■	■												●	●	○	◔	16.3	ATC AVR	TE-Y 18 SDS max	TE 60-ATC -AVR
									■	■	■	■	■	■	■	■										●	●		◔	16.9		TE-Y 18 SDS max	TE 70
									■	■	■	■	■	■	■	■										●	●		◔	19.6	ATC	TE-Y 18 SDS max	TE 70-ATC
									■	■	■	■	■	■	■	■	■									●	●		◔	22.5	ATC AVR	TE-Y 18 SDS max	TE 80-ATC -AVR

● = optimal ○ = possible

◔ = approx. 50% drilling, 50% chiseling

DRS Dust Removal System

PSD Precision Specialty Drilling

ATC Active Torque Control

AVR Active Vibration Reduction

Hilti. Outperform. Outlast.

TE 4-A18 CPC Cordless Rotary Hammer Drill

Features and Applications

- Specially designed hammering mechanism for superior drilling performance up to 1/2"
- Light, compact design ideal for overhead and horizontal drilling
- Provides corded performance in a cordless tool

Technical Data	TE 4-A18 CPC
Voltage	18+ V
Full hammering frequency	5200 blows/min
Speed no load	0-1090 rpm
Single impact energy	1.5 ft-lb
Reverse switch	Yes
Dimensions (L x W x H)	12.75 x 3.7 x 7.9 in
Weight (with battery)	7.3 lb

TE 6-A36-AVR CPC Cordless Rotary Hammer Drill

Features and Applications

- Repetitive anchor hole drilling in all directions in concrete and masonry to 5/8"
- Designed to drill more holes per charge than any other cordless rotary hammer in the same class
- Superior working comfort due to Active Vibration Reduction (AVR)
- Virtually dustless drilling removing 97.8% of dust with the TE DRS-6A dust removal accessory

Technical Data	TE 6-A36-AVR CPC
Voltage	36 V
Full hammering frequency	5283 blows/min
Speed no load	0-1040 rpm
Single impact energy	1.5 ft-lb
Reverse switch	Yes
Dimensions (L x W x H)	13.5 x 3.7 x 8.5 in
Weight (with battery)	8.8 lb

TE 7-A CPC Cordless Rotary Hammer Drill

Features and Applications

- Strong motor delivers impressive impact power for effective chiseling and efficient drilling
- Three modes of operation including: rotation only, rotation with hammer, and hammer only (chiseling function)
- Virtually dust free drilling with the optional self-contained dust removal system (DRS)
- Designed to deliver higher drilling speed than any rotary hammer in the same class

Technical Data	TE 7-A CPC
Voltage	36 V
Full hammering frequency	4000 blows/min
Speed no load	0-740 rpm
Single impact energy	1.9 ft-lb
Reverse switch	Yes
Dimensions (L x W x H)	15.8 x 4.4 x 8.5 in
Weight (with battery)	10.8 lb

Order Information

Order Description	Package Contents	Item No.
TE 4-A18 Performance Package	Includes tool, (2) B 18 Li-Ion 3.3-Ah CPC batteries, C 4/36 Li-Ion CPC charger choice of soft bag or impact-resistant plastic tool box, plus one each of the following drill bits: TE-CX drill bits 1/4" x 6", 3/8" x 6" and 1/2" x 6"	03467879
TE 4-A18 Trade Package	Includes tool, (2) B 18 Li-Ion 3.3-Ah CPC batteries, C 4/36 Li-Ion CPC charger, choice of soft bag or impact-resistant plastic tool box, plus one each of the following TE-CX drill bits: 3/16" x 6", 1/4" x 6", 5/16" x 6", 3/8" x 6", 1/2" x 6", 5/8" x 8"	03467880
TE 6-A36-AVR Performance Package	Includes tool, (2) B 36 Li-Ion 3.0-Ah CPC batteries, C 4/36-ACS Li-Ion CPC charger in an impact-resistant plastic tool box, plus the following TE-CX drill bits: (1) 3/8" x 6", (1) 5/8" x 6" and (2) 1/2" x 6"	03471835
TE 6-A36-AVR Trade Package	Includes tool, (2) B 36 Li-Ion 3.0-Ah CPC batteries, C 4/36-ACS Li-Ion CPC charger in an impact-resistant plastic tool box, plus (1) TE-CX Performance Bit Pack (3/16" x 6", 1/4" x 6", 5-16" x 6", 3/8" x 6", 1/2" x 6" and 5/8" x 8")	03471837
TE 6-A36-AVR Professional Kit	Includes tool, TE DRS-6-A dust removal system, (2) B 36 Li-Ion 3.0-Ah CPC batteries, C 4/36-ACS Li-Ion CPC charger in an impact-resistant plastic tool box, plus the following TE-CX drill bits: (1) 3/8" x 6", (1) 5/8" x 6" and (2) 1/2" x 6"	03471838
TE 7-A Performance Package	Includes tool, side handle, (2) B36 Li-Ion 3.9-Ah CPC batteries, C 4/36-ACS Li-Ion CPC charger and operating instructions in an impact-resistant plastic tool box, plus one of each of the following TE-CX drill bits: 1/4" x 6", 3/8" x 6", 1/2" x 6", 5/8" x 8", 3/4" x 8" and TE-CP FM 18 flat chisel	03476238
TE 7-A Professional Kit	Includes tool, side handle, TE DRS-M dust removal module, (2) B36 Li-Ion 3.9-Ah CPC batteries, C 4/36-ACS Li-Ion CPC and operating instructions in an impact-resistant plastic tool box, plus one of each of the following TE-CX drill bits: 3/8" x 6", 1/2" x 6", 5/8" x 6" and TE-CP SM 18 flat chisel	03476239
TE 7-A Premium Kit	Includes tool, side handle, (2) B36 Li-Ion 3.9-Ah CPC batteries, C 4/36-ACS Li-Ion CPC charger and operating instructions in an impact-resistant plastic tool box	03476239

DRS

Features and Applications

- Increase dust collection by up to 97.8%
- Helps improve worker comfort and safety
- Helps reduce clean up time
- TE DRS 6-A is electronically powered to maintain drilling speed

TE DRS-6A
Dust Removal System
Item No. 00410738

+

TE 6-A36-AVR CPC
Cordless Rotary Hammer Drill

=

TE DRS-M
Dust Removal System
Item No. 00267769

+

TE 7-A CPC
Cordless Rotary Hammer Drill

=

18 Volt Cordless Combos — See pages 36–39.
36 Volt Cordless Combos — See page 41.

TE 2 and TE 2-S Rotary Hammer Drills

Features and Applications

- Fast and efficient drilling in concrete and masonry
- Click chuck and synchronized switch for high working comfort
- Sturdy motor with high load rating for maximum reliability
- Supported by Hilti Lifetime Service which includes the outstanding 2 Year No-Cost Coverage
- TE 2-S: Precision hammering feature for drilling into concrete and masonry, as well as brittle materials like tile and stone

Technical Data	TE 2/2-S
Rated input	650 W
Voltage	120 V
Speed under load	0-930 rpm
Full hammering frequency	0-4600 blows/min (Precision - 0-2400)
Single impact energy	1.3 ft-lb (Precision 0.4 ft-lb)
Reverse switch	Yes
Chiseling function	No chisel function
Dimensions (L x W x H)	14.3 x 3.5 x 8 in
Weight	5 lb

TE 7 Rotary Hammer Drill

Features and Applications

- Repetitive anchor hole drilling in all directions in concrete and masonry
- Occasional drilling in wood, steel and plastics using optional chuck adapter
- Optional, self contained Dust Removal System (TE DRS-M) for improved dust-free drilling
- Hammering mechanism specially designed for superior drilling performance up to 5/8"
- Perfectly matched with Hilti TE-CX drill bits to provide accurate anchor holes
- High efficiency motor for longer life

Technical Data	TE 7
Rated input	710 W
Voltage	120 V
Speed under load	0-1050 rpm
Full hammering frequency	0-4980 blows/min
Single impact energy	1.33 ft-lb
Reverse switch	Yes
Chiseling function	No chisel function
Dimensions (L x W x H)	12.6 x 3 x 8.5 in
Weight	6.4 lb

TE 7-C Rotary Hammer Drill

Features and Applications

- Strong motor delivers impressive impact power for effective chiseling and efficient drilling
- High torque makes it possible to drill with core bits up to 2" in masonry
- Oil lubrication provides longer life and better cooling by dissipating more heat than grease
- Low vibration provides high productivity
- Optional, self-contained dust removal system available

Technical Data	TE 7-C
Rated input	720 W
Voltage	120 V
Speed under load	0-740 rpm
Full hammering frequency	0-4020 blows/min
Single impact energy	1.9 ft-lb
Reverse switch	Yes
Chiseling function	Yes
Dimensions (L x W x H)	13.5 x 3.4 x 8.5 in
Weight	7.0 lb

3

TE 30 and TE 30-C-AVR Rotary Hammer Drill

Features and Applications

- Most impressive power-to-weight ratio in the TE-C class (SDS plus)
- TE 30-C-AVR: Active Vibration Reduction (AVR) delivers up to 2/3 lower vibration compared to other tools on the market
- Superior working comfort: perfect balance, low weight, compact design and low vibration
- For drilling anchor holes and through-holes in concrete, brick and block; drilling in wood and metal with shooth shank bits
- Driving anchor screws and concrete screw anchors
- Choice of chucks available, can be changed quickly without need for tools

Technical Data	TE 30/30-C-AVR
Rated input	850 W
Voltage	120 V
Speed 1 no load	750 rpm
Full hammering frequency	0-4080 blows/min
Single impact energy	2.4 ft-lb
Reverse switch	Yes
Chiseling function	TE 30-C-AVR: Yes
Dimensions (L x W x H)	14.13 x 3.7 x 8.4 in
Weight	TE 30: 8.71 lb TE 30-C-AVR: 8.81 lb

TE 40-AVR Combihammer

Features and Applications

- The most powerful combihammer in the TE-C class (SDS plus)
- A well-balanced design, ergonomic D-grip handle and Active Vibration Reduction (AVR) helps maximize worker comfort and increase productivity
- Wide range of applications with interchangeable chucks: click chucks (SDS-plus or SDS-top), 3-jaw key chuck and keyless quick-release chuck

Technical Data	TE 40-AVR
Rated input	1010 W
Voltage	120 V
Speed 1 no load	550 rpm
Full hammering frequency	0-3180 blows/min
Single impact energy	3.61 ft-lb
Reverse switch	No
Chiseling function	Yes
Dimensions (L x W x H)	16.7 x 4.4 x 9.6 in
Weight	12.3 lb

Order Information

Order Description	Package Contents	Item No.
TE 2 Performance Package (Fixed)	Includes tool in an impact-resistant plastic tool box plus one each of the following TE-CX drill bits: 3/16" x 6", 1/4" x 6", 3/8" x 6"	03476245
TE 2 Box Performance Package (Fixed)	Includes tool in a cardboard box plus one each of the following TE-CX drill bits: 3/16" x 6", 1/4" x 6", 3/8" x 6"	03476246
TE 2 Std - 3/16" Contractor Package	Includes tool in a cardboard box, plus (48) TE-C 3/16" x 6" drill bits	03441518
TE 2 Std - 1/4" Contractor Package	Includes tool in a cardboard box, plus (48) TE-C 1/4" x 6" drill bits	03441519
TE 2-S Performance Package (Fixed)	Includes tool in an impact-resistant plastic tool box plus one each of the following TE-CX drill bits: 3/16" x 6", 1/4" x 6", 3/8" x 6"	03476250
TE 2-S Trade Package	Includes tool in an impact-resistant plastic tool box and (1) TE-CX small diameter bit pack (3/16" x 6", 1/4" x 4", 1/4" x 6", 5/16" x 6", 3/8" x 6", 1/2" x 6")	03476251
TE 7 Performance Package	Includes tool in an impact resistant plastic tool box plus the following TE-CX drill bits: 1/4" x 6", 3/8" x 6" and (2) 1/2" x 6"	03471571
TE 7 Grounded Performance Package	Includes tool in an impact resistant plastic tool box plus the following TE-CX drill bits: 1/4" x 6", 3/8" x 6" and (2) 1/2" x 6"	03471572
TE 7 DRS Performance Package	Includes tool and TE-DRS-M in an impact resistant plastic tool box plus the following TE-CX drill bits: (1) 1/4" x 6", (1) 3/8" x 6" and (2) 1/2" x 6"	03471833
TE 7 Trade Pack	Includes tool in an impact resistant plastic tool box and (1) TE-CX Performance Bit Pack (3/16" x 6", 1/4" x 6", 5/16" x 6", 3/8" x 6", 1/2" x 6" and 5/8" x 8")	03471834
TE 7-C Performance Package	Includes tool plus one each of the following TE-CX drill bits: 3/8" x 6" and 1/2" x 6"	03476284
TE 7-C Performance Package (Grounded)	Includes tool plus one each of the following TE-CX drill bits: 3/8" x 6" and 1/2" x 6"	03476285
TE 7-C DRS Performance Package	Includes tool and TE-DRS-M in an impact-resistant plastic tool box plus one each of the following TE-CX drill bits: 3/8" x 6" and 1/2" x 6"	03476286
TE 7-C Trade Package	Includes tool in an impact-resistant plastic tool box and (1) Performance Bit Package (3/16" x 6", 1/4" x 6", 5/16" x 6", 3/8" x 6", 1/2" x 6" and 5/8" x 8")	03476287
TE 30 Performance Package (Fixed)	Includes tool in an impact-resistant plastic tool box and TE-CX bits: (2) 1/2" x 12", (2) 5/8" x 8"	03476289
TE 30 Performance Package (Flex)	Includes tool in an impact-resistant plastic tool box and choice of (3) TE-CX/TE-CX bits (up to 3/4" diameter and 18" length)	03451807
TE 30 Grounded Performance Package (Fixed)	Includes tool in an impact-resistant plastic tool box and the following TE-CX drill bits: (2) 1/2" x 12", (2) 5/8" x 8"	03477322
TE 30 Grounded Performance Package (Flex)	Includes tool in an impact-resistant plastic tool box and choice of (3) TE-CX/TE-CX drill bits (up to 3/4" diameter and 18" length)	03451809
TE 30 Mechanical Pack	Includes tool in an impact-resistant plastic tool box and the following TE-CX drill bits: (3) 1/4" x 6", (3) 3/8" x 6", (4) 1/2" x 6", (2) 5/8" x 8"	03476291
TE 30 Trade Pack	Includes tool and TE-CX performance pack (3/16" x 6", 1/4" x 6", 5/16" x 6", 3/8" x 6", 1/2" x 6" and 5/8" x 8")	03451811
TE 30-C-AVR Performance Package (Fixed)	Includes tool and TE-CX bits: (2) 1/2" x 12", (2) 5/8" x 8", and (1) TE-CP-SM25 pointed chisel	03476292
TE 30-C-AVR Performance Package (Flex)	Includes tool in an impact-resistant plastic tool box and choice of (2) TE-CX/CX drill bits (up to 7/8" diameter; up to 18" length) and (1) TE-CP FM/SM chisel	03451833
TE 30-C-AVR Contractor Pack	Includes tool in an impact-resistant plastic tool box and the following TE-CX drill bits: (4) 3/16" x 6", (4) 1/4" x 6", (2) 3/8" x 6" and (2) 1/2" x 6"	03476294
TE 30-C-AVR Trade Pack	Includes tool in an impact-resistant plastic tool box TE-CX performance bit pack (3/16" x 6", 1/4" x 6", 5/16" x 6", 3/8" x 6", 1/2" x 6" and 5/8" x 8") and TE-CP FM 18 narrow flat chisel	03476295
TE 40-AVR Trade Pack	Includes tool with TE-C (SDS-Plus) chuck, dust shield, cleaning cloth, safety precautions, operating instructions packed in an impact-resistant plastic tool box and the following TE-CX drill bits: (1) 3/8" x 6", (2) 1/2" x 6" and (1) 5/8" x 8" TE-CX bits: (1) 3/4" x 8" and (1) 7/8" x 10"	03476297
TE 40-AVR Performance Pack	Includes tool with TE-C (SDS-Plus) chuck, dust shield, cleaning cloth, safety precautions, operating instructions packed in an impact-resistant plastic tool box and TE-CX drill bits: (1) 5/8"x 8" TE-CX bit: (1) 3/4"x 8"	03476296
TE 40-AVR Performance Pack (Flex)	Includes tool in an impact-resistant plastic tool box and choice of one TE-CX/TE-CX drill bit (up to 1" diameter and 18" length) and one TE-CP FM or TE-CP SM chisel	03433923

Accessories

Order Description		TE 2/2-S	TE 6-A 36-AVR	TE 4-A18	TE 7	TE 7-C	TE 7-A CPC	TE 30-C-AVR	TE 40-AVR	Item No.
Dust Removal System TE-DRS-M Dust module with extraction fan, dust container with filter, depth gauge, end stop, push-fit coupling, packed in a cardboard box TE DRS-M Replacement Filter — Item No. 00343253					■	■	■			00267769
Dust Removal System TE-DRS-6A Dust module with extraction fan, dust container with filter, depth gauge, end stop, push-fit coupling, packed in a cardboard box (for use with TE 6-A36-AVR only) TE DRS-6A Replacement Filter — Item No. 00428625			■							00410738
Dust Removal System TE-DRS-S Includes small and large extraction heads and hose. Attaches to drill depth gauge and is used with Hilti Vacuum Cleaners. Maximum bit capacity is 3-1/4" diameter and 15-1/2" length		■	■	■	■	■	■	■	■	00340602
Spare Parts Pack TE-DRS-S		■	■	■	■	■	■	■	■	00340603
Hose TE-DRS-S Use with TE-DRS-S		■	■	■	■	■	■	■	■	00340604
Extraction Head 3/16" - 1" diameter drill bits Use with TE-DRS-S		■	■	■	■	■	■	■	■	00340605
Extraction Head 1" - 3-1/4" diameter drill bits Use with TE-DRS-S		■	■	■	■	■	■	■	■	00340606
Connecting Piece Connects vacuum hose to DRS assembly		■	■	■	■	■	■	■	■	00072920
Blow Out Bulb Use to blow dust from small anchor holes		■	■	■	■	■	■	■	■	03412836
1/2" Key-Type Chuck Assembly Use with Chuck Spindle TE-C+BFH (0060459 required)		■		■						00240704
1/2" Keyless Chuck Assembly Use with Chuck Spindle TE-C- BFH (0060459 required)		■		■						00060208
Chuck Spindle TE-C-BFH Use with Keyless Chuck Assembly (00060208) or 1/2" Key-Type Chuck Assembly (00240704)		■		■						00060459
1/2" Key-Type Chuck Not suitable for hammering			■		■	■	■			00228434
1/2" Quick-Release Chuck Not suitable for hammering			■		■	■	■			00338905
Replacement SDS Chuck			■		■	■	■			00273118
Angular Chuck TE-AC 1 Maximum recommended bit diameter 5/8"			■		■	■	■			00272701
Chuck TE-C-Click								■	■	00305590
1/2" Quick-Release Chuck For drill bits with cylindircal or hexagonal shank (up to 1/2 in / 13 mm) Not suitable for hammering								■	■	00282341
1/2" Key-Type Chuck For drill bits with cylindircal or hexagonal shank (up to 1/2 in / 13 mm) Not suitable for hammering								■	■	00282342
Drill Chuck Key Use with all Hilti Key-Type chucks		■	■	■	■	■	■	■	■	00075283

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TE-CX Hammer Drill Bits

Features and Applications

- Solid carbide head with four carbide cutting edges in “X” configuration, for optimum drilling performance
- Special two-component tungsten carbide incorporating gradient technology for superior impact absorption (e.g. when drilling into rebar) and high resistance to overheating (e.g. when drilling through pre-drilled steel plates)
- New helix design for rapid drilling progress — each carbide cutting edge runs out into its own flute, ensuring excellent removal of dust and fragments

Intelligence Built In

Gradient Technology

The TE-CX drill bit head is made from special two-component tungsten carbide and offers:

- Superior shock adsorption (e.g. when hitting rebar)
- Highly resistant to overheating (e.g. when drilling through pre-drilled steel plates)
- Up to 30% longer life compared to other hammer drill bits

SDS plus

Order Description	Working Length	Item No. Single	Item No. 6 Pack	Item No. 24 Pack	Item No. 72 Pack
Hammer Drill Bit TE-CX 3/16" x 4"	2 in	00434994	00434897	00434988	03477537
Hammer Drill Bit TE-CX 3/16" x 6"	4 in	00434995	00434898	00434989	03480742
Hammer Drill Bit TE-CX 3/16" x 8"	5-1/2 in	00434996	00434905	-	-
Hammer Drill Bit TE-CX 3/16" x 12"	9-1/2 in	00434997	-	-	-
Hammer Drill Bit TE-CX 3/16" x 16"	13-1/4 in	00434998	-	-	-
Hammer Drill Bit TE-CX 1/4" x 4	2 in	00434999	00434906	00434990	03477539
Hammer Drill Bit TE-CX 1/4" x 6"	4 in	00435000	00434908	00434991	03477540
Hammer Drill Bit TE-CX 1/4" x 8"	5-1/2 in	00435001	00434983	-	-
Hammer Drill Bit TE-CX 1/4" x 12"	9-1/2 in	00435002	-	-	-
Hammer Drill Bit TE-CX 5/16" x 6"	4 in	00435003	00434984	-	-
Hammer Drill Bit TE-CX 5/16" x 12"	9-1/2 in	00435004	-	-	-
Hammer Drill Bit TE-CX 5/16" x 18"	15-1/4 in	00435005	-	-	-
Hammer Drill Bit TE-CX 3/8" x 6"	4 in	00435006	00434985	00434992	-
Hammer Drill Bit TE-CX 3/8" x 12"	9-1/2 in	00435007	-	-	-
Hammer Drill Bit TE-CX 3/8" x 18"	15-1/4 in	00435008	-	-	-
Hammer Drill Bit TE-CX 3/8" x 24"	21-1/4 in	00435009	-	-	-
Hammer Drill Bit TE-CX 7/16" x 6"	4 in	00435010	-	-	-
Hammer Drill Bit TE-CX 7/16" x 18"	15-1/4 in	00435011	-	-	-
Hammer Drill Bit TE-CX 1/2" x 6"	4 in	00435012	00434986	00434993	-
Hammer Drill Bit TE-CX 1/2" x 12"	9-1/2 in	00435013	-	-	-
Hammer Drill Bit TE-CX 1/2" x 18"	15-1/4 in	00435014	-	-	-
Hammer Drill Bit TE-CX 9/16" x 6"	4 in	00435015	-	-	-
Hammer Drill Bit TE-CX 9/16" x 12"	9-1/2 in	00435016	-	-	-
Hammer Drill Bit TE-CX 9/16" x 18"	15-1/4 in	00435017	-	-	-
Hammer Drill Bit TE-CX 5/8" x 8"	5-1/2 in	00435018	00434987	-	-
Hammer Drill Bit TE-CX 5/8" x 12"	9-1/2 in	00435019	-	-	-
Hammer Drill Bit TE-CX 5/8" x 18"	15-1/4 in	00435020	-	-	-
Hammer Drill Bit TE-CX 11/16" x 12"	9-1/2 in	00426821	-	-	-
Hammer Drill Bit TE-CX 11/16" x 18"	15-1/4 in	00426822	-	-	-
Hammer Drill Bit TE-CX 3/4" x 8"	5-1/2 in	00426823	-	-	-
Hammer Drill Bit TE-CX 3/4" x 12"	9-1/2 in	00426824	-	-	-
Hammer Drill Bit TE-CX 3/4" x 18"	15-1/4 in	00426825	-	-	-
Hammer Drill Bit TE-CX 13/16" x 18"	15-1/4 in	00426826	-	-	-
Hammer Drill Bit TE-CX 27/32" x 10	5-1/2 in	00426827	-	-	-
Hammer Drill Bit TE-CX 27/32" x 18"	15-1/4 in	00426828	-	-	-
Hammer Drill Bit TE-CX 7/8" x 10"	7-1/2 in	00426829	-	-	-
Hammer Drill Bit TE-CX 7/8" x 18"	15-1/4 in	00426830	-	-	-
Hammer Drill Bit TE-CX 1" x 10"	7-1/2 in	00421979	-	-	-
Hammer Drill Bit TE-CX 1" x 18	15-1/4 in	00421980	-	-	-
Hammer Drill Bit TE-CX 1" x 27"	24-1/4 in	00427818	-	-	-

TE-CX Hammer Drill Bit Sets

Order Description	Package Content	Item No.
Hammer Drill Bit TE-CX M4 General Contractor Set	Includes 1 each TE-CX: 3/16" x 6", 1/4" x 6", 5/16" x 6", 3/8" x 6", 1/2" x 6", 5/8" x 6"	00435021
Hammer Drill Bit TE-CX M5 Small Diameter Set	Includes 1 each TE-CX: 3/16" x 6", 1/4" x 4", 1/4" x 6", 5/16" x 6", 3/8" x 6", 1/2" x 6"	00435022
Hammer Drill Bit TE-CX M6 Universal Set	Includes 2 each TE-CX: 1/4" x 6", 3/8" x 6", 1/2" x 6"	00435023

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TE-CX Hammer Drill Bits (Metric)

Order Description (mm/cm)	Working Length	Item No.
Hammer Drill Bit TE-CX 5/12	2 in	00433782
Hammer Drill Bit TE-CX 5/15	3-7/8 in	00433784
Hammer Drill Bit TE-CX 5/17	4 in	00433786
Hammer Drill Bit TE-CX 5/22	6 in	00433787
Hammer Drill Bit TE-CX 6/12	2 in	00433788
Hammer Drill Bit TE-CX 6/17	4 in	00433789
Hammer Drill Bit TE-CX 8/17	4 in	00409176
Hammer Drill Bit TE-CX 8/22	6 in	00409177
Hammer Drill Bit TE-CX 8.5/17	4 in	00409183
Hammer Drill Bit TE-CX 9/22	6 in	00409186
Hammer Drill Bit TE-CX 10/17	4 in	00409188
Hammer Drill Bit TE-CX 10/22	6 in	00409189
Hammer Drill Bit TE-CX 10/47	15-3/4 in	00409192
Hammer Drill Bit TE-CX 12/17	4 in	00409197
Hammer Drill Bit TE-CX 12/22	6 in	00409198
Hammer Drill Bit TE-CX 12/27	7-3/4 in	00409199
Hammer Drill Bit TE-CX 14/22	6 in	00409206
Hammer Drill Bit TE-CX 14/27	7-3/4 in	00409207
Hammer Drill Bit TE-CX 14/47	15-3/4 in	00409209
Hammer Drill Bit TE-CX 15/17	4 in	00409211
Hammer Drill Bit TE-CX 15/27	7-3/4 in	00409212
Hammer Drill Bit TE-CX 15/47	15-3/4 in	00409213
Hammer Drill Bit TE-CX 16/22	6 in	00409215
Hammer Drill Bit TE-CX 16/61	21-1/4 in	00409218
Hammer Drill Bit TE-CX 18/22	6 in	00421956
Hammer Drill Bit TE-CX 18/48	15-1/2 in	00421961
Hammer Drill Bit TE-CX 20/22	6 in	00421963
Hammer Drill Bit TE-CX 20/32	10 in	00421965
Hammer Drill Bit TE-CX 24/27	7-3/4 in	00421971
Hammer Drill Bit TE-CX 25/27	7-3/4 in	00421977
Hammer Drill Bit TE-CX 28/27	7-3/4 in	00421981
Hammer Drill Bit TE-CX 28/48	15-1/2 in	00421983

TE-C Standard Carbide Masonry Bits

The ultimate in drilling value, the Hilti TE-C line of drill bits raises the industry standard for performance. With its newly designed double fluting and brazed carbide tip, this bit is for professionals who want to get the job done faster.

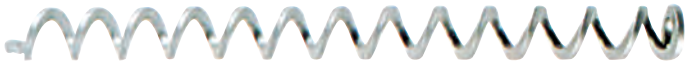
Order Description	Working Length	Item No. Single	Item No. 6 Pack	Item No. 24 Pack
Hammer Drill Bit TE-C 5/32" x 6"	4 in	00385069	03452177	00385498
Hammer Drill Bit TE-C 3/16" x 4"	2 in	00385070	03452178	00385499
Hammer Drill Bit TE-C 3/16" x 6"	4 in	00385071	03452179	00385500
Hammer Drill Bit TE-C 1/4" x 4"	2 in	00385072	03452180	00385501
Hammer Drill Bit TE-C 1/4" x 6"	4 in	00385073	03452181	00385502
Hammer Drill Bit TE-C 5/16" x 6"	4 in	00385074	03452182	-
Hammer Drill Bit TE-C 5/16" x 12"	9-1/2 in	00385075	03452533	-
Hammer Drill Bit TE-C 3/8" x 6"	4 in	00385076	03452534	00385503
Hammer Drill Bit TE-C 3/8" x 12"	9-1/2 in	00385077	03452535	-
Hammer Drill Bit TE-C 7/16" x 6"	4 in	00385078	03452536	-
Hammer Drill Bit TE-C 7/16" x 12"	9-1/2 in	00385079	03452537	-
Hammer Drill Bit TE-C 1/2" x 6"	4 in	00385080	03452538	00385504
Hammer Drill Bit TE-C 1/2" x 12"	9-1/2 in	00385081	03452539	-
Hammer Drill Bit TE-C 1/2" x 18"	15-1/4 in	00385082	03452540	-
Hammer Drill Bit TE-C 9/16" x 6"	4 in	00385083	03452541	-
Hammer Drill BitTE-C 9/16" x 12"	9-1/2 in	00385084	03452542	-
Hammer Drill Bit TE-C 5/8" x 8"	5-1/2 in	00385085	03452543	-
Hammer Drill Bit TE-C 5/8" x 12"	9-1/2 in	00385086	-	-
Hammer Drill Bit TE-C 3/4" x 8"	5-1/2 in	00284333	-	-
Hammer Drill Bit TE-C 3/4" x 12"	9-1/2 in	00355327	-	-
Hammer Drill Bit TE-C 7/8" x 10"	7-1/2 in	00355329	-	-
Hammer Drill Bit TE-C 1" x 10"	7-1/2 in	00355330	-	-

Hilti. Outperform. Outlast.

TE-C GB Bell-Shaped Breach Bit TE-C GB 30/45-11/8"

Order Description	Drill Bit Diameter (in)	Working Length	Item No.
Bell-Shaped Bit TE-C GB 30/45 x 1-1/8"	1-1/8 in	15-1/4 in	00220629
Bell-Shaped Bit TE-C GB 32/45 x 1-1/4"	1-1/4 in	15-1/4 in	00220630
Bell-Shaped Bit TE-C GB 38,5/45 x 1-1/2"	1-1/2 in	15-1/4 in	00220631

TE-C-GB Replacement Parts



Order Description	Working Length	Item No.
TE-C+ GB 1-1/8" x 18"	15-1/4 in	00262030
TE-C+ GB 1-1/4" x 18"	15-1/4 in	00262031
TE-C+ GB 1-1/2" x 18"	15-1/4 in	00262029
Sleeve	-	00001900
Spring Lock Washer	-	00001879
Washer 3MM	-	00001878

TE-C Core Bit*

Order Description	Item No.
Percussion Core Bit TE-C-BK TW 1-1/4"	00028844
Percussion Core Bit TE-C-BK TW 1-1/2"	00028845
Percussion Core Bit TE-C-BK TW 2"	00028846
Percussion Core Bit TE-C-BK TW 2-1/2"	00028847
Percussion Core Bit TE-C-BK TW 3"	00028896
Percussion Core Bit TE-C-BK TW 3-1/2"	00028897
Core Bit Shank BK-BS 1-1/4" to 1-1/2" x 12"	00028848
Core Bit Shank BK-BS 2" to 3-1/2" x 12"	00028849

*Core bit and shank are purchased separately

TE-C Core Bit Replacement Centering Pins and Guide Plates

Order Description	Item No.
Centering Pin BK-CP 1-1/4 x 1-1/2	00028850
Centering Pin BK-CP 2 x 3-1/2"	00028851
Guide Plate BK-TW 1-1/2"	00028879
Guide Plate BK-TW 1-1/4"	00028852
Guide Plate BK-TW 2"	00028880
Guide Plate BK-TW 2-1/2"	00028881
Guide Plate BK-TW 3"	00028898
Guide Plate BK-TW 3-1/2"	00028899

TE-CP SM Pointed Polygon Chisel

Order Description	Length	Width	Item No.
Pointed Chisel TE-CP SM 18	7 in	-	00282298
Pointed Chisel TE-CP SM 25	10 in	-	00282299

TE-CP FM Narrow-Flat Polygon Chisel

Order Description	Length	Width	Item No.
Narrow-Flat Chisel TE-CP FM 18	7 in	9/16 in	00282300
Narrow-Flat Chisel TE-CP FM 25	10 in	9/16 in	00282301

TE-CP SPM Wide-Flat Polygon Chisel

Order Description	Length	Width	Item No.
Wide-Flat Chisel TE-CP SPM 6/18	7 in	2-3/8 in	00282302
Wide-Flat Chisel TE-CP SPM 6/25	10 in	2-3/8 in	00282303

TE-CP SPMK Wide-Flat Polygon Offset Chisel/Scraper

Order Description	Length	Width	Item No.
Wide-Flat Offset Chisel/Scraper TE-CP-SPMK 4/18	7 in	1-1/2 in	00282307
Wide-Flat Offset Chisel/Scraper TE-CP-SPMK 6/18	7 in	2-3/8 in	00282308
Wide-Flat Offset Chisel/Scraper TE-CP-SPMK 8/18	7 in	3-1/8 in	00282309

TE-C BSPM Flexible Chisel

Order Description	Length	Width	Item No.
Flexible Chisel TE-C BSPM 10/25	10 in	3-7/8 in	00204740
Replacement Scraper/Blade			00205548
Replacement Support Plate			00205549
Replacement Bolt (3 required)			00205649

TE-C FGM Joint Chisel

Order Description	Length	Width	Item No.
Joint Chisel TE-C FGM 25	10 in	1-1/4 in	00204741

TE-C KM Channel Chisel

Order Description	Length	Width	Item No.
Channel Chisel TE-C KM 2/25	10 in	3/4 in	00030221

TE-C-MM Mortar Chisel

Order Description	Length	Width	Item No.
Mortar Chisel TE-C MM 0.8/18	7 in	5/16 in	00204742
Mortar Chisel TE-C MM 1.2/18	7 in	1/2 in	00204743

Active Torque Control

The innovative Hilti **A**ctive **T**orque **C**ontrol (ATC) is an exclusive feature offering unmatched operator protection.

In normal operation, the electro-magnetic clutch connects the rotor axle to the gear. The two sensors constantly monitor the movement of the tool around its own axis and transmit data to the controller. If a drill bit binds in the hole, and the sensors detect the tool body beginning to rotate too quickly, the controller opens the electro-magnetic clutch and disengages the drive system.

ATG

Active Vibration Reduction

Hilti has led the field for over 10 years with a technology that effectively cuts critical vibration by up to two thirds — Hilti **A**ctive **V**ibration **R**eduction (AVR).

Technical features (depending on individual tool)

- Vibration damping mechanisms that reduce the vibration generated by the hammering mechanism, tool bit, etc. by decoupling them from the grips (e. g. by means of springs)
- Vibration in the axial hammering direction is reduced by a vibration absorber
- Counterbalances to reduce vibration

The benefits of Hilti AVR

- Up to 2/3 lower vibration compared to conventional tools
- Longer permissible switched-on times
- Significantly higher daily productivity

AVR

Hilti. Outperform. Outlast.

Hilti, Inc. (U.S.) 1-800-879-8000 **www.us.hilti.com** • en español 1-800-879-5000
Hilti (Canada) Corp. 1-800-363-4458 **www.hilti.ca**

TE 50 Combihammer

Features and Applications

- Light weight, making horizontal and overhead drilling more comfortable
- Strong 1050 W motor delivers impressive power for fast drilling
- Robust components and efficient cooling provide superior durability

Technical Data	TE 50
Rated input	1050 W
Voltage	120 V
Speed 1 no load	550 rpm
Full hammering frequency	0-3180 blows/min
Single impact energy	3.85 ft-lb
Drilling range	optimum: 5/8" - 1" overall: 1/2" - 2"
Dimensions (L x W x H)	18.19 x 4.45 x 9.57 in
Weight	12.57 lb

TE 60 Combihammer

Features and Applications

- Ideal for mechanical applications such as through drilling
- Strong 1200 W motor delivers impressive power for fast drilling
- Optimized drive system for consistent torque
- Robust components and efficient cooling provide superior durability

Technical Data	TE 60
Rated input	1200 W
Voltage	120 V
Speed 1 no load	480 rpm
Full hammering frequency	0-2785 blows/min
Single impact energy	5.2 ft-lb
Drilling range	optimum: 5/8" - 1-1/2" overall: 1/2" - 4"
Dimensions (L x W x H)	19.0 x 3.9 x 9.6 in
Weight	13.9 lb

TE 60-ATC-AVR Combihammer

Features and Applications

- Ideal for mechanical applications such as through drilling
- Strong 1200 W motor delivers impressive power for fast drilling
- Optimized drive system for consistent torque
- Robust components and efficient cooling provide superior durability
- Innovative Active Vibration Reduction (AVR) helps improve worker comfort and productivity
- Active Torque Control (ATC) provides additional operator protection

Technical Data	TE 60-ATC-AVR
Rated input	1200 W
Voltage	120 V
Speed 1 no load	485 rpm
Full hammering frequency	0-2785 blows/min
Single impact energy	5.2 ft-lb
Drilling range	optimum: 5/8" - 1-1/2" overall: 1/2" - 4"
Dimensions (L x W x H)	19.02 x 3.9 x 11.18 in
Weight	16.3 lb

TE 70 Combihammer

Features and Applications

- Top drilling and chiseling performance for greater productivity
- Durable construction for exceptional tool life
- Designed for demanding, general construction applications like serial drilling

Technical Data	TE 70
Rated input	1600 W
Voltage	120 V
Speed 1 no load	360 rpm
Full hammering frequency	0-2760 blows/min
Single impact energy	8.15 ft-lb
Drilling range	optimum: 7/8" - 1-3/4" overall: 1/2" - 6"
Dimensions (L x W x H)	20.6 x 4.8 x 10.8 in
Weight	16.9 lb

TE 70-ATC Combihammer

Features and Applications

- Top drilling and chiseling performance for greater productivity
- Durable construction for exceptional tool life
- Active Torque Control (ATC) provides added operator protection
- Designed for demanding, general construction applications like serial drilling

Technical Data	TE 70-ATC
Rated input	1600 W
Voltage	120 V
Speed 1 no load	360 rpm
Full hammering frequency	0-2760 blows/min
Single impact energy	8.15 ft-lb
Drilling range	optimum: 7/8" - 1-3/4" overall: 1/2" - 6"
Dimensions (L x W x H)	20.6 x 4.8 x 11.6 in
Weight	19.6 lb

TE 80-ATC-AVR Combihammer

Features and Applications

- Best power to weight ratio in its class results in excellent productivity
- Powerful 1700 W motor delivers impressive performance for fast drilling
- Active Torque Control (ATC) provides added operator protection
- Low contact pressure and Active Vibration Reduction (AVR) for better working comfort

Technical Data	TE 80-ATC-AVR
Rated input	1700 W
Voltage	120 V
Speed 1 no load	380 rpm
Full hammering frequency	0-2760 blows/min
Single impact energy	8.5 ft-lb
Drilling range	optimum: 7/8" - 2" overall: 1/2" - 6"
Dimensions (L x W x H)	21.8 x 4.9 x 12.3 in
Weight	22.5 lb

Order Information

Order Description	Package Contents	Item No.
TE 50 Performance Pkg (Fixed)	Includes tool with 13 ft supply cord, TE-YX bits (1) 5/8" x 13" and (1) 3/4 x 13", side handle, Hilti grease, cleaning cloth and operating instructions in an impact-resistant plastic tool box	03468365
TE 50 Performance Pkg (Flex)	Includes tool with 13 ft supply cord, choice of (1) TE-YX bit (up to 1" diameter; up to 23" length) or (1) TE-YP chisel (pointed or flat), side handle, Hilti grease, cleaning cloth and operating instructions in an impact-resistant plastic tool box	03443950
TE 60 Performance Pkg (Fixed)	Includes tool with 13 ft supply cord, (1) TE-YX bit 5/8" x 13" and (1) TE-YP SM 36 pointed chisel, side handle, Hilti grease, cleaning cloth and operating instructions in an impact-resistant plastic tool box	03444113
TE 60 Performance Pkg (Flex)	Includes tool with 13 ft supply cord, choice of (1) TE-YX bit (up to 1-1/2" diameter and up to 23" length) or (1) TE-YP chisel (pointed or flat), side handle, Hilti grease, cleaning cloth and operating instructions in an impact-resistant plastic tool box	03444095
TE 60-ATC-AVR Performance Pkg (Fixed)	Includes tool with ATC (Active Torque Control), AVR (Active Vibration Reduction), 13 ft supply cord, (1) TE-YX bit 5/8" x 13" and (1) TE-YP SM 36 pointed chisel, side handle, Hilti grease, cleaning cloth and operating instructions in an impact-resistant plastic tool box	03444117
TE 60-ATC-AVR Performance Pkg (Flex)	Includes tool with ATC (Active Torque Control), AVR (Active Vibration Reduction), 13 ft supply cord, choice of (1) TE-YX bit (any diameter up to 1-1/2" and up to 23" length) or (1) TE-YP chisel (pointed or flat), side handle, Hilti grease, cleaning cloth and operating instructions in an impact-resistant plastic tool box	03444096
TE 70 Performance Pkg (Fixed)	Includes tool with 13 ft supply cord, (1) TE-YX bit 3/4" x 13" and (1) TE-YP SM 36 pointed chisel, side handle, Hilti grease, cleaning cloth and operating instructions in an impact-resistant plastic tool box	03468366
TE 70 Performance Pkg (Flex)	Includes tool with 13 ft supply cord, choice of (1) TE-YX bit (up to 1-1/2" diameter and up to 23" length) or (1) TE-YP chisel (pointed or flat), side handle, Hilti grease, cleaning cloth and operating instructions in an impact-resistant plastic tool box	03444098
TE 70-ATC Performance Pkg (Fixed)	Includes tool with ATC (Active Torque Control), 13 ft supply cord, (1) TE-YX bit 3/4" x 13" and (1) TE-YP SM 36 pointed chisel, side handle, Hilti grease, cleaning cloth and operating instructions in an impact-resistant plastic tool box	03468367
TE 70-ATC Performance Pkg (Flex)	Includes tool with ATC (Active Torque Control), 13 ft supply cord, choice of (1) TE-YX bit (up to 1-1/2" diameter and up to 23" length) or (1) TE-YP chisel (pointed or flat), side handle, Hilti grease, cleaning cloth and operating instructions in an impact-resistant plastic tool box	03444099
TE 80-ATC-AVR Performance Pkg (Fixed)	Includes tool with 13 ft supply cord, (1) TE-YX bit 3/4" x 13" and (1) TE-YP SM 36 pointed chisel, side handle, Hilti grease, cleaning cloth and operating instructions in an impact-resistant plastic tool box	03468368
TE 80-ATC-AVR Performance Pkg (Flex)	Includes tool with 13 ft supply cord, choice of (1) TE-YX bit (up to 1-1/2" diameter and up to 23" length) or (1) TE-YP chisel (Pointed or Flat), side handle, Hilti grease, cleaning cloth and operating instructions in an impact-resistant plastic tool box	03438963

Hilti Dust Removal Systems (DRS) help keep dust under control

TE 60 and DRS-S

TE 70 and DRS-S

TE 80 and DRS-B

TE 80 and DRS-S

Hilti. Outperform. Outlast.

TE-Y (SDS Max) Accessories

Order Description		TE 50	TE 60/60-ATC	TE 70/0-ATC	TE 80-ATC-AVR	Item No.
Adapter TE-Y to TE-C+		■	■	■	■	00074068
Adapter SDS Max to Spline		■	■	■	■	03008699
Adapter Spline to TEY		■	■	■	■	03008698
Quick-Release Chuck 13 Use with Chuck Spindle TE-Y-BFH (00263359 required)		■	■	■	■	00060208
Key-Type Chuck Assembly Use with Chuck Spindle (00263359)		■	■	■	■	00240704
Chuck Spindle TE-Y-BFH Use with Key-Type and Keyless Chucks (00230704 and 00060208)		■	■	■	■	00263359
Hilti Grease 50 ml		■	■	■	■	00203086
Cleaning Cloth UTP		■	■	■	■	00009354
Hilit Spray 66 ml Spray lubricant used to clean and lubricate tools		■	■	■	■	00308976
TE-Y Extension Assembly Includes Adapter TE-Y-AD (00382390) and Drill Bit Extension TE-FY-E85 (00001954). Extends effective drilling depth to 33 inches (minimum bit diameter - 1-1/4")		■	■	■	■	03424019
Drill Bit Extension Shaft TE-FY-E35 For use with Adapter TE-Y-AD (00382390). Extends effective drilling depth to 13-3/4"		■	■	■	■	00001952
Drill Bit Extension Shaft TE-FY-E60 For use with Adapter TE-Y-AD (00382390). Extends effective drilling depth to 23-5/8"		■	■	■	■	00001953
Drill Bit Extension Shaft TE-FY-E85 For use with Adapter TE-Y-AD (00382390). Extends effective drilling depth to 33"		■	■	■	■	00001954
Adapter TE-Y-AD Use with bit extension shaft (minimum bit diameter - 1-1/4")		■	■	■	■	00382390
Ground Rod Adapter TE-Y-RD 1/2"		■	■	■	■	00220700
Ground Rod Adapter TE-Y-RD 5/8"		■	■	■	■	00220701
Ground Rod Adapter TE-Y-RD 3/4"		■	■	■	■	00220702
Dust Removal System TE-DRS-S Includes small and large extraction heads and hose. Attaches to drill depth gauge and is used with Hilti Vacuum Cleaners. Maximum bit capacity is 3-1/4" diameter and 15-1/2" length		■	■	■	■	00340602
DRS Depth Guage TE TA70 80 For use with TE-DRS-S (00340602) for TE 70 and TE 80 Combihammers				■	■	00410332
TE-DRS-B Dust Removal Dust removal kit for chiseling with 11" to 20" chisels		■	■	■	■	00365944

TE 70-ATC Combihammer with TE-DRS-S Dust Removal System attached

Dust and water collection vacuums — see page 106

TE-YX Hammer Drill Bits (SDS Max)

Optimize your drilling experience

With the introduction of more powerful Hilti combihammers like the TE 70, the Hilti TE-YX (SDS Max) carbide drill bit line has been upgraded to provide maximum performance. The new TE-YX drill bits feature a stronger rebar resistant carbide tip attachment, optimized connection end, and easier to read markings. Together with the new TE 70, this system is designed to outperform and outlast.

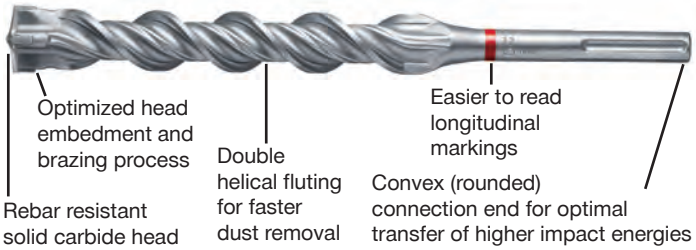
Features and Applications

- Solid metal carbide head: Top performance and reliability, less jamming when hitting rebar
- Heat treated flute for less wear, ductile core and more efficient dust removal for faster drilling
- TE-Y (SDS Max) connection end

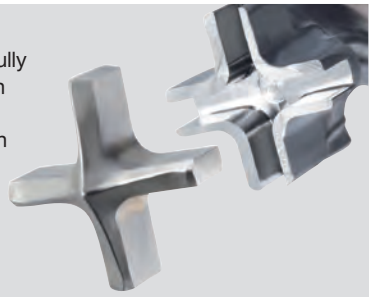
TE-YX Drill Bits — Imperial

Order Description	Working Length	Item No. Single
Hammer Drill Bit TE-YX 1/2" x 14"	7 in	00206509
Hammer Drill Bit TE-YX 1/2" x 22"	16 in	00206510
Hammer Drill Bit TE-YX 9/16" x 14"	7 in	00206511
Hammer Drill Bit TE-YX 9/16" x 22"	16 in	00206512
Hammer Drill Bit TE-YX 5/8" x 14"	7 in	00206513
Hammer Drill Bit TE-YX 5/8" x 22"	16 in	00206514
Hammer Drill Bit TE-YX 11/16" x 21"	16 in	00293471
Hammer Drill Bit TE-YX 3/4" x 13"	7 in	00293472
Hammer Drill Bit TE-YX 3/4" x 21"	16 in	00293473
Hammer Drill Bit TE-YX 3/4" x 36"	30-1/2 in	00293474
Hammer Drill Bit TE-YX 13/16" x 21"	16 in	00293475
Hammer Drill Bit TE-YX 27/32" x 13"	7 in	00293476
Hammer Drill Bit TE-YX 27/32" x 21"	16 in	00293477
Hammer Drill Bit TE-YX 7/8" x 13"	7 in	00293478
Hammer Drill Bit TE-YX 7/8" x 21"	16 in	00293479
Hammer Drill Bit TE-YX 7/8" x 36"	30-1/2 in	00340703
Hammer Drill Bit TE-YX 1" x 13"	7 in	00293232
Hammer Drill Bit TE-YX 1" x 21"	16 in	00293482
Hammer Drill Bit TE-YX 1" x 36"	30-1/2 in	00292918
Hammer Drill Bit TE-YX 1-1/16" x 21"	16 in	00292928
Hammer Drill Bit TE-YX 1-1/8" x 15"	8-3/4 in	00292979
Hammer Drill Bit TE-YX 1-1/8" x 23"	17-5/8 in	00292980
Hammer Drill Bit TE-YX 1-1/8" x 36"	30-1/2 in	00292981
Hammer Drill Bit TE-YX 1-1/4" x 15"	8-3/4 in	00293025
Hammer Drill Bit TE-YX 1-1/4" x 23"	17-5/8 in	00293026
Hammer Drill Bit TE-YX 1-1/4" x 36"	30-1/2 in	00293027
Hammer Drill Bit TE-YX 1-3/8" x 23"	17-5/8 in	00293029
Hammer Drill Bit TE-YX 1-3/8" x 36"	30-1/2 in	00293030
Hammer Drill Bit TE-YX 1-1/2" x 23"	17-5/8 in	00293032
Hammer Drill Bit TE-YX 1-9/16" x 23"	17-5/8 in	00293421
Hammer Drill Bit TE-Y 1-3/4" x 23"	17-5/8 in	00346629
Hammer Drill Bit TE-Y 2" x 23"	17-5/8 in	00346630

TE-YX Features



TE-YX diameters 11/16" to 1-9/16" and larger have a new fully embedded head design for even greater rebar resistance. Also, Hilti's state of the art flute design increases drilling speed while reducing overall weight.



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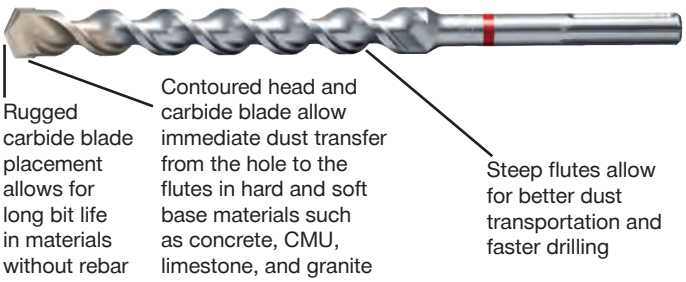
TE-YX Drill Bits — Metric

Order Description (mm/cm)	Working Length	Item No. Single
Hammer Drill Bit TE-YX 12/35	7-7/8 in	00206499
Hammer Drill Bit TE-YX 12/55	15-3/4 in	00206500
Hammer Drill Bit TE-YX 12/67	21-5/8 in	00206501
Hammer Drill Bit TE-YX 14/35	7-7/8 in	00206502
Hammer Drill Bit TE-YX 14/55	15-3/4 in	00206503
Hammer Drill Bit TE-YX 15/35	7-7/8 in	00333758
Hammer Drill Bit TE-YX 15/55	15-3/4 in	00206505
Hammer Drill Bit TE-YX 16/35	7-7/8 in	00206506
Hammer Drill Bit TE-YX 16/55	15-3/4 in	00206507
Hammer Drill Bit TE-YX 18/32	6-1/2 in	00293052
Hammer Drill Bit TE-YX 18/52	14-1/2 in	00293053
Hammer Drill Bit TE-YX 24/32	6-1/2 in	00293182
Hammer Drill Bit TE-YX 24/52	14-1/2 in	00293193
Hammer Drill Bit TE-YX 25/32	6-1/2 in	00293210
Hammer Drill Bit TE-YX 28/32	6-1/2 in	00293233
Hammer Drill Bit TE-YX 28/52	14-1/2 in	00293235
Hammer Drill Bit TE-YX 32/37	9-1/2 in	00293408
Hammer Drill Bit TE-YX 32/57	17-1/4 in	00293409
Hammer Drill Bit TE-YX 37/57	17-1/4 in	00293415
Hammer Drill Bit TE-YX 37/92	30-1/2 in	00293416

TE-Y Features



TE-Y bits are designed to provide excellent speed and longevity when rebar hits are not a concern. Perfect for mechanical and electrical penetrations as well as for serial doweling for road repair/expansion.

- Optimal for drilling in non-reinforced concrete
- Hammer drilling in concrete, reinforced concrete when rebar can be avoided, masonry, and natural stone
- Drilling anchor holes and doweling for structural work
- Penetrations for pipes, gas lines, conduits, and cables

TE-Y Standard Drill Bits

Order Description (mm/cm)	Working Length	Item No. Single
Hammer Drill Bit TE-Y 1/2" x 14"	7-7/8"	00428456
Hammer Drill Bit TE-Y 1/2" x 22"	15-3/4"	00428457
Hammer Drill BitT TE-Y 5/8" x 14"	7-7/8"	00428460
Hammer Drill Bit TE-Y 5/8" x 22"	15-3/4"	00428461
Hammer Drill Bit TE-Y 3/4" x 13"	6-1/2"	00428463
Hammer Drill Bit TE-Y 3/4" x 21"	14-1/2"	00428464
Hammer Drill Bit TE-Y 7/8" x 21"	14-1/2"	00428469
Hammer Drill Bit TE-Y 1" x 13"	6-1/2"	00428470
Hammer Drill Bit TE-Y 1" x 21"	14-1/2"	00428471
Hammer Drill Bit TE-Y 1 1/8" x 21"	14-1/2"	00428473
Hammer Drill Bit TE-Y 1 1/4" x 23"	17-5/8"	00428475
Hammer Drill Bit TE-Y 1 1/2" x 23"	17-5/8"	00428479

TE-Y BK Dry Carbide Core Bits

Order Description (mm)		Additional Product Information	Nominal Drill Bit Diameter (in)	Working Length	Item No.
Percussion Core Bit TE-Y-BK 45/290			1-3/4 in	7-1/2 in	00307053
Percussion Core Bit TE-Y-BK 45/550			1-3/4 in	18 in	00307054
Percussion Core Bit TE-Y-BK 50/290			2 in	7-1/2 in	00307055
Percussion Core Bit TE-Y-BK 50/550	NEW!	For bit maintenance use new Centering Bit Replacement Kit	2 in	18 in	02006304
Percussion Core Bit TE-Y-BK 68/290			2-5/8 in	7-1/2 in	00307059
Percussion Core Bit TE-Y-BK 68/550			2-5/8 in	18 in	00307060
Percussion Core Bit TE-Y-BK 82/290			3-1/4 in	7-1/2 in	00307061
Percussion Core Bit TE-Y-BK 82/550			3-1/4 in	18 in	00307062
Percussion Core Bit TE-Y-BK 90/290			3-9/16 in	7-1/2 in	00307063
Percussion Core Bit TE-Y-BK 90/550			3-9/16 in	18 in	00307064
Percussion Core Bit TE-Y-BK 100/430			4 in	17 in	00307065
Percussion Core Bit TE-Y-BK 125/430			5 in	17 in	00307066
Percussion Core Bit TE-Y-BK 150/430			6 in	17 in	00307067
Pilot Bit BK 11/14		Replacement pilot bit for carbide tipped corebits			00262750
Dowel Pin 5 M6 x 24		Replacement dowel secures centering bit in place			00006135
Ring 37 x 15 NBR		Replacement rubber retaining ring holds dowel pin in place			00262757
Centering Bit Replacement Kit	NEW!	Includes pilot bit, dowel pin and wrench			02006304

TE-Y GB Bell-Shaped Cruciform Bit

Order Description	Additional Product Information	Drill Bit Diameter (in)	Working Length	Item No.
Bell-Shaped Bit TE-Y GB 40/59-1-1/2"		1-1/2 in	17-5/8 in	00220609
Bell-Shaped Bit TE-Y GB 45/59-1-3/4"		1-3/4 in	17-5/8 in	00220611
Bell-Shaped Bit TE-Y GB 55/59-2"		2 in	17-5/8 in	00028903
Bell-Shaped Bit TE-Y GB 66/59-2-1/2"		2-1/2 in	17-5/8 in	00028366
Bell-Shaped Bit TE-Y GB 80/63-3-1/8"		3-1/8 in	17-5/8 in	00028367
Helix 40/59-1-1/2"	Replacement flute for TE-Y carbide tipped cruciform bits			00262019
Helix 45/59-1-3/4"	Replacement flute for TE-Y carbide tipped cruciform bits			00262021
Helix 55/59-2"	Replacement flute for TE-Y carbide tipped cruciform bits			00262023
Helix 66/59-2-1/2"	Replacement flute for TE-Y carbide tipped cruciform bits			00262026
Helix 80/63-3-1/8"	Replacement flute for TE-Y carbide tipped cruciform bits			00262028

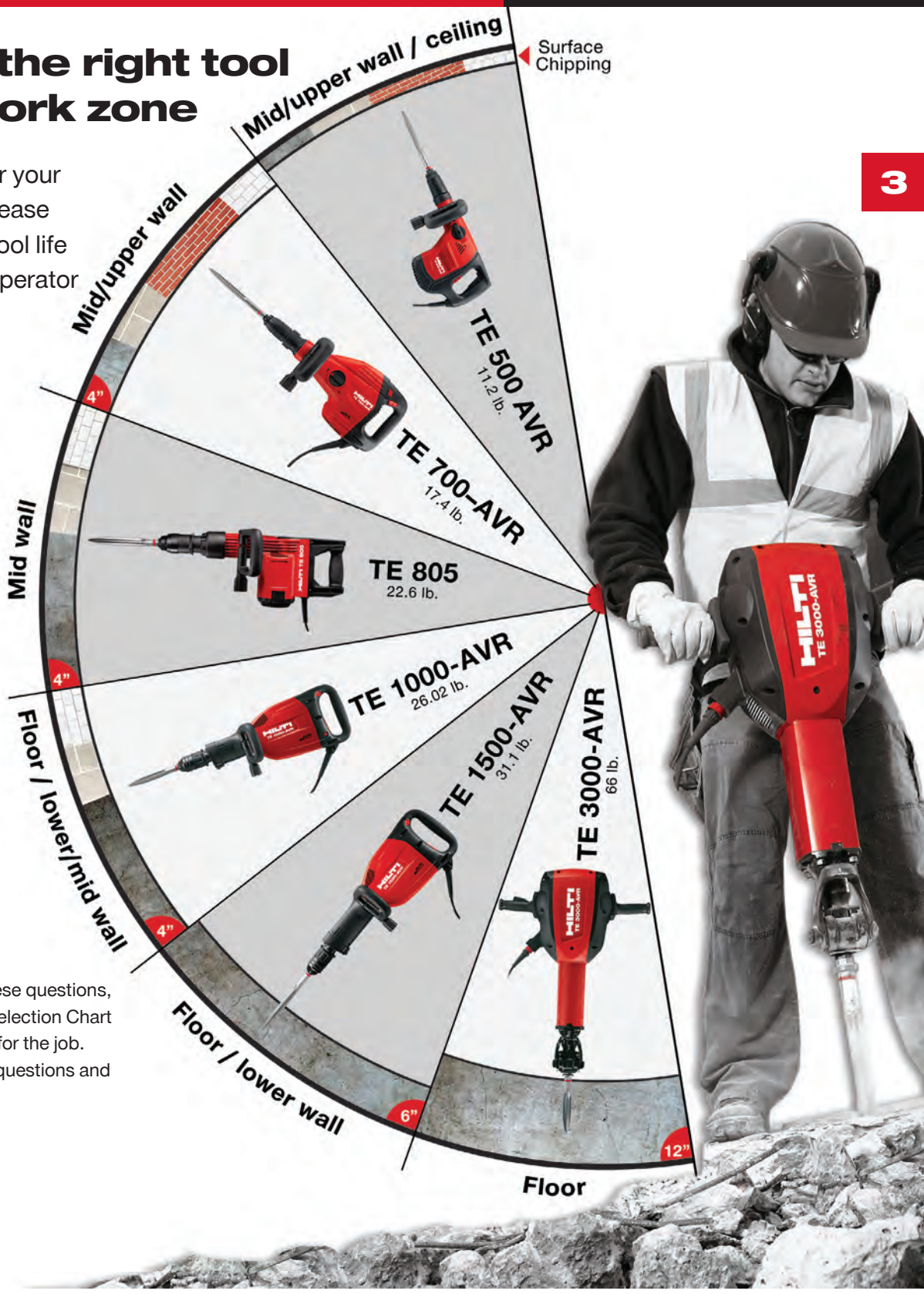
Selecting the right tool for your work zone

Using the right tool for your application helps increase productivity, extend tool life and improve overall operator comfort and safety.

To help select the right tool, it's important to ask yourself the following questions:

1. What zone will I be working in most of the time?
2. What base materials will I be primarily working with?
3. What percentage of time will I be working with each material?
4. What is the material thickness ?
5. Will I mainly be working on surface preparation or breaking?

Once you have answered these questions, please refer to the Breaker Selection Chart to help identify the right tool for the job. Contact Hilti with additional questions and to order your tool today.



3

Hilti. Outperform. Outlast.

TE 500-AVR Demolition Hammer

NEW!

Features and Applications

- Best power-to-weight ratio in its class
- Active Vibration Reduction (AVR) for improved worker comfort and productivity
- Chisel adjusts to 12 positions for easy access in tight spaces
- Lock-on switch for continuous chiseling
- Uses TE-YP chisels
- Supported by Hilti Lifetime Service which includes 2 Year No-Cost Coverage

Technical Data	TE 500-AVR
Rated input	1100 W
Voltage	120 V
Full hammering frequency	0-3180 blows/min
Single impact energy	5.5 ft-lb
Chiseling performance	Removes up to 22 in³/min
Dimensions (L x W x H)	18.5 x 4.3 x 9.6 in
Weight	11 lb

TE 700-AVR Demolition Hammer

NEW!

Features and Applications

- Up to 50% less vibration thanks to Active Vibration Reduction (AVR) system
- Symmetrical design for better handling
- New generation SR-motor means no carbon brushes or rotor windings for longer service cycles
- Uses TE-YP chisels
- Excellent cooling results in low surface temperature and longer tool life
- Low contact pressure for improved starting performance

Technical Data	TE 700-AVR
Rated input	1200 W
Voltage	120 V
Full hammering frequency	0-2760 blows/min
Single impact energy	7.4 ft-lb
Chiseling performance	Removes up to 45.8 in³/min
Dimensions (L x W x H)	22 x 4.9 x 9.8 in
Weight	17.4 lb

Order Information

Order Description	Package Contents	Item No.
TE 500-AVR Performance Pkg (Flex)	Includes tool and choice of (1) TE-YP self-sharpening chisel (any length)	03484550
TE 500-AVR Performance Pkg (Fixed)	Includes tool, (1) TE-YP SM 36 pointed and (1) TE-YP FM 36 flat self-sharpening chisel	03484551
TE 700-AVR Performance Pkg (Flex)	Includes tool and choice of (1) TE-YP self-sharpening chisel (any length)	03484552
TE 700-AVR Performance Pkg (Fixed)	Includes tool, (1) TE-YP SM 36 pointed and (1) TE-YP FM 36 flat self-sharpening chisel	03484793

TE-YP SM Pointed Polygon Chisel

Order Description	Length	Width	Item No.
Pointed Chisel TE-YP SM 28	11 in	-	00282263
Pointed Chisel TE-YP SM 36	14 in	-	00282264
Pointed Chisel TE-YP SM 50	19 in	-	00282265
Pointed Chisel TE-YP SM 70	27 in	-	00282266

TE-YP FM Narrow-Flat Polygon Chisel

Order Description	Length	Width	Item No.
Narrow-Flat Chisel TE-YP FM 28	11 in	1 in	00282267
Narrow-Flat Chisel TE-YP FM 36	14 in	1 in	00282268
Narrow-Flat Chisel TE-YP FM 50	19 in	1 in	00282269
Narrow-Flat Chisel TE-YP FM 70	27 in	1 in	00282270

TE-YP-SPM Wide Flat Polygon Chisel

Order Description	Length	Width	Item No.
Wide-Flat Chisel TE-YP SPM 5/28	11 in	2 in	00282271
Wide-Flat Chisel TE-YP SPM 5/36	14 in	2 in	00282273
Wide-Flat Chisel TE-YP SPM 8/28	11 in	3-1/8 in	00282272
Wide-Flat Chisel TE-YP SPM 12/36	14 in	4-3/4 in	00282274
Wide-Flat Chisel TE-YP SPM 12/50	19 in	4-3/4 in	00282275

TE-YP-SPMK Wide-Flat Chisel/Scraper (offset)

Order Description	Length	Width	Item No.
Wide-Flat Chisel/Scraper (offset) TE-YP-SPMK 12/50	19 in	4-3/4 in	00282276

TE-Y SPI Clay Spade Chisel

Order Description	Length	Width	Item No.
Clay Spade Chisel TE-Y-SPI 50	19 in	4-1/2 in	00382278

TE-Y BSPM Flexible Chisel

Order Description	Length	Width	Item No.
Flexible Chisel TE-Y BSPM 800	20 in	5-7/8 in	00252462
Replacement scraper/blade	-	-	00047893
Replacement inlay (2 required)	-	-	00001854
Replacement clamping plate	-	-	00047894
Replacement nut (4 required)	-	-	00047896
Replacement bolt (4 required)	-	-	00047897

3

TE-Y KM Channel Chisel

Order Description	Length	Width	Item No.
Channel Chisel TE-Y KM 3.6/28	11 in	1-1/2 in	00259562
Channel Chisel TE-Y KMG 3.6/28	11 in	1-1/2 in	00259563

TE-Y HM Hollow Channel Chisel

Order Description	Length	Width	Item No.
Hollow Chisel TE-Y HM 2.8/28	11 in	1-1/8 in	00259560

TE-Y FGM Joint Chisel

Order Description	Length	Width	Item No.
Joint Chisel TE-Y FGM 6.5/28	11 in	1-5/16 in	00001929

TE-Y SKHM Bushing Tool

Order Description	Length	Width	Item No.
Bushing Tool TE-Y SKHM	10 in	1-1/2 in	00062893

TP-STP Tamping Plate

Order Description	Length	Width	Item No.
Tamping Plate TP-STP 150/150	-	6 in x 6 in	00001908
TE-Y SS Shank	11-3/4 in	-	00220688

TE 805 Breaker

Features and Applications

- Powerful 1350 W motor yields high performance and productivity
- Longer intervals between service results in lower service costs
- Continuous on switch eliminates need for constant finger pressure
- Quick and easy chisel changes

Technical Data	TE 805
Rated input	1350 W
Voltage	120 V
Full hammering frequency	0-2000 blows/min
Single impact energy	12.5 ft-lb
Chiseling performance	Removes up to 73 in³/min
Dimensions (L x W x H)	23.6 x 4.3 x 7.1 in
Weight	22.6 lb

TE 1000-AVR Breaker

Features and Applications

- For use in medium demolition, concrete removal, concrete bushing, tamping, digging, through penetrations in concrete and heavy floor tile removal
- Sub-chassis Active Vibration Reduction achieves the lowest vibration in its class
- Power reduction switch offers 30% less impact for precision work
- DRS-B Dust Removal System collects up to 95% of hazardous fine dust
- New brushless SR motor eliminates need to replace carbon brushes — provides longer intervals between service and twice the expected tool life

Technical Data	TE 1000-AVR
Rated input	1600 W
Voltage	120 V
Full hammering frequency	0-1950 blows/min
Single impact energy	16.3 ft-lb
Chiseling performance	up to 323 cu. in./min
Dimensions (L x W x H)	22.56 x 5.43 x 9.06 in
Weight	26.02 lb

TE 1500-AVR Breaker

Features and Applications

- Medium- to heavy-duty demolition of concrete slabs and structures, concrete bushing, tamping earthwork and digging in clay
- Sub-chassis Active Vibration Reduction achieves the lowest vibration in its class
- DRS-B Dust Removal System significantly reduces dust
- New brushless SR motor eliminates need to replace carbon brushes — provides longer intervals between service and twice the expected tool life

Technical Data	TE 1500-AVR
Rated input	1800 W
Voltage	120 V
Full hammering frequency	0-1620 blows/min
Single impact energy	22 ft-lb
Dimensions (L x W x H)	30 x 5 x 9 in
Weight	31.1 lb

Order Information

Order Description	Package Contents	Item No.
TE 805 Performance Pkg (Flex)	Includes tool and choice of (1) TE-SP self-sharpening chisel (any length)	03437765
TE 805 Performance Pkg (Fixed)	Includes tool, (1) TE-SP SM 36 pointed chisel and (1) TE-SP FM 36 flat self-sharpening chisel	03437764
TE 1000-AVR Performance Pkg (Flex)	Includes tool and choice of (1) TE-SP self-sharpening chisel (any length)	03450918
TE 1000-AVR Performance Pkg (Fixed)	Includes tool, (1) TE-SP SM 36 pointed chisel and (1) TE-SP FM 36 flat self-sharpening chisel	03450917
TE 1000-AVR Dust Control Pkg Deluxe	Includes tool, DRS-B, VCD 40 Vacuum, (1) TE-SP SM 36 pointed chisel and (1) TE-SP FM 36 flat self-sharpening chisel	03450919
TE 1500-AVR Performance Pkg (Flex)	Includes tool and choice of (1) TE-SP self-sharpening chisel (any length)	03455944
TE 1500-AVR Performance Pkg (Fixed)	Includes tool, (1) TE-SP SM 36 pointed chisel and (1) TE-SP FM 36 flat self-sharpening chisel	03455943
TE 1500-AVR Dust Control Pkg	Includes tool, DRS-B, (1) TE-SP SM 36 pointed chisel and (1) TE-SP FM 36 flat self-sharpening chisel	03457406
TE 1500-AVR Dust Control Pkg Deluxe	Includes tool, DRS-B, VC 40-U Vacuum, (1) TE-SP SM 36 pointed chisel and (1) TE-SP FM 36 flat self-sharpening chisel	03457407

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TE-SP-SM Pointed Polygon Chisel

Order Description	Length	Item No.
Pointed Chisel TE-SP SM 36	14 in	00406765
Pointed Chisel TE-SP SM 50	19 in	00406766
Pointed Chisel TE-SP SM 70	27 in	00406767

TE-S TT Ballast Chisel

Order Description	Length	Width	Item No.
TE-S TT 60 Ballast Chisel	23-1/2 in	3-1/2 in	00406787

TE-SP-FM Narrow Flat Polygon Chisel

Order Description	Length	Width	Item No. - Single
Narrow-Flat Chisel TE-SP FM 36	14 in	1-1/4 in	00406770
Narrow-Flat Chisel TE-SP FM 50	19 in	1-1/4 in	00406771
Narrow-Flat Chisel TE-SP FM 70	27 in	1-1/4 in	00406772

TE-S-SS Specialty Chisel

Order Description	Length	Width	Item No.
TP-SKHM 40 Bushing Tool Head	1-1/2 in	1-1/2 in	00001829
SKHM 3 Bushing Tool Head	2 in	2 in	00088594
TP-STP 150/150 Tamping Tool Head	6 in	6 in	00001908
TE-S-SS Universal Shank	11-3/4 in	-	00406787

TE-SP-SPM Wide Flat Polygon Chisel

Order Description	Length	Width	Item No.
Wide-Flat Chisel TE-SP SPM 5/36	14 in	2 in	00406773
Wide-Flat Chisel TE-SP SPM 5/50	20 in	2 in	00406774
Wide-Flat Chisel TE-SP SPM 8/36	14 in	3-1/8 in	00406775
Wide-Flat Chisel TE-SP SPM 8/50	19 in	3-1/8 in	00406776
Wide-Flat Chisel TE-SP SPM 12/36	14 in	4-3/4 in	00406777
Wide-Flat Chisel TE-SP SPM 12/50	19 in	4-3/4 in	00406778

TE-S BSPM Flexible Chisel

Order Description	Length	Width	Item No.
Flexible Chisel TE-S BSPM	20 in	6 in	00406784
Replacement scraper/blade			00047893
Replacement inlay (2 required)			00001854
Replacement clamping plate			00047894
Replacement nut (4 required)			00047896
Replacement bolt (4 required)			00047897

TE-SP-SPM Wide Flat Polygon Chisel (offset)

Order Description	Length	Width	Item No.
Wide-Flat Chisel TE-SP SPMK 12/50 (offset)	19 in	4-3/4 in	00406783

TE-S SPI 50 Clay Spade Chisel

Order Description	Length	Width	Item No.
TE-S SPI 50 Clay Spade Chisel	19 in	4-1/2 in	00406785

Power Driver Ground Rod Driving System

②

①

Order Description		Item No.
Rod Setting Tool TE-S Power Driver	①	02006534
Rod Adapter TE-S-RD 5/8"	②	00312056
Rod Adapter TE-S-RD 3/4"	②	00312057
Rod Adapter TE-S-RD 7/8"	②	00312058

TE 3000-AVR Breaker

Features and Applications

- Over 50 foot-pounds of impact energy results in outstanding demolition performance and productivity
- Active Vibration Reduction achieves the lowest vibration in its class
- TE-H Polygon Self-Sharpening Chisels provide strong breaking power and stick less in concrete
- New brushless SR motor eliminates need to replace carbon brushes and provides longer intervals between service
- Power Conditioning System helps protect the motor against power surges and drains

Technical Data	TE 3000-AVR
Power input	1800 W
Voltage	120 V
Hammering frequency	0 - 840 blows/min
Single impact energy	50 ft-lb
Dimensions (L x W x H)	32 x 24 x 8 in
Weight	66 lb

Order Information

Order Description	Package Contents	Item No.
TE 3000-AVR Performance Package with Cart (flex)	Includes tool, tool cart and choice of (4) TE-H chisel (any length)	03485356
TE 3000-AVR Performance Package with Cart	Includes tool, tool cart, (2) TE-H28 SM 40 pointed chisel and (2) TE-H28 FM 40 flat self-sharpening chisel	03478183
TE 3000-AVR Performance Package	Includes tool, (2) TE-H28 SM 40 pointed chisel and (2) TE-H28 FM 40 flat self-sharpening chisel	03478184
TE 3000-AVR Cart	Tool cart for easy transport of the TE 3000-AVR	00401293

TE-H Hex Connection Polygon Chisels

The new TE-H (1-1/8") Hex Connection Polygon Chisels brings the innovative Hilti self-sharpening technology to the heavy breaker industry. These chisels fit electric and air powered demolition hammers and stand up breakers with a 1-1/8" Hex connection end, set new standards in chisel performance, durability, and working comfort.

TE-H Pointed Polygon Chisels

Order Description	Length	Width	Item No.
Pointed Chisel TE-H28P SM 40	16 in	-	00417824
Pointed Chisel TE-H28P SM 50	20 in	-	00417825

TE-H Narrow-Flat Polygon Chisels

Order Description	Length	Width	Item No.
Narrow-Flat Chisel TE-H28P FM 40	16 in	1-3/8 in	00417826
Narrow-Flat Chisel TE-H28P FM 50	20 in	1-3/8 in	00417827

TE-H Clay Spade Polygon Chisels

Order Description	Length	Width	Item No.
Clay Spade Chisel TE-H28 SPI 50*	19 in	4-7/8 in	00417831

* Minimum order quantity = 2

TE-H Wide-Flat Polygon Chisels

Order Description	Length	Width	Item No.
Wide-Flat Chisel TE-H28P SPM 8/40	16 in	3 in	00417828
Wide-Flat Chisel TE-H28P SPM 8/50	20 in	3 in	00417829
Wide-Flat Chisel TE-H28P SPMA 45*	16 in	4-7/8 in	00417830

TE-H Tamping Tools and Universal Shank

Order Description	Length	Width	Item No.
Universal Shank TE-H28 SS 40	16 in	-	00047779
Tamping Plate TE-H28 STP 200x200	-	8 in x 8 in	00047782

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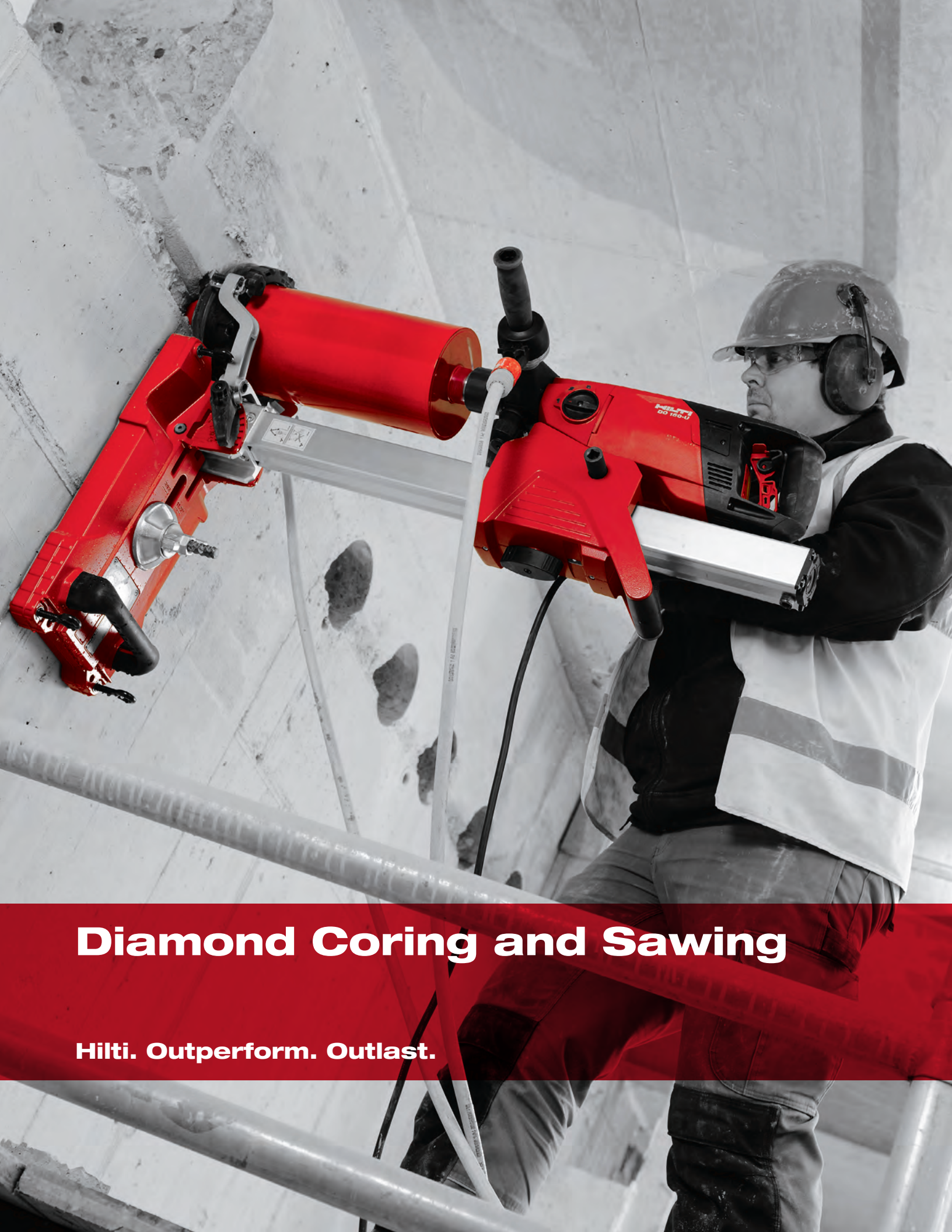
Accessories

Description		Item No.
Outdoor Heavy Duty Extension Cord — 12/3 x 50' Heavy Duty: 3 conductor, UL listed, lighted ends, SJTW		00375965
Outdoor Heavy Duty Extension Cord — 12/3 x 100' Heavy Duty: 3 conductor, UL listed, lighted ends, SJTW		00375966
Outdoor Heavy Duty Extension Cord — 14/3 x 100' Heavy Duty: 3 conductor, UL listed, lighted ends, SJTW		00375968
Outdoor/Indoor Heavy Duty Extension Cords — 12/3 x 50' x Three-way Three-Way: 3 grounded outlets, 3 conductor, lighted ends, UL listed		00375970
Outdoor/Indoor Heavy Duty Extension Cords — 12/3 x 100' x Three-way Three-Way: 3 grounded outlets, 3 conductor, lighted ends, UL listed		00375971
Super Premium Ground Fault Interrupter (GFI) 12/3 x 3' GFI x Three-way (15 A) lighted end		00375972
Super Premium 15/20 Amp Heavy Duty Adapter		00375973



Diamond Coring and Sawing

Hilti. Outperform. Outlast.

Diamond Drilling System

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DD EC-1
Diamond Drilling System

Features and Applications

- Low vibration and less noise for smooth and quiet drilling
- Simple, one-person operation
- Water collection using VC 40-U wet vacuum
- Vertical and horizontal bubble levels for coring accuracy

Technical Data	DD EC-1
Power	1350 W
Amperage	11.7 A
Drilling range	3/8 in to 1-5/16 in
Speed	8400 rpm
Belt driven	TopSpin kinematics
Distance to corner	1-7/8 in
Maximum water pressure	88 psi
Supply cord	Integrated GFCI 10 mA Removable (16 ft long)
Dimensions (L x W x H)	16.7 x 4.3 x 7.7 in
Weight	12.5 lb

Order Information

Description	Package Contents	Item No.
DD EC-1 Diamond Drill	Includes tool, water collector, 16-foot supply cord with built-in GFCI, depth gauge, Hilti spray, cleaning cloth and operating instructions in an impact-resistant plastic tool box	00336737

DD-C T2 Diamond Core Bits

For use in concrete with hard aggregate and reinforcement. Also good for granite, marble, natural stone, tile pavers, firebrick, etc. **Wet drilling only.**

Order Description	Item No.- Single	Item No. - 5 pack
Diamond Core Bit DD-C 3/8"-6" T2	00336886	00339531
Diamond Core Bit DD-C 12mm-6" T2	00336889	00339534
Diamond Core Bit DD-C 5/8"-12" T2	00336898	00339541
Diamond Core Bit DD-C 11/16"-12" T2	00336900	00339543
Diamond Core Bit DD-C 3/4"-12" T2	00336902	00339545
Diamond Core Bit DD-C 20mm-12" T2	00336906	-
Diamond Core Bit DD-C 7/8"-12" T2	00336909	00339552
Diamond Core Bit DD-C 1"-12" T2	00336913	00339555
Diamond Core Bit DD-C 1 1/8"-12" T2	00336915	00339557
Diamond Core Bit DD-C 32mm-12" T2	00336917	00339552
Diamond Core Bit DD-C 1 1/4"-12" T2	00336918	00339560
Diamond Core Bit DD-C 1 5/16"-12" T2	00336919	00339561

24" length EC-1 Core Bis available in some sizes
Tested for anchor applications
Matched tolerance DD-C Core Bits for optimum load-bearing behavior with the Hilti HVU, HSL, KB, HLC, HCA and HDI anchors. Contact Hilti for details.

DD-C T4 Diamond Core Bits

For use in concrete with medium to low aggregate and reinforcement. Example base materials: reinforced concrete, green concrete, concrete block, asphalt, etc. **Wet drilling only.**

Order Description	Item No. - Single	Item No. - 5 pack
Diamond Core Bit DD-C 1/2"-6" T4	00336854	00339563
Diamond Core Bit DD-C 9/16"-6" T4	00336857	00339565
Diamond Core Bit DD-C 5/8"-12" T4	00336862	00339568
Diamond Core Bit DD-C 11/16"-12"T4	00336864	00339570
Diamond Core Bit DD-C 3/4"-12" T4	00336866	00339572
Diamond Core Bit DD-C 13/16"-12"T4	00336868	00339576
Diamond Core Bit DD-C 27/32"-12"T4	00336872	00339578
Diamond Core Bit DD-C 7/8"-12" T4	00336873	00339579
Diamond Core Bit DD-C 24mm-12" T4	00336875	00339580
Diamond Core Bit DD-C 1"-12" T4	00336877	00339582
Diamond Core Bit DD-C 28mm-12" T4	00336878	00339583
Diamond Core Bit DD-C 1 1/8"-12" T4	00336879	00339584
Diamond Core Bit DD-C 30mm-12" T4	00336880	-
Diamond Core Bit DD-C 1 1/4"-12" T4	00336882	00339587
Diamond Core Bit DD-C 1 5/16"-12" T4	00336883	00339588

Accessories DD EC-1

Order Description		Item No.
Drilling Stand DD-CR1 Used with other system components: DD EC-1, water collector and holder, vacuum pump and application-matched wet diamond core bit program		00376281
DD VP-U Vacuum Pump For vacuum anchoring of all core rigs		00408998
DC-SE SP2 Sharpening Plate 1" x 1" x 11"		00314303
DC-SE SP3 Sharpening Plate 12" x 12" x 2"		00051343
Gardena Connector		00004297
Water Supply Unit DWP 10 2-1/2 gallon capacity — includes 10' hose with fittings		00365595
Water Tank Connector		00051279
Overhead Soft Seal		00278692
Overhead Cover (Shroud)		00372800

Dust and water collection vacuums — see page 106

DD 110-W
Hand Held Coring System

Features and Applications

- Wet coring in reinforced concrete and dry coring in concrete block
- High motor performance and rugged two-speed gearing for optimum drilling speed
- Compact design and light weight for easy handling
- Drills clean, accurate holes
- Slip clutch, overload protection and safety switch for maximum protection
- BI chuck for tool-free bit changes

DRY WET C SA US

HILTI LIFETIME™ SERVICE 2 Years NO COSTS | Lifetime REPAIR COST LIMIT | Lifetime MANUFACTURERS WARRANTY

Technical Data	DD 110-W
Voltage	120 V
Power (watts)	1600 W
Amperage	15.4 A
Drilling range (max)	1/2 in to 6-1/2 in
Drilling range (opt)	1 in to 4-7/16 in
Connection end	BI quick connect
Speed 1 no load	650 rpm
Speed 2 no load	1380 rpm
Dimensions (L x W x H)	18 x 4.7 x 6.7 in
Weight	11.7 lb

DD 120 Compact
Diamond Coring System

Features and Applications

- Compact and lightweight for easy handling
- Small footprint and short column for easy access
- Everything in one kit box, "just add water"
- Optional water collection system available

WET C SA US

HILTI LIFETIME™ SERVICE 2 Years NO COSTS | Lifetime REPAIR COST LIMIT | Lifetime MANUFACTURERS WARRANTY

Technical Data	DD 120
Voltage	120 V
Power (watts)	1600 W
Amperage	14.1 A
Bit range (maximum)	1/2" to 6" dia.
Bit range (optimum)	1-1/4" to 4-1/2"
Drilling depth (max.)	12-3/4" (300 mm)
Connection end	BI quick connect
Dimensions (L x W x H)	8 x 6 x 28 in
Weight	22 lb

DD 150-U
Diamond Coring System

NEW!

Features and Applications

- High flexibility and versatility for wet and dry coring in various base materials. Hand held or rig mounted
- High motor performance and sturdy three-speed gearing for optimum drilling speed
- 360° adjustable side handle with integrated dust and water management functions
- Power control LED helps users achieve the optimum rate of drilling progress and maximum bit life under all conditions
- High-grade drill stand

DRY WET C SA US

HILTI LIFETIME™ SERVICE 2 Years NO COSTS | Lifetime REPAIR COST LIMIT | Lifetime MANUFACTURERS WARRANTY

Technical Data	DD 150-U
Voltage	120 V
Power (watts)	2200 W
Amperage	18.3 A
Drilling range	1/2 in to 6-1/4 in
Drilling range (opt)	1 in to 4-1/2 in
Speed 1 no load	780 rpm
Speed 2 no load	1520 rpm
Speed 3 no load	2850 rpm
Connection end	BI quick connect
Dimensions (motor only)	20.3 x 5.1 x 6.3 in
Weight (motor only)	18.0 lb
Weight (motor and stand)	47.3 lb

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DD 200 Pro
Diamond Coring Tool

Features and Applications

- Easy to handle, understand and operate
- Powerful motor
- Air-cooled 2600 Watt drive unit with three-speed gearing and convenient controls
- BL core bit connection

WET C SA US

HILTI LIFETIME™ SERVICE 2 Years NO COSTS | Lifetime REPAIR COST LIMIT | Lifetime MANUFACTURERS WARRANTY

Technical Data	DD 200 Pro
Voltage	120 V
Power (watts)	2600 W
Amperage	20 A
Speed 1 no load	211 rpm
Speed 2 no load	435 rpm
Speed 3 no load	890 rpm
Drilling range (max)	1 in to 16 in dia.
Drilling range (opt)	2 in to 12 in dia.
Connection end	BL
Dimensions (motor only)	25 x 7 x 7 in
Weight (motor only)	30.6 lb
Weight (stand only)	44.3 lb

Order Information

Description	Package Contents	Item No.
DD 110-W Dry Coring Tool Package	Includes tool, BI chuck and water swivel, dust removal adaptor and 5/8-11 (BT) adaptor for slotted dry bits in an impact-resistant plastic tool box	03476075
DD 110-W Wet Coring Tool with Bits	Includes tool, BI chuck and one (1) each of the following HWC bits: 2, 3 and 4, in an impact-resistant tool box	03476076
DD 110-W Diamond Coring Tool TPS	Includes tool, BI chuck and water swivel in a impact-resistant plastic tool box	00249118
DD 120 Compact Core Rig Complete	Includes tool, drill stand, feed handle and BI chuck, kit box	00274935
DD 150-U Starter Rig Kit (BI)	Includes tool with an impact-resistant plastic tool box, drill stand and power adapter	03483076
DD 150-U Dry Rig Kit (BI)	Includes tool with an impact-resistant plastic tool box, drill stand, power adaptor, jack screw, VC40-U vacuum and 10 vacuum bags	03483079
DD 150-U Coring Motor (BI)	Includes tool only with BS chuck and 15/20 twist-lock adapter and an impact-resistant plastic tool box	03483121
DD 200 Pro Diamond Core Rig Anchor Base	Includes tool, BL chuck, HD30 stand, feed handle, 1/2" wrench, wheel set and anchor base	03423949
DD 200 Pro Diamond Core Rig Vacuum Base	Includes tool, BL chuck, HD30 stand, feed handle, 1/2" wrench, wheel set, anchor base and vacuum base	03423950
DD 200 Pro Diamond Core Rig Vacuum Base Deluxe Kit	Includes tool, BL chuck, HD30 stand, feed handle, 1/2" wrench, wheel set, anchor base, vacuum base, DD-VP-U vacuum pump and heavy duty 15/20 Amp adapter	03469080

Accessories — DD 110-W (Wet)

Order Description		Item No.
Dust Removal System (DRS) Adaptor		00315826
Universal Vacuum Cleaner VC 40-U 120V For wet/dry applications		00218369

Accessories — DD 120

Order Description		Item No.
Vacuum Pad DD-LR-VBP DD120		00232991
Kwik-LOK Starter Set 1/2" For use with DD 120: Includes Kwik-Lok nut, Kwik-Lok spindle 1/2", 5/8" carbide bit, (50) 1/2" HDI and setting tool		03449028
DD-LR-FH-2A Handwheel Assembly (2 spoke) Includes handwheel assembly with retaining pin		00332023
DWP 10 Water Supply Unit 2-1/2 gallon capacity — includes 10' hose with fittings		00365595
DWP 10 Water Supply Unit Replacement Hose with Fittings		00047067
Gardena Connector		00004297
Water Collector Kit DD 120 Includes Holder, collector, drain hose, vacuum adapter, choice of 10 seals		03449029
Vacuum Pump DD VP-U For vacuum anchoring all core rigs		00408998
Universal Vacuum Cleaner VC 40-U 120V For wet/dry applications		00218369

Accessories — DD 150-U

Order Description		Item No.
DD-ST 150-U CTL Drilling Stand		00435666
DD-HW-3A Handwheel		02007687
DD-ST-150/160-JS Jack Screw		02007686
DD-HW-2A Handwheel		02007688
DD-ST-150/160-RR Column Swivel		02006373
DD-WCS-HH-150 Water Collector Holder Complete (Hand held) Includes holder, collector and seals		02008130
DD-WCH-RM-150 Water Collector Complete (Rig mounted) Includes holder, collector, 10” drain hose. (Use up to 6” diameter water seals)		
Vacuum Pump DD VP-U For vacuum anchoring all core rigs		00408998
DWP 10 Water Supply Unit 2-1/2 gallon capacity — includes 10’ hose with fittings		00365595
Universal Vacuum Cleaner VC 40-U 120V For wet/dry applications		00218369
Gardena Connector		00004297
Kwik-LOK Starter Set 1/2” For use with DD 150: Includes Kwik-Lok nut, Kwik-Lok spindle 1/2”, 5/8” carbide bit, (50) 1/2” HDI and setting tool		03449393

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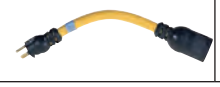
Accessories — DD 200 Pro

Order Description		Item No.
Drill Stand DD-HD 30		00305534
Feed Handle (3 spoke)		00009843
Vacuum Baseplate DD-HD30-VBP Optional vacuum base for use with the DD 200		00305538
Vacuum Baseplate DD-HD30-VBPP Optional DD 200 Pro pipe saddle vacuum base for use when attaching the DD 200 Pro rig to concrete pipe Requires pipe with a minimum 12" diameter		00305944
Vacuum Pump DD VP-U For vacuum anchoring all core rigs		00408998
Flow Indicator DD-WFI		00305939
Jack Screw DD-HD30-SL		00305940
Cross Column Adapter DD-HD30-CC Allows for drilling on a wall with the rig floor mounted		00305540
Guide Rail Extension DD-HD30-XT Extends column 39" for use with longer drill bits and deep drilling		00305537
Set of Wheels DD-HD30-W		00305541
Spacer DD-HD30-SP Spacer extends motor an additional 3" away from the drill stand which allows for an additional 6" of drilling diameter. Use (1) spacer for up to 18" diameter core bits		00305539

Water Supply Unit DWP 10 2-1/2 gallon capacity — includes 10' hose with fittings		00365595
DWP 10 Water Supply Unit Replacement Hose with Fittings		00047067
Depth Gauge DD-HD30-ES Can be used as a column end stop or depth guage		00305535
Kwik-LOK Starter Set 5/8" Includes Kwik-Lok nut, Kwik-Lok spindle 5/8", 27/32" carbide bit, (25) 5/8" HDI and setting tool		03001940
Gardena Connector		00004297
DD-HD-30 WCH Water Collector Holder For use with DD 200 Pro		00305536
Drain Hose (8 ft)		00047298
DD-WC-S Water Collector For use with DD 200 Pro — bit diameters up to 3-1/2" • Requires the use of the DD-HD-30 WCH Water Collector Holder and 8" Drain Hose • Seals ordered individually by bit size		00232204
DD-WC-SM Water Collector For use with DD 200 Pro — bit diameters up to 6-1/4" • Requires the use of the DD-HD-30 WCH Water Collector Holder and 8" Drain Hose • Seals ordered individually by bit size		00232221
DD-WC-ML Water Collector For use with DD 200 Pro — bit diameters uo to 10" • Requires the use of the DD-HD-30 WCH Water Collector Holder and 8" Drain Hose • Seals ordered individually by bit size		00232243
Heavy-Duty Adapter - 15/20 Amp Adapts 20 amp twist lock plug from tool to standard 3-prong grounded outlet		00375973

4

Dry Diamond Core Bits

Features and Applications

- **HDMU:** For hand-held dry coring in brick and concrete block, medium to soft aggregate concrete with wire mesh. For dust control, use Hilti vacuum systems (VC 20 or VC 40)
- **HDMB:** For dry coring in abrasive brick and concrete block only (no dust control)
- **Starting Aids:** Help to stabilize bit at desired drilling location for smooth, clean starts

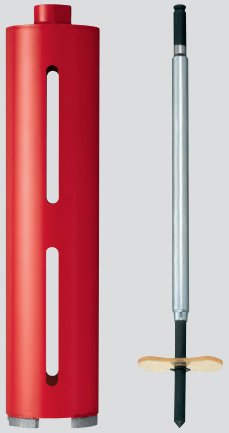
M27 Connection

DD-BI Connection

DD-BT (5/8" - 11) Connection

DRY

HDMU core bit (M27 connection shown; BI connection available)
Must use HDMU bits with SA HDMU Starting Aid



HDMB core bit (5/8"-11 connection)
Must use HDMB bits with SA HDMB Starting Aid

Order Description	Working length	HDMU (M27 Connection) For use with: DD 110-D tools	HDMU (BI Connection) For use with: DD 130; DD 100 tools	Starting Aids (SA HDMU) For use with all HDMU Bits	HDMB* (5/8"-11 Connection) For use with: DD 110-D; DD 130; DD 100 tools	Starting Aid (SA HDMB) For use with all HDMB Bits
1" x 12"	**12 in**	-	-	-	00244989	-
1-1/4" x 12"	**12 in**		-	-	00244993	03445373
37 mm (1-7/16") x 12"	**12 in**	00039485	00039485 & 00376196	-	-	-
1-5/8" x 12"	**12 in**	00039486	00039486 & 00376196	-	00244999	03445374
1-3/4" x 12"	**12 in**	-	-	-	00245000	03445375
2" x 12"	**12 in**	00039487	00047705	00211489	00245021	03445376
2-1/2" x 12"	**12 in**	00039488	00047706	00211490	00245023	03445377
3" x 12"	**12 in**	00232930	00387802	00232966	00245024	03445378
3-1/2" x 12"	**12 in**	00232931	00387803	00232967	00245026	03445379
4" x 12"	**12 in**	00039490	00047708	00211495	00245046	03445380
5" x 11"	**11 in**	00039493	00047711	00211498	00245047	03445381
6" x 7"	**7 in**	00039494	00047712	00211499	00245048	03445382

* All HDMB bits have a 10" working length

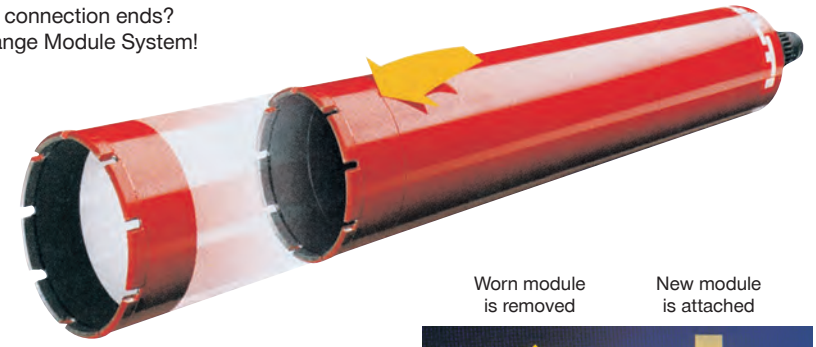
Retippable DD-B Modular Diamond Core Bits

Why throw away perfectly good diamond core bit barrels and connection ends?
Retip your DD-B diamond core bits using the unique Hilti Change Module System!

Easy retipping of worn core bits

Worn core bits can be reconditioned quickly and easily.

- Barrel, base and connection end can be reused
- Core bit effective coring depth does not change
- Available for the following bits:
  HWC (1 1/2" and 2" only),
  P2, P130, P4 diamond core bits (1-3/8" to 7")
- **Ask your Hilti representative for details**



Worn module is removed

New module is attached

Hilti. Outperform. Outlast.

DD-BI Wet Diamond Core Bit

Features and Applications

- Laser welded segments and keyless bit removal with BI+ connection
- **HWC:** Super premium bit for hand-held wet coring in hard aggregate and heavy rebar
- **P2:** Super premium bit for wet coring in reinforced concrete with very hard aggregate. Also good for granite, marble, tile, glazed brick and other hard base materials with low abrasiveness
- **P130:** Super premium bit for rig-mounted wet coring of large diameter holes in hard aggregate and heavy rebar
- **P4:** Super premium bit for wet coring in reinforced concrete with medium to hard aggregate. Also good for clay brick, CMU and limestone
- **PU:** Short bits for the DD 120 have a “Universal” specification that has the speed of the P2 and life of the P4
- **U4:** Premium bit for wet coring in light to medium-duty coring

DD-BI Connection

WET

4

Description	Working length	HWC For use with DD 100; DD 130 tools (Hand-held only)	P2 For use with DD 100; DD 130 tools	P130 For use with DD 130 tool	P4 For use with DD 100; DD 130 tools	U4 For use with DD 100; DD 130 tools	PU 12" length For use with DD 120	P2 Change Modules For retipping of P2 bits	P130 Change Modules For retipping of P130 bits	P4 Change Modules For retipping of P4 bits
DD-BI 5/16" (8mm) x 8"	**8 in**	00405821	-	-	-	-	-	-	-	-
DD-BI 3/8" (10mm) x 8"	**8 in**	00405822	-	-	-	-	-	-	-	-
DD-BI 12mm x 12-3/4"	**12-3/4 in**	-	-	-	00370295	-	-	-	-	-
DD-BI 1/2" x 12-3/4"	**12-3/4 in**	00405824	-	-	00370296	-	-	-	-	-
DD-BI 9/16" x 12-3/4"	**12-3/4 in**	00405826	-	-	00370298	-	-	-	-	-
DD-BI 5/8" x 12-3/4"	**12-3/4 in**	00405827	-	-	00370299	-	-	-	-	-
DD-BI 11/16" x 12-3/4"	**12-3/4 in**	00405828	-	-	00370300	-	-	-	-	-
DD-BI 3/4" x 12-3/4"	**12-3/4 in**	00405829	-	-	00370301	-	-	-	-	-
DD-BI 20mm x 12-3/4"	**12-3/4 in**	-	-	-	00370302	-	-	-	-	-
DD-BI 27/32" x 12-3/4"	**12-3/4 in**	00405831	-	-	00370303	-	-	-	-	-
DD-BI 7/8" x 12-3/4"	**12-3/4 in**	00405832	-	-	00370304	-	-	-	-	-
DD-BI 24mm x 12-3/4"	**12-3/4 in**	00405833	-	-	-	-	-	-	-	-
DD-BI 1" x 12-3/4"	**12-3/4 in**	00405835	00370245	-	00370307	-	-	-	-	-
DD-BI 28mm x 12-3/4"	**12-3/4 in**	00405836	-	-	00370308	-	-	-	-	-
DD-BI 1-1/8" x 12-3/4"	**12-3/4 in**	00405837	00370247	-	00370309	-	-	-	-	-
DD-BI 30mm x 12-3/4"	**12-3/4 in**	-	-	-	00370310	-	-	-	-	-
DD-BI 32mm x 12-3/4"	**12-3/4 in**	00405839	-	-	00370311	-	-	-	-	-
DD-BI 1-1/4" x 12-3/4"	**12-3/4 in**	00405840	00370250	-	00370312	-	-	-	-	-
DD-BI 1-3/8" (35mm) x 17"	**17 in**	00405841*	-	-	00370313	-	00211465	00369953	-	00369977
DD-BI 1-7/16" (37mm) x 17"	**17 in**	-	00370252	-	-	-	-	-	-	-
DD-BI 1-1/2" x 17"	**17 in**	00405842*	00370253	-	00370315	-	00211467	00369955	-	00369979
DD-BI 1-5/8" x 17"	**17 in**	-	-	-	00370316	-	00211468	00369956	-	00369980
DD-BI 1-3/4" x 17"	**17 in**	00405843*	00370255	-	00370317	-	00211469	00369957	-	00369981
DD-BI 2" x 17"	**17 in**	00405844*	00370931	-	00370998	03001737	03449032	00369958	-	00369982
DD-BI 2-1/4" x 17"	**17 in**	00405845*	00370932	-	00370999	-	-	00369959	-	00369983
DD-BI 2-1/2" x 17"	**17 in**	00405847*	00370934	-	00371001	03001739	03449143	00369961	-	00369985
DD-BI 2-3/4" x 17"	**17 in**	00405848*	00370935	-	-	-	03449144	00369962	-	-
DD-BI 3" x 17"	**17 in**	00405849*	00370936	-	00371003	03001741	03449145	00369963	-	00369987
DD-BI 3-1/4" x 17"	**17 in**	-	00370937	-	00371004	-	-	00369964	-	00369988
DD-BI 3-1/2" x 17"	**17 in**	00405852*	00370939	-	00371006	03001743	-	00369966	-	00369990
DD-BI 4" x 17"	**17 in**	00405853*	00370940	00372936	00371008	03001744	03449146	00369967	00371528	00369991
DD-BI 4-1/4" x 17"	**17 in**	00405854*	00370941	00372937	00371009	-	03449147	00369968	00371529	00369992
DD-BI 4-1/2" x 17"	**17 in**	-	-	-	-	-	-	-	-	-
DD-BI 4- 3/4" x 17"	**17 in**	00405855*	00370942	00372938	-	-	03449148	00369969	00371530	-
DD-BI 5" x 17"	**17 in**	00405856*	00370943	00372939	00371011	03001748	03449149	00369970	00371531	00369994
DD-BI 5-1/2" x 12"	**17 in**	00405857*	-	-	-	-	03449150	-	-	-
DD-BI 6" x 17"	**17 in**	00405858*	-	00372941	-	03001750	03449151	00369971	00371532	00369995
DD-BI 6-1/4" x 17"	**17 in**	00405859*	-	-	-	-	-	-	-	

*This HWC bit has a 14" working length.

Hilti. Outperform. Outlast.

DD-BL Wet Diamond Core Bit

Features and Applications

- Keyless core bit removal due to Hilti BL connection end
- Laser welded segments
- **P2:** Super premium core bit for wet coring in reinforced concrete with very hard aggregate. Also good for granite, marble, tile, glazed brick and other hard base materials with low abrasiveness
- **H2S:** Similar to P2 matrix, but with life equal to the P4 matrix. Best suited for high horsepower motors (DD 200 or larger)
- **P4:** Super premium core bit for wet coring in reinforced concrete with medium to hard aggregate. Also good for clay brick, concrete block and limestone
- **H4S:** Similar to P4 matrix, but with longer life. Best suited for high horsepower motors (DD 200 or larger)
- **H6S:** Replaces the coastal matrix, and is best suited for hard flint type aggregate. Typical locations are South Texas, Louisiana, Mississippi and Washington DC areas
- **U4:** Premium core bit for wet coring in light to medium duty coring applications

DD-BL Connection

WET

Description	Working length	P2/ H2S For use with DD 200	P4/H4S For use with DD 200	H6S For use with DD 200	U4 For use with DD 200	P2 Change Modules For retipping of P2 core bits	P4 Change Modules For retipping of P4 core bits
DD-BL 1" x 13"	**13 in**	00429919	00430105	-	-	-	-
DD-BL 28 mm x 13"	**13 in**	00429920	-	-	-	-	-
DD-BL 1-1/8" x 13"	**13 in**	00429921	00430107	-	-	-	-
DD-BL 30 mm x 13"	**13 in**	00429922	-	-	-	-	-
DD-BL 32 mm x 13"	**13 in**	00429923	-	-	-	-	-
DD-BL 1-1/4" x 13"	**13 in**	00429924	00430110	-	-	-	-
DD-BL 1-3/8" (35 mm) x 17"	**17 in**	00429891	-	-	-	00369953	00369977
DD-BL 1-1/2" x 17"	**17 in**	00429893	00430079	-	-	00369955	00369979
DD-BL 1-5/8" x 17"	**17 in**	00429894	-	-	-	00369956	00369980
DD-BL 1-3/4" x 17"	**17 in**	00429895	-	-	-	00369957	00369981
DD-BL 2" x 17"	**17 in**	00282588	00282625	-	03001788	00369958	00369982
DD-BL 2-1/4" x 17"	**17 in**	00282589	00282626	-	-	00369959	00369983
DD-BL 2-1/2" x 17"	**17 in**	00282591	00282628	-	03001790	00369961	00369985
DD-BL 2-3/4" x 17"	**17 in**	00282592	-	-	-	00369962	-
DD-BL 3" x 17"	**17 in**	00282593	00282630	-	03001792	00369963	00369987
DD-BL 3-1/4" x 17"	**17 in**	00282594	00282631	-	-	00369964	00369988
DD-BL 3-1/2" x 17"	**17 in**	00282596	00282633	-	03001794	00369966	00369990
DD-BL 4" x 17"	**17 in**	00282597	00282635	-	03001795	00369967	00369991
DD-BL 4-1/4" x 17"	**17 in**	00282598	00282637	-	-	00369968	00369992
DD-BL 4- 3/4" x 17"	**17 in**	00282599	00282638	-	-	00369969	-
DD-BL 5" x 17"	**17 in**	00282600	00282639	-	03001799	00369970	00369994
DD-BL 5-1/2" x 17"	**17 in**	00282601	-	-	-	00372768	
DD-BL 6" x 17"	**17 in**	00282602	00282641	-	03001801	00369971	00369995
DD-BL 6-1/4" x 17"	**17 in**	00282603	00282642	-	-	00369972	00369996
DD-BL 7" x 17"	**17 in**	00282604	00282643	-	-	00369973	00369997
DD-BL 8" x 17"	**17 in**	00282606	00282645	-	03001804	-	-
DD-BL 9" x 18"	**18 in**	03448118	-	03448135	-	-	-
DD-BL 10" x 18"	**18 in**	03448119	-	03448136	-	-	-
DD-BL 12" x 18"	**18 in**	03448120	-	03448137	-	-	-
DD-BL 14" x 18"	**18 in**	03448121	-	03448138	-	-	-
DD-BL 16" x 18"	**18 in**	03448122	-	03448139	-	-	-
DD-BL 18" x 18"	**18 in**	03448133	-	03448140	-	-	-
DD-BL 20" x 18"	**18 in**	03448134	-	03448141	-	-	-

DD-BT/BS Wet Diamond Core Bit

Features and Applications

- **PMRS**:** Unique premium bit especially designed for coring where embedded/pre-stressed cable, wire mesh or heavy, small diameter rebar are present. Special webbing between segments restricts such metal obstacles from lodging between segments and damaging the bit
- **P2:** Super premium core bit for wet coring in reinforced concrete with very hard aggregate. Also good for granite, marble, tile, glazed brick and other hard base materials with low abrasiveness
- **H2S:** Similar to P2 matrix, but with life equal to the P4 matrix. Best suited for high horsepower motors (DD 200 or larger)
- **P4:** Super premium core bit for wet coring in reinforced concrete with medium to hard aggregate. Also good for clay brick, concrete block and limestone
- **H6S:** Replaces the P4 matrix, and is best suited for hard flint type aggregate. Typical locations are South Texas, Louisiana, Mississippi and Washington DC areas
- **U4/SM:** Premium core bit for wet coring in light to medium duty coring applications

DD-BT (5/8" - 11) Connection

DD-BS (1-1/4" - 7) Connection

4

Description	Working length	PMRS*	P2	H2S	P4	H6S	U4/SM	P2 Change Modules	P4 Change Modules
		For use with coring motors with threaded connections (DD-BT = 5/8" - 11, DD-BS = 1-1/4" - 7)						For retipping of P2 core bits	For retipping of P4 core bits
DD-BT 1/2" x 13"	**13 in**	-	-	-	00370360	-	03024080	-	-
DD-BT 5/8" x 13"	**13 in**	-	-	-	00370362	-	03024081	-	-
DD-BT 11/16" x 13"	**13 in**	-	-	-	00370363	-	-	-	-
DD-BT 3/4" x 13"	**13 in**	-	-	-	00370364	-	03024082	-	-
DD-BT 27/32" x 13"	**13 in**	-	-	-	00370365	-	-	-	-
DD-BT 7/8" x 13"	**13 in**	-	-	-	-	-	03024083	-	-
DD-BT 1" x 13"	**13 in**	-	00370288	-	00370367	-	00046681	-	-
DD-BT 1-1/8" x 13"	**13 in**	-	00370289	-	00370368	-	-	-	-
DD-BT 1-1/4" x 13"	**13 in**	-	00370290	-	00370369	-	00046682	-	-
DD-BT 1-3/8" x 17"	**17 in**	-	-	-	-	-	03024084	00369953	00369977
DD-BT 1-1/2" x 17"	**17 in**	-	00370292	-	00370371	-	00046684	00369955	00369979
DD-BT 1-5/8" x 17"	**17 in**	-	-	-	00370372	-	-	00369956	00369980
DD-BS 1-3/4" x 17"	**17 in**	03024098	00370294	-	00370373	-	-	00369957	00369981
DD-BS 2" x 17"	**17 in**	00062577	00370975	-	00371125	-	03001771	00369958	00369982
DD-BS 2-1/4" x 17"	**17 in**	-	00370976	-	00371126	-	-	00369959	00369983
DD-BS 2-1/2" x 17"	**17 in**	00062578	00370978	-	00371128	-	03001773	00369961	00369985
DD-BS 2-3/4" x 17"	**17 in**	-	00370979	-	-	-	-	00369962	-
DD-BS 3" x 17"	**17 in**	00062579	00370980	-	00371130	-	03001775	00369963	00369987
DD-BS 3-1/4" x 17"	**17 in**	-	00370981	-	00371131	-	03024085	00369964	00369988
DD-BS 3-1/2" x 17"	**17 in**	00062580	00370983	-	00371133	-	03001777	00369966	00369990
DD-BS 4" x 17"	**17 in**	00062581	00370984	-	00371134	-	03001778	00369967	00369991
DD-BS 4-1/4" x 17"	**17 in**	-	00370985	-	00371135	-	03024087	00369968	00369992
DD-BS 4-1/2" x 17"	**17 in**	00062582	-	-	-	-	03024088	-	-
DD-BS 4- 3/4" x 17"	**17 in**	-	00370986	-	-	-	-	00369969	-
DD-BS 5" x 17"	**17 in**	00062583	00370987	-	00371137	-	03001782	00369970	00369994
DD-BS 5-1/2" x 17"	**17 in**	-	-	-	-	-	03024089	00372768	
DD-BS 6" x 17"	**17 in**	00062585	00370988	-	00371138	-	03001784	00369971	00369995
DD-BS 6-1/4" x 17"	**17 in**	-	00370989	-	00371139	-	-	00369972	00369996
DD-BS 7" x 17"	**17 in**	03024078	00370990	-	00371140	-	03024091	00369973	00369997
DD-BS 8" x 17"	**17 in**	03024079	00370992	-	00371142	-	03001787	-	-
DD-BS 9" x 18"	**18 in**	-	-	03448118	-	03448135	-	-	-
DD-BS 10" x 18"	**18 in**	-	-	03448119	-	03448136	-	-	-
DD-BS 12" x 18"	**18 in**	-	-	03448120	-	03448137	-	-	-
DD-BS 14" x 18"	**18 in**	-	-	03448121	-	03448138	-	-	-
DD-BS 16" x 18"	**18 in**	-	-	03448122	-	03448139	-	-	-
DD-BS 18" x 18"	**18 in**	-	-	03448133	-	03448140	-	-	-
DD-BS 20" x 18"	**18 in**	-	-	03448134	-	03448141	-	-	-

* All BT/BS and PMRS diamond core bits have a barrel/working length of 14 inches
** Indicates SM matrix. All SM diamond core bits have a barrel/working length of 14 inches

Granite and Marble Diamond Core Bits*

Features and Applications

- **DD-BT:** 5/8" - 11 threaded connection end
- Perfect for countertops and tile
- Use wet or dry

DD-BT
(5/8" - 11)
Connection

Order Description	Item No.
DD-BT 1" x 2-5/8" G/M	03448146*
DD-BT 1-1/8" x 2-5/8" G/M	03448245*
DD-BT 1-1/4" x 2-5/8" G/M	03448247*
DD-BT 1-3/8" x 2-5/8" G/M	03448248*
DD-BT 1-1/2" x 2-5/8" G/M	03448249*
DD-BT 1-3/4" x 2-5/8" G/M	03448250*
DD-BT 2" x 2-5/8" G/M	03448251*
Adapter to use with Jacob Chuck	00258080*

* Special order only. Additional sizes available. Minimum order quantity = 5 bits (mix and match any sizes). Call for availability and shipping details. Items not returnable.

Plate Cutter Diamond Core Bits*

Features and Applications

- **BT Connection:** 5/8" - 11 threaded connection end
- **BS Connection:** 1-1/4" - 7 threaded connection end
- Use wet or dry (Wet coring will increased bit life)
- Perfect for drilling steel plate or concrete that is heavily reinforced with steel

DD-BT
(5/8" - 11)
Connection

DD-BS
(1-1/4" - 7)
Connection

Order Description	Item No.
Plate Cutter 1/2" x 11" BT Connection	03448455*
Plate Cutter 5/8" x 11" BT Connection	03010391*
Plate Cutter 3/4" x 11" BT Connection	03421283*
Plate Cutter 7/8" x 11" BT Connection	03010392*
Plate Cutter 1" x 11" BT Connection	03412194*
Plate Cutter 1-1/8" x 11" BT Connection	03448458*
Plate Cutter 1-1/4" x 11" BT Connection	03448459*
Plate Cutter 1-3/8" x 11" BT Connection	03448460*
Plate Cutter 1-1/2" x 11" BT Connection	03408272*
Plate Cutter 1-5/8" x 11" BT Connection	03010394*
Plate Cutter 1-3/4" x 11" BS Connection	03037784*
Plate Cutter 1-7/8" x 11" BS Connection	03448217*
Plate Cutter 2" x 11" BS Connection	03010395*
Plate Cutter 2-1/4" x 11" BS Connection	03448219*
Plate Cutter 2-1/2" x 11" BS Connection	03412341*
Plate Cutter 2-3/4" x 11" BS Connection	03414428*
Plate Cutter 3" x 11" BS Connection	03423906*
Plate Cutter 3-1/4" x 11" BS Connection	03448220*
Plate Cutter 3-1/2" x 11" BS Connection	03412190*
Plate Cutter 4" x 11" BS Connection	03010396*
Plate Cutter 4-1/4" x 11" BS Connection	03448222*
Plate Cutter 4-1/2" x 11" BS Connection	03412189*
Plate Cutter 5" x 11" BS Connection	03423907*
Plate Cutter 5-1/2" x 11" BS Connection	03448503*
Plate Cutter 6" x 11" BS Connection	03448504*
Plate Cutter 7" x 11" BS Connection	03448505*
Plate Cutter 8" x 11" BS Connection	03448506*
Plate Cutter 9" x 11" BS Connection	03448507*
Plate Cutter 10" x 11" BS Connection	03448508
Plate Cutter 11" x 11" BS Connection	03448509
Plate Cutter 12" x 11" BS Connection	03448510

* Special order only. Additional sizes available. Call for availability and shipping details. Items not returnable.

Adaptors, Extensions and Accessories

Description		DD 130-BI	DD 200/ DD 130-BL	DD 250/DD 160	5/8"-11 Competitor motor	1-1/4"-7 Competitor motor	Item No.
BS to BI Adapter Converts 1-1/4"-7 threaded chuck to Hilti BI bit connection						■	00373422
BI to BT Adapter Converts Hilti BI chuck to 5/8"-11 threaded bit connection		■					00373420
BI to BS Adapter Converts Hilti BI chuck to 1-1/4"-7 threaded bit connection		■					00373419
BU to BL Adapter Converts Hilti BU chuck to Hilti BL bit connection				■			00305909
BU to BS Adapter Converts Hilti BU chuck to 1-1/4"-7 threaded bit connection				■			00004427
BS to BU Adapter Converts 1-1/4"-7 threaded chuck to Hilti BU bit connection						■	00009869
BL to BU Adapter Converts Hilti BL chuck to Hilti BU bit connection			■				00282989
BL to BS Adaptor Converts Hilti BL chuck to 1-1/4"-7 threaded bit connection			■				00305910
DD-BI Core Bit Extension Increases coring depth of BI bits by 12" Minimum 2-1/4" core bit diameter		■					00220929
DD-BL Core Bit Extension Increases coring depth of BL bits by 12" Minimum 2-1/4" core bit diameter			■				00305903
BU Extension Assembly 12" Increases coring depth of BU bits by 12" Minimum 2-1/2" core bit diameter				■			00000074
5/8"-11 X 7" Extension Shaft Increases coring depth of 5/8-11 core bits by 7" Minimum 1-3/8" core bit diameter					■		02010717
1-1/4"-7 X 12" Extension Shaft Increases coring depth of1 1/4"-7 core bits by 12" Minimum 1-5/8" core bit diameter						■	00092050
Bit Rings (6 Pack) Use between bit end and motor for easier bit removal. For DD-BS bits 1-1/4 in. thread only						■	00009802
DC-SE SP3 Sharpening Plate 12" x 12" x 2"		■	■	■	■	■	00051343
DC-SE SP2 Sharpening Plate 1" x 1" x 11"		■	■	■	■	■	00314303

4

Breath easy.
Keep dust under control with Hilti.

Controlling dust on the jobsite means
- Increased comfort and more protection for workers
- A more precise and efficient working procedure
- Reduced clean-up time contributing to a better bottom line

Efficient dust removal helps
- Increase tool life
- Control costs by helping to reduce downtime
- Limit repairs and increase time between service

A high-performance, easy-to-use dust removal system allows
- Efficient and productive use resulting in fewer labor hours
- Faster ramp-up time for new users
- More accurate handling by workers

Keep dust under control for increased working comfort, safety and productivity!

A wide range of solutions.

Hilti offers comprehensive solutions to minimize dust on your jobsite. Whether grinding, slitting, cutting or breaking, Hilti Dust Removal Systems help keep dust under control.

When we say systems, we mean systems.

Four components — one winner. Hilti Dust Removal Systems make countless jobs virtually dustless. All system components, including power tools, drill bits, discs, blades and other accessories, are perfectly matched to maximize the amount of dust removed and collected by the vacuum.

DRS Dust Removal Systems

1. The consumables

2. The power tool

3. The accessories

4. Hilti vacuums

VC 20-U Vacuum Cleaner

Features and Applications

- Removal of concrete dust, concrete slurry, wood chips, mineral materials dust and debris
- General purpose cleaning around the jobsite
- Air boost filter technology automatically cleans filter every 15 seconds for constant high suction performance
- New filter design creates full use of the container capacity
- Rugged design with large wheels for easy on-site transport

Technical Data	VC 20-U
Rated input	1200 W
Container capacity	5.5 Gal
Frequency	50-60 Hz
Supply cord	25 ft
Suction performance	129 cubic ft/min
Dimensions (L x W x H)	17 x 15 x 24 in
Weight	29.7 lb

VC 40-U Vacuum Cleaner

Features and Applications

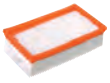
- Hilti air boost filter technology for consistently high suction performance
- Compact design for easy handling
- Full use of tank capacity due to placement of filter and hose connection in the upper part of the machine
- Robust housing to withstand harsh jobsite conditions
- New tank concept for easy and virtually dust-free dust removal

Technical Data	VC 40-U
Rated input	1200 W
Container capacity	9.5 Gal
Frequency	50-60 Hz
Supply cord length	25 ft
Suction performance	129 cubic ft/min
Dimensions (L x W x H)	20 x 15 x 24 in
Weight	33 lb

Order Information

Description	Package Contents	Item No.
VC 20-U Vacuum Cleaner	Includes vacuum, 1 filter, (1) hose complete (36mm hose, 15' long, hose adaptor) and 1 dust bag	00222428
VC 20-U Vacuum Pack with HEPA Filter	Includes vacuum, HEPA main filter, 20 fleece bags and (1) hose complete (36mm hose, 15' long, hose adaptor)	03449779
VC 20-U Vacuum Pack with Accessories	Includes vacuum, 10 plastic bags, (1) hose complete (36mm hose, 15' long, hose adaptor), accessory set and accessory box	03439179
VC 40-U Vacuum Cleaner	Includes vacuum, 1 filter, 1 hose complete (36 mm diameter, 15 ft long), 1 dust bag and hose adaptor	00218369
VC 40-U Vacuum Pack with HEPA Filter	Includes vacuum, HEPA main filter, (20) fleece bags and (1) hose complete (36mm hose, 15' long, hose adaptor)	03439176
VC 40-U Vacuum Pack with Accessories	Includes vacuum, 10 plastic bags, rear handle, (1) hose complete (36mm hose, 15' long, hose adaptor), accessory set and accessory box	03439177

Accessories

Description		VC 20-U	VC 40-U	Qty	Item No.
Plastic Bag VC 20-U		■		10	00203854
Plastic Bag VC 40-U			■	10	00203852
Fleece Bags VC 20-U Required for HEPA use		■		5	00203859
Fleece Bags VC 40-U Required for HEPA use			■	5	00203857
Paper Dry Main Filter Replacement main filter for primarily dry use		■	■	1	00203862
Polyester Wet Main Filter Replacement main filter for primarily wet use		■	■	1	00203863
VC 20/40 HEPA Filter Dry paper HEPA filter		■	■	1	00203879
Vacuum Hose 36 mm x 16' Antistatic Replacement hose for VC 20-U and VC 40-U		■	■	1	00203867
Vacuum Hose Adapter Fits VC 20-U and VC 40-U for use with various tools		■	■	1	00203878
Vacuum Accessory Set Includes: (2) extensions, (1) elbow, (1) floor nozzle, and (1) crevice tool		■	■	1	00203868
Rear Handle with DPC 20 Holder Rear handle for VC 40-U. Holds DPC 20 power conditioner for DG 150 and/or tool set.			■	1	00203871

4

DCH 300
Electric Diamond Cutter

Features and Applications

- Cuts can be made up to twice the depth of conventional angle grinders
- Counter blade rotation helps guide dust away from the operator's body
- Exact cutting depth adjustment with depth gauge (optional)
- Dust control operation when a Hilti VCU vacuum is connected — dust is removed at its source

Technical Data	DCH 300
Disc diameter (in)	12 in
Max. cutting depth	4-3/4 in
Rated input	2600 W
Amperage	23 A
Arbor	1"
Dimensions (L x W x H)	27.75 x 9.4 x 9.25 in
Weight	20.7 lb

DCH 230
Electric Diamond Cutter

Features and Applications

- Cuts can be made up to twice the depth of conventional angle grinders
- The tool tends to guide dust away from the operator's body
- Exact cutting depth adjustment with depth gauge (optional)
- Dust control operation when a Hilti VCU vacuum is connected — dust is removed at its source
- Optional slitting attachment available for making cuts up to 2-3/8" wide

Technical Data	DCH 230
Disc diameter (in)	9 in
Max. cutting depth	3-3/8 in
Rated input	2600 W
Amperage	23 A
Arbor	7/8"
Dimensions (L x W x H)	26.4 x 9.4 x 8.3 in
Weight	18.9 lb

Order Information

Description	Package Contents	Item No.
DCH 300 Diamond Cutter	Includes tool and Twist Lock adaptor in a cardboard box	03444489
DCH 300 Equidist Pack	Includes tool, depth guage, (2) Equidist blades and power cord adapter in an impact-resistant plastic tool box	03482163
DCH 300 Diamond Cutter UP Starter Package	Includes tool, (2) blades and power adapter in an impact-resistant plastic tool box	03482164
DCH 300 Diamond Cutter UP Volume Package	Includes tool, choice of (10) blades and power adapter in an impact-resistant plastic tool box	03482165
DCH 300 Diamond Cutter Metal Package	Includes tool, abrasive flange set and choice of (4) blades in an impact-resistant plastic tool box	03439303
DCH 300 Diamond Cutter DRS Package	Includes tool, depth guage, VC 40-U vacuum, (10) plastic bags, (4) blades and power adapter in an impact-resistant plastic tool box	03482166
DCH 230 Diamond Cutter	Includes tool and Twist Lock adaptor in a cardboard box	03444488
DCH 230 Diamond Cutter UP Starter Package	Includes tool, (2) blades, depth guage and power adapter in an impact-resistant plastic tool box	03482167

4

Accessories

Description		DCH 300	DCH 230	Item No.
DCH 300 Depth Gauge Sets cutting depths from 50 mm to 120 mm (approximately 2" to 4-3/4")		■		00212131
DCH 230 Depth Gauge Sets cutting depths from 15 mm to 85 mm (approximately 5/8" to 3-3/8")			■	00212187
DCH 300 ABR Supporting Flange For Abrasive Blades Includes inner flange, outer flange and clamping nut		■		00212259
Angled Connector For easier vacuum attachment		■	■	00212190
DCH 230/300 Impact-Resistant Plastic Tool Box		■	■	00047986
15/20 Amp Twist Lock Adapter Adapts 15/20 AMP twist lock to standard 3 prong grounded plug		■	■	00375973
DCH 230/180-SL Slitting Adapter Use with multiple 7” blades to cut up to 2-3/8” width and depth			■	00212253

DC-D Diamond Cutting Discs

Features and Applications

- SP-S Super Premium with Equidist technology for very fast cutting and exceptional life. Use with: concrete, reinforced concrete, concrete block, clay brick, natural stone and other masonry materials
- UP-S Premium Quality with a good balance of speed and life. Use in concrete, concrete block and other masonry materials

Get a **5 pack** for the price of 4 singles!

Description	Item No. Single	Item No. 5-pack
DC-D SP-S 9" x 7/8" Segmented For concrete, reinforced concrete, concrete block, clay brick, natural stone and other masonry materials	02025198	-
DC-D UP-T 9" x 7/8" Turbo For concrete, concrete block and other masonry materials	02025182	00407299
DC-D UP-S 9" x 7/8" Segmented For Concrete	02025188	00407310
DC-D SP-S 12" x 1" Segmented For Hard Concrete	02025199	-
DC-D UP-S 12" x 1" Segmented For masonry and concrete block	02025189	02025173

DSH Hand Held Gas Saws

Features and Applications

- High performance engine helps maximize cutting performance
- Cyclone precleaning air filter system helps protect the motor from dust
- Easy to operate with our combined choke and gas control feature
- Reversable wheels — one part does the job of wheels and fixed feet
- The Hilti three-point vibration absorbing system (AVR) reduces the amout of vibration transfer to improve operator comfort and productivity
- Available in 12", 14" and 16" versions
- Wet kit and maintenance parts included with each saw

Technical Data	DSH700-12"	DSH700-14"	DSH900-14"	DSH900-16"
Motor displacement	70CC / 4.19 in^3	70CC / 4.19 in^3	90CC / 5.31 in^3	90CC / 5.31 in^3
Power	4.7 hp (3.5 kw)	4.7 hp (3.5 kw)	5.6 hp (4.2 kw)	5.6 hp (4.2 kw)
Blade diameter	12 in	14 in	14 in	16 in
Arbor size	1 in / 20mm	1 in / 20mm	1 in / 20mm	1 in / 20mm
Net weight	23.1 lbs.	23.5 lbs.	24.2 lbs.	24.9 lbs.
Fuel tank size/capacity	30.4 fl oz / .24 gal	30.4 fl oz / .24 gal	30.4 fl oz / .24 gal	30.4 fl oz / .24 gal

Order Information

DSH700-12" Hand Held Gas Saw (70cc)

Description	Package Contents	Item No.
DS DSH700-12"	Includes: DSH700-12" saw, blade guard, wet kit, reversible wheels, reversible flanges, maintenance set, tool set	00385635
DSH700-12" Starter Pack	Includes: DSH700-12" saw, 1L 2-stroke oil, maintenance kit, 2 GP P blades	03482169
DSH700-12" Volume Pack	Includes: DSH700-12" saw, 1L 2-stroke oil, maintenance kit, 10 GP CP blades	03482170
DSH700-12" Equidist Pack	Includes: DSH700-12" saw, 1L 2-stroke oil, maintenance kit, 1 GP SP blades	03482168
DSH700-12" Decking Pack	Includes: DSH700-12" saw, 1L 2-stroke oil, maintenance kit, 30 abrasive deck blades	03475389

DSH700-14" Hand Held Gas Saw (70cc)

DS DSH700-14"	Includes: DSH700-14" saw, blade guard, wet kit, reversible wheels, reversible flanges, maintenance set, tool set	00385636
DSH700-14" Starter Pack	Includes: DSH700-14" saw, 1L 2-stroke oil, maintenance kit, 2 GP P blades	03482172
DSH700-14" Volume Pack	Includes: DSH700-14" saw, 1L 2-stoke oil, maintenance kit, 10 GP P blades	03482173
DSH700-14" Equidist Pack	Includes: DSH700-14" saw, 1L 2-stroke oil, maintenance kit, 1 GP SP blades	03482171
DSH700-14" Decking Pack	Includes: DSH700-14" saw, 1L 2-stroke oil, maintenance kit, 30 abrasive deck blades	03475390

DSH900-14" Hand Held Gas Saw (90cc)

DS DSH900-14"	Includes: DSH900-14" saw, blade guard, wet kit, reversible wheels, reversible flanges, maintenance set, tool set	00385637
DSH900-14" Starter Pack	Includes: DSH900-14" saw, 1L 2-stroke oil, maintenance kit, 2 GP CP blades	03482175
DSH900-14" Volume Pack	Includes: DSH900-14" saw, 1L 2-stoke oil, maintenance kit, 10 GP P blades	03482176
DSH900-14" Equidist Pack	Includes: DSH900-14" saw, 1L 2-stroke oil, maintenance kit, 1 GP SP blades	03482174
DSH900-14" Decking Pack	Includes: DSH900-14" saw, 1L 2-stroke oil, maintenance kit, 30 abrasive deck blades	03475391

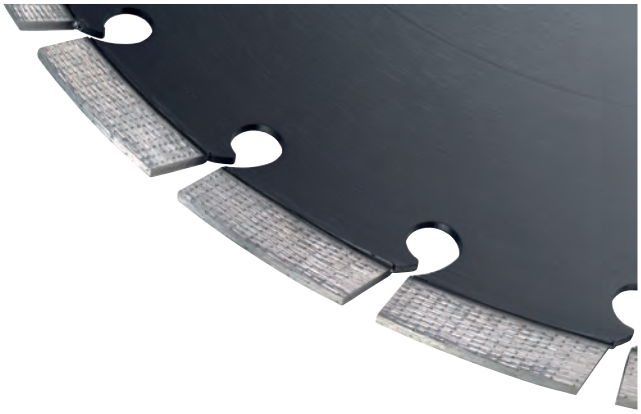
DSH900-16" Hand Held Gas Saw (90cc)

DS DSH900-16"	Includes: DSH900-16" saw, blade guard, wet kit, reversible wheels, reversible flanges, maintenance set, tool set	00385638
DSH900-16" Starter Pack	Includes: DSH900-16" saw, 1L 2-stroke oil, maintenance kit, 2 GP premium blades	03482178
DSH900-16" Volume Pack	Includes: DSH900-16" saw, 1L 2-stoke oil, maintenance kit, 5 GP P blades	03482170
DSH900-16" Equidist Pack	Includes: DSH900-16" saw, 1L 2-stroke oil, maintenance kit, 1 GP Equidist blade	03482177

Accessories

Order Description		DSH700-12"	DSH70014"	DSH900-14"	DSH900-16"	Item No.
DSH Maintenance Set Includes (2) main air filters, fuel filter, spark plug, (5) starter ropes		■	■	■	■	00365602
Main Air Filter						00261990
Starter Rope Set (5)		■	■	■	■	00412230
Starter Assembly DSH700		■	■			00359425
Starter Assembly DSH900				■	■	00359427
Belt DSH 12"/14"		■	■	■		00359476
Belt DSH 16"					■	00359477
Tool Set Complete Includes multi-tool wrench and blade locking pin		■	■	■	■	00359648
DSH Jobsite Container 31.5" x 11.5" x 16.5" (L x W x H)		■	■	■	■	00365828
DSH Floor Cart		■	■	■	■	00431364
DSH Two Stroke Oil — 1 Liter (1.057 Qt)		■	■	■	■	00365826
Gardena Garden Hose Connector		■	■	■	■	00004297

Equidist — Super Premium Dry Diamond Blades



Features and Applications

- Arranged diamond technology to provide exceptional performance
- Cutting speeds up to 50% faster and up to 50% longer life than comparative super premium blades
- Greater universal application range

DC-D SP-S Equidist (Segmented)

Designed for very fast cutting and long life in medium to hard base materials — concrete, reinforced concrete, cured concrete, concrete block, clay brick and natural stone

Description	Diameter	Thickness	Arbor	Qty	SP
DC-D SP-S 12 in x .125 in x 1 in / 20 mm DC-D Equidist	12"	.125"	1"	1	02025200
DC-D SP-S 14 in x .125 in x 1 in / 20 mm DC-D Equidist	14"	.125"	1"	1	02025201
DC-D SP-S 16 in x .125 in x 1 in / 20 mm DC-D Equidist	16"	.125"	1"	1	02025202

DC-D UP-S Premium — Good balance of speed and life (Segmented)

NEW!

Designed for a good balance of speed and life in medium base materials — concrete, masonry, asphalt and green concrete

Description	Diameter	Thickness	Arbor	UP Qty 1	UP Qty 5**
DC-D UP-S 12 in x .125 in x 1 in / 20 mm DC-D Segmented	12"	.125"	1"	02025190	02025174
DC-D UP-S 14 in x .125 in x 1 in / 20 mm DC-D Segmented	14"	.125"	1"	02025191	02025175
DC-D UP-S 16 in x .125 in x 1 in / 20 mm DC-D Segmented	16"	.125"	1"	02025192	02025176

DS-SP for Ductile/Metal (Segmented)

Designed for quick cutting of metal decking, decking bundles, drywall channel and track, ductile pipe, concrete lined pipe and other metal shapes.Fast cutting with good life

Description	Diameter	Thickness	Arbor	Qty	Item No.
DS-SP 12 in x .110 in x 1 in / 20 mm Duct	12"	.110"	1"	1	00227853
DS-SP 14 in x .110 in x 1 in / 20 mm Duct	14"	.110"	1"	1	00227854

DS-CP Asphalt/Green Concrete (Segmented)

Designed for quick cutting in asphalt, green concrete, concrete block

Description	Diameter	Thickness	Arbor	Qty	Item No.
DS-CP 12 in x .125 in x 1 in / 20 mm Asphalt	12"	.125"	1"	1	00236604
DS-CP 14 in x .125 in x 1 in / 20 mm Asphalt	14"	.125"	1"	1	00236605

Diamond Rescue Blades*

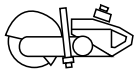
Very fast cutting of a large variety of base materials ranging from metal to concrete.

Description	Diameter	Thickness	Arbor	Qty	Item No.
Diamond Rescue Blades 12 in x .125 x 1 in / 20 mm	12"	.125"	1"	1	03448414
Diamond Rescue Blades 14 in x .125 x 1 in / 20 mm	14"	.125"	1"	1	03448415

* Special order only. Call for delivery details. Items not returnable.
** Purchase a five pack for the price of four singles

Metal Deck Cutting Blades

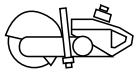
These blades are designed to cut metal deck. They do not contain sulfur, iron or chlorine and won't contaminate stainless steel.



Description	Diameter	Thickness	Arbor	Type	Wheel shape	Max rpm	Qty	SP	UP
AC-D 12" x 5/32" x 20 mm Cutting Blade	12"	5/32"	20mm	1		6360	10	00436714	00436715
AC-D 12" x 5/32" x 1" Cutting Blade	12"	5/32"	1"	1		6360	10	00436718	00436719
AC-D 14" x 5/32" x 20 mm Cutting Blade	14"	5/32"	20mm	1		6360	10	00436716	00436717
AC-D 14" x 5/32" x 1" Cutting Blade	14"	5/32"	1"	1		6360	10	00436720	00436721

Rebar and Steel Cutting Blades

For cutting rebar and thick steel (beams, profiles, pipe, etc.) with gas or electric saws



Description	Diameter	Thickness	Arbor	Type	Wheel shape	Max rpm	Qty	SP	UP
AC-D 12" x 5/32" x 20 mm Cutting Blade	12"	5/32"	20mm	1		6650	10	-	00436722
AC-D 12" x 5/32" x 1" Cutting Blade	12"	5/32"	1"	1		6650	10	-	00436723
AC-D 14" x 5/32" x 20 mm Cutting Blade	14"	5/32"	20mm	1		6650	10	-	00436724
AC-D 14" x 5/32" x 1" Cutting Blade	14"	5/32"	1"	1		6650	10	-	00436725

Ductile Metal Cutting Blades

For cutting cast iron pipe, rebar covered with concrete. These blades are a must for civil construction projects.

Description	Diameter	Thickness	Arbor	Type	Wheel shape	Max rpm	Qty	SP	UP
AC-D 12" x 5/32" x 20 mm Cutting Blade	12"	5/32"	20mm	1		6360	10	-	00436726
AC-D 12" x 5/32" x 1" Cutting Blade	12"	5/32"	1"	1		6360	10	-	00436727
AC-D 14" x 5/32" x 20 mm Cutting Blade	14"	5/32"	20mm	1		6360	10	-	00436728
AC-D 14" x 5/32" x 1" Cutting Blade	14"	5/32"	1"	1		6360	10	-	00436729

Metal Studs Cutting Blades

Our world class chop saw blades are designed to give you maximum life and super fast cuts in metal studs ranging from gauge 12 to 22. The SP line is a must for MEP contractors who are cutting bundles of strut.

Description	Diameter	Thickness	Arbor	Type	Wheel shape	Max rpm	Qty	SP	UP
AC-D 12" x 3/32" x 1" Cutting Blade	12"	3/32"	1"	1		5,200	10	00436730	00436731
AC-D 14" x 3/32" x 1" Cutting Blade	14"	3/32"	1"	1		5,200	10	00436732	00436733

All-Purpose Steel Cutting Blades

Great for bundle cutting in a variety of material such as rods, rebar, pipes, angle iron and various ferrous material.

Description	Diameter	Thickness	Arbor	Type	Wheel shape	Max rpm	Qty	SP	UP
AC-D 12" x 3/32" x 1" Cutting Blade	12"	3/32"	1"	1		4,400	10	-	00436734
AC-D 14" x 3/32" x 1" Cutting Blade	14"	3/32"	1"	1		4,400	10	-	00436735

Rail Saw Cutting Blades (fixed)

Great for use on fixed rail saws (Not for hand-held saws).

Description	Diameter	Thickness	Arbor	Type	Wheel shape	Max rpm	Qty	SP	UP
AC-D 14" x 1/8" x 1" Cutting Blade	14"	1/8"	1"	1		5,500	10	00436736	00436737
AC-D 16" x 1/8" x 1" Cutting Blade	16"	1/8"	1"	1		4,800	10	00436738	00436739

Masonry Blades

Features and Applications

- Designed specifically for use on stationairy masonry saws
- Silent Core (SP only) reduces noise 5 - 10 dB
- Dry or wet use
- Hard brick, hard natural stone, fast cutting
- Concrete block, clay brick, good balance of speed and life
- Concrete block, long life

Specifications	
N1	Natural Stone
M1	Masonry
C1	Concrete block

Super Premium Silent Core Masonry Blades

Description	Diameter	Thickness	Arbor	Specification	Usable Segment Height	Qty	Item No.
DS-BB 14" x.125"x1" N1-SP/Silent	14"	0.125	1"	N1	8 mm		00427182
DS-BB 14" x.125"x1" M1-SP/Silent	14"	0.125	1"	M1	8 mm		00427183
DS-BB 20" x.125"x1" M1-SP/Silent	20"	0.125	1"	M1	8 mm		00427184
DS-BB 20" x.125"x1" C1-SP/Silent	20"	0.125	1"	C1	8 mm		00427185

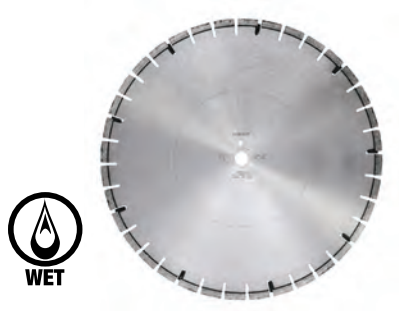
Premium Masonry Blades

Description	Diameter	Thickness	Arbor	Specification	Usable Segment Height	Qty	Item No.
DS-BB 14" x.125"x1" N1-CP	14"	0.125	1"	N1	5 mm		00427186
DS-BB 14" x.125"x1" M1-CP	14"	0.125	1"	M1	5 mm		00427187
DS-BB 20" x.125"x1" M1-CP	20"	0.125	1"	M1	5 mm		00427188
DS-BB 20" x.125"x1" C1-CP	20"	0.125	1"	C1	5 mm		00427189

Asphalt Blades

Features and Applications

- 0.520" diamond segment height (0.450" useable) for extended blade life
- Undercut protection standard on all blades
- 1" arbor (use with most road saws and walk behind saws)
- Thicker than industry cores (4130 steel) for improved tracking
- Tensioned to provide straight cutting and minimize vibrations for trouble free operation



Asphalt Blades — DS-BF A S/H

		Soft / Medium Asphalt			Hard Asphalt		
Diameter (in.)	Segment Width (in.)	18-30HP	35-55HP	66-99HP	18-30HP	35-55HP	66-99HP
14	125	00421367	00421393	-	00421380*	00421419	-
14	140	00421368*	00421394*	-	00421381*	00421420*	-
16	125	00421369	00421396*	-	00421382*	00421421	-
16	140	00421370*	00421397	-	00421383*	00421422	-
16	155	00421371*	00421398*	-	00421384*	00421423*	-
18	125	00421372	00421399*	-	00421385	00421424*	-
18	140	00421373*	00421400	-	00421386*	00421425*	-
18	155	00421374*	00421401	00421444	00421387	00421426	00421455*
18	155	-	-	00436504[1]	-	-	-
18	187	-	00421402*	00421445*	-	00421427	00421456*
20	125	00421375*	00421403*	-	00421388*	00421428*	-
20	140	00421376*	00421404	-	00421389*	00421429	-
20	140	-	00436506[2]	-	-	-	-
20	155	00421377	00421405	00421446	00421390*	00421430	00421457*
20	170	-	00436508	-	-	-	-
20	187	-	00421406*	00421447*	-	00421431	00421458
20	187	-	00436601[3]	-	-	00436600[3]	-
24	140	00421378*	00421407*	-	00421391*	00421432	-
24	155	00421379	00421408	00421448	00421392*	00421433	00421459*
24	155	-	-	00436513[1]	-	-	02005078[1]
24	170	-	00421409*	-	-	00421434*	-
24	187	-	00421410	00421449*	-	00421435	00421460*
24	187	-	00436547[3]	-	-	-	-
26	155	-	00421411*	00421450	-	00421436	00421461*
26	170	-	00421412*	-	-	00421437*	-
26	187	-	00421413	00421451	-	00421438	00421462
26	187	-	00436565[3]	-	-	00436604[3]	-
28	187	-	00421414*	00421452*	-	00421439*	00421463*
30	170	-	00421415*	-	-	00421440	-
30	187	-	00421416	00421453*	-	00421441*	00421464
30	187	-	00436582[3]	-	-	-	-
36	170	-	00421417*	-	-	00421442	-
36	187	-	00421418*	00421454*	-	00421443*	00421465

NOTE: Other diameters, thicknesses, arbors (Louie Arbor) and undercut protection available. Contact Hilti for details.

1 = UC3 undercut protection
2 = UC2 undercut protection, medium spec
3 = UC1 undercut protection
* Published special. Contact Hilti for availability.

Asphalt Over Concrete (Overlay) Blades

Features and Applications

- 0.520" diamond segment height (0.450" useable) for extended blade life
- Undercut protection standard on all blades
- 1" arbor (use with most road saws and walk behind saws)
- Thicker than industry cores (4130 steel) for improved tracking
- Tensioned to provide straight cutting and minimize vibrations for trouble free operation

WET

Asphalt over Concrete Blades — DS-BF AC S/H

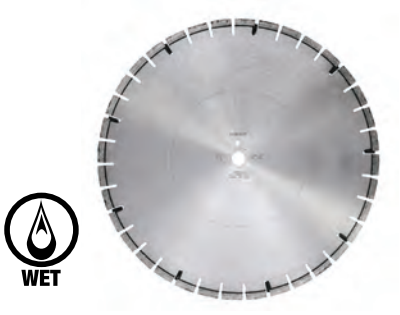
Diameter (in.)	Segment Width (in.)	Soft / Medium Asphalt		Hard Asphalt		
		35-57HP	52-72HP	18-30HP	35-57HP	52-72HP
14	125	00421215*	-	00421207	00421238*	-
14	140	00421216*	00421261	-	00421239*	00421286*
16	125	00421217*	-	00421208	00421240*	-
16	140	00421218*	00421262	-	00421241*	00421287*
16	155	00421219*	00421263	-	00421242*	00421288*
18	125	00421220*	-	00421209	00421243*	-
18	140	00421221*	00421264*	-	00421244*	00421289*
18	155	00421222	00421265	00421210*	00421245	00421290*
18	155	-	00436535[3]	-	-	-
18	170	00421223*	00421266*	-	00421246	00421291*
18	187	-	00421267*	-	-	00421292*
20	125	00421224*	-	02033674*	00421247*	-
20	140	00421225*	00421268*	-	02034097*	00421293*
20	155	02033672*	00421269*	00421212*	00421249*	00421294*
20	155	00436538[2]	-	-	00436537[4]	-
20	155	00436539[5]	-	-	-	-
20	165	-	02005131[2]	-	-	-
20	170	00421227*	00421270	-	00421250	00421295*
20	170	-	00436507[2]	-	-	00436540[6]
20	170	-	00436541[1]	-	-	-
20	187	-	00421271*	-	-	00421296*
20	187	-	02021332[5]	-	-	-
24	125	-	-	00421213*	-	-
24	140	00421228*	00421272*	-	00421251*	00421297*
24	155	02033679*	00421273*	02033676*	02034100*	00421298*
24	155	-	00436514[2]	-	-	-
24	170	00421230*	00421274*	-	00421253*	00421299*
24	187	00421231*	00421275*	-	00421254*	00421300*
26	155	02034091*	00421276*	-	02034103	00421301*
26	155	-	02034134	-	00436551[4]	-
26	170	00421233*	02034115	-	02034104*	00421302*
26	170	-	00436517[3]	-	00436556[5]	-
26	187	02034093*	02034116	-	00421257*	00421303*
26	187	00436603[3]	00436561[3]	-	00436602[4]	-
28	187	00421235*	00421279*	-	00421258*	00421304*
28	187	-	00436605[3]*	-	-	-
30	170	02034094*	00421280*	-	02034106	02034129
30	170	-	-	-	00436577[4]	-
30	187	00421237*	00421281*	-	00421260*	00421306*
30	187	-	00436607[3]	-	00436606[4]	-
36	170	-	00421282*	-	-	00421307*
36	187	-	00421283*	-	-	00421308*
36	187	-	00436608[3]	-	-	-
42	187	-	00421284*	-	-	00421309*
42	187	-	00436609[3]	-	-	-
48	187	-	00421285*	-	-	00421310*
48	187	-	00436611[3]	-	-	-

* Published special. Contact Hilti for availability.

Green Concrete Blades

Features and Applications

- 0.520" diamond segment height (0.450” useable) for extended blade life
- Undercut protection standard on all blades
- 1" arbor (use with most road saws and walk behind saws)
- Thicker than industry cores (4130 steel) for improved tracking
- Tensioned to provide straight cutting and minimize vibrations for trouble free operation



Green Concrete Blades — DS-BF CG S/M/H/XH

Diameter (in.)	Segment Width (in.)	Soft Concrete		Medium Concrete			Hard Concrete			Extra Hard Abrasive	Extra Hard Non-Abrasive
		35-55HP	57-66HP	18-30HP	35-55HP	57-66HP	18-30HP	35-55HP	57-66HP	57-99HP	57-99HP
14	125	00421606*	00421639*	00421598*	00421614*	00421659*	00421602	00421631	00421678*	00421697	00421713
14	140	00421607	00421640	00421599*	00421615*	00421660	00421603*	00421632*	00421679	00421698	00421714
14	155	-	00421641*	-	-	00421661*	-	-	00421680*	00421699	00421715*
14	187	-	00421642*	-	-	00421662	-	-	00421681	00421700	00421716
14	125	-	00421643*	-	-	00421663*	-	-	00421682*	-	-
16	125	00421608*	00421644*	00421600*	00421616*	00421664*	00421604*	00421633	00421683*	00421701*	00421717*
16	125	-	-	-	-	-	00436502[7]*	00436501[7]	-	-	-
16	140	00421609	00421645	00421601*	00421626*	00421665*	00421605*	00421634*	00421684	00421702*	00421718*
16	155	-	00421646*	-	-	00421666*	-	-	00421685*	00421703*	00421719*
16	187	-	-	-	-	-	-	-	-	00421704*	00421720*
16	250	-	00421647*	-	-	00421667*	-	-	00421686*	-	-
18	125	00421610*	00421648*	-	00421627*	00421668*	-	00421635*	00421687*	00421705*	00421721*
18	140	00421611*	00421649*	-	00421628*	00421669*	-	00421636*	00421688*	00421706*	00421722*
18	155	-	00421650*	-	-	00421670*	-	-	00421689*	00421707*	00421723
18	187	-	-	-	-	-	-	-	-	00421708	00421724*
18	250	-	00421651*	-	-	00421671*	-	-	00421690*	-	-
20	125	00421612*	-	-	00421629*	-	-	00421637*	-	00421709*	00421725*
20	140	00421613*	00421652*	-	00421630*	00421672*	-	00421638*	00421691*	00421710*	00421726*
20	155	-	-	-	-	-	-	-	-	00421711*	00421727*
20	187	-	00421653*	-	-	00421673*	-	-	00421692*	00421712*	00421728*
24	155	-	00421654*	-	-	00421674*	-	-	00421693*	-	-
24	187	-	00421655*	-	-	00421675*	-	-	00421694*	-	-
26	155	-	00421656*	-	-	00421676*	-	-	00421695*	-	-
26	187	-	00421658*	-	-	00421677*	-	-	00421696*	-	-

1 = UC2 undercut protection, medium spec.
2 = UC1 undercut protection, medium spec
3 = UC1 undercut protection, soft spec.
4 = UC1 undercut protection, hard spec.
5 = UC2 undercut protection, soft spec.
6 = UC2 undercut protection, hard spec.
7 = UC1 undercut protection
* Published special. Contact Hilti for availability.

Hilti also offers the following highest quality blades:

Bridge Deck Blades, Deep Sets Blades, Electric Floor Saw Blades, Joint Widening Blades, Rehab Blades, Random Crack Blades, Traffic Loop Blades and Joint Bevel Blades. Contact Hilti for a complete listing.

Hilti. Outperform. Outlast.

Road Saw Blades

Features and Applications

- 0.520" diamond segment height (0.450" useable) for extended blade life
- Formulated for fast cutting speeds to provide optimum productivity matched to saw horsepower
- 1" arbor (use with most road saws and walk behind saws)
- Thicker than industry cores (4130 steel) for improved tracking
- Tensioned to provide straight cutting and minimize vibrations for trouble free operation

Road Saw Blades — DS-BF C S/M/H/XH - 14" to 48"

Diameter (in.)	Segment Width (in.)	Soft Concrete				Medium Concrete				Hard Concrete				Extra Hard
		18-30HP	35-55HP	57-66HP	72-99HP	18-30HP	35-55HP	57-66HP	72-99HP	18-30HP	35-55HP	57-66HP	72-99HP	57-72HP
14	125	00419596	00419614*	00419698	-	00419602*	00419642*	00419468	-	00419608*	00419670	00419498	-	00419576*
14	140	-	00419615*	00419699*	-	-	00419643*	00419469*	-	-	00419671*	00419499*	-	-
14	155	-	-	-	-	-	-	-	-	-	-	-	-	00419577
16	125	00419597*	00419616*	00419700*	-	00419603*	00419644*	00419470*	-	00419609*	00419672*	00419500*	-	-
16	140	-	00419617*	00419701*	-	-	00419645*	00419471*	-	-	00419673*	00419501*	-	-
16	155	-	00419618*	00419702*	-	-	00419646*	00419472*	-	-	00419674*	00419502	-	-
18	125	00419598	00419619*	00419703	-	00419604*	00419647	00419473	-	00419610*	00419675	00419503	-	-
18	140	-	00419620	00419704*	-	-	00419648*	00419474*	-	-	00419676	00419504*	-	-
18	155	-	00419621	00419705*	00419528	-	00419649	00419475	00419544*	-	00419677	00419505	00419560*	00419578
18	170	-	00419622*	00419706*	00419529*	-	00419650	00419476*	00419545*	-	00419678*	00419506*	00419561	-
18	170	-	-	-	-	-	-	-	-	-	-	-	00436505[1]	-
18	187	-	-	00419707*	00419530*	-	-	00419477*	00419546*	-	-	00419507	00419562*	-
20	125	00419599	00419623*	00419708*	-	00419605*	00419651*	00419478*	-	00419611*	00419679	00419508*	-	-
20	140	-	00419624	00419709*	-	-	00419652	00419479*	-	-	00419680*	00419509	-	-
20	155	-	00419625	00419710	00419531	-	00419653*	00419480	00419547	-	00419681*	00419510*	00419563*	00419579
20	170	-	00419626*	00419711*	00419532*	-	00419654	00419481	00419548*	-	00419682*	00419511	00419564*	00419580*
20	187	-	-	00419712*	00419533	-	-	00419482	00419549*	-	-	00419512	00419565*	00419581*
20	187	-	-	-	-	-	-	00436544[1]	-	-	-	00436543[1]	-	-
22	155	-	-	-	-	-	-	-	-	-	-	-	-	00436512
24	125	00419600*	00419627*	-	-	00419606*	00419655*	00419483*	-	00419612*	00419683	00419513*	-	-
24	140	00419601*	00419628*	00419713*	-	00419607*	00419656	00419484*	-	00419613*	00419684	00419514	-	-
24	155	-	00419629	00419714	00419534*	-	00419657*	00419485*	00419550*	-	00419685	00419515*	00419566	00419582
24	170	-	00419630*	00419715	00419535*	-	00419658*	00419486*	00419551*	-	00419686*	00419516	00419567*	00419583*
24	187	-	00419631*	00419716*	00419536*	-	00419659*	00419487	00419552*	-	00419687	00419517	00419568*	00419584*
24	187	-	-	-	-	-	-	00436550[1]	-	-	00436549[1]	-	-	-
26	155	-	00419632	00419717	00419537*	-	00419660*	00419488	00419553*	-	00419688	00419518	00419569	00419585
26	155	-	-	-	-	-	-	00436555[1]	-	-	-	-	02034135	-
26	170	-	00419633	00419718	00419538*	-	00419661*	00419489	00419554*	-	00419689*	00419519	00419570*	00419586*
26	170	-	-	02034148*	-	-	02034146	02034147	-	-	-	-	-	02034133*
26	187	-	00419634*	00419719	00419539*	-	00419662*	00419490*	00419555*	-	00419690*	00419520*	00419571*	00419587*
26	187	-	02034153*	02034154*	-	-	02034151*	02034152*	-	-	02034149*	02034150*	-	-
28	187	-	00419635*	00419720	00419540*	-	00419663*	00419491*	00419556*	-	00419691*	00419521*	00419572*	-
28	187	-	-	00436575[1]	-	-	-	-	-	-	-	-	-	00436576[2]
30	155	-	00419636*	-	-	-	00419664	00419492	-	-	00419692	00419522	-	-
30	170	-	00419637	00419721	-	-	00419665	00419493*	-	-	00419693*	00419523*	-	00419588
30	170	-	02034155*	-	-	-	-	-	-	-	-	-	-	-
30	187	-	00419638	00419722	00419541*	-	00419666*	00419494*	00419557*	-	00419694*	00419524	00419573*	00419589*
30	187	-	00436588[1]	00436589[1]	-	-	-	02034157*	-	-	02034161*	00436585[1]	-	00436592[2]
32	187	-	00419639*	00419723*	00419542*	-	00419667*	00419495	00419558*	-	00419695*	00419525*	00419574*	-
36	170	-	00419640	00419463*	-	-	00419668	00419496*	-	-	00419696	00419526*	-	00419590
36	187	-	00419641	00419465*	00419543*	02034140*	00419669*	00419497*	00419559*	-	00419697*	00419527*	00419575*	00419591*
36	187	-	-	-	-	-	02034140*	02034138*	-	-	02034141*	02034137*	-	02034136*
42	187	-	-	00419466*	-	-	00436523	-	-	-	00436524	00436522[1]	-	00419592*
42	210	-	-	-	-	-	-	-	-	-	-	-	-	00419593*
48	187	-	-	00419467*	-	-	-	-	-	-	-	00436525[1]	-	00419594*
48	210	-	-	00419468	-	-	-	-	-	-	-	-	-	00419595*

* Published special. Contact Hilti for availability.

Maximum Diamond Blade Cutting Depths

Note: Diamond blade cutting depths listed are approximate. Actual cutting depth will vary with the exact blade diameter, saw type, saw brand and/or the exact diameter of the blade flanges. Cutting depth will also be reduced if saw components (motor housing, blade guard, etc.) extend below the blade flanges.

Walk Behind Diamond Blades

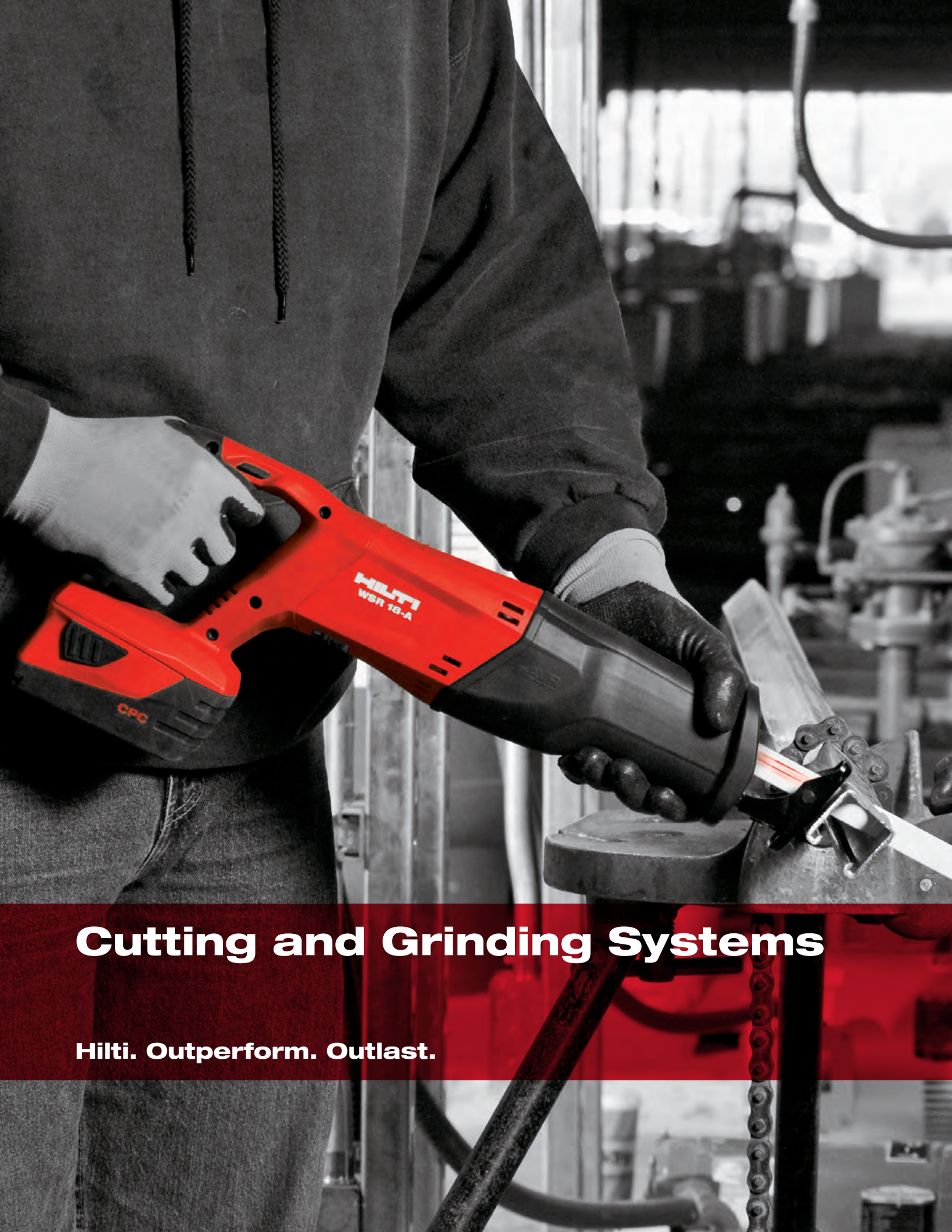
Blade Size	Depth
12 in	3-5/8 in
14 in	4-5/8 in
16 in	5-5/8 in
18 in	6-5/8 in
20 in	7-5/8 in
24 in	9-5/8 in
26 in	10-5/8 in
30 in	11-5/8 in
36 in	14-5/8 in
42 in	17-5/8 in
48 in	20-5/8 in

Masonry Saw Diamond Blades

Blade Size	Depth
14 in	5 in
18 in	7 in
20 in	8 in

High Speed Blades for Hand Held Gas Saws

Blade Size	Depth
12 in	4 in
14 in	5 in
16 in	6 in



Cutting and Grinding Systems

Hilti. Outperform. Outlast.

Reciprocating Saws

WSR 18-A CPC Cordless Reciprocating Saw 122
WSR 36-A CPC Reciprocating Saw 122
WSR 1000 Reciprocating Saw 123
WSR 1250-PE Reciprocating Saw 123
WSR 1400-PE Reciprocating Saw 123
Reciprocating Saw Blades 124

Circular Saws

SCW 18-A CPC Cordless Circular Saw 126
WSC 7.25-A36 CPC Cordless Circular Saw 126
WSC 7.25-S Circular Saw 127
Circular Saw Blades 127

Angle Grinders

DG 150 Diamond Grinding System 128
Diamond Cup Wheels 128
DAG 450-S 4-1/2" Angle Grinder 130
DAG 450-D 4-1/2" Angle Grinder 130
DAG 500-D 5" Angle Grinder 130
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DEG 500-D 5" Angle Grinder 130
DEG 600-D/P 6" Angle Grinder 131
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Vacuums 106

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WSR 18-A CPC Reciprocating Saw

Features and Applications

- Efficient gear design allows more of the power input to be delivered to the blade for more work per charge
- High-efficiency motor for longer tool life
- Drop-resistant housing and rubberized drop points for increase durability and operator comfort
- Keyless blade clamp for fast and easy blade change

Technical Data	WSR 18-A CPC
Voltage	18+ V
Stroke length	1-1/8 in
Stokes per minute	0-3000
Variable speed switch	Yes
Blade clamp	Keyless
Dimensions (L x W x H)	19.37 x 3.78 x 7.72 in
Weight (with battery)	8.2 lb

WSR 36-A CPC Reciprocating Saw

Features and Applications

- High-efficiency motor and gear combined with the best battery technology gives you more power and work per charge
- Cordless power you can depend on for heavy demolition applications
- Equipped with Active Vibration Reduction (AVR) to significantly reduce vibration and worker fatigue
- Six settings allow variable stroke speed for more control in a variety of applications

Technical Data	WSR 36-A CPC
Voltage	36 V
Stroke length	1-1/4 in
Stokes per minute	0-2850
Variable speed switch	Yes
Stroke rate regulation	1 to 6
Dimensions (L x W x H)	17.3 x 3.6 x 8.9 in
Weight (with battery)	9.6 lb

Order Information

Order Description	Package Contents	Item No.
WSR 18-A Cordless Reciprocating Saw	Includes tool, (2) B 18 Li-Ion 3.3-Ah CPC batteries, C 4/36 Li-Ion CPC charger and choice of soft bag or impact-resistant plastic tool box	03467882
WSR 36-A Cordless Reciprocating Saw	Includes tool, (2) B 36 Li-Ion 3.0-Ah CPC batteries, C 4/36-ACS Li-Ion CPC charger and operating instructions in an impact-resistant plastic tool box	03466093

WSR 1000 Reciprocating Saw

Features and Applications

- Slim design for cutting in tight spaces
- Keyless chuck for fast and easy blade change
- Constant run switch for continuous cutting
- Powerful 1000 W motor for cutting through tough material

Technical Data	WSR 1000
Voltage	120 V
Rated input	1000 W
Stroke length	1-1/8 in
Strokes per minute	0-2950
Constant on	Yes
Dimensions (L x W x H)	22.5 x 3.6 x 5.5 in
Weight	7.1 lb

WSR 1250-PE Reciprocating Saw

Features and Applications

- Smart Power system increases power input when tool comes under load, maintaining stroke rate
- Orbital action for faster, more aggressive cutting into wood and other soft materials
- Variable speed control trigger for optimized cutting in various materials
- Full hand trigger reduces operator fatigue
- Equipped with Active Vibration Reduction (AVR) to significantly reduce vibration and worker fatigue

Technical Data	WSR 1250-PE
Voltage	120 V
Rated input	1250 W
Stroke length	1-1/4 in
Stokes per minute	0-2700
Variable speed switch	Yes
Orbital action	Yes
Dimensions (L x W x H)	19.4 x 4 x 7.1 in
Weight	9.3 lb

WSR 1400-PE Reciprocating Saw

Features and Applications

- Smart Power system increases power input when tool comes under load, maintaining stroke rate
- Orbital action for faster, more aggressive cutting into wood and other soft materials
- Equipped with Active Vibration Reduction (AVR) to significantly reduce vibration and worker fatigue
- Specially hardened carburized gearing for longer life

Technical Data	WSR 1400-PE
Voltage	120 V
Rated input	1400 W
Stroke length	1-1/4 in
Stokes per minute	0-2700
Variable speed switch	Yes
Speed settings	1 to 6
Orbital action	Yes
Dimensions (L x W x H)	22.6 x 4 x 7.4 in
Weight	9.9 lb

HILTI LIFETIME SERVICE™ 1 Year NO COSTS; Lifetime REPAIR COST LIMIT; Lifetime MANUFACTURERS WARRANTY

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Order Information

Order Description	Package Contents	Item No.
WSR 1000 Reciprocating Saw	Includes tool, soft bag, operating and safety instructions in a cardboard box	03484940
WSR 1250-PE Reciprocating Saw	Includes tool, saw blade and operating instructions in an impact-resistant plastic tool box	00285772
WSR 1400-PE Reciprocating Saw	Includes tool, saw blade and operating instructions in an impact-resistant plastic tool box	00304545

Wood Blades

Pruning Blade — .059 Thick

Description	Length	Teeth Per Inch (TPI)	Tooth Configuration	5 Pack Item No.	50 Pack Item No.	Plastic	Composite	Tree	Soft/Hardwood	Nail Inbedded Wood	Sheet Meta/Track	Metals/Strut	Aluminum	Plaster	Limestone	Concrete Block	Hollow Brick	Aireated Concrete	Hard Brick	Drywall
WS24	9-1/3"	5	Variable	00284546	-			■	■											

Multi Purpose — .049" Thick

Description	Length	Teeth Per Inch (TPI)	Tooth Configuration	5 Pack Item No.	50 Pack Item No.	Plastic	Composite	Tree	Soft/Hardwood	Nail Inbedded Wood	Sheet Meta/Track	Metals/Strut	Aluminum	Plaster	Limestone	Concrete Block	Hollow Brick	Aireated Concrete	Hard Brick	Drywall
WU20	8"	6-10	Progressive	00284547	-	■	■		■	■										■

Light Demolition — .050" Thick

Description	Length	Teeth Per Inch (TPI)	Tooth Configuration	5 Pack Item No.	50 Pack Item No.	Plastic	Composite	Tree	Soft/Hardwood	Nail Inbedded Wood	Sheet Meta/Track	Metals/Strut	Aluminum	Plaster	Limestone	Concrete Block	Hollow Brick	Aireated Concrete	Hard Brick	Drywall
R-NB	6"	6	Aggressive	00205989	00253236	■	■		■	■										■
R-NB	9"	6	Aggressive	00205990	00253237	■	■		■	■										
R-NB	12"	6	Aggressive	00205991	00253238	■	■		■	■										

Heavy Demolition — .062" Thick

Description	Length	Teeth Per Inch (TPI)	Tooth Configuration	3 Pack Item No.	25 Pack Item No.	Plastic	Composite	Tree	Soft/Hardwood	Nail Inbedded Wood	Sheet Meta/Track	Metals/Strut	Aluminum	Plaster	Limestone	Concrete Block	Hollow Brick	Aireated Concrete	Hard Brick	Drywall
R-DB	6"	6	Aggressive	03006044	-		■		■	■										■
R-DB	9"	6	Aggressive	00374341	00304679		■		■	■										■
R-DB 9x10	9"	10	Aggressive	03006043	-		■		■	■										■

Universal Blades

Wood and metal — .050" Thick

Description	Length	Teeth Per Inch (TPI)	Tooth Configuration	5 Pack Item No.	50 Pack Item No.	Plastic	Composite	Tree	Soft/Hardwood	Nail Inbedded Wood	Sheet Meta/Track	Metals/Strut	Aluminum	Plaster	Limestone	Concrete Block	Hollow Brick	Aireated Concrete	Hard Brick	Drywall
UF15	6"	6/12	Progressive	00284550	-	■	■		■	■	■	■	■							■
UD20	8"	6/12	Progressive	00284551	-	■	■		■	■	■	■	■							■
R-CB	6"	10/14	Variable	00374338	00304675	■	■		■	■	■	■	■							■
R-CB	8"	10/14	Variable	00374339	00304676	■	■		■	■	■	■	■							■
R-CB	12"	10/14	Variable	00374340	00304677	■	■		■	■	■	■	■							■

Specialty Blades

Description	Length	Teeth Per Inch (TPI)	Tooth Configuration	Qty	Item No.	Plastic	Composite	Tree	Soft/Hardwood	Nail Inbedded Wood	Sheet Meta/Track	Metals/Strut	Aluminum	Plaster	Limestone	Concrete Block	Hollow Brick	Aireated Concrete	Hard Brick	Drywall
SM15	6"	6	Carbide	3	00284554				■	■				■					■	■
SB23	9.3"	1.5	Carbide	1	00285809		■		■					■	■	■	■	■	■	■
SB31	11.1"	1.5	Carbide	1	00285811		■		■					■	■	■	■	■	■	■
SB45	17.7"	1.5	Carbide	1	00285812		■							■	■	■	■	■	■	■
R-PB	6"	6	Aggressive	5	00374342	■	■							■						■

Metal Cutting Blades

Description	Length	Teeth Per Inch (TPI)	Metal Thickness	Tooth Configuration	5 Pack Item No.	50 Pack Item No.	Wood/Plastic: Plastic	Wood/Plastic: Composite	Wood/Plastic: Tree	Wood/Plastic: Soft/Hardwood	Metal: Sheet Meta/Track	Metal: Metals/Strut	Metal: Aluminum	Masonry/Minerals: Plaster	Masonry/Minerals: Limestone	Masonry/Minerals: Concrete Block	Masonry/Minerals: Hollow Brick	Masonry/Minerals: Aireated Concrete	Masonry/Minerals: Hard Brick	Masonry/Minerals: Drywall
Multi-Purpose — .035" Thick																				
MU15	6"	18	1/16"-over 1/2"	Progressive	00284549	-	■				■	■	■							
Fastest Cut — .035" Thick																				
R-MB	6"	10	1/2" and Thicker	Aggressive	00205995	00253240					■	■	■							
R-MB	8"	10	1/2" and Thicker	Aggressive	00205999	00253244														
Fast Cut — .035" Thick																				
R-MB	6"	14	1/4"-1/2"	Durable	00205996	00253241					■	■	■							
R-MB	8"	14	1/4"-1/2"	Durable	00206315	00253245					■	■	■							
Precision Cut — .035" Thick																				
R-MB	4"	18	1/8"-1/4"	Fine	00205993	00253239					■	■	■							
R-MB	6"	18	1/8"-1/4"	Fine	00205997	00253242					■	■	■							
R-MB	8"	18	1/8"-1/4"	Fine	00374336	00304673					■	■	■							
R-MB	12"	18	1/8"-1/4"	Fine	00374337	00304674					■	■	■							
Highest Precison Cut — .035" Thick																				
R-MB	6"	24	1/8" and Thinner	Fine	00205998	00253243					■	■	■							

Metal Demolition Blades

Description	Lgth.	Teeth Per Inch (TPI)	Metal Thickness	Tooth Configuration	5 Pack Item No.	50 Pack Item No.	Wood/Plastic: Plastic	Wood/Plastic: Composite	Wood/Plastic: Tree	Wood/Plastic: Soft/Hardwood	Metal: Sheet Meta/Track	Metal: Metals/Strut	Metal: Aluminum	Masonry/Minerals: Plaster	Masonry/Minerals: Limestone	Masonry/Minerals: Concrete Block	Masonry/Minerals: Hollow Brick	Masonry/Minerals: Aireated Concrete	Masonry/Minerals: Hard Brick	Masonry/Minerals: Drywall
Fastest Cut — .042" Thick																				
MD 15/2.5	6"	10	1/2" and Thicker	Aggressive	00362538	00362539	■				■	■	■					■		
MD 23/2.5	9"	10	1/2" and Thicker	Aggressive	00362546	00362547	■				■	■	■					■		
MD 30/2.5	12"	10	1/2" and Thicker	Aggressive	00362553	00362554	■				■	■	■					■		
Fast Cut — .042" Thick																				
MD 15/2	6"	14	1/4"-1/2"	Durable	00362541	00362542	■				■	■	■							
MD 23/2	9"	14	1/4"-1/2"	Durable	00362548	00362549	■				■	■	■							
MD 30/2	12"	14	1/4"-1/2"	Durable	00362555	00362556	■				■	■	■							
Precision Cut — .042" Thick																				
MD 15/1.5	6"	18	1/8"-1/4"	Fine	00362543	00362544	■				■	■	■							
MD 23/1.5	9"	18	1/8"-1/4"	Fine	00362550	00362551	■				■	■	■							
MD 30/1.5	12"	18	1/8"-1/4"	Fine	00362557	00362559	■				■	■	■							

Heavy Duty Pipe Blades

Description	Lgth.	Teeth Per Inch (TPI)	Metal Thickness	Tooth Configuration	3 Pack Item No.	25 Pack Item No.	Wood/Plastic: Plastic	Wood/Plastic: Composite	Wood/Plastic: Tree	Wood/Plastic: Soft/Hardwood	Metal: Sheet Meta/Track	Metal: Metals/Strut	Metal: Aluminum	Masonry/Minerals: Plaster	Masonry/Minerals: Limestone	Masonry/Minerals: Concrete Block	Masonry/Minerals: Hollow Brick	Masonry/Minerals: Aireated Concrete	Masonry/Minerals: Hard Brick	Masonry/Minerals: Drywall
Fast Cut — .062" Thick																				
MS 23/2-2.5	9"	10/14	.203" and Thicker	Variable	00362560	00362561	■				■	■	■					■		
MS 30/2-2.5	12"	10/14	.203" and Thicker	Variable	00362562	00362563	■				■	■	■					■		

5

SCW 18-A CPC Circular Saw

Features and Applications

- More work per charge
- Smoother operation while ripping 8' plywood
- Easy to read markings and easy to use adjustments
- Designed to cut wood and plastic
- Electric blade brake stops the tool quickly when the trigger is released

Technical Data	SCW 18-A CPC
Voltage	18+ V
No load speed	4000 rpm
Max cutting depth	2-1/4 in
Cutting depth at 45°	1-5/8 in
Angular adjustment	45 degrees
Blade diameter	6-1/2 in
Arbor	5/8 in
Dimensions (L x W x H)	15.4 x 7.8 x 9.4 in
Weight (with battery)	8.6 lb

WSC 7.25-A CPC Circular Saw

Features and Applications

- Highest capacity cordless circular saw on the market with a 36 V 3.9-Ah CPC Li-Ion battery
- Deepest cut on the market with 2-5/8" cutting depth at 90°
- Magnesium base plate for reliable guidance

Technical Data	WSC 7.25-A CPC
Voltage	36 V
No load speed	4000 rpm
Max cutting depth	2-5/8 in
Cutting depth at 45°	1-7/8 in
Angular adjustment	50 degrees
Blade diameter	7-1/4 in
Arbor	5/8 in
Dimensions (L x W x H)	23.6 x 15.7 x 9.4 in
Weight (with battery)	12.7 lb

Order Information

Order Description	Package Contents	Item No.
SCW 18-A Cordless Circular Saw	Includes tool, (2) B 18 Li-Ion 3.3-Ah CPC batteries, C 4/36 Li-Ion CPC charger and soft bag	03474877
WSC 7.25-A Cordless Circular Saw	Includes tool, (1) B 36 Li-Ion 3.9-Ah CPC battery, C 4/36-ACS Li-Ion CPC charger and operating instructions in a large Hilti tool bag	03453677

For increased value, choose a cordless combo — See page 36

Hilti. Outperform. Outlast.

WSC 7.25-S Circular Saw

Features and Applications

- Powerful 15 A motor for reliable jobsite performance
- Electric blade brake stops the tool quickly when the trigger is released
- Heavy duty ball and needle bearing design for long life
- Bevel cuts up to 50°
- Large viewing window for clear visibility of the cut line

Technical Data	WSC 7.25-S
Voltage	120 V
Nominal current	15 A
No load speed	5800 rpm
Max cutting depth	2-3/8 in
Cutting depth at 45°	1-3/4 in
Blade diameter	7-1/4 in
Arbor	5/8 in
Dimensions (L x W x H)	14 x 7.7 x 12 in
Weight	13 lb

Order Information

Description	Package Contents	Item No.
SCW 18-A Cordless Circular Saw	Includes tool, (2) B 18 Li-Ion 3.3-Ah CPC batteries, C 4/36 Li-Ion CPC charger and soft bag	03474877
WSC 7.25-A Cordless Circular Saw	Includes tool, (1) B 36 Li-Ion 3.9-Ah CPC battery, C 4/36-ACS Li-Ion CPC charger and operating instructions in a large Hilti tool bag	03453677
WSC 7.25-S Circular Saw	Includes tool, wrench, SB-CA 7-1/4" x 24T blade and operating instructions in a cardboard box	00427728

5

High Performance Circular Saw Blades

The all new Hilti circular saw blade portfolio brings the latest ultra thin kerf technology and matches key applications to blade type. The all new portfolio includes: framing, finishing, wet pressure-treated lumber, and general purpose blades offering longer life and increased feel of cut to outperform and outlast.

- Laser fused carbide teeth for longer life
- Ultra thin kerf for ultra smooth cuts and better handling
- Stick resistant coating to reduce friction
- Designed for wet, pressure treated lumber (Item # 00290209)
- 5/8" arbor with diamond knockout featured on all blades

Description		Dia.	Teeth	Arbor	Kerf	Single Item No.	10 pack Item No.	50 pack Item No.
SC-C WU 6-1/2" x T24 Framing Blade NEW!	①	6 1/2"	24	5/8" with UDM	0.069"	02027605	02005347	-
W-CSC 7-1/4" x T24 FR Framing Blade	②	7-1/4"	24	5/8" with UDM	0.071"	-	00290205	03445956
W-CSC 7-1/4" x T40 FI Finishing Blade	③	7-1/4"	40	5/8" with UDM	0.071"	-	00290207	-
W-CSC 7-1/4" x T24 PTL Pressure Treated and Wet Lumber Blade	④	7-1/4"	24	5/8" with UDM	0.071"	-	00290209	03445957
W-CSC 7-1/4" x T24 GP General Purpose Blade	⑤	7-1/4"	24	5/8" with UDM	0.071"	-	00290210	03445958

DG 150 Diamond Grinding System

Features and Applications

- Unique grinding cup wheels remove material at a rate almost twice as fast as standard cup wheels
- Tool stops completely in two seconds or less after switch is turned off
- Restart interlock helps prevent accidental starts
- Adjustable grip provides optimum operator comfort
- Brushless motor offers life expectancy up to 30 times longer than conventional angle grinders

Technical Data	DG 150
Voltage	120 V
Rated input	2100 W
Disc diameter (in)	6 in
Speed 1 no load	4700 rpm
Speed 2 no load	6600 rpm
Dimensions (L x W x H)	18 x 10 x 9 in
Weight	9.0 lb

Order Information

Order Description	Package Contents	Item No.
DG 150 DLX Diamond Grinding System	Includes tool, power conditioner, VC 40U vacuum, (10) bags, choice of (3) blades, vacuum accessory set and handle	03439310
DG 150 Diamond Grinding System	Includes tool, power conditioner, VC 40U vacuum and handle	03439309
DG 150 Diamond Grinder	Includes tool and power conditioner	00369388

Diamond Cup Wheels

①

②

③

④

⑤

Description		For use with	Diameter	Qty per pack	Item No.
DG-CW 6" A1	①	Sandstone, green concrete	6 in	1	00285145
DG-CW 6" C1	②	General purpose concrete	6 in	1	00224134
DG-CW 6" D1	③	Fine finishing on concrete, rounding edges	6 in	1	00285147
DG-CW 6" B1 (spike)	④	Removal of coatings on concrete, sealers and paint	6 in	1	00285148
DG-CW 6" C2	⑤	Hard aggregate concrete	6 in	1	00285149

Dust control vacuum systems — see page 106

Dust Removal Systems
Productivity with dust under control

Dust is generated by many construction industry processes such as cutting, grinding, slitting or breaking. Depending on the materials and the exposure, this can result in an uncomfortable work environment. While these issues are well known, controlling airborne dust has historically been a challenge.

Dust can also have a negative impact on the lifetime of power tools, consumables and on the working processes on the jobsite, which can result in reduced productivity and higher costs.

Keep dust to a minimum with Hilti

Hilti is committed to helping reduce the risks workforces are exposed to by providing solutions that control exposure to dust in many jobsite applications. Take advantage of the benefits Hilti Dust Removal Systems offer. Contact Hilti today for more information and to schedule a demonstation.

Controlling dust on the jobsite means

- Increased comfort and more protection for workers
- A more precise and efficient working procedure
- Reduced clean-up time contributing to a better bottom line

Efficient dust removal helps

- Increase tool life
- Control costs by helping to reduce downtime
- Limit repairs and increase time between service

A high-performance, easy-to-use dust removal system allows

- Efficient and productive use resulting in fewer labor hours
- Faster ramp-up time for new users
- More accurate handling by workers

Keep dust under control for increased working comfort, safety and productivity.

DRS

Concrete finishing without dust control (working time approximately 10 seconds)

Concrete finishing without dust control (working time approximately 30 seconds)

With Hilti Dust Removal System (working time approximately 30 seconds)

Hilti offers wet and dry dust removal systems designed to fit your application needs.

Hilti. Outperform. Outlast.

DAG 450-D/S 4-1/2" Angle Grinders

Features and Applications

- Slim barrel design for operator comfort
- Powerful 7.5 A motor for grinding tough material
- Low profile head for grinding in tight spaces
- Keyless guard allows for positioning the guard without tools
- DAG 450-S: Constant on switch
- DAG 450-D: Dead man switch

Technical Data	DAG 450-D/S
Voltage	120 V
Frequency	60 Hz
Nominal current	7.5 A
Rated input	DAG 450-S: 800 W DAG 450-D: 900 W
No load speed	10,000 rpm
Disc diameter (in)	4.5 in
Trigger type	DAG 450-S: constant on DAG 450-D: dead man
Weight	3.5 lb

DAG 500-D 5" Angle Grinder

Features and Applications

- 1020 watt motor for higher performance
- Rugged and durable guard connection
- Optional dust hood to minimize environmental impact and improve operator comfort
- Enough power for the most demanding cutting and grinding jobs in virtually all base materials

Technical Data	DAG 500-D
Voltage	120 V
Frequency	60 Hz
Nominal current	8.5 A
Rated input	1020 W
No load speed	11,000 rpm
Disc diameter (in)	5 in
Trigger type	dead man
Weight	4.8 lb

DCG 500-S 5" Angle Grinder

Features and Applications

- 1400 watt motor for higher performance
- Smart Power System increases power input when tool comes under load to maintain grinding speed
- Active Torque Control (ATC) minimizes kickback providing added operator protection
- Powerful enough for the most demanding cutting and grinding jobs in virtually all base materials

Technical Data	DCG 500-S
Voltage	120 V
Frequency	60 Hz
Nominal current	11.5 A
Rated input	1400 W
No load speed	11,000 rpm
Disc diameter (in)	5 in
Trigger type	constant on
Weight	5.3 lb

DEG 500-D 5" Angle Grinder

Features and Applications

- Smart Power System increases power input when tool comes under load to maintain grinding speed
- Slim, easy-to-grip design for better handling
- Active Torque Control (ATC) minimizes kickback and provides added operator protection

Technical Data	DEG 500-D
Voltage	120 V
Frequency	60 Hz
Nominal current	11.5 A
Rated input	1400 W
No load speed	11,000 rpm
Disc diameter (in)	5 in
ATC - Active Torque Control	Yes
Trigger type	dead man
Weight	4.19 lb

DEG 600-D/P 6" Angle Grinder

Features and Applications

- Smart Power System increases power input when tool comes under load to maintain grinding speed
- Active Torque Control (ATC) minimizes kickback providing added operator protection
- Slim, easy-to-grip design for better handling
- 1400 watt motor for high performance

Technical Data	DEG 600-D/P
Voltage	120 V
Frequency	60 Hz
Nominal current	11.5 A
Rated input	1400 W
No load speed	9.300 rpm
Disc diameter (in)	6 in
ATC - Active Torque Control	Yes
Trigger type	DEG 600-D: dead man DEG 600-P: lock on
Weight	4.19 lb

DAG 700-P 7" Angle Grinder

Features and Applications

- Ideal for weld grinding and metal preparation
- Dual position trigger switch
- Three-position side handle
- Spindle lock for fast and easy blade changes

Technical Data	DAG 700-P
Voltage	120 V
Frequency	60 Hz
Nominal current	15 A
Rated input	1680 W
No load speed	8500 rpm
Disc diameter (in)	7 in
Trigger type	lockable on / off
Weight	9.25 lb

DCG 700-P 7" Angle Grinder

Features and Applications

- Cutting concrete, bricks, blocks, mortar, stone and other masonry material
- Grinding, deburring, beveling, blending and brushing steel
- Active Torque Control (ATC) minimizes kickback providing added operator protection
- Active Vibration Reduction (AVR) ensures maximum comfort
- Main handle rotates 360 degrees (locks at every 90 degrees) for better control

Technical Data	DCG 700-P
Voltage	120 V
Frequency	60 Hz
Nominal current	15A
Rated input	1680 W
No load speed	8500 RPM
Disc diameter (in)	7 in
Trigger type	Lockable on/off
Weight	13.2 lbs

Carbon brushes, guards and accessories — see page 139

Order Information

Order Description	Package Contents	Item No.
DAG 450-S Angle Grinder	Includes tool, 4-1/2" guard, side handle, flange set, flange key and operating instructions in a cardboard box	00211898
DAG 450-D Angle Grinder	Includes tool, 4-1/2" guard, side handle, flange set, flange key and operating instructions in a cardboard box	00211899
DAG 500-D Angle Grinder	Includes tool, protective glasses, standard grinding guard, flange set, flange wrench, vibration absorbing side handle and operating instructions in a cardboard box	00382594
DCG 500-S Angle Grinder	Includes tool, protective glasses, standard grinding guard, flange set, flange wrench, vibraton absorbing side handle, and operating instructions in cardboard box	00382581
DEG 500-D Angle Grinder	Includes tool, side handle, flange set, clamping wrench, safety glasses and operating instructions in a cardboard box	00285937
DEG 600-D Angle Grinder	Includes tool, side handle, flange set, clamping wrench, safety glasses and operating instructions in a cardboard box	00285938
DEG 600-P Angle Grinder	Includes tool, side handle, flange set, clamping wrench, safety glasses and operating instructions in a cardboard box	00202979
DAG 700-P Angle Grinder	Includes tool, 7" guard, side handle, flange set, spanner wrench, safety glasses and operating instructions in a cardboard box	00356235
DCG 700-P Angle Grinder	Includes tool, 7" guard, side handle, flange set, spanner wrench, safety glasses and operating instructions in a cardboard box	00070747

Hilti Abrasives

The professional's choice.

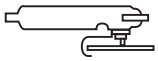
Hilti introduces a complete selection of high quality abrasive blades. This new product line up was developed to bring safety, productivity and the latest innovation in metalworking directly to professionals. Whether you are cutting, grinding, notching or finishing regular or stainless steel, Hilti offers two distinct lines that deliver maximum performance.

Special Performance (SP): Offering a harder bond, the SP line delivers maximum performance and longest life.

Universal Performance (UP): Offering a more flexible bond, the UP line delivers every day value without jeopardizing the high performance you expect.

Thin Cutting Wheels

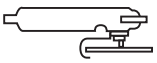
For high performance cutting applications such as rebar and angle iron. These blades are made with high quality materials that do not contain sulfur, iron and chlorine and won't contaminate stainless steel.



Description	Diameter	Thickness	Arbor	Type	Wheel shape	Max rpm	Qty	SP	UP
AC-D 4.5" x 0.045" x 7/8" Cutting Wheel	4.5"	0.045"	7/8"	1		13,300	25	00436655	00436656
AC-D 5" x 0.045" x 7/8" Cutting Wheel	5"	0.045"	7/8"	1		12,200	25	00436657	00436658
AC-D 6" x 0.045" x 7/8" Cutting Wheel	6"	0.045"	7/8"	1		10,200	25	00436659	00436660
AC-D 7" x 1/16" x 7/8" Cutting Wheel	7"	1/16"	7/8"	1		8,600	25	00436661	00436662
AC-D 4.5" x 0.045" x 7/8" T27 Cutting Wheel	4.5"	0.045"	7/8"	27		13,300	25	00436663	00436664
AC-D 5" x 0.045" x 7/8" T27 Cutting Wheel	5"	0.045"	7/8"	27		12,200	25	00436665	00436666
AC-D 6" x 0.045" x 7/8" T27 Cutting Wheel	6"	0.045"	7/8"	27		10,200	25	00436667	00436668
AC-D 7" x 1/16" x 7/8" T27 Cutting Wheel	7"	1/16"	7/8"	27		8,600	25	00436669	-

Cutting and Notching Wheels

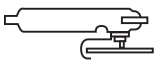
Ideal for pipeline applications such as cleaning weld beads between passes and light grinding on steel and stainless steel. Hilti cutting and notching wheels are contaminant free.



Description	Diameter	Thickness	Arbor	Type	Wheel shape	Max rpm	Qty	SP	UP
AC-D 4.5" x 1/8" x 7/8" Cutting Wheel	4.5"	1/8"	7/8"	27		13,300	10	00436671	00436672
AC-D 5" x 1/8" x 7/8" Cutting Wheel	5"	1/8"	7/8"	27		12,200	10	00436673	00436674
AC-D 6" x 1/8" x 7/8" Cutting Wheel	6"	1/8"	7/8"	27		10,200	10	00436675	00436676
AC-D 7" x 1/8" x 7/8" Cutting Wheel	7"	1/8"	7/8"	27		8,600	10	00436677	00436678
AC-D 9" x 1/8" x 7/8" Cutting Wheel	9"	1/8"	7/8"	27		6,800	10	00436679	00436680
AC-D 4.5" x 1/8" x 5/8"-11 Cutting Wheel	4.5"	1/8"	5/8"-11	27 hub		13,300	5	00436681	00436682
AC-D 5" x 1/8" x 5/8"-11 Cutting Wheel	5"	1/8"	5/8"-11	27 hub		12,200	5	00436683	00436684
AC-D 6" x 1/8" x 5/8"-11 Cutting Wheel	6"	1/8"	5/8"-11	27 hub		10,200	5	00436685	00436686
AC-D 7" x 1/8" x 5/8"-11 Cutting Wheel	7"	1/8"	5/8"-11	27 hub		8,600	5	00436687	00436688
AC-D 9" x 1/8" x 5/8"-11 Cutting Wheel	9"	1/8"	5/8"-11	27 hub		6,800	5	00436689	00436690

Semi-Flexible Grinding Wheels

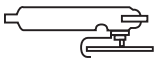
Specifically designed to deliver maximum performance on all nickel alloyed steels, these blades are your best option for stainless steel applications. Expect cool grinding and superior wheel life in the most demanding applications.



Description	Diameter	Thickness	Arbor	Type	Wheel shape	Max rpm	Qty	SP	UP
AG-D 4.5" x 1/8" x 7/8" SF Grinding Wheel	4.5"	1/8"	7/8"	27		13,300	5	00436711	-
AG-D 5" x 1/8" x 7/8" SF Grinding Wheel	5"	1/8"	7/8"	27		12,200	5	00436712	-
AG-D 7" x 1/8" x 7/8" SF Grinding Wheel	7"	1/8"	7/8"	27		8,600	5	00436713	-

Grinding Wheels

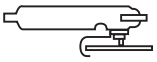
Long lasting wheels for fast material removal in various grinding applications in steel and stainless steel. Hilti grinding wheels are contaminant free.



Description	Diameter	Thickness	Arbor	Type	Wheel shape	Max rpm	Qty	SP	UP
AG-D 4.5" x 1/4" x 7/8" Grinding Wheel	4.5"	1/4"	7/8"	27		13,300	10	00436691	00436692
AG-D 5" x 1/4" x 7/8" Grinding Wheel	5"	1/4"	7/8"	27		12,200	10	00436693	00436694
AG-D 6" x 1/4" x 7/8" Grinding Wheel	6"	1/4"	7/8"	27		10,200	10	00436695	00436696
AG-D 7" x 1/4" x 7/8" Grinding Wheel	7"	1/4"	7/8"	27		8,600	10	00436697	00436698
AG-D 9" x 1/4" x 7/8" Grinding Wheel	9"	1/4"	7/8"	27		6,800	10	00436699	00436700
AG-D 4.5" x 1/4" x 5/8"-11" Grinding Wheel	4.5"	1/4"	5/8"-11	27 hub		13,300	5	00436701	00436702
AG-D 5" x 1/4" x 5/8"-11" Grinding Wheel	5"	1/4"	5/8"-11	27 hub		12,200	5	00436703	00436704
AG-D 6" x 1/4" x 5/8"-11" Grinding Wheel	6"	1/4"	5/8"-11	27 hub		10,200	5	00436705	00436706
AG-D 7" x 1/4" x 5/8"-11" Grinding Wheel	7"	1/4"	5/8"-11	27 hub		8,600	5	00436707	00436708
AG-D 9" x 1/4" x 5/8"-11" Grinding Wheel	9"	1/4"	5/8"-11	27 hub		6,800	5	00436709	00436710

Flap Discs

Grinding and blending is now an easy, one-step operation thanks to Hilti flap discs which allow you to use the same disc for both applications. The result — exceptional cost savings, less sparks and fumes and unmatched performance. Hilti Flap Discs are real productivity boosters.



Description	Diameter	Thickness	Arbor	Type	Wheel shape	Max rpm	Qty	SP	UP
AF-D 4.5" x G40 x 7/8" T29 Flap Disc	4.5"	G40	7/8"	29		13,300	10	00438311	00438312
AF-D 4.5" x G60 x 7/8" T29 Flap Disc	4.5"	G60	7/8"	29		13,300	10	00438313	00438314
AF-D 4.5" x G80 x 7/8" T29 Flap Disc	4.5"	G80	7/8"	29		13,300	10	00438315	00438316
AF-D 5" x G40 x 7/8" T29 Flap Disc	5"	G40	7/8"	29		12,200	10	00438317	00438318
AF-D 5" x G60 x 7/8" T29 Flap Disc	5"	G60	7/8"	29		12,200	10	00438319	00438320
AF-D 5" x G80 x 7/8" T29 Flap Disc	5"	G80	7/8"	29		12,200	10	00438321	00438322
AF-D 4.5" x G40 x 5/8"-11" T29 hub Flap Disc	4.5"	G40	5/8"-11	29 hub		13,300	10	00438323	00438371
AF-D 4.5" x G60 x 5/8"-11" T29 hub Flap Disc	4.5"	G60	5/8"-11	29 hub		13,300	10	00438372	00438373
AF-D 4.5" x G80 x 5/8"-11" T29 hub Flap Disc	4.5"	G80	5/8"-11	29 hub		13,300	10	00438374	00438375
AF-D 5" x G40 x 5/8"-11" T29 hub Flap Disc	5"	G40	5/8"-11	29 hub		12,200	10	00438376	00438377
AF-D 5" x G60 x 5/8"-11" T29 hub Flap Disc	5"	G60	5/8"-11	29 hub		12,200	10	00438378	00438379
AF-D 5" x G80 x 5/8"-11" T29 hub Flap Disc	5"	G80	5/8"-11	29 hub		12,200	10	00438380	00438381
AF-D 4.5" x G40 x 7/8" T27 Flap Disc	4.5"	G40	7/8"	27		13,300	10	00438382	00438383
AF-D 4.5" x G60 x 7/8" T27 Flap Disc	4.5"	G60	7/8"	27		13,300	10	00438384	00438385
AF-D 4.5" x G80 x 7/8" T27 Flap Disc	4.5"	G80	7/8"	27		13,300	10	00438386	00438387
AF-D 5" x G40 x 7/8" T27 Flap Disc	5"	G40	7/8"	27		12,200	10	00438388	00438389
AF-D 5" x G60 x 7/8" T27 Flap Disc	5"	G60	7/8"	27		12,200	10	00438390	00438391
AF-D 5" x G80 x 7/8" T27 Flap Disc	5"	G80	7/8"	27		12,200	10	00438392	00438393
AF-D 4.5" x G40 x 5/8"-11" T27 hub Flap Disc	4.5"	G40	5/8"-11	27 hub		13,300	10	00438394	00438395
AF-D 4.5" x G60 x 5/8"-11" T27 hub Flap Disc	4.5"	G60	5/8"-11	27 hub		13,300	10	00438396	00438397
AF-D 4.5" x G80 x 5/8"-11" T27 hub Flap Disc	4.5"	G80	5/8"-11	27 hub		13,300	10	00438399	00438400
AF-D 5" x G40 x 5/8"-11" T27 hub Flap Disc	5"	G40	5/8"-11	27 hub		12,200	10	00438401	00438402
AF-D 5" x G60 x 5/8"-11" T27 hub Flap Disc	5"	G60	5/8"-11	27 hub		12,200	10	00438403	00438404
AF-D 5" x G80 x 5/8"-11" T27 hub Flap Disc	5"	G80	5/8"-11	27 hub		12,200	10	00438405	00438406

Metal Deck Cutting Blades

Optimized for the Hilti Gas Saw, these blades are designed to cut metal deck. These blades do not contain sulfur, iron or chlorine and won't contaminate stainless steel.

Description	Diameter	Thickness	Arbor	Type	Wheel shape	Max rpm	Qty	SP	UP
AC-D 12" x 5/32" x 20 mm Cutting Blade	12"	5/32"	20mm	1		5,100	10	00436714	00436715
AC-D 12" x 5/32" x 1" Cutting Blade	12"	5/32"	1"	1		5,100	10	00436718	00436719
AC-D 14" x 5/32" x 20 mm Cutting Blade	14"	5/32"	20mm	1		5,500	10	00436716	00436717
AC-D 14" x 5/32" x 1" Cutting Blade	14"	5/32"	1"	1		5,500	10	00436720	00436721

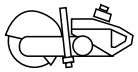
Rebar and Steel Cutting Blades

For cutting rebar and thick steel (beams, profiles, pipe, etc.) with gas or electric saws.

Description	Diameter	Thickness	Arbor	Type	Wheel shape	Max rpm	Qty	SP	UP
AC-D 12" x 5/32" x 20 mm Cutting Blade	12"	5/32"	20mm	1		5,100	10	-	00436722
AC-D 12" x 5/32" x 1" Cutting Blade	12"	5/32"	1"	1		5,100	10	-	00436723
AC-D 14" x 5/32" x 20 mm Cutting Blade	14"	5/32"	20mm	1		5,500	10	-	00436724
AC-D 14" x 5/32" x 1" Cutting Blade	14"	5/32"	1"	1		5,500	10	-	00436725

Ductile Metal Cutting Blades

For cutting cast iron pipe and rebar covered with concrete. These blades are a must for construction jobs.



Description	Diameter	Thickness	Arbor	Type	Wheel shape	Max rpm	Qty	SP	UP
AC-D 12" x 5/32" x 20 mm Cutting Blade	12"	5/32"	20mm	1		5,100	10	-	00436726
AC-D 12" x 5/32" x 1" Cutting Blade	12"	5/32"	1"	1		5,100	10	-	00436727
AC-D 14" x 5/32" x 20 mm Cutting Blade	14"	5/32"	20mm	1		5,500	10	-	00436728
AC-D 14" x 5/32" x 1" Cutting Blade	14"	5/32"	1"	1		5,500	10	-	00436729

Metal Studs Cutting Blades

Our world class chop saw blades are designed to give you maximum life and super fast cuts in metal studs ranging from 12 to 22 gauge. The SP line is a must for MEP contractors who are cutting bundles of strut.

Description	Diameter	Thickness	Arbor	Type	Wheel shape	Max rpm	Qty	SP	UP
AC-D 12" x 3/32" x 1" Cutting Blade	12"	3/32"	1"	1		5,200	10	00436730	00436731
AC-D 14" x 3/32" x 1" Cutting Blade	14"	3/32"	1"	1		5,200	10	00436732	00436733

All-Purpose Steel Cutting Blades

Great for bundle cutting in a variety of material such as rods, rebar, pipes, angle iron and various ferrous material.

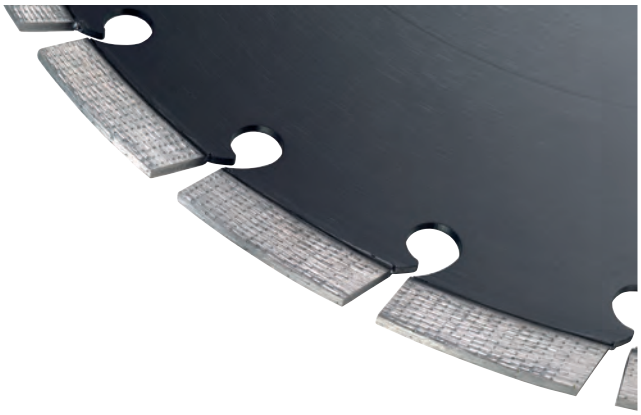
Description	Diameter	Thickness	Arbor	Type	Wheel shape	Max rpm	Qty	SP	UP
AC-D 12" x 3/32" x 1" Cutting Blade	12"	3/32"	1"	1		4,400	10	-	00436734
AC-D 14" x 3/32" x 1" Cutting Blade	14"	3/32"	1"	1		4,400	10	-	00436735

Rail Saw Cutting Blades (fixed)

Great for use on fixed rail saws (not for hand-held saws).

Description	Diameter	Thickness	Arbor	Type	Wheel shape	Max rpm	Qty	SP	UP
AC-D 14" x 1/8" x 1" Cutting Blade	14"	1/8"	1"	1		5,500	10	00436736	00436737
AC-D 16" x 1/8" x 1" Cutting Blade	16"	1/8"	1"	1		4,800	10	00436738	00436739

Equidist — Super Premium Dry Diamond Wheels



Equidist Technology

- Arranged diamond technology to provide exceptional performance
- Cutting speeds up to 50% faster and up to 50% longer life than other super premium blades on the market
- Greater universal application range

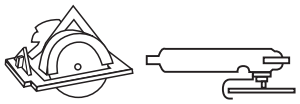
DC-SP Equidist Super Premium (segmented)

Designed for fast cutting and long life in medium to hard base materials — reinforced concrete, cured concrete, concrete block, clay brick.

Description	Diameter	Arbor	Item No. Single Pack	Item No. Package**
DC-D SP-S 4" Dry Diamond Wheel	4"	7/8"/5/8"	02025193	-
DC-D SP-S 4.5" Dry Diamond Wheel	4 1/2"	7/8"/5/8"	02025194	03463610
DC-D SP-S 5" Dry Diamond Wheel	5"	7/8"/5/8"	02025195	03463774
DC-D SP-S 6" Dry Diamond Wheel	6"	7/8"/5/8"	02025196	-
DC-D SP-S 7" Dry Diamond Wheel *	7"	7/8"/Diamond*	02025197	03463782
DC-D SP-S 9" Dry Diamond Wheel	9"	7/8"/5/8"	02025198	-

DC-UP Universal Premium (segmented)

Designed for a variety of concrete and masonry base materials with a good balance of speed and life.

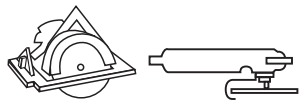


Get a **5 pack** for the price of 4 singles!

Description	Diameter	Arbor	Item No. Single Pack	Item No. 5 Pack	Item No. Package**
DC-D UP-S 4" Dry Diamond Wheel	4"	7/8"/5/8"	02025183	02025167	-
DC-D UP-S 4.5" Dry Diamond Wheel	4 1/2"	7/8"/5/8"	02025184	02025168	03463612
DC-D UP-S 5" Dry Diamond Wheel	5"	7/8"/5/8"	02025185	02025169	03463776
DC-D UP-S 6" Dry Diamond Wheel	6"	7/8"/5/8"	02025186	02025170	03463780
DC-D UP-S 7" Dry Diamond Wheel *	7"	7/8"/Diamond*	02025187	02025171	03463784
DC-D UP-S 9" Dry Diamond Wheel	9"	7/8"/5/8"	02025188	02025172	-

DC-UP Universal Premium (continuous rim turbo)

Designed for clean cutting applications in a variety of concrete and masonry base materials with a good balance of speed and life.



Get a **5 pack** for the price of 4 singles!

Description	Diameter	Arbor	Item No. Single Pack	Item No. 5 Pack	Item No. Package**
DC-D UP-T 4" Dry Diamond Wheel	4"	7/8"/5/8"	02025177	02025161	-
DC-D UP-T 4.5" Dry Diamond Wheel	4 1/2"	7/8"/5/8"	02025178	02025162	03463791
DC-D UP-T 5" Dry Diamond Wheel	5"	7/8"/5/8"	02025179	02025163	03463775
DC-D UP-T 6" Dry Diamond Wheel	6"	7/8"/5/8"	02025180	02025164	03463779
DC-D UP-T 7" Dry Diamond Wheel *	7"	7/8"/Diamond*	02025181	02025165	03463783
DC-D UP-T 9" Dry Diamond Wheel	9"	7/8"/5/8"	02025182	02025166	-

* with diamond knockout, also fits 7/8" and 5/8"arbors.

**Package includes 10 blades and choice of grinder

Tuck Point Wheels

For mortar joint removal and renovation

Super Premium Wheels — General Purpose*

Description	Diameter	Width	Arbor	Qty	Item No.	Item No. Package**
DC-TP SP 4.5" x2 Tuck Point Wheel	4-1/2"	.250"	7/8"	2	00407339	03463800
DC-TP SP 5" x2 Tuck Point Wheel	5"	.250"	7/8"	2	00407340	03464399

Premium Wheels — General Purpose*

Description	Diameter	Width	Arbor	Qty	Item No.	Item No. Package**
DC-TP P 4.5" x2 Tuck Point Wheel	4-1/2"	.250"	7/8"	2	00407335	03463799
DC-TP P 5" x2 Tuck Point Wheel	5"	.250"	7/8"	2	00407336	03464400

Sandwich Blades Wheels — General Purpose*

Description	Diameter	Width	Arbor	Qty	Item No.	Item No. Package**
DC-TP P 4.5" S x2 Sandwich Wheel	4-1/2"	.250"	7/8"	2	00407337	03463801
DC-TP P 5" S x2 Sandwich Wheel	5"	.250"	7/8"	2	00407338	03463802

5

Diamond Cup Wheels — Single Row, Double Row, Turbo Style

Single Row

(fast grinding, heavy material removal, roughening of base material)

Description	Diameter	Arbor	Qty	Item No.	Item No. Package**
DG-CW P 4 SR Diamond Cup Wheel	4"	5/8"-11	1	00407323	-
DG-CW P 4.5 SR Diamond Cup Wheel	4-1/2"	5/8"-11	1	00407324	03463789
DG-CW P 5 SR Diamond Cup Wheel	5"	5/8"-11	1	00407325	03463792
DG-CW P 7 SR Diamond Cup Wheel	7"	5/8"-11	1	00407326	03463795

Double Row

(long life, light material removal, smoothing of base material)

Description	Diameter	Arbor	Qty	Item No.	Item No. Package**
DG-CW SP 4 DR Diamond Cup Wheel	4"	5/8"-11	1	00407327	-
DG-CW SP 4.5 DR Diamond Cup Wheel	4-1/2"	5/8"-11	1	00407328	03463790
DG-CW SP 5 DR Diamond Cup Wheel	5"	5/8"-11	1	00407329	03463793
DG-CW SP 7 DR Diamond Cup Wheel	7"	5/8"-11	1	00407330	03463796

Turbo

(long life, light material removal, fine finish of base material)

Description	Diameter	Arbor	Qty	Item No.	Item No. Package**
DG-CW SP 4 TU Diamond Cup Wheel	4"	5/8"-11	1	00407331	-
DG-CW SP 4.5 TU Diamond Cup Wheel	4-1/2"	5/8"-11	1	00407332	03463791
DG-CW SP 5 TU Diamond Cup Wheel	5"	5/8"-11	1	00407333	03463794
DG-CW SP 7 TU Diamond Cup Wheel	7"	5/8"-11	1	00407334	03463797

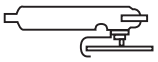
* with diamond knockout, also fits 7/8" and 5/8"arbors

**Package includes 10 wheels and choice of grinder

Premium Wire Finishing Wheels

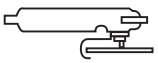
Application		Knotted Cup	Crimped Cup	Full-Cable	Stringer Bead
Deburring	Fine	■	■		
	Coarse			■	■
Edge Blending		■	■		
Weld, Scale Removal		■		■	■
Stringer Bead Weld Prep					■
Surface Finishing		■	■		
Rust Oxide Removal	Fine	■	■		
	Coarse			■	■
Paint Removal		■	■		
Roughening		■	■	■	■
Cleaning		■	■		■
Flash Removal			■	■	
Tool Mark Removal			■	■	
Expansion Joint			■	■	
Narrow Groove Cleaning			■	■	

Knotted Cup Finishing Wheels



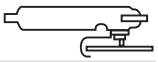
Description	Diameter	Application	Arbor	Wire Size	Max rpm	Qty	Item No
3CS Knotted Cup	3"	Carbon Steel	5/8"-11	.020	12,500	6	00041362
3SS Knotted Cup	3"	Stainless Steel	5/8"-11	.020 SS	12,500	6	00041367
4CS Knotted Cup	4"	Carbon Steel	5/8"-11	.020	8,000	2	00053733

Crimped Cup Finishing Wheels



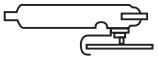
Description	Diameter	Application	Arbor	Wire Size	Max rpm	Qty	Item No
3CS Crimped Cup	3"	Carbon Steel	5/8"-11	.0118	12,500	6	00041363
4CS Crimped Cup	4"	Carbon Steel	5/8"-11	.014	8,000	2	00053736

Full-Cable Twist Finishing Wheels



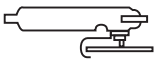
Description	Diameter	Application	Arbor	Wire Size	Max rpm	Qty	Item No
4CS Full Cable	4"	Carbon Steel	5/8"-11	.020	20,000	6	00041365

Stringer Bead Finishing Wheels



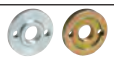
Description	Diameter	Application	Arbor	Wire Size	Max rpm	Qty	Item No
4CS Stringer Bead	4"	Carbon Steel	5/8"-11	.020	20,000	6	00041364
4SS Stringer Bead	4"	Stainless Steel	5/8"-11	.020	20,000	6	00041366

Assortment Kit



Description	Item No.
Finishing Wheel Assortment — Carbon Steel Includes (1) each: 3CS Knotted Cup, 3CS Crimped Cup, 4CS Stringer Bead, 4CS Full Cable Twist	00054106

Accessories and Parts

Description		DAG 450-S	DAG 450-D	DAG 500-D	DCG 500-S	DEG 500-D	DEG 600-D	DEG 600-P	DAG 700-P	DCG 700-P	Item No.
5" Tuck Point Dust Hood For use with 5" angle grinders				■	■	■					00284978
5" Cutting Dust Guard DC-EX 125/5" M For use with 5" and 6" angle grinders (with 4-1/2" or 5" blades only)				■	■	■	■	■			00267720
5" Grinding Dust Guard DG-EX 125/5" For use with 5" and 6" angle grinders (with 4-1/2" or 5" disks only). Guard opens to accommodate applications near a perpendicular surface.				■	■	■	■	■			00267719
Impact-resistant plastic tool box		■	■	■	■	■	■	■			00258282
									■	■	00071749
Supply Cord			■								00363895
		■									00363892
										■	00364569
				■							00093852
						■	■	■			00341302
					■						00341524
									■		00360310
Carbon Brushes		■	■								00363894
				■							00282192
					■	■	■	■			00341528
										■	00341536
									■		00360311
Side Handle		■	■								00393904
				■	■	■	■	■			00282140
									■		00356234
										■	00303546
Cutting Guard		■	■								00393903
				■	■	■					00391496
							■	■			00391499
									■		00360238
										■	00368640
Grinding Guard		■	■								00393901
				■	■	■					00341429
							■	■			00341430
									■		00356231
										■	00364560
Flange kit Inner and Outer Includes spanner wrench and flange kit (inner and outer)				■	■	■	■	■			00244063
										■	00005395
Outer Flange		■	■								00393909
Inner Flange		■	■								00393908
									■		00356233
Wrench		■	■								00393910
									■		00356232

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For tool schematics and parts lists, visit our website under the "Service and Support Center" or contact Customer Service.

Hilti. Outperform. Outlast.

Screw Fastening

Hilti. Outperform. Outlast.

Drywall Screwdrivers

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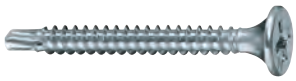
SD 4500-A18 CPC Cordless High Speed Drywall Screwdriver 143
SD 4500-A18 CPC Compact High-Speed Drywall Screwdriver 143
Screwdriver Accessories 144



Drywall Screws

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Metal Screwdrivers

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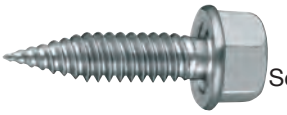

Self-Drilling Screws

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SD 2500 Heavy Duty Drywall Screwdriver

Features and Applications

- First choice for wood-framed projects
- Interior drywall, wood to wood, exterior sheathing; heavy gauge metal framing (10-16 ga) and metal framing (18+ ga)
- Balanced, lightweight design with comfortable grip for superior handling
- Standard 15 foot power cord
- Innovative air outlet helps prevent dust from blowing into operator's face

Technical Data	SD 2500
Voltage	120 V
Rated input	710 W
Nominal current	6.5 A
No load speed	0-2500 rpm
Max. torque	168 in-lb
Dimensions (L x W x H)	11.9 x 2.9 x 6.3 in
Weight	3.3 lb

SD 4500 High Speed Drywall Screwdriver

Features and Applications

- First choice for metal framing projects
- Interior drywall, exterior sheathing and metal framing
- Balanced, lightweight design with comfortable grip for superior handling
- Standard 15 foot power cord, 50 foot and 50 foot twist lock available
- Innovative air outlet helps prevent dust from blowing into operator's face

Technical Data	SD 4500
Voltage	120 V
Rated input	740 W
Nominal current	6.5 A
No load speed	0-4500 rpm
Max. torque	84 in-lb
Dimensions (L x W x H)	11.4 x 2.9 x 6.3 in
Weight	3.1 lb

SD 4500-A18 CPC Compact High Speed Drywall Screwdriver

Features and Applications

- World's first compact cordless drywall screwdriver capable of serial production
- First choice for interior use
- 4,200 rpm for the power to outperform others on the market
- Compact 18 volt lithium ion for ultimate in ergonomics and balance
- The best cordless tool on the market for interior drywall to light-gauge applications

Technical Data	SD 4500-A18 CPC Compact
Voltage	18+ V
No load speed	0-4200 rpm
Chuck	1/4" hex socket with ball notch retention
Lockbutton for constant on	Yes
Quick release chuck	Yes
Silent clutch	Yes
Weight (with battery)	3.9 lb

*Tool body is covered at 1 year No Cost. Some limitations apply. Contact Hilti for details.

SD 4500-A18 CPC High Speed Drywall Screwdriver

Features and Applications

- World's first cordless drywall screwdriver capable of serial production
- First choice for exterior use
- 4,200 rpm for the power to outperform others on the market
- Innovative directional venting helps prevent drywall dust from blowing into operator's face

Technical Data	SD 4500-A18 CPC
Voltage	18+ V
No load speed	0-4200 rpm
Chuck	1/4" hex socket with ball notch retention
Lockbutton for constant on	Yes
Quick release chuck	Yes
Silent clutch	Yes
Weight (with battery)	4.5 lb

*Tool body is covered at 1 year No Cost. Some limitations apply. Contact Hilti for details.

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Order Information

Description	Package Contents	Item No.
SD 2500 Heavy Duty Drywall Screw Driver	Includes tool, 3" magnetic bit holder, Phillips #2 bit, aluminum depth gauge, 15 ft cord and operating instructions in a cardboard box	00285703
SD 4500 Drywall Screwdriver 15 ft Cord	Includes tool, 3" magnetic bit holder, Phillips #2 bit, aluminum depth gauge, 15 ft cord and operating instructions in a cardboard box	00285698
SD 4500 Drywall Screwdriver 50 ft Cord with Twist Lock	Includes tool, 3" magnetic bit holder, Phillips #2 bit, aluminum depth gauge, 50 ft cord with twist lock plug and operating instructions in a cardboard box	00285699
SD 4500 Drywall Screwdriver 50 ft Cord	Includes tool, 3" magnetic bit holder, Phillips #2 bit, aluminum depth gauge, 50 ft cord and operating instructions in a cardboard box	00285700
SD 2500 or SD 4500 w/ SMD 50 Magazine	Includes choice of screwdriver with SMD 50 Magazine	03439762
SD 4500-A18 Compact High Speed Drywall Screwdriver	Includes tool, (2) B 18 C Li-Ion 1.6-Ah CPC batteries, (1) C 4/36 Li-Ion charger and operating instructions in a soft Hilti tool bag	03474878
SD 4500-A18 Compact High-Speed Drywall Screwdriver and SMD 50 Magazine	Includes tool, (2) B 18 C Li-Ion 1.6-Ah CPC batteries, (1) SMD 50 Magazine, (1) C 4/36 Li-Ion charger and operating instructions in a soft Hilti tool bag	03474879
SD 4500-A18 High-Speed Drywall Screwdriver and SMD 50 Magazine	Includes tool, (2) B 18 Li-Ion 3.3-Ah CPC batteries, (1) SMD 50 Magazine, (1) C 4/36 Li-Ion charger and operating instructions in a soft Hilti tool bag	03468904
SD 4500-A18 High Speed Drywall Screwdriver	Includes tool, (2) B 18 Li-Ion 3.3-Ah CPC batteries, (1) C 4/36 Li-Ion charger and operating instructions and choice of soft bag or impact-resistant plastic tool box	03468772

Accessories

Description		SD 2500	SD 4500	SD 4500-A18 CPC	SD 4500-A18 CPC Compact	Item No.
SMD 50 Screw Magazine • Screwdriver magazine for continuous fastening with collated screws • Ideal for exterior sheathing and overhead interior drywall • For use with the SD 2500, SD 4500, SF 4000-A and SD 4500-A18		■	■	■	■	00423035
S-MBL 116 PH2 Insert Bit (3 pack) For use with the SMD 50 and SMD 57 collated screw magazines		■	■	■	■	00281299
S-MBL 116 PH2 Insert Bit (10 pack) For use with the SMD 50 and SMD 57 collated screw magazines		■	■	■	■	00281298
Depth Gauge SMD 50 Replacement depth gauge for both SMD 57 and SMD 50		■	■	■	■	00423242
Cap SMD 50 Replacement cap for SMD 50 and SMD 57 depth guage		■	■	■	■	00387830
SME Screw Magazine Extension Includes extension, S-BH 570 insert bit and side handle		■	■	■	■	00304495
S-BH 570 SME Bit (22 1/2" long) Replacement part for use with SME Screw Magazine Extension		■	■	■	■	00304741
Depth Gauge S-DG-D 11x75 assy Standard 3" depth gauge assembly features longer nose for increased reach in tight applications		■	■			00286504
Depth Gauge S-DG-D 11x50 Shorter 2" depth gauge allows for faster, straighter driving		■	■			00241058
Depth Gauge S-BH 50M Short depth gauge for use with SD 4500-A only (both Industrial and Compact tools)				■	■	00406292
Magnetic Bit Holder (Long/standard — 3 in)		■	■			00257258
Magnetic Bit Holder (Short — 2 in)		■	■	■	■	00257257
#2 PHL TEK Diamond Insert Bits (10 pack) The diamond coating provides resistance to cam out which is ideal for light gauge metal, wood to metal or wood to wood fastening. Not recommended for heavy gauge metal to metal with impact drivers.		■	■	■	■	00384626
#2 PHL Drywall Insert Bits (10 pack)		■	■	■	■	00374703
#2 PHL TEK Insert Bits (10 pack)		■	■	■	■	00374708
Belt Hook		■	■			00240812
SD-A UH Universal Hook Assembly				■	■	00416343
SD-A BH Belt Hook Assembly				■	■	00416340
15' Supply Cord		■	■			00240919
50' Supply Cord			■			00240920
50' Twist Lock Supply Cord			■			00240933

Collated Drywall Screws

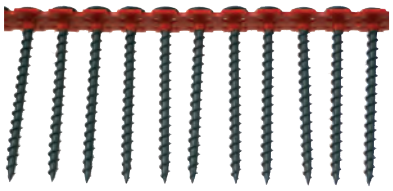
For use with the SMD 50 or SMD 57 Magazine

Fastening drywall to metal profile of 20 ga through 25 ga (sharp point)

Description	Qty	Item No.
6 x 1-1/8" PBH S Collated	1,000	00254805
6 x 1-1/4" PBH S Collated	1,000	00254806
6 x 1-5/8" PBH S Collated	1,000	00254807
6 x 2" PBH S Collated	1,000	00331927

Fastening drywall to metal profiles of 14 ga through 20 ga (self-drilling)

Description	Qty	Item No.
6 x 1-1/8" PBH SD Zinc Collated	1,000	00314645
6 x 1-1/4" PBH SD Zinc Collated	1,000	00314646
6 x 1-5/8" PBH SD Zinc Collated	1,000	00314647
6 x 2" PBH SD Zinc Collated	1,000	00331931



Fastening drywall to wood frame or wood to wood fastenings (sharp point, coarse thread)

Description	Qty	Item No.
6 x 1-1/8" PBH S CRS Collated	1,000	00314640
6 x 1-1/4" PBH S CRS Collated	1,000	00254809
6 x 1-5/8" PBH S CRS Collated	1,000	00254810
6 x 2" PBH S CRS Collated	1,000	00331921
6 x 2" PBH S CRS Collated Kwik Cote	1,000	00331919

- Hilti zinc plated screws conform to ASTM 1941, as tested in accordance with ASTM B117, which requires a minimum zinc coating thickness of 5 microns (0.0002 in)
- All Hilti drywall **sharp point** screws meet or exceed ASTM C1002 requirements
- All Hilti drywall **self-drilling** screws meet or exceed ASTM C954 requirements
- **Kwik Cote** performance of 500 hours, as tested per ASTM B117 for fastening chemically treated lumber such as ACQ and exposed wood to wood
- Screws in magazine strips of 50

★ ★ ★ ★ ★

Hilti is proud to offer screws which are Buy American compliant. Please contact Hilti for pricing. Delivery approximately one (1) week. Items are not returnable.

Drywall Screws

All Hilti drywall sharp point screws meet or exceed ASTM C 1002 requirements

Fastening drywall, untreated plywood, insulation, etc. to metal studs from 20 ga through 25 ga

Decsription	Qty	Item No.
6 x 1" PBH Sharp	10,000	00084297
6 x 1-1/8" PBH Sharp	10,000	00084329
6 x 1-1/4" PBH Sharp	8,000	00084291
6 x 1-5/8" PBH Sharp	5,000	00084323
6 x 2" PBH Sharp	3,500	00084310
6 x 2-1/4" PBH Sharp	3,000	00084311
7 x 2-1/2" PBH Sharp	2,500	00084319
8 x 3" PBH Sharp	2,000	00084328

Fastening drywall to wood studs or metal studs from 20ga to 25ga (High-Low Thread)

Decsription	Qty	Item No.
6 x 1-1/8" PBH Hi-Lo Sharp	10,000	00086198
6 x 1-1/4" PBH Hi-Lo Sharp	8,000	00086199
6 x 1-5/8" PBH Hi-Lo Sharp	5,000	00086200
6 x 2" PBH Hi-Lo Sharp	3,500	00086201
8 x 3" PBH Hi-Lo Sharp	2,000	00086204

Type “G" laminating screw for temporary fastening of drywall to drywall

Decsription	Qty	Item No.
10 x 1-1/2" PBH S Laminating	5,000	00086205

Fastening drywall to woods studs

Decsription	Qty	Item No.
6 x 1" PBH Coarse	10,000	00084325
6 x 1-1/8" PBH Coarse	10,000	00084316
6 x 1-1/4" PBH Coarse	8,000	00084294
6 x 1-5/8" PBH Coarse	5,000	00084307
7 x 2" PBH Coarse	3,500	00084320
7 x 2-1/4" PBH Coarse	3,000	00084295
7 x 2-1/2" PBH Coarse	2,500	00084322
8 x 3" PBH Coarse	2,000	00084317

Fastening drywall, untreated plywood, insulation, etc. to studs from 14 ga through 20 ga

Decsription	Qty	Item No.
6 x 1" PBH SD	10,000	00086211
6 x 1" PBH SD Zinc	10,000	00086212
6 x 1-1/8" PBH SD	10,000	00086213
6 x 1-1/8" PBH SD Zinc	10,000	00086214
6 x 1-1/4" PBH SD	8,000	00084290
6 x 1-1/4" PBH SD Zinc	8,000	00086215
6 x 1-5/8" PBH SD	5,000	00086216
6 x 1-5/8" PBH SD Zinc	5,000	00086217
6 x 1-7/8" PBH SD	4,000	00086218
6 x 1-7/8" PBH SD Zinc	4,000	00086219
8 x 2-3/8" PBH SD	2,500	00086220
8 x 2-3/8" PBH SD Zinc	2,500	00086221
8 x 2-5/8" PBH SD	1,600	00084293
8 x 2-5/8" PBH SD Zinc	1,600	00086222
8 x 3" PBH SD	1,400	00086223
8 x 3" PBH SD Zinc	1,400	00086224

Framing Screws

Fastening stud to track from 20 ga through 25 ga

Decsription	Qty	Item No.
6 x 7/16" PPH Sharp Framer	10,000	00086207
7 x 7/16" PPH Sharp Framer	10,000	00086206
8 x 1/2" PPH Sharp Framer	10,000	00086208

Fastening wire lath to 20 ga through 25 ga studs

Decsription	Qty	Item No.
8 x 1/2" PTH Sharp Lathing Zinc	10,000	00010262
8 x 3/4" PTH Sharp Lathing Zinc	10,000	00010263
8 x 1" PTH Sharp Lathing Zinc	8,000	00010264
8 x 1-1/4" PTH Sharp Lathing Zinc	6,000	00010265

Fastening stud to track from 14 ga through 20 ga

Decsription	Qty	Item No.
7 x 7/16" PPH SD Framer	10,000	00086225
7 x 7/16" PPH SD Framer Zinc	10,000	00086226
10 x 5/8" PPCH SD Framer	7,500	00372756
10 x 3/4" PFTH SD Framer Zinc	7,500	00372761
10 x 3/4" PTH SD Framer Zinc	5,000	00360865

Fastening wire lath to 14 ga through 20 ga studs

Decsription	Qty	Item No.
8 x 1/2" PTH SD Lathing Zinc	10,000	00086228
8 x 3/4" PTH SD Lathing Zinc	10,000	00087145
8 x 1" PTH SD Lathing Zinc	8,000	00086231
8 x 1-1/4" PTH SD Lathing Zinc	6,000	00086232
8 x 1-5/8" PTH SD Lathing Zinc *	4,000	03024053
8 x 1-7/8" PTH SD Lathing Zinc *	3,000	03024054

- Hilti zinc-plated screws conform to ASTM 1941, as tested in accordance with ASTM B117, which requires a minimum zinc coating thickness of 5 microns (0.0002 in)
- Note — For clarification on screw head configurations, see page 152

* Item not returnable

Available by special order in Canada

★ ★ ★ ★ ★

Hilti is proud to offer screws which are Buy American compliant. Please contact Hilti for pricing. Delivery approximately one (1) week. Items are not returnable.

Ceramic Coated Screws

Fastening wood to wood

High resistance to salt water, chemicals, water changes, corrosive gases and chemically treated wood such as ACQ

Description	Thread Length	Qty	Item No.
6 x 1-1/4" PBH S Coarse	1-1/4"	8,000	00010196
6 x 2" PBH S Coarse	1-5/8"	3,500	00010215
8 x 2-1/2" PBH S Coarse	1-5/8"	2,500	00010222
8 x 3" PBH S Coarse	1-5/8"	2,000	00010224

Cement Board Screws

Fastening cement board or chemically treated lumber to wood or metal studs, exterior sheathing (fiberglass-backed gypsum)

Description	Insert Bit	Qty	Item No.
8 x 1-1/4" PW Hi-Lo S Cement Board 20 - 25 ga metal studs, wood studs	#2 PHL Dry	5,000	00372757
9 x 1-5/8" PW Hi-Lo S Cement Board * 20 - 25 ga metal studs, wood studs	#2 PHL Dry	4,000	03024068
9 x 2-1/4" PW Hi-Lo S Cement Board * 20 - 25 ga metal studs, wood studs	#2 PHL Dry	2,500	03024069

Description	Insert Bit	Qty	Item No.
8 x 1-1/4" PWH SD Cement Board 12 - 20 ga metal studs	#2 PHL Dry	5,000	00372759
8 x 1-5/8" PWH SD Cement Board 12 - 20 ga metal studs	#2 PHL Dry	4,000	00372760

Wood Trim and Baseboard Screws

Fastening wood trim and base to 20 ga through 25 ga studs

Decsription	Insert Bit	Qty	Item No.
6 x 2-1/4" SFH Sharp Trim Head	#1 SQDRV	3,000	00084331

Fastening wood trim and base to 14 ga through 20 ga studs

Decsription	Insert Bit	Qty	Item No.
6 x 1-5/8" SFH SD	#1 SQDRV	5,000	00086233
6 x 2-1/4" SFH SD Zinc	#1 SQDRV	3,000	00086236

6

Stand and Deliver

Hilti's innovative mechanical fastening system for attaching steel deck can help you be more productive and more competitive

- **Productivity** — Work upright with collated tools for maximum speed
- **Reliability** — Drive fasteners consistently with easy visual inspection
- **Optimization** — Optimize your decking project design with Hilti Profis 2.0 DF diaphragm design software
- **Ductility** — Designing and installing with mechanical fastening utilizes a system independently proven to outperform welding in seismic events
- **Health and Safety** — Work upright to maintain situational awareness and avoid exposure to welding fumes
- **Appearance** — No burn spots to repair or touch up
- **Code Compliance** — IBC 2006 code compliant solution with full-scale AC43 testing as well as FM and UL approvals. SDI and CSSBI listed.
- **Field Support** — Over 1,000 professional Hilti Account Managers across North America so you can hit the deck running with on site system training
- **Technical Support** — Over 50 Hilti Field Engineers across North America
- **Submittal Support** — Hilti Design Engineers who perform Decking submittals at no charge

To schedule a demonstration or request submittal assistance, contact Hilti at **1-800-879-8000** (US) or **1-800-363-4458** (Canada) or e-mail: **deck@hilti.com.**

ST 1800 Adjustable Torque Screwdriver

Features and Applications

- 18 position adjustable torque clutch reduces fastener overdrive
- Snap on/off adjustable depth nose cone provides consistent screw setting
- Optimized rpm for installing self-drilling screws in steel up to 1/2 in. thick
- Quick release bit holder makes changing bits quick and easy
- When used with SDT extension, the ST 1800 becomes a stand-up tool for decking applications

Technical Data	ST 1800
Voltage	120 V
Rated input	600 W
Nominal current	6.1 A
No load speed	0-1900 rpm
Max. torque	195 in-lb
Adjustable torque	18 positions
Chuck	1/4" hexagon socket with ball-notch retention
Dimensions (L x W x H)	12.1 x 2.8 x 10.4 in
Weight	3.9 lb

ST 1800-A18 Adjustable Torque Screwdriver

NEW!

Features and Applications

- The first cordless metal tapper capable of serial production
- First choice for siding and decking installations
- 18 position adjustable torque clutch reduces fastener overdrive
- On/Off switch with electronic speed control and constant on button for improved run time
- When used with SDT extension, the ST 1800-A18 becomes a cordless stand-up tool for decking applications

Technical Data	ST 1800-A18 CPC
Voltage	18+ V
No load speed	0-2000 rpm
Chuck	1/4" hexagon socket with ball-notch retention
Lock button for constant on	Yes
Adjustable torque	18 positions
Quick release chuck	Yes
Weight (with battery)	5.5 lb

*Tool body is covered at 1 year No Cost. Some limitations apply. Contact Hilti for details.

Hilti. Outperform. Outlast.

SDT 30
Stand Up Decking Tool

Features and Applications

- Use with the ST 1800 or ST 1800-A18 Screwdriver
- Designed specifically for the demands of metal decking applications
- High-speed, high-productivity, upright tool for metal roof deck, floor deck and form deck
- Uses collated screws — load up to 50 screws at a time
- Optimized for sidelaps up to 16 gauge thickness and bar joist up to 3/16 in. thick
- Manufacturer warranty against defects

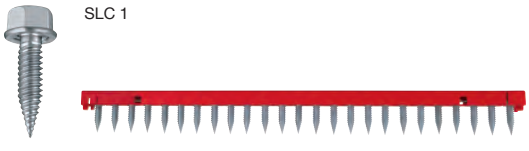
Technical Data	SDT 30
Magazine capacity	50 collated screws
Adjustable torque	18 positions on the ST 1800 or ST 1800-A18
Chuck	1/4" hexagon socket with ball-notch retention
For use with	ST 1800 or ST 1800-A18 Screwdriver

Order Information

Description	Package Contents	Item No.
ST 1800 Metal Construction Screwdriver	Includes tool with depth gauge, 13 ft supply cord and operating instructions in a cardboard box	00378546
ST 1800-A18 Adjustable Torque Screwdriver	Includes tool, (2) B 18 Li-Ion 3.3-Ah CPC batteries, (1) C 4/36-ACS LI TPS charger and operating instructions in a Hilti soft tool bag	03482102
SDT 30 Stand Up Decking Tool	Includes stand up tool, 2 grips, magazine, 3/16", supply cord strain relief clasp and operating instructions	00387785
ST 1800-A18 Adjustable Torque Screwdriver and SDT 30 Stand Up Decking Tool	Includes tool, (2) B 18 3.3 Ah CPC Li-Ion batteries, (1) C 4/36-ACS LI TPS charger, SDT 30 and operating instructions in a Hilti soft tool bag	003482704
ST 1800, SDT 30 and 10,000 SLCs	Includes ST 1800, SDT 30 and choice of 10,000 side lap connectors	03437117
ST 1800, SDT 30 and 25,000 SLCs	Includes ST 1800, SDT 30 and choice of 25,000 side lap connectors	03437118
ST 1800, SDT 30 and 50,000 SLCs	Includes ST 1800, SDT 30 and choice of 50,000 side lap connectors	03437119
ST 1800, SDT 30 and 100,000 SLCs	Includes ST 1800, SDT 30 and choice of 100,000 side lap connectors	03437120

Sidelap Connectors (SLC)

SLC 1



SLC 2

Description	Application	Package Qty	Item No.
S-SLC 01 M MWH Sidelap Connector	For 18, 20, 22, 24, 26 gauge deck	250	00385453
S-SLC 02 M MWH Sidelap Connector	For 16, 18, 20, 22 gauge deck	250	00378973
10-16 x 3/4" M HWH3 Self-Drilling Collated Screw	For 18, 20, 22, 24, 26 gauge deck to bar joist or frame up to 1/8"	250	00378976
12-24 x 7/8" M HWH4 Self-Drilling Collated Screw	For 16, 18, 20, 22 gauge deck to bar joist or frame up to 3/16"	250	00378977

Accessories

Description	SDT 30	Item No.
SDT 30 Magazine For use with the SDT 30 stand-up decking tool	■	00387598
SDT Integrated Driver and Setter —5/16" For use with the SDT 30 stand-up decking tool	■	00423706

SD 2500 Siding Edition

Features and Applications

- First choice for corded handheld metal fastening applications
- 2,500 rpm for high speed installation of screws in metal up to 1/4" thickness
- Adjustable depth gauge for proper driving of self-drilling screws in applications such as siding, metal buildings, window frames and heavy gauge framing
- Superior handling due to a balanced, lightweight design with comfortable grip 15 foot cord is standard

Technical Data	SD 2500
Voltage	120 V
Rated input	710 W
Nominal current	6.5 A
No load speed	0-2500 rpm
Max. torque	168 in-lb
Dimensions (L x W x H)	11.9 x 2.9 x 6.3 in
Weight	3.3 lb

ST 1800-A18 Compact Adjustable Torque Screwdriver

NEW!

Features and Applications

- The first cordless hand held metal screw driver
- First choice for torque sensitive screw driving applications
- Compact 18 volt lithium ion for ultimate in ergonomics and balance
- 18 position adjustable torque clutch reduces fastener overdrive
- On / Off switch with electronic speed control

Technical Data	ST 1800-A18 CPC Compact
Voltage	18+ V
No load speed	0-2000 rpm
Chuck	1/4" hexagon socket with ball-notch retention
Lock button for constant on	Yes
Adjustable torque	18 positions
Quick release chuck	Yes
Weight (with battery)	4.9 lb

*Tool body is covered at 1 year No Cost. Some limitations apply. Contact Hilti for details.

Order Information

Description	Package Contents	Item No.
SD 2500 Siding Edition Screwdriver	Includes tool, 5/16" x 2 9/16" long magnetic nut setter, depth gauge base (threaded bushing assembly), 17mm x 50mm depth gauge and operating instructions in a cardboard box. **Not for use with the SDT 30 Stand Up tool**	03449008
ST 1800-A18 Compact Adjustable Torque Screwdriver	Includes tool, (2) B 18 C Li-Ion 1.6-Ah CPC batteries, (1) C 4/36 Li-Ion charger and operating instructions in a Hilti soft tool bag	03482703

Accessories

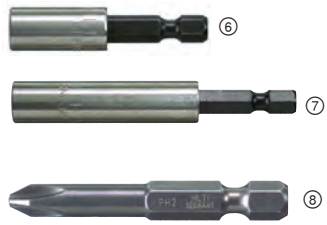
Description		ST 1800	ST 2500	SD 2500 SE	Item No.
ST Depth Gauge 17 mm x 50 mm Medium diameter depth gauge packaged standard with ST 1800, ST 2500, SD 2500 Siding Edition		■	■	■	00347836
Threaded Bushing Assembly Depth gauge base for ST 1800, ST 2500 and SD 2500 Siding Edition		■	■	■	00240489

Insert Bits

Description		Qty	Item No.
#2 PHL Drywall		10	00374703
#2 PHL TEK Diamond Insert Bits The diamond coating provides resistance to cam out which is ideal for light gauge metal, wood to metal or wood to wood fastening. Not recommended for heavy gauge metal to metal with impact drivers.	①	10	00384626
#1 PHL TEK		10	00374706
#2 PHL TEK	②	10	00374708
#3 PHL TEK	③	10	00374711
#2 SQDRV	④	10	00374683
S-B TX 25 Torx Bit		10	00374714
S-B TX 27 Torx Bit		10	00374715
S-MBL 116 PH2 Insert Bit Use with the SMD 50 or SMD 57	⑤	3	00281299
S-MBL 116 PH2 Insert Bit Use with the SMD 50 or SMD 57	⑤	10	00281298

Insert Bit Holders

Description		Qty	Item No.
Magnetic Bit Holder — Short (2")	⑥	1	00257257
Magnetic Bit Holder — Long Standard (3")	⑦	1	00257258
Magnetic Bit Holder — Long Bronze Standard (3")		1	00087102



Power Bits

Description		Qty	Item No.
Power Bit PH #2 x 2" (100 pk)	⑧	1	00084185

Insert Bit Package

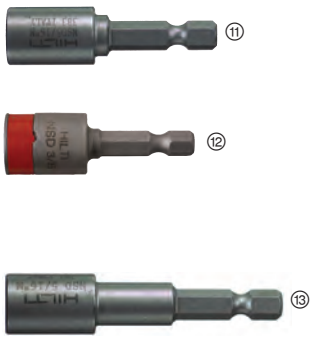
Description		Item No.
Professional Bit Kit Includes magnetic bit holder long, Phillips bits: (3) PH1, (10) PH2, (3) PH3; square bits: (4) SQ1, (7) SQ2; slotted bits: SL6, SL8, SL12 and nut setters: 1/4", 5/16" and 3/8"	⑨	00374632
Insert Bit Pocket Pack Includes magnetic bit holder, Phillips bits: PH1, (2) PH2, PH3; square bits: SQ1, (2) SQ2 and slotted bits: SL6 and SL8	⑩	00344407

Nut Setters

Short (2" length)

- 1/4" setters are for #8 diameter HWH screws, 5/16" setters are for #10 and #12 diameter HWH screws and 3/8" setters are for #14, 1/4" or 5/16" diameter HWH screws

Description		Qty	Item No.
Magnetic Nut Setter 1/4"		1	00374640
Magnetic Nut Setter 5/16"	⑪	1	00374641
Magnetic Nut Setter 3/8"		1	00374642
Red Ring Nut Setter 5/16" Short Non-magnetic design with a ring and bearing to hold the screw — remains clear of metal filings (Will also hold 18/8 stainless steel screws)		1	00308904
Red Ring Nut Setter 3/8" Short Non-magnetic design with a ring and bearing to hold the screw — remains clear of metal (Will also hold 18/8 stainless steel screws)	⑫	1	00308905



Long (2-9/16" length)

Description		Qty	Item No.
Magnetic Nut Setter 5/16"	⑬	1	00084225
Magnetic Nut Setter 3/8"		1	00084227

Screw Fastener Head Configuration Chart

HWH/ HHWH
Hex Washer Head/High Hex Washer Head: Washer face provides a bearing surface for the driving sockets.

PPH
Phillips Pan Head: Conventional head for general applications and provides low profile fastening.

PFH
Phillips Flat Head: Used primarily in wood to countersink and seat flush without splintering the wood.

PWH
Phillips Wafer Head: Large head provides the bearing surface necessary to seat flush in soft materials.

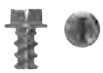
PBH
Phillips Bugle Head: Used primarily for fastening drywall, plywood or insulation because it countersinks well.

PTH
Phillips Modified Truss Head: Large head and low profile used primarily for framing and attaching wire lath.

PPCH
Phillips Pancake Head: Convetional head for general applications and provides low and flat profile.

PFTH
Phillips Flat Truss Head: Lowest profile head available for attaching metal to metal.

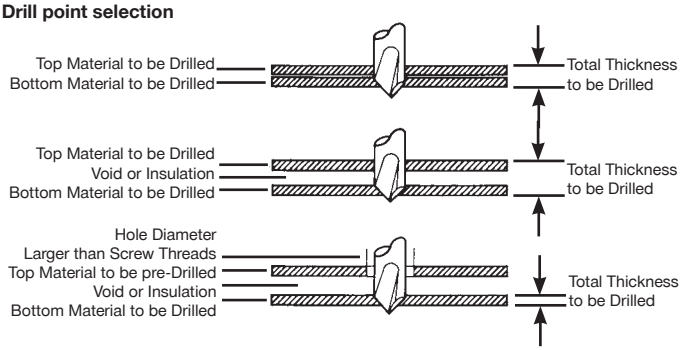
PFHUC
Phillips Flat Head Under Cut: Used for countersinking when a full head taper would cause stand-off of the screw.



SHWH
Slot Hex Washer Head: Hex washer head with slot in center to provide additional drive connection.

Drill Point / Drilling Capacity

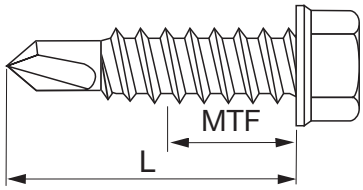
Drill point selection



Self Drilling Screw capacity by point and diameter

Thickness of Material to be Drilled (inches)	#2 Point		#3 Point				#4 Point			#5 Point
.500										
.400										
.300										
.200				.175	.210	.220	.232	.250	.250	
.100	.100	.110	.140							
0.035										
0	#6, #8	#10	#8	#10	#12	1/4	#12 Winged Reamer	*#12	1/4	#12

Length Selection

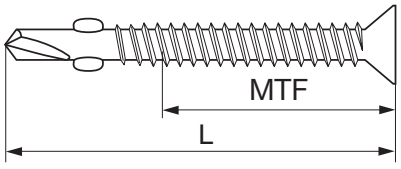


Length of the screw (L)

Depending on the screwhead, there are two different ways to measure the overall length of a screw.

For HWH/HHWH, SHWH, PPCH, PFTH, PTH and PPH screws, the overall length is measured from the bottom of the collar under the head to the point of the screw.

For PWH, PFH, PFHUC and PBH screws, the overall length is measured from the top of the head to the point of the screw.

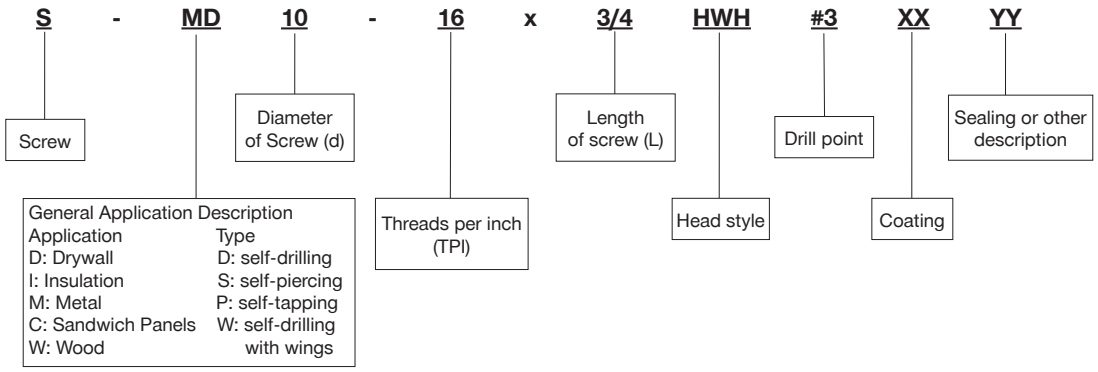


Maximum Thickness Fastened (MTF)

The maximum thickness fastened for all screws is the length of the threads reduced by the first three threads (embedment in the base material). See drawings above.

The maximum thickness fastened (MTF) describes the maximum thickness of the attachments to be secured to the base material.

Screw Selection Nomenclature Guide



Thread selection

Conversion Tables Metal Gauge

Number of Gauge	Aluminum	Sheet Metal
	(Thickness in decimal parts of an inch)	
10	0.1019	0.1345
11	0.0907	0.1196
12	0.0808	0.1046
13	0.0720	0.0897
14	0.0641	0.0747
15	0.0571	0.0673
16	0.0508	0.0598
17	0.0493	0.0538
18	0.0403	0.0478
19	0.0359	0.0418
20	0.0320	0.0359
21	0.0285	0.0329
22	0.0253	0.0299
23	0.0226	0.0269
24	0.0201	0.0239
25	0.0179	0.0209
26	0.0159	0.0179
27	0.0142	0.0164
28	0.0126	0.0149

Decimal Equivalents for Fractions of an Inch

Fraction	Decimal Equivalent
1/64	0.015
1/32	0.031
3/64	0.046
1/16	0.062
5/64	0.078
3/32	0.093
7/64	0.109
1/8	0.125
9/64	0.140
5/32	0.156
11/64	0.171
3/16	0.187
13/64	0.203
7/32	0.218
15/64	0.234
1/4	0.250

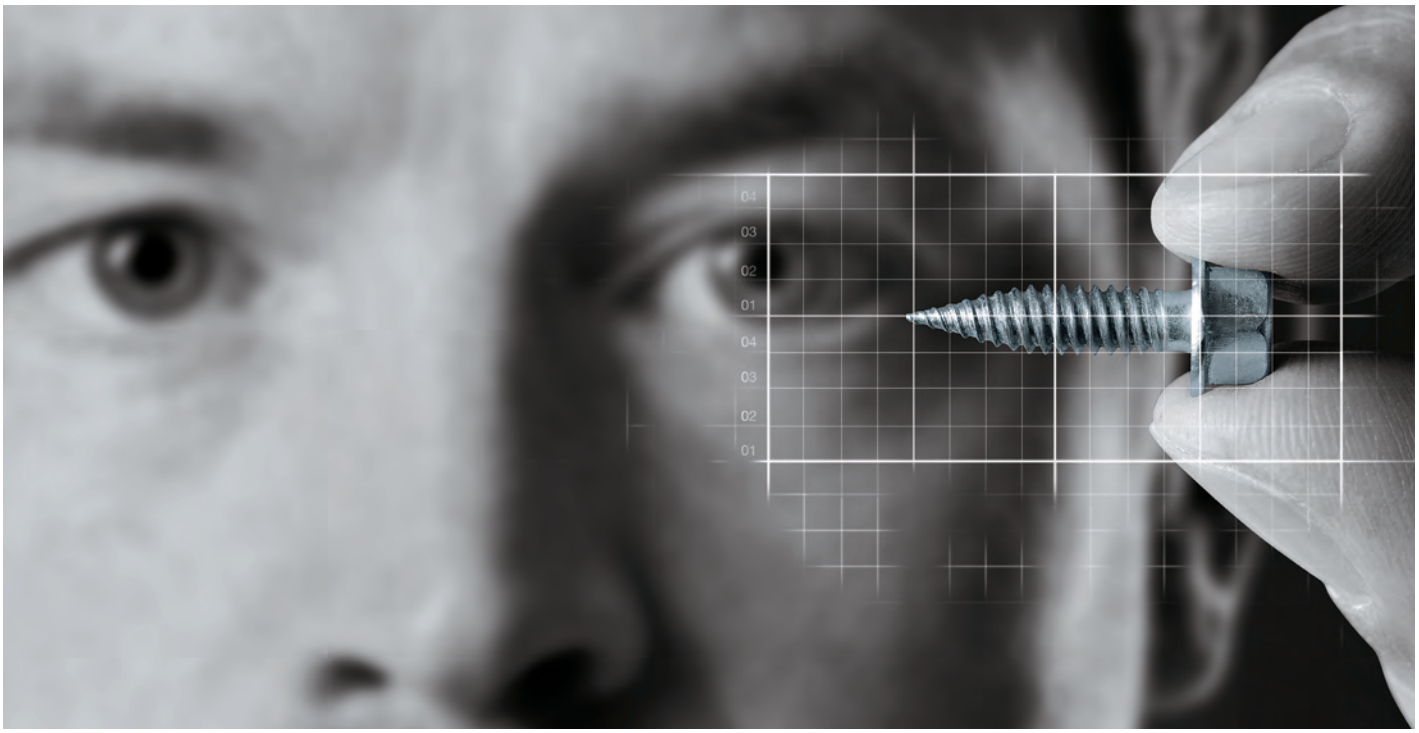
Screw Diameter Equivalents

Screw Diameter	Decimal Equivalent
#6	0.138
#8	0.164
#10	0.190
#12	0.216
#14	0.242
1/4"	0.250

Recommended Installation RPM

Diameter	RPM
#8	2500
#10	
#12	1800
1/4"	
5/16"	1200

6



Hilti. Outperform. Outlast.

Torque Considerations for Screw Fastening Applications

	No depth gauge or torque clutch required	Depth guage or torque clutch required
Applications	These include, but are not limited to, typical applications involving interior drywall fastening, exterior sheathing, metal framing, HVAC duct and plywood to metal.	These include, but are not limited to, typical applications involving metal Decking (both frame and sidelap), metal Siding (both frame and sidelap), exterior façade and window glazing. Any application involving sealing washers requires a depth gauge or torque clutch in order to consistently achieve a proper seal.
Considerations[1]	These applications may not require a corded or cordless screwdriver that features either an adjustable torque clutch or a properly adjusted depth gauge. This is because the applications are considered non-structural and/or possess sufficient redundancy in fastening points that any impact of over-driving may be sufficiently mitigated.	These applications must utilize a corded or cordless screwdriver that features either an adjustable torque clutch or a properly adjusted depth gauge in order to ensure consistent fastening and achieve published connection capacities. This is because the applications are considered structural elements of the design. Over-driving may precipitate a connection failure or a fastener failure possibly compromises the integrity of the building.
Suggested Tools[2]	**Corded:** SD 2500, SD 4500, ST 1800, SD 2500 Siding Edition, SI 100 **Cordless:** SF/H 14, SF/H 18, SD 4500-A, SID 144, SIW 144	**Corded:** SD 2500, SD 4500, ST 1800, SD 2500 Siding Edition **Cordless:** SF/H 14, SF/H 18, ST 1800-A, SD 4500-A

1 Whether an application requires a depth gauge or torque clutch is the judgment of the person responsible for the project. If conditions are unknown or in doubt, use a screwdriver that features either an adjustable torque clutch or a properly adjusted depth gauge.

2 All published screw fastening connection capacities were developed using corded or cordless screwdriver tools with adjustable torque clutches. Over-driving a screw fastener can precipitate a connection failure in lighter gauge and lower strength base materials (the threads tapping the base material are stripped by excessive torque) or a fastener failure in heavier gauge and higher strength base materials (the screw is damaged or sheared by excessive torque).
These types of damage are not always visually detectable. Regardless of the tool or its torque setting, test fastenings should always be performed to verify the appropriate torque is being applied.

For additional information, consult the Hilti Product Technical Guide or contact Hilti Technical Services at 800-879-8000 (US) or 800-363-4458 (Canada)

Clarifying “Low Corrosion Resistant” versus “High Corrosion Resistant”

Low Corrosion Resistant

Low Corrosion Resistant (LCR) applications are defined as environments that do not have special corrosion resistance requirements (i.e.: a non-corrosive environment.) These include typical interior steel framing, drywall installation, sheet metal fastening, untreated plywood installation, etc. Screws used in LCR applications generally feature a basic finish such as black phosphate or zinc electroplate (typically 5 micron thickness).

For complete technical data refer to the Hilti Product Technical Guide or contact Hilti Technical Support.

High Corrosion Resistant

High Corrosion Resistant (HCR) applications are defined as environments that have corrosion resistance requirements. These include exterior applications, pressure- or chemically-treated lumber, corrosive interior environments, and dissimilar metals with moisture present. The level of corrosion resistance of the fastener will depend on the specific application. HCR fasteners typically have a heavy zinc or other organic coating, or are stainless steel. Measures such as Kwik Flex and Bi-Metal technology provide additional resistance to Hydrogen Assisted Stress Corrosion Cracking (HASCC).

For complete technical data refer to the Hilti Product Technical Guide or contact Hilti Technical Support.

HASCC relevant (Hydrogen-Assisted Stress Corrosion Cracking) Screw Fastening Applications

Hydrogen-Assisted Stress Corrosion Cracking (HASCC) is an environmentally induced failure mechanism that is sometimes delayed and most times occurs without warning. HASCC occurs when a hardened steel fastener (such as a standard self-drilling screw) is stressed (loaded) in a service environment which chemically generates hydrogen (e.g., a corrosive environment, such as chemically treated lumber [ACQ], aggressive chemicals, dissimilar metals and/or exposure to moisture). The hydrogen and stress combine to create microscopic cracks in the fastener, which progress until the fastener fails. **For this reason, standard hardened carbon steel fasteners are not recommended for use with dissimilar metals, chemically treated wood when moisture may be present, or in a corrosive environment.**

For general recommendations, review the following table.

For complete corrosion data, refer to the Hilti Product Technical Guide or call Hilti Technical Services at 800-879-8000 (US) or 800-363-4457 (Canada).

	Pressure Treated Lumber	Dissimilar Metals	Corrosive Environments
Description	This includes but is not limited to, the typical attachment of moisture resistant lumber such as ACQ, CA, MCQ or fire retardant lumber. [1]	These include, but are not limited to, the typical attachment of aluminum to steel.	These include, but are not limited to, typical industrial facilities, pharmaceutical plants, food production plants, indoor swimming pools, coastal areas and most outdoor applications.
Corrosion resistant screw fasteners[2]	Within Hilti's current line of screws, this includes the following: Cement Board screws, Ceramic or Kwik Cote wood screws, Wood to Metal self-drilling screws with Kwik Cote finish (with and without wings), Metal to Metal self-drilling screws with Kwik Cote finish.		
Kwik Flex screw fasteners[3]	In addition to the Kwik Cote finish, carbon steel Kwik Flex screws are virtually immune to HASCC due to their differential hardness — the load bearing section of the threads is not hardened.		
Bi-Metal Kwik Flex screw fasteners[4,5]	These screws feature a carbon steel drill tip for maximum drilling performance with an 18/8 grade (302 or 304) stainless steel body and head for maximum corrosion resistance. Bi-Metal Kwik Flex are virtually immune to HASCC. [18/8/2 or 316 grade available by special order]		

1 At the time of publication, there was no standardized set of criteria for claiming a screw fastener is "ACQ compliant".

2 While these screws are highly corrosion resistant, they are carbon steel and hardened along their entire length and therefore susceptible to HASCC. Whether the site-specific conditions may create HASCC must be determined by the responsible person on the project. If conditions are unknown or in doubt, use a HASCC resistant screw fastener.

3 These screws are differentially hardened (HRC 52+ drill tip, HRC 28-34 thread body) which makes them virtually immune to HASCC. They are not any more corrosion resistant to galvanic corrosion (rusting) than fully hardened Kwik Cote screw fasteners.

4 Most 18/0 grades of stainless steels such as 410 stainless steel, 410 super-passivated stainless steel and 400 modified stainless steel are generally considered susceptible to HASCC. Moreover, these grades contain chromium but no nickel which reduces corrosion resistance greatly when compared to 18/8 grades (302, 304) or 18/8/2 grade (316).

5 316 SS (18/8/2 grade) Bi-Metal Kwik Flex screws are available by custom manufacture only and require 3 months of lead time. 6 316 SS (18/8/2 grade) Bi-Metal Kwik Flex screws are available by custom manufacture only and require 3 months of lead time.

The person responsible for the project must evaluate site-specific conditions and render the final decision. If conditions are unknown or in doubt, consider the application to be exposed or highly corrosive. For additional information, consult the Hilti Product Technical Guide or contact Hilti Technical Services at 800-879-8000 (US) or 800-363-4458 (Canada).

High Corrosion Resistant Screws

Kwik Flex Screws

Kwik-Flex: Utilizing an innovative differential hardness technology, Kwik Flex screws are virtually immune to Hydrogen-Assisted Stress Corrosion Cracking (HASCC). Conventional screw fasteners that are fully hardened along their entire length are generally considered susceptible to HASCC.

Kwik Flex advantages include:

- Differential Hardness — Combining a high hardness drill tip (HRC 52+) with a lower hardness thread body (HRC 28-34) gives the Kwik Flex ductility and virtual immunity to embrittlement failures
- Kwik Cote — All Kwik Flex self-drilling screws on this page feature the Kwik Cote finish
- Manufactured in the USA

These fasteners address Hydrogen-Assisted Stress Corrosion Cracking (HASCC) however they are not any more corrosion resistant than Kwik Cote screw fasteners.

Countersinking Head

Description	Maximum Drilling Capacity (in.)	Max Thickness Fastened (MTF) in	Drive	Qty	Status	Item No.
10-24 x 1 1/4" PWH3 KF	0.175"	0.750"	PH2 TEK	5,000	Standard	00010354
12-14 x 1" PFHUC3 KF	0.210"	0.500"	PH2 TEK	4,000	Standard	00010355
12-14 x 1 1/2" PFHUC3 KF *	0.210"	1.000"	PH2 TEK	2,500	Specials	03453798
14-20 x 3" PFHUC4 KF	0.312"	2.375"	PH3	500	Specials	03463595
14-20 x 4" PFHUC4 KF	0.312"	3.375"	PH3	500	Specials	03463596

#10 Diameter

Description	Maximum Drilling Capacity (in.)	Max Thickness Fastened (MTF) in	Drive	Qty	Status	Item No.
S-MD 10-16 x 3/4" PPH3 KF *	0.175"	0.375"	PH2 TEK	6,000	Specials	03409732
S-MD 10-16 x 3/4" HWH3 KF	0.175"	0.375"	5/16"	6,000	Standard	00408123

#12 Diameter HWH

Description	Maximum Drilling Capacity (in.)	Max Thickness Fastened (MTF) in	Drive	Qty	Status	Item No.
S-MD 12-14 x 7/8" HWH3 KF	0.210"	0.470"	5/16"	5,000	Standard	00087572
S-MD 12-14 x 1" HWH3 KF	0.210"	0.500"	5/16"	4,000	Standard	00087646
S-MD 12-14 x 1 1/2" HWH3 KF	0.210"	1.000"	5/16"	2,500	Standard	00087647
S-MD 12-14 x 1 1/2" HWH4 KF	0.312"	0.875"	5/16"	2,500	Standard	00408127
S-MD 12-14 x 2" HWH3 KF	0.210"	1.500"	5/16"	2,000	Standard	00008595
S-MD 12-14 x 3" HWH3 KF *	0.210"	2.500"	5/16"	1,000	Specials	03011177
S-MD 12-24 x 1 3/4" HWH5 KF *	0.500"	0.800"	5/16"	2,500	Specials	03458235

1/4" Diameter HWH

Description	Maximum Drilling Capacity (in.)	Max Thickness Fastened (MTF) in	Drive	Qty	Status	Item No.
S-MD 1/4-14 x 1" HWH3 KF	0.220"	0.450"	3/8"	3,000	Standard	00087648
S-MD 1/4-14 x 1 1/2" HWH3 KF	0.220"	0.950"	3/8"	2,000	Standard	00087649
S-MD 1/4-14 x 2" HWH3 KF	0.220"	1.450"	3/8"	1,500	Standard	00008598
S-MD 1/4-20 x 1 1/8" HWH4 KF *	0.312"	0.500"	3/8"	2,500	Specials	03011203
S-MD 1/4-20 x 1 1/2" HWH4 KF	0.312"	0.830"	3/8"	2,000	Standard	00000451
S-MD 1/4-20 x 1 3/4" HWH5 KF *	0.500"	0.800"	3/8"	1,000	Specials	03458236
S-MD 1/4-20 x 2" HWH4 KF	0.312"	1.330"	3/8"	1,500	Standard	00000452
S-MD 1/4-20 x 2 1/2" HWH4 KF	0.312"	1.830"	3/8"	1,000	Standard	00010436
S-MD 1/4-20 x 3 3/8" HWH4 KF *	0.312"	2.700"	3/8"	500	Specials	03414194
S-MD 1/4-20 x 4" HWH4 KF	0.312"	3.375"	3/8"	500	Specials	03463594

5/16" Diameter

Description	Maximum Drilling Capacity (in.)	Max Thickness Fastened (MTF) in	Drive	Qty	Status	Item No.
H S-MD 5/16"-18 x 1-1/2" HWH3 KF	0.220"	0.850"	3/8"	1,000	Specials	03011230
S-MD 5/16"-24 x 1-1/2" HWH4 KF	0.312"	0.850"	3/8"	1,000	Specials	03006009
S-MD 5/16"-24 x 2" HWH4 KF	0.312"	1.350"	3/8"	1,000	Specials	03432628

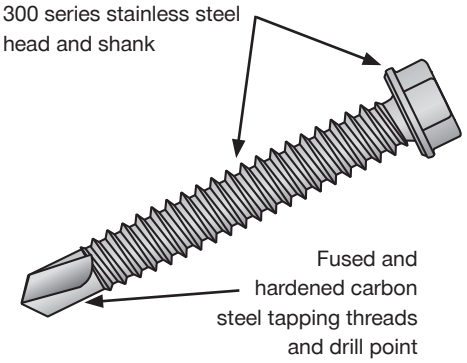
* Contact Hilti Customer Service for pricing and delivery. Items not returnable.

High Corrosion Resistant Screws

Bi-Metal Kwik Flex 302 and 304 Stainless Steel Screws

Features and Applications

- For use in most exposed / wet / coastal / aggressive environments
- Curtain wall / windows / doors / aluminum enclosures / skylights
- Chemically treated wood (such as ACQ) to steel
- Innovative Bi-metal technology for steel and aluminum up to 1/2"
- Fused and hardened steel drill tip for maximum drilling performance
- 302 or 304 stainless shank and head for virtual immunity to HASCC (400 or 410 are fully hardened and generally considered susceptible to HASCC)
- Special multi-step coating combining a basecoat and a topcoat for exceptional corrosion resistance



Countersinking Head — Winged Reamers

Description	Stainless Grade	Maximum Drilling Capacity (in.)	Max Thickness Fastened (MTF) in	Drive	Qty	Status	Item No.
S-WW 10-16 x 1 1/2" PFH #3 BM KF	302	0.140"	0.800"	PH2 TEK	3,500	Specials	03470751
S-WW 12-24 x 2 13/16" PFH #5 BM KF	302	0.500"	1.710"	PH3	1,500	Specials	03470752
S-WW 1/4-20 x 2 13/16" PFH #5 BM KF	302	0.500"	1.710"	PH3	1,000	Specials	03448203

Countersinking Head

Description	Stainless Grade	Maximum Drilling Capacity (in.)	Max Thickness Fastened (MTF) in	Drive	Qty	Status	Item No.
S-WD 12-14 x 1" PFHUC #2 BM KF	302	0.210"	0.500"	PH2 TEK	4,000	Specials	03470773
S-WD 12-14 x 1 1/2" PFHUC #2 BM KF	302	0.210"	1.000"	PH2 TEK	2,500	Specials	03470774
S-WD 1/4-20 x 3" PFHUC #2 BM KF	302	0.210"	2.500"	PH3	500	Specials	03467563
S-WD 1/4-20 x 4" PFHUC #2 BM KF	302	0.210"	3.500"	PH3	500	Specials	03467565

#10 Diameter HWH

Description	Stainless Grade	Maximum Drilling Capacity (in.)	Max Thickness Fastened (MTF) in	Drive	Qty	Status	Item No.
S-MD 10-16 x 3/4" HWH #2 BM KF	304	0.110"	0.320"	5/16"	5,000	Specials	03470776

#12 Diameter HWH

Description	Stainless Grade	Maximum Drilling Capacity (in.)	Max Thickness Fastened (MTF) in	Drive	Qty	Status	Item No.
S-MD 12-14 x 1" HWH #3 BM KF	304	0.210"	0.500"	5/16"	4,000	Specials	03470777
S-MD 12-14 x 1 1/2" HWH #3 BM KF	304	0.210"	1.000"	5/16"	2,500	Specials	03470778
S-MD 12-24 x 2" HWH #5 BM KF	304	0.500"	1.100"	5/16"	2,000	Specials	03470779
S-MD 12-14 x 2 1/2" HWH #3 BM KF	304	0.210"	2.000"	5/16"	1,000	Specials	03448129

1/4" Diameter HWH

Description	Stainless Grade	Maximum Drilling Capacity (in.)	Max Thickness Fastened (MTF) in	Drive	Qty	Status	Item No.
S-MD 1/4-20 x 1" HWH #3 BM KF	304	0.312"	0.500"	3/8"	2,500	Specials	03470780
S-MD 1/4-20 x 1 1/2" HWH #3 BM KF	304	0.312"	1.000"	3/8"	1,000	Specials	03448195
S-MD 1/4-20 x 2" HWH #3 BM KF	304	0.312"	1.500"	3/8"	1,000	Specials	03448196
S-MD 1/4-20 x 2" HWH #5 BM KF	304	0.500"	1.100"	3/8"	1,500	Specials	03470782
S-MD 1/4-20 x 2 1/2" HWH #3 BM KF	304	0.312"	2.000"	3/8"	1,000	Specials	03448197
S-MD 1/4-20 x 3" HWH #3 BM KF	304	0.312"	2.500"	3/8"	500	Specials	03467501
S-MD 1/4-20 x 4" HWH #3 BM KF	304	0.312"	3.500"	3/8"	500	Specials	03467502

Insert Bits

Description		Qty	Item No.
#2 PHL TEK Diamond Insert Bits — Long life The diamond coating provides resistance to cam out which is ideal for light gauge metal, wood to metal or wood to wood fastening. Not recommended for heavy gauge metal to metal with Impact Drivers.	①	10	00384626
#2 PHL TEK	②	10	00374708
#3 PHL TEK	③	10	00374711
Red Ring Nut Setter 5/16" Short*		1	00308904
Red Ring Nut Setter 3/8" Short*	④	1	00308905

* 300 series stainless steel screws will fall out of conventional magnetic setters because the screws are not magnetic. The retaining bearing of the Red Ring Setters holds them for secure driving.

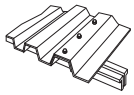
Hilti. Outperform. Outlast.

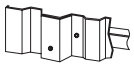
High Corrosion Resistant Screws*

All HCR Self-Drilling screws on this page feature the Kwik Cote finish. Kwik Cote is a unique copolymer coating that provides greater corrosion resistance than zinc or cadmium plating.

Unsupported Metal Sheets — Side Lap: Steel to Steel

For use in exterior overlapping sheets and corner sheets
Note — should be installed with a torque adjustable metal screwdriver such as the ST 1800, ST 1800-A or SFH 18-A





Description	Drilling Capacity (DC) max in	Max Thickness Fastened (MTF) in	Drive	Qty	Item No.
S-MD 14-14 x 7/8" HWH Stitch Kwik Seal	0.110"	5/16" (0.313")	5/16"	2,500	00311619

Light / Medium Gauge Applications: Steel to Steel

For use in attaching brick ties to metal frame, siding, metal buildings and certain HVAC fabrication and installation applications.
Note — should be installed with a torque adjustable metal screwdriver such as the ST 1800, ST 1800-A or SFH 18-A

Description	Maximum Drilling Capacity (in.)	Max Thickness Fastened (MTF) in	Drive	Qty	Item No.
S-MD 12-14 x 3/4" HWH #3 Kwik Seal *	0.210"	1/4" (0.250")	5/16"	3,000	00311620
S-MD 12-14 x 1" HWH #3 Kwik Seal *	0.210"	3/8" (0.375")	5/16"	2,500	00311621
S-MD 12-14 x 1-1/4" HWH #3 Kwik Seal *	0.210"	5/8" (0.625")	5/16"	2,000	00311622
S-MD 12-14 x 1-1/2" HWH #3 Kwik Seal *	0.210"	7/8" (0.875")	5/16"	2,000	00311623
S-MD 12-14 x 2" HWH #3 Kwik Seal *	0.210"	1-3/8" (1.375")	5/16"	1,500	00311624
S-MD 1/4-14 x 1" HWH #3 Kwik Seal *	0.220"	3/8" (0.375")	3/8"	2,000	00311626
S-MD 1/4-14 x 1-1/2" HWH #3 Kwik Seal *	0.220"	7/8" (0.875")	3/8"	1,500	00311627

Heavy Gauge Applications: Steel to Steel

Description	Maximum Drilling Capacity (in.)	Max Thickness Fastened (MTF) in	Drive	Qty	Item No.
S-MD 12-24 x 1-1/4" HWH #5 Kwik Cote	0.500"	1/2" (0.5")	5/16"	4,000	00311615
S-MD 12-24 x 2" HWH #5 Kwik Cote	0.500"	1-3/16" (1.187")	5/16"	2,000	00311617
S-MD 12-24 x 3" HWH #5 Kwik Cote	0.500"	2-3/16" (2.187")	5/16"	1,000	00311618
S-MD 12-24 x 1-1/4" HWH #5 Kwik Cote w/ Bonded Washer	0.500”	5/16” (0.313”)	5/16”	2500	00311628

Accessories

Description	Qty	Item No.
Red Ring 5/16" Nut Setter Short	1	00308904
Red Ring 3/8" Nut Setter Short	1	00308905
Magnetic Nut Setter 1/4" Short	1	00374640
Magnetic Nut Setter 5/16" Short	1	00374641
#2 PHL TEK Diamond Insert Bits	10	00384626
#2 PHL TEK Insert Bits	10	00374708
Magnetic Bit Holder Short (2")	1	00257257
Magnetic Bit Holder Long (3")	1	00257258
Magnetic Bit Holder Long Bronze (3")	1	00087102

* In high corrosion resistance applications where HASCC is also a consideration, Kwik Seal screws can be a suitable solution for one-sided corrosion applications, where the sealing washer prevents exposure to the screw shank.

Low Corrosion Resistant Screws

Heavy Gauge Applications: Steel to Steel

For use in roof deck/floor deck to structural member, panel/Panel clips to structural member, accessories (clips, etc.) to structural members and assembly of multiple layers of metal to steel

Description	Maximum Drilling Capacity (in.)	Max Thickness Fastened (MTF) in	Drive	Qty	Item No.
S-MD 12-24 x 7/8" HWH #4	0.250"	3/8" (0.375")	5/16"	4,500	00311613
S-MD 12-24 x 1-1/4" HWH #4	0.250"	5/8" (0.625")	5/16"	3,500	00311614
S-MD 12-24 x 1-1/4" HWH #5	0.500"	1/2" (0.5")	5/16"	4,000	00311616

Pilot Point Screws: Wood to Steel

For use with untreated plywood to steel framing and fastening metal-backed gypsum sheets. For treated lumber, consider Kwik Flex or Bi-Metal Kwik Flex

Description	Maximum Drilling Capacity (in.)	Max Thickness Fastened (MTF) in	Drive	Qty	Item No.
S-WD 8-18 x 1-5/16" PFH #3 Pilot Point Black	0.140"	1/2" (0.500")	PHL #2	6,000	00311629
S-WD 8-18 x 1-15/16" PFH #3 Pilot Point Black	0.140"	3/4" (0.750")	PHL #2	4,000	00311630

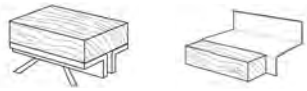
Wafer Head Screws: Wood to Steel

For untreated wood to steel framing and exterior sheathing. For treated lumber, use Kwik Flex or Bi-Metal Kwik Flex.

Description	Maximum Drilling Capacity (in.)	Max Thickness Fastened (MTF) in	Drive	Qty	Item No.
S-WD 10-24 x 1" PWH #3	0.175"	5/8" (0.625")	PHL #2	6,000	00311632
S-WD 10-24 x 1-1/4" PWH #3	0.175"	7/8" (0.875")	PHL #2	5,000	00311633
S-WD 10-24 x 1-1/2" PWH #3	0.175"	1-1/8" (1.125")	PHL #2	3,500	00311634

Winged Reamer Screws: Wood to Steel

Minimum 16 ga base steel required to break wings off — for use in, untreated plywood to steel framing, wood to steel member, 2x4 to steel member and truck trailer flooring. For treated lumber consider Kwik Flex or bi-metal Kwik Flex

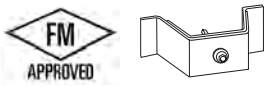


Description	Maximum Drilling Capacity (in.)	Max Thickness Fastened (MTF) in	Drive	Qty	Item No.
S-WW 10-24 x 1-7/16" PWH #3 wings	0.175"	3/4" (0.75")	PHL #2	4,000	00311635
S-WW 12-24 x 2" PFH #4 wings	0.232"	1-1/4" (1.25")	PHL #3	2,000	00311636
S-WW 12-24 x 2-1/2" PFH #4 wings	0.232"	1-5/8" (1.625")	PHL #3	1,500	00311637
S-WW 14-20 x 2-3/4" PFH #4 wings	0.250"	2" (2")	PHL #3	1,000	00311638

Low Corrosion Resistant Screws

Unsupported Metal Sheets — Side Lap: Steel to Steel

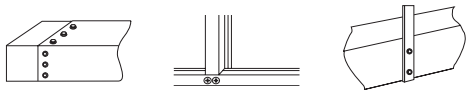
For use in overlapping sheets



Description	Drilling Capacity DC) max in	Max Thickness Fastened (MTF) in	Drive	Qty	Item No.
S-MD 10-16 x 7/8" HHWH Pilot Point	0.100"	3/16" (0.188")	5/16"	6,000	00312011
S-MD 12-14 x 1" HHWH Stitch	0.100"	3/8" (0.375")	5/16"	3,000	00312010

Light Gauge Applications: Steel to Steel

For use in sheet metal fastening, HVAC duct fabrication and installation, accessories (electrical boxes, clips, etc.) to steel, etc. Use PPH head configuration for low profile requirements.



Description	Drilling Capacity (DC) max in	Max Thickness Fastened (MTF) in	Drive	Qty	Item No.
S-MD 8-18 x 1/2" PPH #2	0.100"	1/8" (0.125")	PHL #2	10,000	00311441
S-MD 8-18 x 1/2" HWH #2	0.100"	1/8" (0.125")	1/4"	10,000	00311438
S-MD 8-18 x 3/4" HWH #2	0.100"	3/8" (0.375")	1/4"	10,000	00311439
S-MD 10-16 x 1/2" HWH #2	0.110"	3/16" (0.188")	5/16"	8,500	00311445
S-MD 10-16 x 3/4" HWH #2	0.110"	5/16" (0.313")	5/16"	6,500	00311446
S-MD 10-16 x 1" HWH #2	0.110"	1/2" (0.5")	5/16"	5,000	00311447

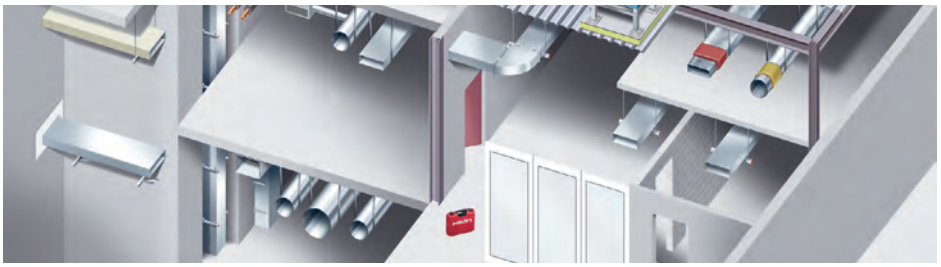
Medium Gauge Applications: Steel to Steel

For use in steel framing, truss or joist fabrication, HVAC duct fabrication and installation, accessories (clips, electrical, etc.) to studs, roof deck to bar joists, etc. Use PPH, PPCH, PFTH or PTH head configurations for low profile requirements.)

Description	Maximum Drilling Capacity (in.)	Max Thickness Fastened (MTF) in	Drive	Qty	Item No.
S-MD 10-16 x 5/8" HWH #3	0.175"	5/16" (0.313")	5/16"	7,500	00311450
S-MD 10-16 x 3/4" HHWH #3 (high head)	0.175"	3/8" (0.375")	5/16"	6,500	00311451
S-MD 10-16 x 3/4" HWH #3 (low-head)	0.175"	3/8" (0.375")	5/16"	6,500	00244212
S-MD 10-16 x 1" HWH #3	0.175"	1/2" (0.5")	5/16"	5,000	00311452
S-MD 10-16 x 1-1/4" HWH #3	0.175"	3/4" (0.75")	5/16"	4,000	00311453
S-MD 10-16 x 1-1/2" HWH #3	0.175"	1" (1")	5/16"	4,000	00311454
S-MD 12-14 x 3/4" HWH #3	0.210"	3/8" (0.375")	5/16"	5,000	00311458
S-MD 12-14 x 1" HWH #3	0.210"	1/2" (0.5")	5/16"	3,000	00311459
S-MD 12-14 x 1-1/2" HWH #3	0.210"	1" (1")	5/16"	2,500	00311460
S-MD 12-14 x 2" HWH #3	0.210"	1-1/2" (1.5")	5/16"	2,000	00311511
S-MD 14-14 x 3/4" HWH #3	0.220"	3/8" (0.375")	3/8"	4,000	00311461
S-MD 14-14 x 1" HWH #3	0.220"	1/2" (0.5")	3/8"	3,000	00311462
S-MD 14-14 x 1-1/2" HWH #3	0.220"	1" (1")	3/8"	2,000	00311463
S-MD 14-14 x 2" HWH #3	0.220"	1-1/2" (1.5")	3/8"	1,000	00311464
S-MD 10-16 x 5/8" PPH #3	0.175"	5/16" (0.313")	PHL #2	7,500	00311455
S-MD 10-16 x 3/4" PPH #3	0.175"	3/8" (0.375")	PHL #2	6,500	00311456
S-DD 10-16 x 5/8" PPCH #3	0.175"	5/16" (0.313")	PHL #2	7,500	00372756
S-DD 10-12 x 3/4" PFTH #3	0.175"	3/8" (0.375")	PHL #2	7,500	00372761
S-DD 10-18 x 3/4" PTH #3	0.175"	3/8" (0.375")	PHL #2	5,000	00360865

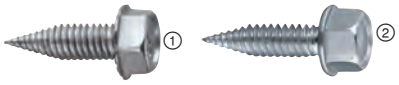
Note — For clarification on screw head configurations, see page 152

HVAC Duct Fabrication and Installation



HWH S-MS Sharp Screws

- Off angle driving: Able to drive up to 30 degrees off perpendicular
- Consistent driving: Helps draw multiple sheets together
- Secure driving: High profile heads minimize slipping out of setter
- Clean driving: Minimizes the metal filings



Description		Gauge Range	Maximum Drilling Capacity	Drive	Qty	Item No.
S-MS 8-18 x 1/2" HWH HVAC Zip Screw (small)	①	20-28	0.072"	1/4"	1,000	00406474
S-MS 8-18 x 1/2" HWH HVAC Zip Screw (bulk)	①	20-28	0.072"	1/4"	10,000	00418613
S-MS 10-12 x 3/4" HHWH HVAC Zip Screw (small)	②	18-26	0.100"	5/16"	1,000	00423252
S-MS 10-12 x 3/4" HHWH HVAC Zip Screw (bulk)	②	18-26	0.100"	5/16"	4,500	00423253

HWH Sharp Screws

- Secure driving: High profile heads minimize slipping out of setter

Description	Gauge Range	Maximum Drilling Capacity	Drive	Qty	Item No.
#7 x 1/2" SHWH Sheet Metal Screw	22-28	0.067"	1/4"	15,000	03024029
#8 x 1/2" SHWH Sheet Metal Screw	22-28	0.067"	1/4"	13,000	00010190
#8 x 3/4" SHWH Sheet Metal Screw	22-28	0.067"	1/4"	10,000	03024373
#8 x 1-1/2" SHWH Sheet Metal Screw	22-28	0.067"	1/4"	5,000	03024062
#8 x 2" SHWH Sheet Metal Screw	22-28	0.067"	1/4"	4,000	03024063
#10 x 3/4" HWH Sheet Metal Screw	20-28	0.072"	5/16"	9,000	00010192
#10 x 3/4" SHWH 1/4" Drive Sheet Metal Screw	20-28	0.072"	1/4"	9,000	03024065
#10 x 1" SHWH Sheet Metal Screw	20-28	0.072"	5/16"	6,000	03024030
#10 x 2" SHWH Sheet Metal Screw	20-28	0.072"	5/16"	3,000	03024066

HWH Self-Drilling Screws

- Secure driving: High profile heads minimize slipping out of setter

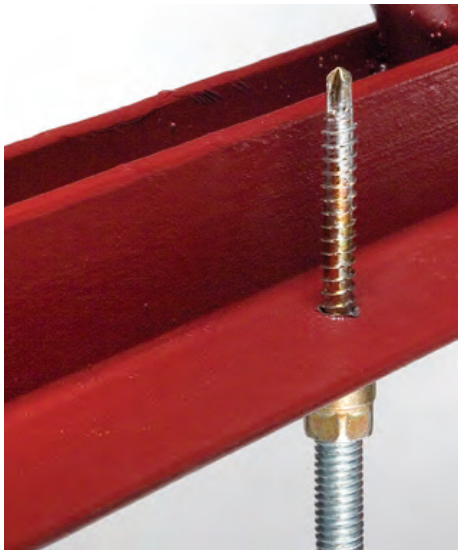
Description	Gauge Range	Maximum Drilling Capacity	Drive	Qty	Item No.
S-MD 8-18 x 1/2" HWH #2	14-20	0.175"	1/4"	1,000	00311438
S-MD 10-16 x 5/8" HWH #3	14-20	0.175"	5/16"	7,500	00311450
S-MD 10-16 x 3/4" HHWH #3	14-20	0.175"	5/16"	6,500	00311451
S-MD 10-16 x 3/4" HWH #3	14-20	0.175"	5/16"	6,500	00244212
S-MD 10-16 x 1" HWH #3	14-20	0.175"	5/16"	5,000	00311452
S-MD 10-16 x 1-1/4" HWH #3	14-20	0.175"	5/16"	4,000	00311453
S-MD 10-16 x 1-1/2" HWH #3	14-20	0.175"	5/16"	4,000	00311454
S-MD 12-14 x 1" HWH #3	12-20	0.210"	5/16"	3,000	00311459

HWH Self-Drilling Kwik Seal Screws*

- Kwik Seal EPDM washer and Kwik Cote high corrosion-resistant coating for exposed applications

Description	Drilling Capacity (DC) min in / (DC) max in		Max Thickness Fastened (MTF) in	Drive	Qty	Item No.
S-MD 12-14 x 3/4" HWH #3 Kwik Seal	0.035"	0.210"	1/4" (0.250")	5/16"	3,000	00311620
S-MD 12-14 x 1" HWH #3 Kwik Seal	0.035"	0.210"	3/8" (0.375")	5/16"	2,500	00311621
S-MD 12-14 x 1-1/4" HWH #3 Kwik Seal	0.035"	0.210"	5/8" (0.625")	5/16"	2,000	00311622
S-MD 12-14 x 1-1/2" HWH #3 Kwik Seal	0.035"	0.210"	7/8" (0.875")	5/16"	2,000	00311623
S-MD 12-14 x 2" HWH #3 Kwik Seal	0.035"	0.210"	1-3/8" (1.375")	5/16"	1,500	00311624
S-MD 14-14 x 1" HWH #3 Kwik Seal	0.110"	0.220"	3/8" (0.375")	3/8"	2,000	00311626
S-MD 14-14 x 1-1/2" HWH #3 Kwik Seal	0.110"	0.220"	7/8" (0.875")	3/8"	1,000	00311627

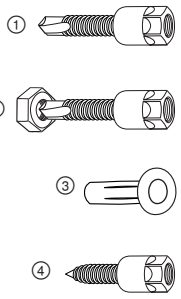
* In high corrosion resistance applications where HASCC is also a consideration, Kwik Seal screws can be a suitable solution for one-sided corrosion applications, where the sealing washer prevents exposure to the screw shank.



Threaded Rod Anchoring Systems: Steel applications[1]

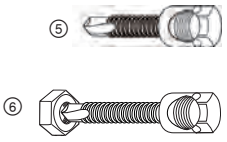
Vertical mount — end-drilled head (50 fasteners/box)

Description		Rod Size	Steel Thickness	UL Pipe Size	UL Steel Thickness	FM Pipe Size	FM Steel Thickness	Item No.
1/4-20 x 1" #3 point	①	3/8-16	.060 – .250	4"	0.125"	4"	12 ga	00424569
1/4-20 x 1" #3 point w/nuts	②	3/8-16	.060 – .250	4"	0.060"	4"	16 ga	00424570
1/4-20 x 1" #3 point	①	1/4-20	.060 – .250	N/A	N/A	N/A	N/A	00431490
1/4-20 x 3" #3 point	①	3/8-16	.060 – .250	N/A	N/A	N/A	N/A	Special*
1/4-20 Collapsing insert[2]	③	14-20	26 ga - .187	N/A	N/A	N/A	N/A	Special*
1/4-20 x 1" Light Gauge	④	3/8-16	26 ga - .187	2.5"	22 ga	4"	12 ga	Special*
1/4-20 x 1" Light Gauge	④	3/8-16	26 ga - .187	3.5"	18 ga	4"	12 ga	Special*
1/4-20 x 1" Light Gauge	④	3/8-16	26 ga - .187	4"	16 ga	4"	12 ga	Special*



Horizontal mount — cross-drilled head (50 fasteners/box)

Description		Rod Size	Steel Thickness	UL Pipe Size	UL Steel Thickness	FM Pipe Size	FM Steel Thickness	Item No.
1/4-20 x 1" #3 point	⑤	1/4-20	.060 – .250	N/A	N/A	N/A	N/A	Special*
1/4-20 x 1" #2 point	⑤	3/8-16	.060 – .125	N/A	N/A	N/A	N/A	Special*
1/4-20 x 1" #3 point w/nuts	⑥	3/8-16	.060 – .250	4"	0.060"	4"	16 ga	Special*
1/4-20 x 1-1/2" #5 point w/nuts	⑥	3/8-16	.060 – .500	4"	0.060"	4"	16 ga	Special*



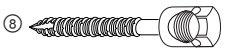
Threaded Rod Anchoring System: Wood applications[1]

Vertical mount — end-drilled head (50 fasteners/box)

Description		Rod Size	UL Pipe Size	FM Pipe Size	Item No.
5/16 x 2-1/4"	⑦	1/4-20	N/A	N/A	Special*
5/16 x 2-1/4"	⑦	3/8-16	4"	4"	00424576
5/16 x 3"	⑦	3/8-16	4"	4"	Special*

Horizontal mount — cross-drilled head (50 fasteners/box)

Description		Rod Size	UL Pipe Size	FM Pipe Size	Item No.
5/16 x 2-1/4"	⑧	1/4-20	N/A	N/A	Special*
5/16 x 2-1/4"	⑧	3/8-16	3-1/2"	N/A	00424578



*Item not returnable

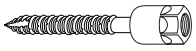
1 **Installation in Steel or Wood Applications**
Use Item #00424582 drive socket. Hex drive will automatically disengage when anchor is seated.

2 Collapsing insert can be used alone to install 1/4-20 threaded components or with 1/4-20 x 1" light guage hangers to install 3/8-16 threaded components

Threaded Rod Anchoring System: Concrete applications[3]

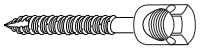
Vertical mount — end-drilled head (50 fasteners/box)

Description		Rod Size	UL Pipe Size	FM Pipe Size	Item No.
5/16 x 2-1/4"	⑨	1/4-20	N/A	N/A	00424579
5/16 x 2-1/4"	⑨	3/8-16	N/A	4"	00424580

⑨ 

Horizontal mount — cross-drilled head (50 fasteners/box)

Description		Rod Size	UL Pipe Size	FM Pipe Size	Item No.
5/16 x 2-1/4"	⑩	1/4-20	N/A	N/A	Special*
5/16 x 2-1/4"	⑩	3/8-16	N/A	4"	Special*

⑩ 

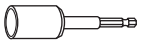
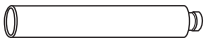
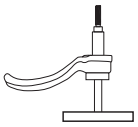
Threaded Rod Anchoring System: All materials[4]

Adapter — 3/8" to 1/2"

Description		Rod Size	UL Pipe Size	FM Pipe Size	Item No.
Adaptor for hanging 1/2" rod from 3/8" threaded rod hangers	⑪	1/2"	N/A	N/A	Special*

⑪

Installation Accessories

Description	Item No.
Drive Socket Drive Socket for wood and steel threaded rod hangers 	00424582
Drive Sleeve Drive Sleeve for concrete threaded rod hangers 	00424583
ANSI 1/4" SDS Drill Bit for Rotary Hammer Drills	00424586
ANSI 7/32" SDS Drill Bit for Rotary Hammer Drills For installing light guage threaded rod anchors	Special*
Light gauge Threaded Rod Anchor Installation Tool 	Special*

*Item not returnable

3 **Installation into Concrete/Masonry Applications**
Use SDS bit (00424586). Drill hole, then slide concrete drive socket (00424583) over bit and onto hex. Insert anchor into socket and install.

4 Simply install any 3/8" threaded rod anchor as required, then thread adapter into it. Use of adaptor does not increase performance value of 3/8" HangerMate anchor. Check corresponding 3/8" anchor spec sheet for load-carrying capacity and add appropriate safety factor.

Direct Fastening Systems

Hilti. Outperform. Outlast.

General Purpose

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Hilti. Outperform. Outlast.

DX 460 MX Fully Automatic Powder-Actuated

Features and Applications

- The ultimate solution for fastening materials from drywall track to 2x4s, as well as suspended ceiling applications, insulation and grating to concrete and steel
- Fully automatic cartridge advance and piston return system gives you a higher fastening rate without manually cycling the tool
- Magazine accessory allows for increased productivity using collated strips of 10 fasteners
- Optional narrow-access baseplate for single fastening applications using fasteners with pre-mounted steel washers

Technical Data	DX 460 MX
Fastener range	1/2 in - 2-7/8 in
Power source	Hilti .27 caliber short in plastic strips of 10
Piston bore	8 mm
Approvals	Meets ANSI standard A 10.3 and OSHA requirements for low velocity tools
Dimensions (L x W x H)	18.22 x 2.36 x 7.87 in
Weight	7.78 lb

DX 36 Semi-Automatic Powder-Actuated

Features and Applications

- Cartridge power regulator provides variable power for accurate fastenings
- Durable construction with proven dependability
- Semi-automatic cartridge advance and piston return

Technical Data	DX 36
Fastener range	1/2 in - 2-7/8 in
Power source	Hilti .27 caliber short in plastic strips of 10
Piston bore	8 mm
Approvals	Meets ANSI standard A 10.3 and OSHA requirements for low velocity tools
Dimensions (L x W x H)	15.4 x 1.9 x 6 in
Weight	5.3 lb

DX E72 Single-Cartridge Powder-Actuated

Features and Applications

- Automatic cartridge ejection
- Padded grip for operator comfort
- Tough, durable, high-density polymer construction

Technical Data	DX E72
Fastener range	1/2 in - 2-7/8 in
Power source	Hilti .22 caliber single
Piston bore	8 mm
Approvals	Meets ANSI standard A 10.3 and OSHA requirements for low velocity tools
Dimensions (L x W x H)	15.0 x 1.8 x 6.0 in
Weight	4.5 lb

Order Information

Description	Package Contents	Item No.
DX 460-MX Powder-Actuated Tool	Includes tool, MX72 magazine, cleaning kit, ear protectors, safety glasses, Hilti spray lubricant and operating instructions in an impact-resistant plastic tool box	00370448
DX 460-F8 Powder-Actuated Tool	Includes tool, single fastener guide, cleaning kit, ear protectors, safety glasses, Hilti spray lubricant, rubber tool stabilizer and operating instructions in an impact-resistant plastic tool box	00305179
DX 460 with Magazine and Single Fastener Guide	Includes tool, single fastener guide, MX72 magazine, cleaning kit, ear protectors, safety glasses, washer holder, Hilti spray lubricant and operating instructions in an impact-resistant plastic tool box	00244222
DX 36 Powder-Actuated Tool	Includes tool, safety glasses, cleaning kit, Hilti spray lubricant, rubber tool stabilizer and operating instructions in an impact-resistant plastic tool box	00384033
DX E72 Powder-Actuated Tool	Includes tool, spare parts package: ejection rod, rubber stabilizer, cleaning kit, Hilti spray lubricant, safety glasses and operating instructions in an impact-resistant plastic tool box	00001092

Accessories

Description		DX 460-MX	DX 460-F8	DX 36	DX E72	Item No.
X-460-F8 Fastener Guide		■	■			00304529
X-460-F8CW Fastener Guide Replacement fastener guide for DX 460 tool converts the DX 460 for use with Hilti X-C ceiling wire assemblies. No piston change required.		■	■			00419209
X-460-P8 Piston		■	■			00373297
X-460-P8W Piston Tapered piston end for wood to concrete fastenings		■	■			00373298
X-MX72 Magazine		■	■			00370844
X-SGF Stabilizer DX 460/DX 351 Single baseplate tools only		■	■			00304416
X-460-B Buffer		■	■			00373330
36/S13 Baseplate				■		00003738
36/DNN Piston				■		00409313
36/F3 Fastener Guide				■		00003737
DX 36 Stop Must also order Stop Deflection Spring (00003758)				■		00003701
DX 36 Spring Clip				■		00003739
DX 36 Stabilizer				■		00002214
DX E72 Stop Ring					■	00001095
DX E72 Piston					■	00409314
DX E72 Fastener Guide					■	00001086
DX E72 Stabilizer					■	00001089

7

GX 120 Fully Automatic Gas-Actuated

Features and Applications

- No battery to charge
- LED gas gauge helps avoid running out of gas unexpectedly
- Reliable electronic gas injection system for consistent fastening
- Versatile, fastening system maintains high performance over a wide range of temperatures
- Slim, streamlined design for easy access even in tight corners and narrow tracks

Technical Data	GX 120
Fastener range	1/2 in - 1-1/2 in
Power source	GC 22 (gas canister)
Magazine capacity	40 collated fasteners
Dimensions (L x W x H)	17 x 5-1/4 x 15-1/2 in
Weight	8.41 lb

DX 351 Fully Automatic Powder-Actuated

Features and Applications

- Adjustable power regulation for optimal control of fastener settings
- Automatic piston return and cartridge advance
- Can be used with X-MX 32 magazine or converted for use with single fastener guide
- Pole tool available for overhead applications

Technical Data	DX 351
Fastener range	Single baseplate: 1/2 in - 1-7/8 in With magazine 1/2 in - 1-1/4 in
Power source	Hilti .27 caliber short in plastic strips of 10
Piston bore	8 mm
Approvals	Meets ANSI standard A 10.3 and OSHA requirements for low velocity tools
Dimensions (L x W x H)	16 x 2 x 6.25 in
Weight	5 lb

DX 351-CT Fully Automatic Powder-Actuated

Features and Applications

- Specially designed tool for ceiling wire fastening applications
- Optimized fastener guide for new X-CW ceiling wires
- Gravitation safety device improves user safety

Technical Data	DX 351-CT
Fastener range	Max. 1-1/4 in
Fasteners	X-CW, X-CC27
Power source	Hilti .27 caliber short in plastic strips of 10
Piston bore	8 mm
Approvals	Meets ANSI standard A 10.3 and OSHA requirements for low velocity tools
Dimensions (L x W x H)	20.6 x 2 x 6.25 in
Weight	6 lb

DX 35 Semi-Automatic Powder-Actuated

Features and Applications

- Specially designed for drywall and acoustical applications
- Semi-automatic cartridge advance
- Pole tool available for overhead work

Technical Data	DX 35
Fastener range	1/2 in - 1-1/2 in
Power source	Hilti .25 caliber short in plastic strips of 10
Piston bore	8 mm
Approvals	Meets ANSI standard A 10.3 and OSHA requirements for low velocity tools
Dimensions (L x W x H)	11.25 x 1.8 x 5.6 in
Weight	4.25 lb

Order Information

Description	Package Contents	Item No.
GX 120 Gas-Actuated Tool	Includes tool, detachable support leg, tool support, nail punch set, ear protectors, safety glasses, cleaning cloth and operating instructions in an impact-resistant plastic toolbox	00274638
DX 351-ME Powder-Actuated Tool	Includes tool, safety glasses, cleaning kit, Hilti spray lubricant and operating instructions in an impact-resistant plastic tool box	00373103
DX 351 Powder-Actuated Tool with X-MX 32 Magazine	Includes tool with magazine, safety glasses, cleaning kit, Hilti spray lubricant and operating instructions in an impact-resistant plastic tool box	00374308
DX 351 with Magazine and Single Fastener Guide	Includes tool with magazine, single fastener guide, safety glasses, cleaning kit, Hilti spray lubricant and operating instructions in an impact-resistant plastic tool box	03469348
DX 351-CT Powder-Actuated Tool Combo Standard	Includes tool and operating instructions in an impact-resistant plastic tool box, plus X-PT CT-351 grip section and X-PT CT-351 3 ft. extension tube	03442190
DX 351-CT Powder-Actuated Tool Combo Plus	Includes tool and operating instructions in an impact-resistant plastic tool box, plus X-PT CT-351 grip section, X-PT CT-351 3 ft. extension tube, X-PT CT-351 1 ft. extension tube and X-PT CT soft pouch	03442191
DX 35 Powder-Actuated Tool	Includes tool, spare parts package, rubber stabilizer, cleaning kit, Hilti spray lubricant, safety glasses and operating instructions in an impact-resistant plastic tool box	00002506

DX 351-CT Accessories

Description		Item No.
Grip Section X-PT CT-351		00387439
Extension Tube X-PT CT-351 3 ft		00387440
Extension Tube X-PT CT-351 1 ft		00387441
Storage Bag X-PT CT		00388152
Piston X-P8-351 CT Replacement/repair piston for DX 351-CT tool. Also use with X-351-F8 CT Fastener Guide (00362173) to modify DX 351 for use with Hilti X-C Ceiling Wire assemblies		00360141

Convert existing tools for the highest performance and productivity in ceiling wire applications

Description		Item No.
Fastener Guide X-351-F8 CT Replacement/repair Fastener Guide for DX 351-CT tool. Also use with X-P8-351 CT Piston (00360141) to modify DX 351 for use with Hilti X-C Ceiling Wire assemblies		00362173
Fastener Guide X-35-F8CW Replacement fastener guide for DX 35 tool converts the DX 35 for use with Hilti X-C ceiling wire assemblies. No piston change required.		00419208
Fastener Guide X-460-F8CW Replacement fastener guide for DX 460 tool converts the DX 460 for use with Hilti X-C ceiling wire assemblies. No piston change required.		00419209

Accessories

Description		GX 120	DX 35	DX 351	Item No.
GC 22 Gas Canister		■			00038867
X-120-GM40 Fastener Magazine Magazine capacity: 40 fasteners		■			00388797
X-120-GM20 Fastener Magazine Magazine capacity: 20 fasteners		■			00388798
X-120-SL Support Leg		■			00039550
X-120-TS Tool Support		■			00039548
X-120 PHP Platon Plug Adapter		■			00039545
X-120 PHD Delta™ FAST®ner Adapter		■			00039540
X-120-TN Nosepiece		■			00039535
X-120-ME-TN Nosepiece (for use with specialty clips)		■			00039536
X-120-WH Magnetic Washer Holder		■			00039619
21/SDF Piston			■		00409298
21/S2 Baseplate (Narrow access)			■		00002557
21/F2-1 Fastener Guide (Narrow access)			■		00002553
Shear Clip			■		00002162
DX 35 Stabilizer			■		00002555
Stop			■		00002525
X-MX 32 Magazine				■	00339474
X-FG8ME-351 Fastener Guide				■	00362174
X-P8S-351 Piston				■	00406929
X-SGF Stabilizer DX 460 and DX 351 single fastener guide tools only				■	00304416

GX 120-ME Fully Automatic Gas-Actuated

Features and Applications

- Gas powered tool is the ultimate in mobility with no battery to charge
- Slim, streamlined design for easy access close to walls or in corners
- Reliable electronic gas injection system for consistent fastening
- Easily adjustable tool nose with one lever for optimum fastening quality
- Tool support leg for easier straight positioning and fastening quality

Technical Data	GX 120-ME
Fastener range	1/2 in - 1-1/2 in
Power source	Gas can for 750 fasteners
Magazine capacity	20 fasteners
Dimensions (L x W x H)	17 x 5-1/4 x 15-1/2 in
Weight	8.41 lb

DX 351-ME Fully Automatic Powder-Actuated

Features and Applications

- Adjustable power regulation for optimal control of fastener settings
- Automatic piston return and cartridge advance
- Can be used with the single fastener guide (as shown) or converted for use with X-MX 32 magazine
- Pole tool available for overhead applications

Technical Data	DX 351-ME
Fastener range	Single baseplate: 1/2 in - 1-7/8 in With magazine 1/2 in - 1-1/4 in
Power source	Hilti .27 caliber short in plastic strips of 10
Piston bore	8 mm
Approvals	Meets ANSI standard A 10.3 and OSHA requirements for low velocity tools
Dimensions (L x W x H)	16 x 2 x 6.25 in
Weight	5 lb

7

Order Information

Description	Package Contents	Item No.
GX 120-ME Gas-Actuated System	Includes tool, detachable leg support, tool support, fastener pouch set, ear protectors, safety glasses, cleaning cloth and operating instructions in an impact-resistant plastic tool box	00274898
DX 351-ME Powder-Actuated Tool	Includes tool, rubber stabilizer, safety glasses, cleaning kit, Hilti spray lubricant and operating instructions in an impact-resistant plastic tool box	00373103
DX 351 Powder-Actuated Tool with X-MX 32 Magazine	Includes tool with magazine, safety glasses, cleaning kit, Hilti spray lubricant and operating instructions in an impact-resistant plastic tool box	00374308
DX 351 with Magazine and Single Fastener Guide	Includes tool with magazine, single fastener guide, safety glasses, cleaning kit, Hilti spray lubricant and operating instructions in an impact-resistant plastic tool box	03469348
DX 351-CT Combo Standard Powder-Actuated Tool	Includes tool and operating instructions in an impact-resistant plastic tool box, plus X-PT CT-351 grip section and X-PT CT-351 3 ft. extension tube	03442190

For conduit and cable fasteners — see pages 190–191

DX 460-F10 Fully Automatic Powder-Actuated

Features and Applications

- For medium duty applications requiring 3/8" (10 mm) threaded studs and 3/8" (10 mm) head diameter fasteners
- Automatic piston return and cartridge advance
- Good choice for sprinkler applications and perimeter wall attachment to either concrete or steel

Technical Data	DX 460-F10
Fastener range	All EWH10/W10 3/8" threaded studs; DS fasteners 3/4 in - 2-1/2 in
Power source	Hilti .27 caliber short in plastic strips of 10
Piston bore	10 mm
Approvals	Meets ANSI standard A 10.3 and OSHA requirements for low velocity tools
Dimensions (L x W x H)	18.11 x 2.36 x 7.87 in
Weight	7.27 lb

DX 600N Heavy-Duty Single Cartridge Powder-Actuated

Features and Applications

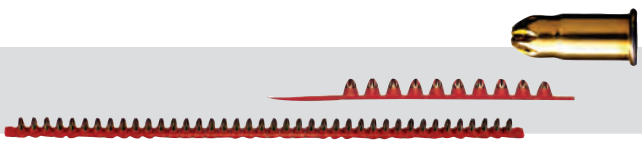
- Excellent for sprinkler application
- Stop spall reduces concrete spalling

Technical Data	DX 600N
Fastener range	All EWH10/W10 3/8" threaded studs; DS fasteners 3/4 in - 2-1/2 in
Power source	Hilti .27 caliber long, single cartridge
Piston bore	10 mm
Approvals	Meets ANSI standard A 10.3 and OSHA requirements for low velocity tools
Dimensions (L x W x H)	14.5 x 4 x 6.5 in
Weight	10.9 lb

Order Information

Description	Package Contents	Item No.
DX 460-F10 Powder-Actuated Tool	Includes tool, F10 fastener guide, rubber stabilizer, cleaning kit, ear protectors, safety glasses, Hilti spray lubricant and operating instructions in an impact-resistant plastic tool box	00304386
DX 600N Powder-Actuated Tool	Includes tool, cleaning kit, ramrod, ramrod chain, Hilti spray lubricant, stop spall stabilizer 6N/S4, guide 6N/F2, piston 6N/DS, safety glasses, selector chart and operating instructions in an impact-resistant plastic tool box	00006059

Complete cartridge offering — see page 197



Accessories

Description		GX 120-ME	DX 351	DX 460-F10	DX 600-N	Item No.
X-120-GM40 Fastener Magazine Magazine capacity: 40 fasteners		■				00388797
X-120-GM20 Fastener Magazine Magazine capacity: 20 fasteners		■				00388798
X-120-SL Support Leg		■				00039550
X-120-TS Tool Support		■				00039548
X-120 PHP Platon Plug Adapter		■				00039545
X-120 PHD Delta™ FAST®ner Adapter		■				00039540
X-120-ME TN Nosepiece		■				00039536
X-120-WH Magnetic Washer Holder		■				00039619
X-MX 32 Magazine			■			00339474
X-FG8ME-351 Fastener Guide			■			00362174
X-P8S-351 Piston			■			00406929
X-460-F10 Fastener Guide				■		00373319
X-460-P10 Piston				■		00373300
X-460-B Buffer				■		00373330
6N/DS Piston 10 mm piston					■	00409275
6N/F2 Fastener Guide 10 mm fastener guide. Use piston 6N/DS.					■	00006412
DX 600N Stop Ring					■	00006188

7

Stand and Deliver

Hilti's innovative mechanical fastening system for attaching steel deck can help you be more productive and more competitive

- **Productivity** — Work upright with collated tools for maximum speed
- **Reliability** — Drive fasteners consistently with easy visual inspection
- **Optimization** — Optimize your decking project design with Hilti Profis 2.0 DF diaphragm design software
- **Ductility** — Designing and installing with mechanical fastening utilizes a system independently proven to outperform welding in seismic events
- **Health and Safety** — Work upright to maintain situational awareness and avoid exposure to welding fumes
- **Appearance** — No burn spots to repair or touch up
- **Code Compliance** — IBC 2009 code compliant solution with full-scale AC43 testing as well as FM and UL approvals. SDI and CSSBI listed.
- **Field Support** — Over 1,000 professional Hilti Account Managers across North America so you can hit the deck running with on-site system training
- **Technical Support** — Over 50 professional Hilti Field Engineers across North America
- **Submittal Support** — Hilti Technical Services Engineers perform Decking submittals at no charge

To schedule a demonstration or request submittal assistance, contact Hilti at **1-800-879-8000** (US) or **1-800-363-4458** (Canada) or e-mail: **deck@hilti.com.**

DX 860-HSN Fully Automatic Powder-Actuated

Features and Applications

- High fastening rate can help significantly reduce the time it takes to attach deck to steel
- Magazine for 40 non-stop fastenings, up to 1000 fastenings per hour
- Built-in, adjustable power regulator for optimal control in achieving reliable fastenings
- Work upright for maximum productivity and safety by maintaining situational awareness
- Available through Hilti's innovative Use-on-Demand option that allows installers to rent the number of tools required for the number of days needed

HILTI LIFETIME SERVICE™	1 Year NO COSTS
Lifetime REPAIR COST LIMIT	Lifetime MANUFACTURERS WARRANTY

Technical Data	DX 860-HSN
Fasteners	X-EDN 19 X-EDNK 22
Power source	Hilti .27 caliber short in plastic strips of 40
Piston bore	12 mm
Approvals	Meets ANSI standard A 10.3 and OSHA requirements for low velocity tools
Dimensions (L x W x H)	13.1 x 5.59 x 38.7 in
Weight	27 lb

DX 460-SM Fully Automatic Powder-Actuated

Features and Applications

- Fully automatic piston return and cartridge advance
- Magazine capacity of 12 fasteners
- Integrated power regulation for accurate fastenings over a large array of applications
- Up to 700 fastenings per hour with magazine

HILTI LIFETIME™ SERVICE	2 Years NO COSTS
Lifetime REPAIR COST LIMIT	Lifetime MANUFACTURERS WARRANTY

Technical Data	DX 460-SM
Fasteners	X-EDN 19 X-EDNK 22
Power source	Hilti .27 caliber short in plastic strips of 10
Piston bore	12 mm
Approvals	Meets ANSI standard A 10.3 and OSHA requirements for low velocity tools
Dimensions (L x W x H)	17.01 x 2.36 x 7.09 in
Weight	8.51 lb

Hilti. Outperform. Outlast.

Order Information

Description	Package Contents	Item No.
DX 860-HSN-PTR Powder-Actuated Tool	Includes tool, cleaning accessories, spray lubricant, safety glasses and operating instructions in an impact-resistant plastic tool box	00282482
DX 860-HSN-PTR Use-on-Demand (Daily Rate)	Use-on-Demand provides for use of a DX 860-HSN tool for a daily rate. All general maintenance plus shipping is covered by Hilti. Replacement pistons and brakes must be purchased by customer.	03445872
DX 460-SM Powder-Actuated Tool	Includes tool, cleaning set, spare buffer, ear protectors, safety glasses and Hilti lubricant spray in an impact-resistant plastic tool box	00371685

For operation, maintenance and cleaning of the tools, see the Hilti Decking Fastening Training Guide (available for immediate download in English, Spanish and French at www.us.hilti.com/decking)

Decking Fasteners — .27 Caliber Cartridge

			DX 460-SM Combos (includes equal quantities of fasteners and cartridges)				DX 860-HSN Combos (includes equal quantities of fasteners and cartridges)			
Description		Base Steel Thickness	Qty	Item No.	Qty	Pallet Item No.	Qty	Item No.	Qty	Pallet Item No.
X-EDN 19	①	3/16" to 3/8"	1000	00332769	32,000	03000870	2000	03001959	32,000	03001961
X-EDNK 22	②	7/64" to 1/4"	1000	00332770	32,000	03000871	2000	03001960	32,000	03001967

Note - For optimal performance, contact Hilti to verify proper cartridge power level for your specific application.

Accessories

Description		DX 460-SM	DX 860-HSN	Item No.
X-SH 460 Stand Up Handle For using the DX 460-SM as an upright decking system		■		00370831
Large Fingerless Leather Gloves		■	■	00023924
Cartridge Pouch — 40 cartridge strips For DX 860 HSN-PTR and ENP			■	00286856
X-SM Magazine		■		00370827
X-460-PSM Piston		■		00373303
X-460-B Buffer		■		00373330
DX 860-HSN-PTR Piston and Brake			■	00284990

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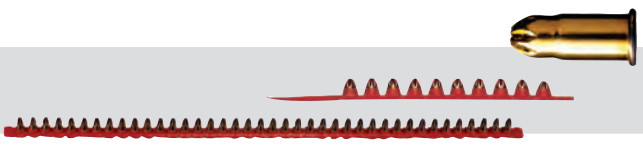
Complete cartridge offering — see page 197



DX 860-ENP-L Fully Automatic Powder-Actuated

Features and Applications

- High fastening rate can help significantly reduce the time it takes to attach deck to steel
- Magazine for 40 non-stop fastenings, up to 1000 fastenings per hour
- Work upright for maximum productivity and safety by maintaining situational awareness
- Built-in, adjustable power regulator for optimal control in achieving reliable fastenings
- Available through Hilti's innovative Use-on-Demand option that allows installers to rent the number of tools required for the number of days needed

Technical Data	DX 860-ENP-L
Fasteners	X-ENP-19 MXR in strips of 10
Power source	Hilti .27 Caliber long cartridges in strips of 40
Piston bore	15 mm
Approvals	Meets ANSI standard A 10.3 and OSHA requirements for low velocity tools
Dimensions (L x W x H)	36.7 x 5.1 x 12.4 in
Weight	43 lb

HILTI LIFETIME SERVICE™ 1 Year NO COSTS | Lifetime REPAIR COST LIMIT | Lifetime MANUFACTURERS WARRANTY

DX 76-MX Semi-Automatic Powder-Actuated

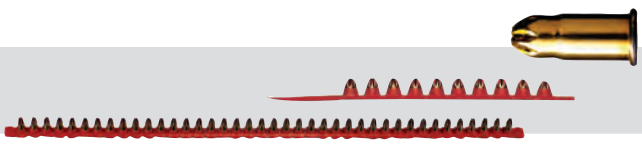
Features and Applications

- Curved magazine allows easy access in tight spots and holds 10 fasteners for quick reloading, allowing operator to install up to 600 fasteners per hour
- Power regulator for optimal control to achieve optimal fastening quality across a broad application range
- Easy to clean and maintain
- Optional single shot fastener guide available for limited access applications
- Accessory parts convert tool to the DX 76-HVB for installation of HVB shear connectors in floor deck applications

Technical Data	DX 76-MX
Fasteners	X-ENP-19 L15 MX or MXR plastic collation of 10 fasteners
Power source	Hilti .27 caliber long cartridges in strips of 10
Piston bore	15 mm
Approvals	Meets ANSI standard A 10.3 and OSHA requirements for low velocity tools
Dimensions (L x W x H)	17.7 x 3.98 x 13.9 in
Weight	9.6 lb

HILTI LIFETIME™ SERVICE 2 Years NO COSTS | Lifetime REPAIR COST LIMIT | Lifetime MANUFACTURERS WARRANTY

Complete cartridge offering — see page 197



Hilti. Outperform. Outlast.

Order Information

Description	Package Contents	Item No.
DX 76-MX Powder-Actuated Tool	Includes tool with magazine, magazine ramrod, cleaning brushes, cleaning cloth, Hilti spray lubricant and operating instructions in an impact-resistant plastic tool box	00285794
DX 860-ENP-L Powder Actuated Tool	Includes tool, cleaning kit, Hilti spray lubricant, safety glasses and operating instructions in an impact-resistant plastic tool box	00386793
DX 860-ENP-L Use-on-Demand (Daily Rate)	Use-on-Demand provides for use of a DX 860 ENP-L for a daily fee. All general maintenance plus shipping is covered by Hilti. Replacement pistons and stop rings must be purchased by customer. **ENP-L model permits fastening into 3" deep "N" type deck**	03445954

For operation, maintenance and cleaning of the tools, see the Hilti Decking Fastening Training Guide (available online in English, Spanish and French at www.us.hilti.com/decking)

Decking Fastener Combos

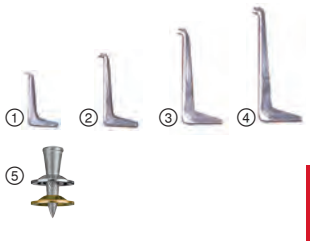
Description		Base Steel Thickness	DX 76 and DX 76-MX (includes equal quantities of fasteners and M10 cartridges) Qty	Item No.	Pallet Qty	Pallet Item No.	DX 860-ENP-L (includes equal quantities of fasteners and M40 cartridges) Qty	Item No.	Pallet Qty	Pallet Item No.
X-ENP-19 L15 MX (collated-rigid)	①	1/4" - unlimited	1000	03011507	32,000	03011509	-	-	-	-
X-ENP-19 L15 Combos (single)	②	1/4" - unlimited	1000	03011506	32,000	03011508	-	-	-	-
X-ENP-19 L15 MX-R (collated-flexible)	③	1/4" - unlimited	1000	03418149	-	-	2,000	03011510	32,000	03011511

Note - For optimal performance, contact Hilti to verify proper cartridge power level for your speific application.

HVB Shear Connectors and X-ENP Fasteners

Use with the DX 76 tool, HVB fastener guide (00285486) and HVB piston (00285493)

Description		Connector Height	Qty	Item No.
Shear Connector X-HVB 95	①	3-3/4"	200	00348179
Shear Connector X-HVB 110	②	4-5/16"	200	00348180
Shear Connector X-HVB 125	③	4-15/16"	125	00348181
Shear Connector X-HVB 140	④	5-1/2"	120	00348321
Shear Connector Fastener X-ENP-21 HVB Use with HVB connectors	⑤		100	00283512



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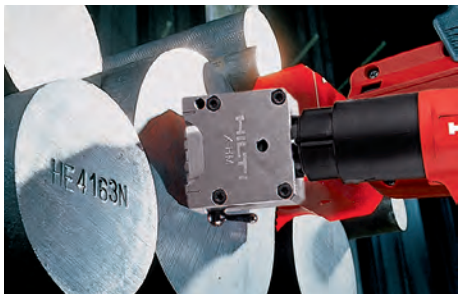
Accessories

Description		DX 76-MX	DX 76-FN15	DX 76-HVB	DX 860-ENP-L	Item No.
Nail Magazine MX 76 Magazine for use with the DX 76		■				00285521
Fastener Guide X-76-F-N15 Single 15mm fastener guide for use with the DX 76			■			00285484
Fastener Guide X-76-F-HVB HVB Shear Connector Fastener Guide for use with the DX 76				■		00285486
Piston X-76-P-ENP Replacement piston and stop ring for the DX 76		■	■			00285488
Piston X-76-P-HVB HVB replacement piston for the DX 76				■		00285493
Stop Ring X-76-PS Replacement stop ring for the DX 76		■	■	■		00285494
Piston and Stop Ring Set X-860-P-ENP Replacement piston and stop ring for the DX 860					■	00384948



DX 462-HM High Speed Marking System

Features and Applications

- Fully automatic piston return and cartridge advance system gives you a higher marking rate without manually cycling the tool
- Total mobility and complete independence from electrical power supplies
- Marks up to 10 characters in any combination of letters and numbers
- Ideal for marking hot and cold castings in a wide variety of shapes and sizes, and any items normally marked using a hammer and punch

Technical Data	DX 462-HM
Power source	Hilti .27 caliber short in plastic strips of 10
Dimensions (L x W x H)	16.73 x 2.36 x 7.09 in
Weight	10.21 lb

HILTI 2 Years LIFETIME™ SERVICE NO COSTS
Lifetime REPAIR COST LIMIT
Lifetime MANUFACTURERS WARRANTY

Order Information

Description	Package Contents	Item No.
DX 462-HM Powder-Actuated Marking Tool	Includes tool with steel marking head in an impact-resistant plastic tool box	00376373

Accessories

Description		DX 462-HM	DX 462-CM	Item No.
X-462-PM Piston		■	■	00376231
X-462-CM Marking Head Assembly		■	■	00282319
X-462-HM Marking Head Assembly		■	■	00282320
X-462-HMS Mini Marking Head Assembly Requires mini marking characters		■	■	00406975
Marking Character Case Fits 120 Characters		■	■	00007767

Powder-Actuated Marking System

Letter	LS 8/10	S 8/10	LS 5.6/6	S 5.6/10
A	00312532	00007276	00008127	00007591
B	00312533	00007277	00008128	00007592
C	00312534	00007278	00008129	00007593
D	00312535	00007279	00008130	00007594
E	00312536	00007280	00008131	00007595
F	00312537	00007281	00008133	00007596
G	00312538	00007282	00008134	00007597
H	00312539	00007283	00008135	00007598
I	00312540	00007284	00008137	00007599
J	00312541	00007285	00008138	00007600
K	00312542	00007286	00008139	00007601
L	00312543	00007287	00008141	00007602
M	00312544	00007288	00008143	00007603
N	00312545	00007289	00008144	00007604
P	00312547	00007291	00008146	00007606
Q	00312548	00007292	00008147	00007607
R	00312549	00007293	00008148	00007608
S	00312550	00007294	00008149	00007609
T	00312551	00007295	00008150	00007610
U	00312552	00007296	00008151	00007611
V	00312553	00007297	00008152	00007612
W	00312554	00007298	00008153	00007613
X	00312555	00007299	00008154	00007614
Y	00312556	00007300	00008155	00007615
Z	00312557	00007301	00008156	00007616
Spacer	00007747	00007747	00007084	00007084
Dash	00008162	00007783	00008157	00007083
Point	00007786	00007786	00008159	00008159
LTR Set*	00373523	00007744	00008115	00007622

Number	S 8/10	LS 8/10	LS 5.6/6	S 5.6/10
0	00007266	00312558	00008116	00007581
1	00007267	00312559	00008117	00007582
2	00007268	00312560	00008118	00007583
3	00007269	00312561	00008119	00007584
4	00007270	00312562	00008121	00007585
5	00007271	00312563	00008122	00007586
6	00007272	00312564	00008123	00007587
7	00007273	00312565	00008124	00007588
8	00007274	00312566	00008125	00007589
9	00007275	00312567	00008126	00007590
Spacer	00007747	00007747	00007084	00007084
Dash	00007783	00007784	00008157	00007083
Point	00007786	00007786	00008159	00008159
NBR Set**	00007743	00373524	00008114	00007621

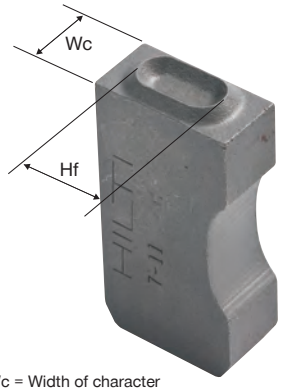
* Includes complete letter set and two spacers

** Includes complete number set and two spacers

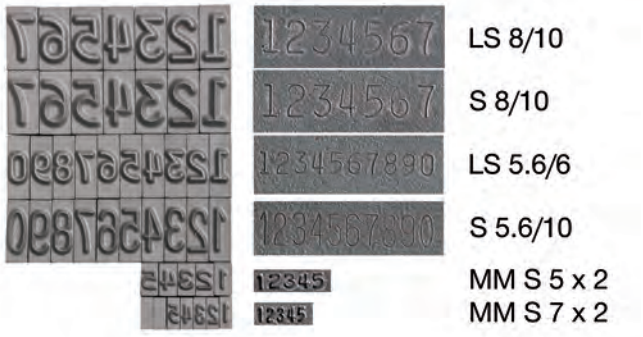
*** 5 x 2 characters (5 characters per row) are available upon request. Check for availability and lead time.

Mini Marking Characters	7 x 2
A	00427949
B	00427950
C	00427951
D	00427952
E	00427953
F	00427954
G	00427955
H	00427956
I	00427957
J	00427958
K	00427959
L	00427960
M	00427961
N	00427962
P	00427963
Q	00427964
R	00427965
S	00427966
T	00427967
U	00427968
V	00427969
W	00427970
X	00427971
Y	00427972
Z	00427973

Mini Marking Number	7 x 2
0	00427938
1	00427939
2	00427940
3	00427941
4	00427942
5	00427943
6	00427944
7	00427945
8	00427946
9	00427947
Spacer	00427948



Wc = Width of character
Hf = Height of figure (Letter/number - gravure)



Nomenclature	
LS =	Low stress to minimize fissure cracking (rounded character face)
S =	Sharp character face
8/10	8 = 8mm character block width (Wc) for seven characters per row 10 = 10 mm actual letter or number height (Hf)
5.6/6	5.6 =5.6 mm character block width (Wc) for 10 characters per row (narrow) 6 = 6 mm actual letter or number height (Hf)
5.6/10	5.6 =5.6 mm character block width (Wc) for 10 characters per row (narrow) 10 = 10 mm actual letter or number height (Hf)
7 x 2	Mini character — seven characters per row
5 x 2***	Mini character — five characters per row

DX 351-BT Fully Automatic Powder-Actuated

Features and Applications

- Automatic cartridge advance and piston return
- No surface coating damage
- No through penetration for steel thickness 5/16" and up
- Low recoil for operator comfort

Technical Data	DX 351-BT
Fasteners	X-BT W6-24-6 SN12-R (1/4") X-BT W10-24-6 SN12-R (3/8") Stainless steel threaded studs
Power source	Hilti .27 caliber short brown high precision cartridge in strips of 10
Piston bore	12 mm
Approvals	Meets ANSI standard A 10.3 and OSHA requirements for low velocity tools
Dimensions (L x W x H)	16 x 2 x 6.25 in
Weight	5 lb

DX 460-IE Fully Automatic Powder-Actuated

Features and Applications

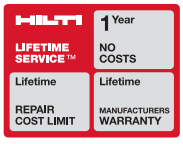
- Fast and innovative method for fastening rigid insulation material 1" to 4-3/4" thick to interior and exterior walls

Technical Data	DX 460-IE
Fasteners	All X-IE (Insulation Fasteners)
Power source	Hilti .27 caliber short cartridges in strips of 10
Piston bore	8 mm
Approvals	Meets ANSI standard A 10.3 and OSHA requirements for low velocity tools
Dimensions (L x W x H)	21.7 x 2.8 x 7.1 in
Weight	7.78 lb

R4DWX-S Air-Actuated Fastening

Features and Applications

- High fastening rate for greater productivity
- Powerful enough for wide range of applications
- MX nail collation for compatibility with Hilti DX magazine tools
- Large capacity magazine holds up to 20 fasteners for fewer reloads



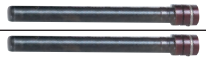
Technical Data	R4DWX-S
Fastener range	5/8" - 2-1/2" (X-C MX and X-U15 MX)
Power source	Compressed air
Maximum operating pressure	175 psi
Dimensions (L x W x H)	17.75 x 4 x 20.25 in
Weight	11.9 lb

Hilti. Outperform. Outlast.

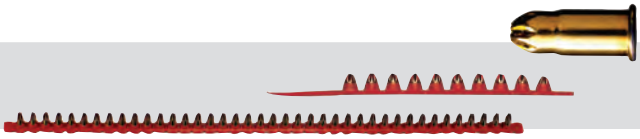
Order Information

Description	Package Contents	Item No.
DX 351-BT Powder-Actuated Tool (W10, W6)	Includes tool, cleaning kit, ear protectors, safety glasses, Hilti spray lubricant and operating instructions in an impact-resistant plastic tool box	00377607
DX 351-BT Tool Set (W10, W6)	Includes tool, cleaning kit, X-BT 4000-A Cordless Drill, C 7/24 standard charger, (2) SFB 185 18 V 3.0 Ah batteries, Hilti spray lubricant, information sheet and operating instructions in an impact-resistant plastic tool box	03001077
DX 460-IE Powder-Actuated Tool	Includes tool, cleaning kit, ear protectors, safety glasses, Hilti spray lubricant and operating instructions in an impact-resistant plastic tool box	00377791
R4DWX-S Pneumatic Nailer	Includes tool, o-ring repair kit, safety glasses, o-ring lubricant, repair tool kit, Hilti cleaning cloth and air tool oil in a deluxe Hilti steel tool box	00284681
DX 600N Turbine Kit	Includes tool, cleaning kit, 6N/F1 12 mm piston guides, (12) 6N/12 12 mm pistons (anvils), 6N/F3 8 mm piston guides, (12) 6N/DN1 8 mm pistons (anvils), (12) DX 600N stop rings, (1) ramrod, (1) ramrod chain, (1) cleaning kit with Hilti spray lubricant and operating instructions in an impact-resistant plastic tool box	03433795

Accessories

Description		DX 351-BT	DX 460-IE	R4DWX-S	DX 600N	Item No.
X-BT W6-24-6 SN12-R — use with DX 351-BT 1/4" stainless steel threaded stud (includes 100 studs, drill bit, coating protector and power regulation guide)		■				00432267
X-BT W10-24-6 SN 12-R Fastener — use with DX 351-BT fastener guide and piston 3/8" Stainless Threaded Studs (includes 100 studs, bit, coating protector, and power regulation guide)		■				00377076
Cartridge 6.8/11M High Precision Brown (Qty 100) — use with DX 351-BT		■				00377204
TX-BT 4/7-80 Step Drill Bit (10 Pack)		■				00377079
TX-BT 4/7-110 One Step Drill Bit for Demo		■				03001956
X-BT 4000-A 18 V NiMh Cordless Drill		■				00378265
SFB 185 3.0-Ah NiMH Battery Pack		■				00370102
C 7/24 Standard Battery Charger		■				00378449
X-BT Impact-Resistant Plastic Tool Box		■				00377071
X-BT Coating Protector		■				00377072
X-351-BT FG W1024 Fastener Guide Use with X-BT W10 and W6 threaded studs		■				00378673
X-351 BT P 1024 Piston Use with X-BT W10 and W6 threaded studs		■				00378676
X-460 PIE-L Piston			■			00377813
X-460 FIE-L Fastener Guide			■			00377812
X-460 TIE-L Guide Sleeve Replacement sleeve for X-460 FIE-L Fastener Guide			■			00304215
DX 600N 6N/12 12 mm Piston (12 pack)					■	03419359
DX 600N 6N/12 12 mm Piston (single)					■	02020561
DX 600N 6N/DN1 8 mm Piston (12 pack)					■	03419358
DX 600N 6N/DN1 8 mm Piston (single)					■	00006529
DX 600N 6N/F1 Fastener Guide (use with 12 mm piston)					■	00006411
DX 600N 6N/F3 Fastener Guide (use with 8 mm piston)					■	00006413
DX 600N Stop Ring					■	00006188

Complete cartridge offering — see page 197



DX 460-GR Fully Automatic Powder-Actuated

Features and Applications

- For fastening open catwalk grating and checkerplate to base steel
- Up to 120 grating fastenings per hour
- Fully automatic piston return and cartridge advance system gives you a higher fastening rate without manually cycling the tool
- Total mobility and complete independence from electrical power supplies

HILTI 2 Years LIFETIME™ SERVICE NO COSTS Lifetime REPAIR COST LIMIT Lifetime MANUFACTURERS WARRANTY

Technical Data	DX 460-GR
Fasteners	X-CRM8-9-12P8, X-CRM8-15-12P8, X-GR-RU grating fasteners
Power source	Hilti .27 caliber short cartridges in strips of 10
Piston bore	8 mm
Approvals	Meets ANSI standard A 10.3 and OSHA requirements for low velocity tools
Dimensions (L x W x H)	18.11 x 2.4 x 7.1 in
Weight	7.21 lb

DX 351-BTG Semi-Automatic Powder-Actuated

Features and Applications

- Automatic cartridge advance and piston return
- No surface coating damage
- No through penetration for steel thickness 8mm and up
- Low recoil for operator comfort
- Appropriate for X-BT 8mm threaded stud in high strength steel

HILTI 2 Years LIFETIME™ SERVICE NO COSTS Lifetime REPAIR COST LIMIT Lifetime MANUFACTURERS WARRANTY

Technical Data	DX 351-BTG
Fasteners	X-BT M8-15-6 SN 12-R (8 mm stainless threaded studs for steel)
Power source	Hilti .27 caliber short brown high precision cartridge in strips of 10
Piston bore	8 mm
Approvals	Meets ANSI standard A 10.3 and OSHA requirements for low velocity tools
Dimensions (L x W x H)	16 x 2 x 6.25 in
Weight	5 lb

Order Information

Description	Package Contents	Item No.
DX 460-GR Powder-Actuated Grating Tool	Includes tool, ramrod, cleaning kit, Hilti spray lubricant and operating instructions in an impact-resistant plastic tool box	00304398
DX 351-BTG Tool Kit	Includes tool, cleaning kit, SF 4000-A Cordless Drill, C 7/24 standard charger, (2) SFB 185 18 V 3.0-Ah batteries, Hilti spray lubricant and operating instructions in an impact-resistant plastic tool box	03001078
DX 351-BTG Powder-Actuated Tool	Includes tool only in an impact-resistant plastic tool box	00377616

Accessories

Description		DX 460-GR	DX 351-BTG	Item No.
X-BT M8-15-6 SN12-R Fastener (Qty 100) — use with DX 351-BT6 fastener guide and piston 8 mm stainless threaded studs for grating disk applications (includes 100 studs, bit, coating protector, and power regulation guide)			■	00377074
Cartridge 6.8/11M High Precision Brown (Qty 100) — use with DX 351-BTG			■	00377204
TX-BT 4/7-110 Step Drill Bit (10 Pack) — longer for grating applications			■	00377080
TX-BT 4/7-110 One Step Drill Bit for Demo			■	03001956
X-BT SF 4000-A 18 V NiMh Cordless Drill Includes tool, (2) batteries and charger			■	00378265
C 7/24 Standard Battery Charger			■	00378449
SFB 185 3.0-Ah NiMH Battery Pack			■	00370102
X-BT Impact-Resistant Plastic Tool Box			■	00377071
X-BT Coating Protector			■	00377072
X-351-BTG M8FG Fastener Guide Use with X-BT M8 threaded stud only			■	00378675
X-351-BTG M8P Piston Use with X-BT M8 threaded stud only			■	00378677
X-460-F8GR Grating Fastener Guide		■		00386012
X-TGR Fastener Guide Sleeve (replacement part)		■		00386124
X-460-PGR Piston		■		00305448

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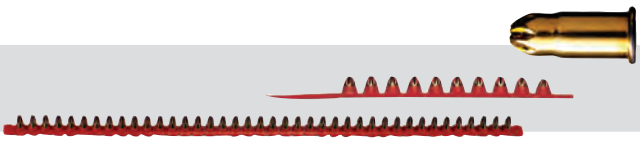
Complete cartridge offering — see page 197



X-GR-RU Removable Grating Fastener*

Removable fastener for grating heights of 1" to 1-1/2"

Description	Grating Height	Qty	Non-Combo Item No.	Qty**	Combo Item No.	Qty**	Bulk-Combo Item No.
X-GR-RU 1" CR20 P8	1"	100	00384239	100	03429743	2400	03429922
X-GR-RU 1-1/4" CR20 P8	1-1/4"	100	00385932	100	03429744	2400	03429924
X-GR-RU 1-1/2" CR20 P8	1-1/2"	100	00384240	100	03429745	2400	03429925

* Base material thickness up to 1/2". See Hilti Product Technical Guide for complete technical data

** Combos include equal amounts of fasteners and cartridges

X-GR-RU Removable Grating Fastener Pre-drill Bit*

Pre-drill solution for base steel thickness greater than 1/2"

Description	Qty	Item No.
TX-GR-RU 3.4/10.5 — 110 Drill Bit	1	00412971
TX-GR-RU 3.4/10.5 — 110 Drill Bit	10	03453737

*Contact Hilti for more information

X-MGR Mechanical Grating Fastener

Adjustable fastener for grating heights of 1" to 1-1/2"

Description	Grating Height	Qty	Item No.	Qty**	Bulk Item No.
X-MGR W 60	1" to 1-1/2"	20	00384234	2560	03430209

X-FCM Grating Fastening Disk ①

For a fastening height of 1" to 2"

Description		Grating Height	Hot-dip galv. disc	Stainless steel	Qty	Item No.
X-FCM-R 25/30		1" to 1-3/16"		■	100	00247181
X-FCM-R 35/40		1-3/8" to 1-9/16"		■	100	00247182
X-FCM-R 45/50		1-3/4" to 2"		■	100	00247183
X-FCM-R 1-1/4"		1-1/4"		■	100	00247184
X-FCM-M 25/30		1" to 1-3/16"	■		100	00378683
X-FCM-M 35/40		1-3/8" to 1-9/16"	■		100	00378684
X-FCM-M 45/50		1-3/4" to 2"	■		100	00378685
X-FCM-M 1-1/4"		1-1/4"	■		100	00378686
X-CRM8-15-12 P8	②	-		■	100	00372033
X-CRM8-15-12 P10	③	-		■	100	00372034

X-FCP Checkerplate Fastening Disk

For a fastening height of 1/4" to 1/2"

Description		Checker Plate Height	Hot-dip galv.	Stainless steel	Qty	Item No.
X-FCP-F5/10	④	1/4" to 1/2"	■		200	00308859
X-FCP-R5/10*	④	1/4" to 1/2"		■	200	00308860
X-FCP sealing ring	⑤	-			200	00308856
X-CRM8-9-12 P8	⑥	-			100	00372031
X-CRM8-9-12 P10	⑦	-			100	00372032

* Special order. Allow 6 weeks for delivery

Gas-Actuated Fasteners

Description		Shank Dia.	Fastener Length	Qty	GX 120 fasteners Combo Item No.
X-GN 20 MX (concrete/block)	①	0.118	3/4"	750	00226933
X-GN 27 MX (concrete/block)		0.118	1"	750	00226934
X-GN 32 MX (concrete/block)		0.118	1-1/4"	750	00226935
X-GPN-37 MX (Plywood Fastener)	②	0.102	1-1/2"	750	00343764
X-GN 39 MX (concrete/block)		0.118	1-5/8"	750	00226936
X-GHP 18 MX (concrete/steel)		0.118	11/16"	750	00226931
X-GHP 20 MX (concrete/steel)		0.118	3/4"	750	00226932
X-EGN 14 MX (steel only)		0.118	1/2"	750	00226930

1/4" Threaded Stud**

Description		Thread Length	Shank Dia.	Shank Length	Qty	GX 120 fasteners Combo Item No.
XG-W6 12 14 (steel)		1/2"	0.118	1/2"	750	03448596
XG-W6 12 27 (concrete/block)	③	1/2"	0.118	1"	750	03448597

**Each box of fasteners includes (2) two single fastener adapters and can only be used with GX 120 and GX 120 ME tools

Gas and Powder-Actuated Assemblies (no pre-mounted fastener)

Conduit Clips

Description		Dia	Qty	Non-Combo Item No.
X-BX 3/8 MX (conduit clip)	④	3/8"	200	00228334
X-EMTC 1/2" MX (conduit clip)		1/2"	200	00228335
X-EMTC 3/4" MX (conduit clip)		3/4"	200	00228336
X-EMTC 1" MX (conduit clip)		1"	200	00228337
X-EMTSC 1/2" MX (stand-off conduit clip) *	⑤	1/2"	100	00228338
X-EMTSC 3/4" MX (stand-off conduit clip) *		3/4"	100	00228339
X-EMTSC 1" MX (stand-off conduit clip) *		1"	100	00228340

*For use with GX 120-ME, or DX tool with narrow access fastener guide

Ceiling Clips and Hangers

For hanging overhead light fixtures

Description		Qty	Non-Combo Item No.
X-CC MX (ceiling clip)	⑥	100	00228342
X-CC MX 6' 12 GA (clip with pretied wire)	⑦	100	00421821
X-CC MX 12' 12 GA (clip with pretied wire)		100	00421824

Hanger Brackets

For suspension of 1/4" threaded rod from concrete or steel

Description		Thread Size	Qty	Non-Combo Item No.
X-HS W6 MX	⑧	1/4"	100	00228341

For best results use with GX 120-ME, DX 351, DX 460

Plenum Rated Fasteners

For telecom/data and premise wiring applications

Description		Max. # of Cables	Max. Dia. of Cables	Qty	Non-Combo Item No.
X-ET MX Universal Plastic Washer	⑨	-	-	250	00285718
X-ECT (cable tie)* *Cable (zip) tie is not available through Hilti	⑩	-	-	100	00285709
X-EKB 4 MX (cable clamp)	⑪	4	1/4"	100	00285712
X-EKB 8 MX (cable clamp)		8	1/4"	100	00285713

Washer Holder and Washers

Description		Qty	Item No.
X-120 PHP Platon Plug Adapter	⑫	1	00039545
X-120 PHD Delta™ FAST®ner Adapter	⑬	1	00036540
Magnetic Washer Holder X-120 WH (use with GX 120)	⑭	1	00039619
R-36 1-7/16" Economy Washer (round)		1000	00407950
R-23 7/8" Economy Washer (round)		1000	00407951

X-U Premium Knurled, Ballistic Point Fasteners

Single Fasteners — 0.157 shank diameter

Description	Fastener Length	Washer Dia.	Qty	Non-Combo	Combo Item No. (10 x 100) 1000 Fasteners and Cartridges DX 35	DX 351	DX 460
X-U 16 P8 (steel)	5/8"	8 mm plastic	100	00237330	03432927	03428998	03428998
X-U 19 P8	3/4"	8 mm plastic	100	00237331	03432928	03428999	03428999
X-U 22 P8	7/8"	8 mm plastic	100	00237332	03432929	03429000	03429000
X-U 27 P8	1"	8 mm plastic	100	00237333	03432930	03429001	03429001
X-U 32 P8	1-1/4"	8 mm plastic	100	00237334	03432931	03429002	03429002
X-U 37 P8	1-1/2"	8 mm plastic	100	00237335	03432932	03429053	03429053
X-U 42 P8	1-5/8"	8 mm plastic	100	00237336	-	03429054	03429054
X-U 47 P8	1-7/8"	8 mm plastic	100	00237337	-	03429055	03429055
X-U 52 P8	2"	8 mm plastic	100	00237338	-	-	03429056
X-U 57 P8	2-1/4"	8 mm plastic	100	00237339	-	-	03429057
X-U 62 P8	2-1/2"	8 mm plastic	100	00237340	-	-	03429058
X-U 72 P8	2-7/8"	8 mm plastic	100	00237342	-	-	03429059

Collated Fasteners — 0.157 shank diameter (magazine required)

Description	Fastener Length	Qty	Non-Combo	Combo Item No. (10 x 100) 1000 Fasteners and Cartridges DX 35	DX 351	DX 460
X-U 15 MX SP (0.145" dia) Bulk*	5/8"	1000	00342000	-	03440857	03440857
X-U 16 MX	5/8"	100	00237344	-	03429066	03429066
X-U 19 MX	3/4"	100	00237345	-	03429067	03429067
X-U 22 MX	7/8"	100	00237346	-	03429068	03429068
X-U 27 MX	1"	100	00237347	-	03429069	03429069
X-U 32 MX	1-1/4"	100	00237348	-	03429070	03429070
X-U 37 MX	1-1/2"	100	00237349	-	-	03429071
X-U 42 MX	1-5/8"	100	00237350	-	-	03429072
X-U 47 MX	1-7/8"	100	00237351	-	-	03429073
X-U 52 MX	2"	100	00237352	-	-	03429074
X-U 57 MX	2-1/4"	100	00237353	-	-	03429075
X-U 62 MX	2-1/2"	100	00237354	-	-	03429076
X-U 72 MX	2-7/8"	100	00237356	-	-	03429077

* Step shank fastener

Single Fasteners with Metal "Tophat" — 0.157 shank diameter

Description	Fastener Length	Washer Dia.	Qty	Non-Combo	Combo Item No. (10 x 100) 1000 Fasteners and Cartridges DX 35	DX 351	DX 460
X-U 15 P8 TH (0.145" dia) Bulk*	5/8"	8 mm plastic & metal "tophat"	1000	00342215	03440858	03440856	03440856
X-U 16 P8 TH	5/8"	8 mm plastic & metal "tophat"	100	00237329	03432987	03431223	03431223
X-U 19 P8 TH	3/4"	8 mm plastic & metal "tophat"	100	00385781	03432988	03431224	03431224
X-U 27 P8 TH	1"	8 mm plastic & metal "tophat"	100	00385782	03432989	03431225	03431225

* Step shank fastener

Single Fasteners with Pre-mounted Steel Washers — 0.157 shank diameter

Description	Fastener Length	Washer Dia.	Qty	Non-Combo	Combo Item No. (10 x 100) 1000 Fasteners and Cartridges DX 35	DX 351	DX 460
X-U 22 P8 S15 (round washer)	7/8"	8 mm plastic w/steel 15 mm	100	00237370	-	03445435	03445435
X-U 27 P8 S15 (round washer)	1"	8 mm plastic w/steel 15 mm	100	00237371	03432990	03429061	03429061
X-U 32 P8 S15 (round washer)	1-1/4"	8 mm plastic w/steel 15 mm	100	00237372	03432991	03429062	03429062
X-U 32 P8 S36 (square washer)	1-1/4"	8 mm plastic w/steel 36 mm	100	00237374	03432992	03429063	03429063
X-U 72 P8 S36 (square washer)	2-7/8"	8 mm plastic w/steel 36 mm	100	00237379	-	-	03429065

Threaded Rod Hangers — 0.157 shank diameter

Description	Fastener Length	Threaded Rod Dia.	Qty	Non-Combo 100 pcs/box	Combo Item No. (10 x 100) 1000 Fasteners and Cartridges DX 35	DX 351	DX 460
X-HS W6 U19 P8S15 (steel)	3/4"	1/4" (6 mm)	100	00386216	-	-	-
X-HS W6 U22 P8S15	7/8"	1/4" (6 mm)	100	00386221	03432983	03429080	03429080
X-HS W6 U32 P8S15	1-1/4"	1/4" (6 mm)	100	00401233	03432985	03429082	03429082
X-HS W10 U19 P8S15 (steel)	3/4"	3/8" (10 mm)	100	00386217	-	-	-
X-HS W10 U22 P8S15	7/8"	3/8" (10 mm)	100	00386222	03432984	03429081	03429081
X-HS W10 U32 P8S15	1-1/4"	3/8" (10 mm)	100	00401234	03432986	03429083	03429083

X-RH Rod Hangers

For suspension applications using smooth rod

Ceiling mount rod hanger with pre-mounted premuim fasteners for concrete

Description	Rod Dia.	Shank Dia.	Fastener Length	Qty	Item No.
X-RH1/4-C-U 27 PBT	1/4"	0.157"	1"	50	00410798

DS Heavy-Duty Fasteners

Concrete and Steel

Description	Shank Dia.	Fastener Length	Qty	Non-Combo Item No.	Combo Item No. (1000 fasteners and cartridges) DX 460F10
PIN DS 27 P10	0.177"	1"	100	00046157	00376780
PIN DS 32 P10	0.177"	1-1/4"	100	00046158	00376852
PIN DS 37 P10	0.177"	1-1/2"	100	00046159	-
PIN DS 62 P10	0.177"	2-1/2"	100	00046164	-
PIN EDS 19 P10	0.177"	3/4"	100	00046554	00376781
PIN EDS 22 P10	0.177"	7/8"	100	00046556	-

X-CR Stainless Steel Fasteners

For applications in exposed and corrosive environments

X-CR Fasterners

Description	Shank Dia.	Fastener Length	Qty	Non-Combo Item No.
X-CR 14 P8	0.145"	1/2"	100	00306701
X-CR 16 P8	0.145"	5/8"	100	00247356
X-CR 18 P8	0.145"	5/8"	100	00247357
X-CR 21 P8	0.145"	13/16"	100	00247358
X-CR 24 P8	0.145"	15/16"	100	00247359
X-CR 29 P8	0.145"	1-1/8"	100	00247360
X-CR 34 P8	0.145"	1-5/16"	100	00247361
X-CR 39 P8	0.158"	1-1/2"	100	00247362
X-CR 44 P8	0.158"	1-3/4"	100	00247363
X-CR 54 P8	0.158"	2-1/8"	100	00247429

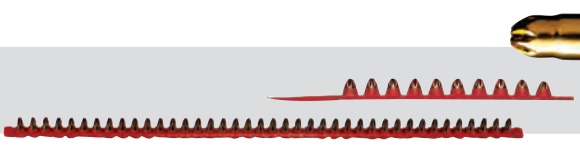
X-CR Fasteners (with stainless steel washer)

Description	Shank Dia.	Fastener Length	Qty	Non-Combo Item No.
X-CR 39 P8 S12 *	0.158"	1-1/2"	100	00247354
X-CR 44 P8 S12 *	0.158"	1-3/4"	100	00247355
X-CR 48 P8 S15 (for fastening ACQ 2 x 4 to steel)	0.158"	1-7/8"	100	00258121

* Requires X-460-F8 S12 Fastener Guide for DX 460 (00373317)

7

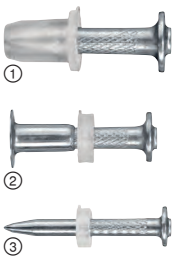
Complete cartridge offering — see page 197



X-C Standard Fastener (Concrete)

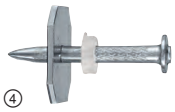
Single Fastener — 0.138 shank diameter

Description		Fastener Length	Qty	Non-Combo Item No.	Combo Item No. (Bulk)[1]			Combo Item No. (10 x 100)[2]		
					DX E72	DX 35	DX 460	DX E72	DX 35	DX 460 (DX 351*)
X-C 20 THP	①	3/4"	100	00388505	-	-	-	03443754	03440987	03440859*
X-C 20 THP (bulk)		3/4"	1000	00388504	03443755	03440988	03440860	-	-	-
X-C 22 P8TH	②	7/8"	100	00388507	-	-	-	03443757	03440989	03440861*
X-C 22 P8TH (bulk)		7/8"	1000	00388506	-	03440990	03440862	-	-	-
X-C 27 P8		1"	100	00388535	-	-	-	03443758	03440991	03440963*
X-C 32 P8	③	1-1/4"	100	00388536	-	-	-	03443759	03440992	03440964*
X-C 37 P8		1-1/2"	100	00388537	-	-	-	03443760	03440993	03440965*
X-C 47 P8		1-7/8"	100	00388539	-	-	-	03443761	-	03440966*
X-C 52 P8		2"	100	00388540	-	-	-	03443762	-	03440967
X-C 62 P8		2 -1/2"	100	00388541	-	-	-	03443763	-	03440968
X-C 72 P8		2-7/8"	100	00388542	-	-	-	-	-	03440969
X-C 82 P8 (.145" shank dia)		3- 1/4"	100	00360930	-	-	-	-	-	-
X-C 97 P8 (.145" shank dia)		3- 13/16"	100	00360931	-	-	-	-	-	-
X-C 117 P8 (.145" shank dia)		4-5/8"	100	00360933	-	-	-	-	-	-



Single Fastener with Pre-Mounted Steel Washer (square) — 0.138 shank diameter

Description		Fastener Length	Qty	Non-Combo Item No.	Combo Item No. (Bulk)[1]			Combo Item No. (10 x 100)[2]		
					DX 35	DX 351	DX 460	DX E72	DX 35	DX 460/351
X-C 27 P8S23		1"	100	00388548	-	-	-	03443765	03440994	03440970
X-C 32 P8S23		1-1/4"	100	00388549	-	-	-	03443766	03440995	03440971
X-C 37 P8S23	④	1-1/2"	100	00388550	-	-	-	03443767	03440996	03440972
X-C 37 P8S36		1-1/2"	1000	00388553	03440997	03440975	03440975	-	-	-
X-C 47 P8S23		1-7/8"	100	00388552	-	-	-	03443769	-	03440974
X-C 47 P8R36 (round washer)		1-7/8"	100	02029154	-	-	-	-	-	-
X-C 52 P8S36		2"	1000	00388554	-	-	03440976	-	-	-
X-C 62 P8S36		2-1/2"	1000	00388555	-	-	03440977	-	-	-
X-C 72 P8R36 (round washer)		2-7/8"	100	02029155	-	-	-	-	-	-



MX Collated Fastener — 0.138 shank diameter

Description		Fastener Length	Qty	Non-Combo Item No.	Combo Item No. (Bulk)[1]			Combo Item No. (10 x 100)[2]		
					DX E72	DX 351	DX 460	DX E72	DX 351	DX 460
X-C 20 MX	⑤	3/4"	100	00388518	-	-	-	-	03440978	03440978
X-C 20 MX (bulk)		3/4"	1000	00388509	-	03440979	03440979	-	-	-
X-C 27 MX		1"	100	00388519	-	-	-	-	03440980	03440980
X-C 32 MX	⑥	1-1/4"	100	00388520	-	-	-	-	03440981	03440981
X-C 32 MX (bulk)		1-1/4"	1000	00388511	-	-	-	-	-	-
X-C 37 MX		1-1/2"	100	00388521	-	-	-	-	-	03440982
X-C 47 MX		1-7/8"	100	00388523	-	-	-	-	-	03440983
X-C 52 MX		2"	100	00388524	-	-	-	-	-	03440984
X-C 62 MX		2-1/2"	100	00388525	-	-	-	-	-	03440985
X-C 72 MX		2-7/8"	100	00388526	-	-	-	-	-	03440986

X-S Standard Fastener (Steel)

Single Fasteners — 0.145 shank diameter

Description		Fastener Length	Qty	Non-Combo Item No.	Combo Item No. (Bulk)[1]			(Combo Item No. 10 x 100)[2]		
					DX E72	DX 35	DX 460/351	DX E72	DX 35	DX 460/351
X-S 13 THP	⑦	1/2"	100	00274059	-	-	-	03436951	03418116	03418068
X-S 13 THP (bulk)		1/2"	1000	00274061	03441480	03418117	03418069	-	-	-
X-S 16 P8 TH	⑧	5/8"	100	00044171	-	-	-	00040788	00040081	00040082
X-S 16 P8 TH (bulk)		5/8"	1000	00388842	-	03437762	03437761	-	-	-

X-S MX Combo (collated in strips of 10) — 0.145 shank diameter

Description		Fastener Length	Qty	Non-Combo Item No.	Combo Item No. (Bulk)[1]			(Combo Item No. 10 x 100)[2]		
					DX E72	DX 35	DX 460/351	DX E72	DX 35	DX 460/351
X-S 13 MX	⑨	1/2"	100	00274060	-	-	-	-	-	03418070
X-S 13 MX (bulk)		1/2"	1000	00274062	-	-	03418071	-	-	-

1 - Bulk packaging (1000 fasteners and cartridges) 2 - 10 boxes of 100 fasteners and cartridges

Hilti. Outperform. Outlast.

Sill Plate Fasteners

X-CP Fastener with 23 mm Steel Washer (Heavy mechanical galvanized to > 86 microns)

Best choice for attaching pressure treated lumber to concrete

Description	Shank Dia.	Fastener Length	Qty	Non-Combo Item No.	Combo Item No. (1000 fasteners and cartridges) DX 351	DX 36	DX 460
X-CP 72 P8 S23	0.145"	2-7/8"	100	00237455	-	03449464	03449464

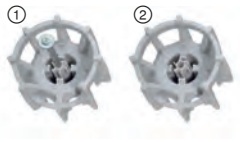
X-CF Economy Fastener (Zinc galvanized 5-13 microns)

Not recommended for attaching pressure treated lumber

Description	Shank Dia.	Fastener Length	Qty	Non-Combo Item No.	Combo Item No. (1000 fasteners and cartridges) DX 351	DX 36	DX 460
X-CF 72 P8 S23	0.145"	2-7/8"	100	03414359	-	03449461	03449461
			1000	00244774	-	00298638*	00298638*

* Bulk pack of 2,000 fasteners and cartridges

X-FS Formstop Fasteners



Description		Shank Dia.	Fastener Length	Qty	Non-Combo Item No.	Combo Item No. (1000 fasteners and cartridges) DX 351	DX 36	DX 460
X-FS C52	①	.138"	2"	100	00407346	03467220	03467220	03467220
X-FS MX	②	N/A	N/A	100	00408022	-	-	03467566*

*includes 1000 each of C52MX nail, X-FS, and cartridge

X-CT Special Removable Forming Fasteners

For temporary fastening of 1 x 4 and 2 x 4 to concrete

Single Fasteners

Description	Shank Dia.	Fastener Length	Qty	Non-Combo Item No.	Combo Item No. (1000 fasteners and cartridges) DX 36	DX 460
X-CT 62 DP8	0.138"	2-1/2"	100	00383585	03440998	03440998

Collated Fasteners in strips of 10

Description	Shank Dia.	Fastener Length	Qty	Non-Combo Item No.	Combo Item No. (1000 fasteners and cartridges) DX 460
X-CT 47 MX	0.138"	1-3/4"	100	00413002	03441000
X-CT 62 MX	0.138"	2-1/2"	100	00383579	03440999

Rebar Basket Clips

Description	Shank Dia.	Fastener Length	Qty	Non-Combo Item No.	Combo Item No. (1000 fasteners and cartridges) DX 36	DX 460
X-BC C47 P8 (fits 1/4" lower bar)	0.138"	1-3/4"	1000	00408257	03455369	03455369
X-BC C62 P8 (fits 1/4" lower bar)	0.138"	2-1/2"	1000	00408255	03455365	03455365
Clip (fits 3/8" or smaller lower bar. No premounted fastener)	N/A	N/A	1000	03467478	-	-
Clip (fits 3/8" or smaller lower bar. No premounted fastener)	N/A	N/A	10000	03467477	-	-

X-IE Insulation Fasteners

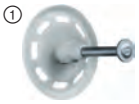
For fastening EPS / EIFS insulating materials to concrete

Description	Insulating Material Thickness	Qty	Non-Combo Item No.	Combo Item No.* DX 460-IE
X-IE 6-25 PH 47	1"	300	00283990	03409834
X-IE 6-35 PH 47	1-1/2"	300	00283992	03409835
X-IE 6-40 PH 52	1-5/8"	300	00376466	00299714
X-IE 6-50 PH 52	2"	300	00376468	00299716
X-IE 6-60 PH 52	2-1/2"	300	00376469	00299717
X-IE 6-70 PH 52	2-3/4"	200	00376470	00299718
X-IE 6-75 PH 52	3"	200	00376471	00299719
X-IE 6-80 PH 52	3-1/4"	200	00376472	00299720
X-IE 6-100 PH 52	4"	200	00376474	00299721
X-IE 6-120 PH 72	4-3/4"	150	00376475	-

*Equal quantity of cartridges and fasteners

X-SW Soft Washer Fasteners

For fastening insulation and membranes / plastic sheeting to concrete



Description		Color	Dia. (mm)	Fastener Length	Qty	Non-Combo Item No.	Combo Item No. (1000 fasteners and cartridges) DX 351	DX 36	DX 460
X-SW 30 C-37	①	Gray	30	1-1/2"	150	00040643	-	-	-
X-SW 30 C-37		Gray	30	1-1/2"	500	00040614	00299387	00299387	00299387
X-SW 30 C-37		White	30	1-1/2"	100	00387675	03445258	03445258	03445258
X-SW 30 C-62		Gray	30	2-1/2"	100	00040645	-	00299395	00299395
X-SW 60 C-37		Gray	60	1-1/2"	150	00040617	03437309	03437309	03437309
X-SW 60 C-47		Gray	60	1-7/8"	100	00040618	00299403	00299403	00299403
X-SW 60 C-62		Gray	60	2-1/2"	100	00040619	-	00299407	00299407
X-SW 30 (washer only/no fastener)	②	Gray	30	-	500	00371370			
X-SW 60 (washer only/no fastener)		Gray	60	-	500	00371371			

Conduit Clips

Stand-Off Conduit Clips (no fastener) for use with GX 120-ME, DX 351, DX 36 or DX 460

Description	Dia	Qty	Item No.
X-EMTSC 1/2" MX	1/2"	100	00228338
X-EMTSC 3/4" MX	3/4"	100	00228339
X-EMTSC 1" MX	1"	100	00228340

Conduit Clips (no fastener) for use with GX 120-ME, DX 351, DX 36 or DX 460

Description	Dia	Qty	Item No.
X-BX 3/8 MX	3/8"	200	00228334
X-EMTC 1/2" MX	1/2"	200	00228335
X-EMTC 3/4" MX	3/4"	200	00228336
X-EMTC 1" MX	1"	200	00228337

Conduit Clips with pre-mounted X-C standard fasteners

Description	Conduit Size	Fastener Length	Qty	Non-Combo Item No.	Combo Item No. (1000 fasteners and cartridges) DX 351	DX 36	DX 460
X-EMTC-3/8" C27 Standard	3/8"	1"	100	00226906	03449457	03449457	03449457
X-EMTC-1/2" C27 Standard	1/2"	1"	100	00226905	03449458	03449458	03449458
X-EMTC-3/4" C27 Standard	3/4"	1"	100	00226904	03449459	03449459	03449459
X-EMTC-1" C27 Standard	1"	1"	100	00226903	03449460	03449460	03449460
X-EMTC 3/4" C47 Standard	3/4"	1-7/8"	100	02029717	-	-	-
X-EMTC 1" C47 Standard	1"	1-7/8"	100	02029718	-	-	-

Conduit Clips with pre-mounted X-U premium fasteners

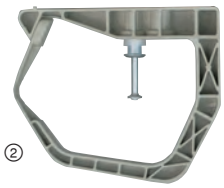
Description	Conduit Size	Fastener Length	Qty	Non-Combo Item No.	Combo Item No. (1000 fasteners and cartridges) DX 351	DX 36	DX 460
X-EMTC-3/8" U22 Premium	3/8"	7/8"	100	00226910	03449453	03449453	03449453
X-EMTC-1/2" U22 Premium	1/2"	7/8"	100	00226909	03449454	03449454	03449454
X-EMTC-3/4" U22 Premium	3/4"	7/8"	100	00226908	03449455	03449455	03449455
X-EMTC-1" U22 Premium	1"	7/8"	100	00226907	03449456	03449456	03449456

Plenum Rated Cable Hangers and Clamps

For telecom/data and premise wiring applications

Hanger with Pre-Mounted Fasteners (ECH Adapter recommended)

Description		Max # of 1/4" cables	Size	Qty	Non-Combo Item No.
X-ECH-F/R-S U37	①	15–22	small	100	00386238
X-ECH-F/R-M U37	①	30–37	medium	100	00386239
X-ECH-F/R-L U37	②	45–52	large	50	00386240



Hanger Only — for use with Drilled Anchors

Description	Max # of 1/4" cables	Size	Qty	Non-Combo Item No.
ECH-F/R-S	15–22	small	100	00266694
ECH-F/R-M	30–37	medium	100	00266695
ECH-F/R-L	45–52	large	50	00266696

Cable Clamps (Plenum Rated)

Description	Max # of cables	Max. Dia. of cables	Qty	Item No.
X-EKB 4 MX	4	1/4"	100	00285712
X-EKB 8 MX	8	1/4"	100	00285713

Adapters

Description	Item No.
ECH Adapter For use with DX 351-ME and DX 460-F8	00304285

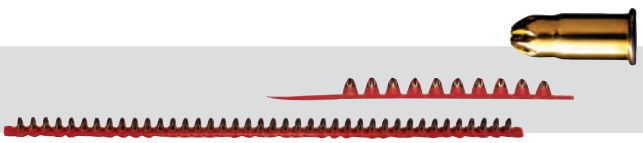
Cable Tie Fastener*

Description	Size	Qty	Non-Combo Item No.
X-ECT MX	1/2"	100	00285709

*Cable tie is not available through Hilti

7

Complete cartridge offering — see page 197



X-CW Ceiling Clip Assemblies with Standard Fasteners

Description	Qty	Wire Bundle Item No.	Qty	Combo Item No.
Ceiling Hanger X-CW C27 4' 12 GA	100	00388432	1000	03442009
Ceiling Hanger X-CW C27 6' 12 GA	100	00388433	1000	03442011
Ceiling Hanger X-CW C27 8' 12 GA	100	00388434	1000	03442012
Ceiling Hanger X-CW C27 10' 12 GA	100	00388435	1000	03442113
Ceiling Hanger X-CW C27 12' 12 GA	100	00388436	1000	03442114
Ceiling Hanger X-CW C32 4' 12 GA	100	00388437	1000	03442115
Ceiling Hanger X-CW C32 6' 12 GA	100	00388438	1000	03442116
Ceiling Hanger X-CW C32 8' 12 GA	100	00388439	1000	03442117
Ceiling Hanger X-CW C32 10' 12 GA	100	00388440	1000	03442118
Ceiling Hanger X-CW C32 12' 12 GA	100	00388441	1000	03442119

X-CW Ceiling Clip Assemblies with Premium Fasteners*

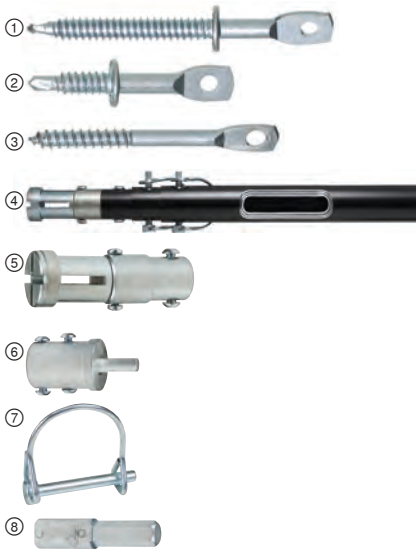
Description	Qty	Wire Bundle Item No.	Qty	Combo Item No.
Ceiling Hanger X-CW U22 4' 12 GA	100	00388442	1000	03442120
Ceiling Hanger X-CW U22 6' 12 GA	100	00388443	1000	03442121
Ceiling Hanger X-CW U22 8' 12 GA	100	00388444	1000	03442122
Ceiling Hanger X-CW U22 10' 12 GA	100	00388445	1000	03442123
Ceiling Hanger X-CW U22 12' 12 GA	100	00388446	1000	03442124
Ceiling Hanger X-CW U27 4' 12 GA	100	00388447	1000	03442125
Ceiling Hanger X-CW U27 6' 12 GA	100	00388448	1000	03442126
Ceiling Hanger X-CW U27 8' 12 GA	100	00388449	1000	03442127
Ceiling Hanger X-CW U27 10' 12 GA	100	00388450	1000	03442128
Ceiling Hanger X-CW U27 12' 12 GA	100	00388451	1000	03442129

* High performance in hard aggregate and high-strength concrete

Eyelag Ceiling Hangers

Description		Shank dia. in. (mm)	Fastener Length in. (mm)	Base Material	Qty	Item No.
Eyelag Screw 1/4 x 2-3/4" Sharp (zinc) *	①	1/4" (6.3)	2-3/4" (70)	Steel deck 20-25 ga. and wood	100	00288574
Eyelag Screw 1/4 x 2" Self-drilling (zinc) *	②	1/4" (6.3)	2" (57)	Steel deck 16-22 ga.	100	00388245
Eyelag Screw 1/4 x 3" Self-drilling (zinc) *		1/4" (6.3)	3" (76)	Steel deck 16-22 ga.	100	00388247
Eyelag Screw 1/4 x 3" Wood Screw (zinc) *	③	1/4" (6.3)	3" (76)	Wood	100	00388249
Eyelag Screw 1/4 x 4" Wood Screw (zinc) *		1/4" (6.3)	4" (102)	Wood	100	00388251
Eyelag Screw 1/4 x 5" Wood Screw (zinc) *		1/4" (6.3)	5" (127)	Wood	100	00388253
Telescopic Screw Ceiling Pole SF PT 4 ft - 12 ft	④				1	00289875
Telescopic Screw Ceiling Pole SF PT 8 ft - 24 ft	④				1	00289876
LM Head Complete Parts for telescopic screw ceiling pole	⑤					00404916
LM Driver (Large) Parts for telescopic screw ceiling pole	⑥					00404917
Wire Bale Pin Parts for telescopic screw ceiling pole	⑦					00404918
LM Driver Stud Parts for telescopic screw ceiling pole	⑧					00404919

* Contact Hilti Technical Service for zinc specifications



CC Ceiling Clips

For suspending ceiling grids and electrical services. Available with or without pre-tied wire

Clip Only (no pre-mounted fastener)

Description		Qty	Non-Combo Item No.	Combo Item No. (1000 fasteners and cartridges) DX 35	DX 351	DX 36	DX 460
X-CC27	①	100	00249696	-	-	-	-
X-CC45	②	100	00343760	-	-	-	-

Clip Only Pre-Mounted with High Performance Fasteners

Description		Shank	Fastener Length	Qty	Non-Combo Item No.	Combo Item No. (1000 fasteners and cartridges) DX 35	DX 351	DX 36	DX 460
X-CC27 U16 P8	③	0 .157"	5/8"	100	00386228	-	-	-	-
X-CC27 U22 P8T	④	0 .157"	7/8"	100	00249700	03478260	03478256	03478256	03478256
X-CC27 U27 P8T		0 .157"	1"	100	00249702	03478261	03478257	03478257	03478257

Clip Only Pre-Mounted with Standard Fasteners

Description	Shank	Fastener Length	Qty	Non-Combo Item No.	Combo Item No. (1000 fasteners and cartridges) DX 35	DX 351	DX 36	DX 460
X-CC27 C27 P8T	0.138"	1"	100	00249697	03478258	03478254	03478254	03478254
X-CC27 C32 P8T	0.138"	1-1/4"	100	00249699	03478259	03478255	03478255	03478255
X-CC27 C47 P8	0.138"	1-7/8"	100	03471903	-	-	-	-

Straight Wires

Description	Qty	Item No.
Wire 4' 12 GA straight	100	00362463
Wire 6' 12 GA straight	100	00362464
Wire 8' 12 GA straight	100	00362465
Wire 10' 12 GA straight	100	00362466
Wire 12' 12 GA straight	100	00362467

Ceiling Clip with 12 gauge wire — no fastener

Description (100 per bundle)	Qty	Item No.
X-CC27 4' 12 GA No Fastener	100	00277345
X-CC27 6' 12 GA No Fastener	100	00277346
X-CC27 8' 12 GA No Fastener	100	00277347
X-CC27 10' 12 GA No Fastener	100	00277348
X-CC27 12' 12 GA No Fastener	100	00277349

Ceiling Clip with pre-mounted fastener and double pre-tied 12 gauge wires

Description (100 per bundle)	Shank Dia.	Fastener Length	Qty	Item No.
X-CC27 U22 6' P8T DBL 12 GA	0.157"	7/8"	100	00280188
X-CC27 U22 8' P8T DBL 12 GA	0.157"	7/8"	100	00280614
X-CC27 U22 12' P8T DBL 12 GA	0.157"	7/8"	100	00281598

Ceiling Clip with pre-mounted fastener and pre-tied 8 gauge wires

Description (100 per bundle)		Shank Dia.	Fastener Length	Qty	Item No.
X-CC27 U27 6' P8T 8 GA	⑤	0.157"	1"	100	00281884
X-CC27 U27 12' P8T 8 GA	⑤	0.157"	1"	100	00287089

Ceiling clip with pre-mounted fastener and pre-tied 9 gauge wires

Description (100 per bundle)		Shank Dia.	Fastener Length	Qty	Item No.
X-CC27 U27 6' P8T 9 GA	⑤	0.157"	1"	100	00289968
X-CC27 U27 12' P8T 9 GA	⑤	0.157"	1"	100	00289969

Complete cartridge offering — see page 197

1/4" Threaded Studs

For fastening to concrete and steel

1/4" Hardened Studs for High Strength Steel

Description	Thread Length	Shank Length	Qty	Non-Combo Item No.	Combo Item No. (1000 fasteners and cartridges)			
					DX 35	DX 351	DX 36M	DX 460
EW6H-11-9FP8	3/8"	11/32"	100	00271973	-	03429084	03429084	03429084
EW6H-20-9FP8	3/4"	11/32"	100	00271971	-	03429085	03429085	03429085
EW6H-28-9FP8	1-1/16"	11/32"	100	00271969	-	03429086	03429086	03429086
EW6H-38-9FP8	1-1/2"	11/32"	100	00271967	-	-	-	03429087

1/4" Studs for Concrete

Description	Thread Length	Shank Length	Qty	Non-Combo Item No.	Combo Item No. (1000 fasteners and cartridges)			
					DX 35	DX 351	DX 36M	DX 460
W6-11-22 FP8	3/8"	7/8"	100	00306486	03005452	03005457	03005457	03005457
W6-11-27 FP8	3/8"	1"	100	00306487	-	03005458	03005458	03005458
W6-20-22 FP8	3/4"	7/8"	100	00306073	-	03005459	03005459	03005459
W6-20-27 FP8	3/4"	1"	100	00306074	-	03005460	03005460	03005460
W6-38-27 FP8	1-1/2"	1"	100	00306075	-	-	-	-

3/8" Threaded Studs

For fastening to concrete and steel

3/8" Studs for Concrete

Description	Thread Length	Shank Length	Qty	Non-Combo Item No.	Combo Item No. (1000 fasteners and cartridges)	
					DX 600N	DX 460-F10
W10-30-27P10	1-3/16"	1"	100	00026472	00299261	00299265
W10-30-32P10	1-3/16"	1-1/4"	100	00026473	00299262	00299266
W10-30-42P10	1-3/16"	1-5/8"	100	00026476	00299263	00299267

3/8" Studs for Steel

Description	Thread Length	Shank Length	Qty	Non-Combo Item No.	Combo Item No. (1000 fasteners and cartridges)	
					DX 600N	DX 460-F10
EW10H-30-14P10	1-3/16"	37/64"	100	00271985	00299264	00299268

3/8" Studs for Concrete with Rod Coupler

Description	Thread Length	Shank Length	Qty	Non-Combo Item No.	Combo Item No. (1000 fasteners and cartridges)	
					DX 600N	DX 460-F10
W10-30-27P10	1-3/16"	1"	1000	-	00299269	00299273
W10-30-32P10	1-3/16"	1-1/4"	1000	-	00299270	00299274

3/8" Studs for Steel with Rod Coupler

Description	Thread Length	Shank Length	Qty	Non-Combo Item No.	Combo Item No.	
					DX 600N	DX 460-F10
EW10H-30-14P10	1-3/16"	37/64"	1000	-	00299272	00299276

Accessories

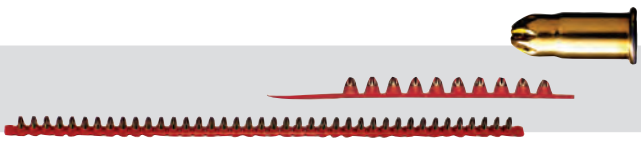
Nuts and Washers

Description	Qty	Item No.
Nuts and Washers 1/4" for use with W6 studs	100	00069850
Nuts and Washers 3/8" for use with W10 studs	100	00069851
Coupler 3/8-16 (use with 3/8" threaded studs or rod)	100	00058387
Coupler 1/4-20 (use with 1/4" threaded studs or rod)	100	00411746

Washers and Washer Holders

Description	Qty	Item No.
X-120 PHP Platon Plug Adapter	1	00039545
X-120 PHD Delta™ FAST®ner Adapter	1	00036540
Magnetic Washer Holder X-120 WH (use with GX 120)	1	00039619
Washer Holder X-460WH 23/36 (use with MX 72 magazine)	1	00373331
Universal Plastic Washer X-ET MX	250	00285718
R-23 7/8" Washer	100	00051731
R-23 7/8" Washer — Bulk (10 x 100)	1000	00376711
R-36 1-7/16" Washer	50	00051741
R-36 1-7/16" Washer — Bulk (20 x 50)	1000	00376712
R-36 1-7/16" Economy Washer (use with GX120 or DX 460 washer holder (00373331)	1000	00407951
R-23 7/8" Economy Washer (use with GX120 or DX 460 washer holder (00373331)	1000	00407950

Complete cartridge offering — see page 197



Pole Tools and Accessories

Description	GX 120	DX 315-CT	DX 36	DX 35	DX 351 Series	DX 460 Series	DX 462 Marking	DX 76-MX Series	DX 860 Series	Item No.
X-PT 351 Modular Pole Tool Includes grip section assembly (1.9 ft), receptacle assembly (1.75 ft), and 3 ft pipe section					■					00333310
X-PT 351 Receptacle					■					00333312
X-PT 460 Modular Pole Tool Includes grip section assembly (1.9 ft), receptacle assembly (1.75 ft), and 3 ft pipe section						■	■			00371661
X-PT 460 Receptacle						■	■			00371663
X-PT 35/350 Modular Pole Tool Includes grip section assembly (1.9 ft), receptacle assembly (1.75 ft), and 3 ft pipe section				■						00309067
X-PT 35/350 Receptacle				■						00309508
X-PT GX 120 Modular pole tool Includes grip section assembly (1.9 ft), receptacle assembly (1.75 ft) and 3 ft pipe section	■									03460197
X-PT GX ME Receptacle	■									00419107
X-PT Grip Section	■			■	■	■	■			00254687
X-PT 1 FT Pipe Section	■			■	■	■	■			00254685
X-PT 3 FT Pipe Section	■			■	■	■	■			00254684
Grip section X-PT CT-351		■								00387439
Extension tube X-PT CT-351 3 ft		■								00387440
Extension tube X-PT CT-351 1 ft		■								00387441
Hilti Spray Lubricant		■	■	■	■	■	■	■	■	00308976
Safety Glasses — Tinted Meets ANSI Z87.1	■	■	■	■	■	■	■	■	■	00285781
Safety Glasses — Clear Meets ANSI Z87.1	■	■	■	■	■	■	■	■	■	00285780
DX Cleaning Kit Includes 3 brushes, Hilti spray lubricant and cleaning cloth			■	■						00259271
DX 460 Cleaning Kit						■	■			00372810
DX 351 Cleaning Kit		■			■					02003832
DX 76/860 Cleaning Kit								■	■	00371379
Flat Cleaning Brush		■	■	■	■	■	■	■	■	00003206

Hilti. Outperform. Outlast.

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Powder-Actuated Fastening Cartridge Selection

Commitment to Quality: Producing a high-quality cartridge means each component of the process — driving power, firing sensitivity, propellant specification and magazine strength— is correct.

Hilti powder-actuated tools pair with Hilti cartridges and fasteners to produce the best powder-actuated fastening systems in the industry! The highest quality fastenings combined with safety, reliability and low maintenance make Hilti fastening systems the first choice for construction professionals.

.22 Caliber Cartridge — Single

For Use with:	Description	Power Level	Qty	Item No.
DX E72	5.6/16 Brown — Extra light	2	100	00050396
	5.6/16 Green — Light	3	100	00050397
	5.6/16 Yellow — Medium	4	100	00050398

.25 Caliber Cartridge — Short (strips of 10 each)

For Use with:	Description	Power Level	Qty	Item No.	Qty	Bulk Item No.
DX 35	6.3/10 M Green — Light	3	100	00050106	1000	00050115
	6.3/10 M Yellow — Medium	4	100	00050107	1000	00050116
	6.3/10 M Red — Heavy	5	100	00050108	1000	00050117

.27 Caliber Cartridge — Short (strips of 10 each)

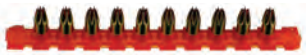
For Use with:	Description	Power Level	Qty	Item No.	Qty	Bulk Item No.
DX 351 DX 36 DX 460 Series DX 460 SM DX 462 CM/HM*	6.8/11 M White — Extra Light***	2	100	00333318	-	-
	6.8/11 M Green — Light	3	100	00050351	1000	00050371
	6.8/11 M Yellow — Medium	4	100	00050352	1000	00050372
	6.8/11 M Red — Heavy	5	100	00050353	1000	00050373
	6.8/11 M Black — Extra Heavy**	6	100	00050354	1000	00050376

* Green/Yellow Only ** Black/6 for use with DX 460 only *** For use with DX 351 only

.27 Caliber Cartridge — Short (strips of 40 each)

For Use with:	Description	Power Level	Qty	Item No.
DX 860-HSN	6.8/11 M-40 Yellow — Medium *	4	400	00305955
	6.8/11 M-40 Black — Extra Heavy	6	400	00305957

*Optimal power level for tool performance



.27 Caliber Cartridge — Long (single)

For Use with:	Description	Power Level	Qty	Item No.
DX 600N	6.8/18 Yellow — Medium	4	100	00050316
	6.8/18 Red — Heavy	5	100	00050317
	6.8/18 Black — Extra Heavy	6	100	00050506

.27 Caliber Cartridge — Long (strips of 10 each)

For Use with:	Description	Power Level	Qty	Item No.
DX 76 DX 76-MX	6.8/18 M Yellow — Medium	4	100	00050602
	6.8/18 M Blue — Medium-Heavy *	4.5	100	00050606
	6.8/18 M Red — Heavy	5	100	00050603
	6.8/18 M Black — Extra Heavy	6	100	00050604

*Optimal power level for tool performance

.27 Caliber Cartridge — Long (strips of 40 each)

For Use with:	Description	Power Level	Qty	Item No.
DX 860 ENP-L	6.8/18 M-40 Blue — Medium-Heavy *	4.5	400	00258970
	6.8/18 M-40 Red — Heavy	5	400	00258971
	6.8/18 M-40 Black — Extra Heavy	6	400	00258972

*Optimal power level for tool performance

Anchoring Systems

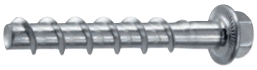
Hilti. Outperform. Outlast.

Adhesive Anchors

Adhesive Anchor Selector Chart 201
HIT-HY 150 MAX-SD Fast Cure Hybrid Adhesive 202
HIT-HY 150 MAX Fast Cure Hybrid Adhesive 203
HAS Rods, HIS Inserts and HIT-TZ Rods 205
HIT-RE 500-SD Epoxy Adhesive 206
HIT-RE 500 Epoxy Adhesive 207
HIT-ICE Cold Weather Adhesive 208
HIT-HY 70 Hybrid Adhesive 210
Threaded Anchors, Internally Threaded Inserts and Mesh Sleeves 211
HTE 50 Transportation Epoxy 212
HVU Adhesive Capsule 214
HIT-HY 10 PLUS Adhesive Anchor 215
HFX Hybrid Adhesive 216
Dispensers 217
HIT Profi System 218

Heavy Duty Mechanical Anchors

Mechanical Anchor Selector Chart 221
HDA Undercut Anchor 222
HSL-3 Heavy Duty Expansion Anchor 224



Medium Duty Mechanical Anchors

Mechanical Anchor Selector Chart 221
KWIK HUS-EZ Screw Anchor 226
KWIK-HUS Screw Anchor 227
KB-TZ Kwik Bolt TZ Expansion Anchor 228
KB3 Kwik Bolt 3 Expansion Anchor 230
HLC Sleeve Anchor 234
HCA Reusable Coil Anchor 236
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HCI-WF/MD Cast-In Anchors 240

Light Duty Mechanical Anchors

Light-duty Anchor Selector Chart 241
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HMH Metal Hit Anchor 244
HPS-1 Impact Anchor 245
HTB TOGGLER® Bolt 246
Kwik Tog Drywall Anchor 246
HSP / HFP Self-Drilling Drywall Anchor 247
IDP Insulation Anchor 247
HUD-1 / HUD-L Universal Plastic Anchor 248

Setting the standard with products and education

In addition to many industry firsts, Hilti leads the way in sharing our knowledge and experience by educating users on the various aspects of adhesive anchor systems.

When comparing adhesive anchor systems, users should give special consideration to the following key properties:

- Cure time
- Bond strength
- Sustained load resistance
- Installation procedure
- Temperature sensitivity
- Inspection requirements

Hilti leads the way . . .

1971	The **first** Hilti Kwik Bolts were sold
1972	Hilti invented the **world's first** drop in anchor
1977	Hilti developed the **first** anchor for use in tension zones (cracked concrete)
1977	Hilti launched the **first** HSL heavy duty expansion anchor
1982	Hilti introduced HIT, the **world's first** adhesive anchor in a cartridge system
1987	The HSL heavy duty expansion anchor was enhanced to work in cracked concrete
1989	Hilti developed the **first** self-undercutting anchor
1991	Hilti launched the **world's first** wedge-type anchor with an approval for use in tension zones (cracked concrete)
1994	Hilti revolutionized the injection technique with a new dispensing system and high-performing, styrene-free adhesives: Hilti HIT-HY 150 and HIT-HY 20
2001	HIT-RE 500 was launched and remains the leading epoxy adhesive anchor system in the industry
2004	HDA and HSL 3 were the **first** mechanical anchors to qualify for cracked concrete under AC193, 28 months ahead of other manufacturers
2004	Hilti introduced PROFIS Anchor, the **first** anchor design software to perform strength design calculations for both mechanical and adhesive anchors
2005	KB-TZ was the **first** wedge-type anchor to qualify under AC193 for cracked concrete
2007	HIT-RE 500-SD became the **first** adhesive anchor system qualified under AC308 for cracked concrete
2010	HIT-HY 150 MAX-SD launched as the **first** fast cure adhesive anchor system qualified under AC 308 for cracked concrete in all seismic zones
2011	Hilti introduced KWIK HUS and KWIK HUS-EZ screw anchors featuring the **world's first** 1/4" cracked concrete approval for all seismic zones

Adhesive Anchor Selector Chart

		Size		Head Type			Base Material				Corrosion Resistance			Features		Approvals
		Minimum Size	Maximum Size	Stud (Externally Threaded)	Flush or Internally Threaded	Rebar	Concrete	Lightweight Concrete	Grout-filled Block	Hollow Block/Brick	Hot-dip Galvanized Steel	304 Stainless Steel	316 Stainless Steel	Seismic (per ICC-ES)	Cracked Concrete (per ICC-ES)	1: FM 2: UL 3a: ICC Concrete 3b: ICC Grouted Masonry 3c: ICC Hollow Masonry 4: COLA 5: Miami-Dade 6: NSF 61
HIT HY 150 MAX-SD ** Hybrid Adhesive		3/8"	1"	■		■	■	■			■	■	■	■	■	3a, 4, 6
HIT HY 150 MAX ** Hybrid Adhesive		3/8"	1-1/4"	■	■	■	■	■	■	□	■	■	■			3a, 3b, 4, 5, 6
HIT RE 500-SD ** Epoxy Adhesive		3/8"	1-1/4"	■	■	■	■	■			■	■	■	■	■	3a, 4, 6
HIT RE 500 Epoxy Adhesive		3/8"	>1-1/4"	■	■	■	■	□			■	■	■			6
HIT HY 70 * Hybrid Adhesive		1/4"	3/4"	■	■	■			■	■	■	■	■	■		3b*, 3c*
HVU Adhesive Capsule		3/8"	1-1/4"	■	■	■	■	□	□		■	■	■			6
HIT-ICE Cold Weather Adhesive		3/8"	1-1/4"	■	■	■	■	■	■	□	■	■	■			
HIT-HY 10 PLUS Hybrid Adhesive		3/8"	3/4"	■	■	■	■	□	■	■	■	■	■			
HFX Hybrid Adhesive		3/8"	1/2"	■	■	■	■	□	■	■	■	■	■			

■ Very Suitable □ Application Specific Suitable * Approval pending ** 2009 IBC Compliant Anchor 2006 IBC Compliant Anchor

8

HIT-HY 150 MAX-SD Fast Cure Hybrid Adhesive

Gel/Full Cure Time Table (Approximate)

Base Material Temperature			
° F	° C	t_{gel}	t_{cure}
14	-10	180 min	12 hrs
23	-5	40 min	4 hrs
32	0	20 min	2 hrs
50	10	8 min	1 hrs
68	20	5 min	30 min
86	30	3 min	30 min
104	40	2 min	30 min

Features and Applications

- First fast-cure adhesive anchor to comply with the latest building code, offering designers a strength design solution for anchors and rebar
- Fast cure time of 30 min @ 68° F (20° C)
- Cold weather installation, 14° F base material temperature
- All seismic design categories and cracked concrete approval for maximum versatility

2003 IBC Compliant Anchor | 2006 IBC Compliant Anchor | 2009 IBC Compliant Anchor

NSF | U.S. Green Building Council LEED USGBC

Proudly use high-quality, Hilti tested anchor rods and inserts on your projects. See page 205

Technical Data	HIT-HY 150 MAX-SD
Product	Hybrid Urethane Methacrylate
Base material temperature	14°F to 104°F (-10°C to 40°C)
Diameter range	3/8" to 1"

Listings/Approvals
- ICC-ES (International Code Council) - ESR-3013
- COLA (City of Los Angeles) RR 25881
- NSF/ANSI standard 61 - Certification for potable water

Package volume
- Volume of HIT 11.1 fl oz/330 ml foil pack is 20.1 in^3
- Volume of HIT 16.9 fl oz/500 ml foil pack is 30.5 in^3
- Volume of HIT 47.3 fl oz/1400 ml Jumbo foil pack is 85.4 in^3

Order Information

Description	Package Contents	Qty	Item No.
HIT-HY 150 MAX-SD (11.1 fl oz/330 ml)	Includes (1) foil pack with (1) mixer and 3/8" filler tube per pack	1	00423177
HIT-HY 150 MAX-SD (11.1 fl oz/330 ml) MC	Includes (1) master carton containing 25 foil packs with (1) mixer and 3/8" filler tube per pack	25	03462596
HIT-HY 150 MAX-SD Combo (11.1 oz/330 ml)	Includes (1) master carton containing 25 foil packs with 1 mixer and 3/8" filler tube per pack and (1) MD 2500 Manual Dispenser	25	03462791
HIT-HY 150 MAX-SD (16.9 fl oz/500 ml) MC	Includes (1) master carton containing 20 foil packs with 1 mixer and 3/8" filler tube per pack	20	00423178
HIT-HY 150 MAX-SD Combo (16.9 oz/500 ml)	Includes (2) master cartons containing 20 foil packs each with 1 mixer and 3/8" filler tube per pack and (1) MD 2500 Manual Dispenser	40	03462883
HIT-HY 150 MAX-SD (16.9 fl oz/500 ml) MC (5) + ED 3500-A CPC Cordless Dispenser Kit	Includes (5) master cartons containing 20 foil packs each with 1 mixer and 3/8" filler tube per pack, (1) ED 3500-A CPC Cordless Dispenser, (2) B 144 2.6-Ah Li-Ion batteries and (1) C 4/36 Li-Ion charger	100	03462886
HIT-HY 150 MAX-SD Jumbo (47.3 fl oz/1400 ml)	Includes (4) jumbo foil packs with (1) mixer and 3/8" filler tube per pack	4	00423179
HIT-HY 150 MAX-SD (47.3 fl oz/1400 ml) MC (16) + P 8000 Pneumatic Dispenser — 1 pallet	Includes (16) master cartons containing 4 jumbo foil packs each with 1 mixer and 3/8" filler tube per pack and (1) P 8000 Pneumatic Dispenser	64	03462887
HIT-RE-M Mixer	For use with HIT-HY 150 MAX-SD cartridges	1	00337111

HIT-HY 150 MAX Fast Cure Hybrid Adhesive

Gel/Full Cure Time Table (Approximate)

Base Material Temperature			
° F	° C	t_{gel}	t_{cure}
14	-10	100 min	12 hrs
23	-5	40 min	4 hrs
32	0	20 min	2 hrs
50	10	8 min	1 hrs
68	20	6 min	30 min
86	30	3 min	30 min
104	40	2 min	30 min

Features and Applications

- For use with uncracked concrete and grouted masonry
- May be used for oversized holes up to 1/4" larger than rod size
- Allows for dependable fastening and a quick cure over a wide range of temperatures and base materials
- Provides fast and effective means for anchoring rod, rebar and threaded insert into concrete

2003 IBC Compliant Anchor
2006 IBC Compliant Anchor
2009 IBC Compliant Anchor

NSF

Proudly use high-quality, Hilti tested anchor rods and inserts on your projects. See page 205

Technical Data	HIT-HY 150 MAX
Product	Hybrid Urethane Methacrylate
Base material temperature	14° F to 104° F (-10° C to 40° C)
Diameter range	3/8" to 1-1/4"

Listings/Approvals
- ICC-ES (International Code Council) - ESR-1967 for masonry and ESR-2262 for uncracked concrete
- COLA (City of Los Angeles) - RR-25652 and RR-25652M for masonry
- NSF/ANSI standard 61 Certification for potable water

Package volume
- Volume of HIT-HY 150 MAX 11.1 fl oz/330 ml foil pack is 20.1 in^3
- Volume of HIT-HY 150 MAX 16.9 fl oz/500 ml foil pack is 30.5 in^3
- Volume of HIT-HY 150 MAX 47.3 fl oz/1400 ml jumbo foil pack is 85.4 in^3

Order Information

Description	Package Contents	Qty of Foil Packs	Item No.
HIT-HY 150 MAX (11.1 fl oz/330 ml)	Includes 1 foil pack with 1 mixer and 3/8" filler tube per pack	1	00283548
HIT-HY 150 MAX MC (11.1 fl oz/330 ml)	Includes 1 master carton containing 25 foil packs with 1 mixer and 3/8" filler tube per pack	25	03412766
HIT-HY 150 MAX Combo (11.1 fl oz/330 ml)	Includes 1 master carton containing 25 foil packs with 1 mixer and 3/8" filler tube per pack and MD 2500 manual dispenser	25	03444077
HIT-HY 150 MAX MC (16.9 fl oz/500 ml)	Includes 1 master carton containing 20 foil packs with 1 mixer and 3/8" filler tube per pack	20	00283549
HIT-HY 150 MAX Combo (16.9 fl oz/500 ml)	Includes 2 master cartons containing 20 foil packs each with 1 mixer and 3/8" filler tube per pack and the MD 2500 manual dispenser	40	03421199
HIT-HY 150 MAX Jumbo (47.3 fl oz/1400 ml)	Includes 4 jumbo foil packs with 1 mixer and 3/8" filler tube per pack	4	00283550
HIT-HY 150 MAX Jumbo (47.3 fl oz/1400 ml) Pallet Combo	Includes 64 jumbo foil packs with 1 mixer and 3/8" filler tube per pack and a P8000 pneumatic dispenser	64	03435089
HIT-RE-M Static Mixer	For use with HIT-HY 150 MAX cartridges	1	00337111

Are Hilti HIT-HY 150 MAX and MAX-SD epoxies?

No. Hilti HIT-HY 150 MAX and MAX-SD utilize a unique hybrid technology combining Urethane Methacrylate chemistry with cement and water. They do not use an epoxy-based chemistry like the Hilti HIT-RE 500 family of adhesive anchor systems.

What is the difference between Hilti HIT-HY 150 MAX and an epoxy?

Hilti HIT-HY 150 MAX is a fast cure system which has a full cure time of approximately 30 minutes at 68° F. This means that you can attach your fixture and torque the nut and washer very quickly, which can greatly improve contractor productivity. Epoxy based adhesives such as Hilti HIT-RE 500 typically require 12 hours to cure while many other epoxy-based adhesives require 24 hours or more at 68° F.

Why should I use Hilti HIT-HY 150 MAX?

Hilti HIT adhesive anchor systems, including the HY 150 family of adhesive anchor systems, have been used all over the world for millions of fastening points.

Hilti HIT-HY 150 MAX represents Hilti's latest innovation based on decades of industry-leading knowledge and experience. The wide temperature range and short cure time are key advantages to the Hilti system.

Specification Table — HIT-HY 150 MAX[3, 4, 6]

HAS-E, HAS Super or HAS SS Rods[3]

			Approximate Number Fastenings/Foil Pack[5]			Allowable Loads (lb) ≥ 4000 psi Concrete	
Anchor Diameteri	Hole Dia	Std Embed	11.1 fl oz (330 ml)	16.9 fl oz (500 ml)	47.3 fl oz (1400 ml)	Tension	Shear
3/8"	7/16"	3-3/8"	52	84	255	3055	4460
1/2"	9/16"	4-1/2"	28	45	137	4980	7935
5/8"	3/4"	5-5/8"	11	18	55	8410	12395
3/4"	7/8"	6-3/4"	7	12	37	9985	17840
7/8"	1"	7-7/8"	5	9	27	14815	24290
1"	1-1/8"	9"	4	6	19	17475	31720
1-1/4"	1-3/8"	11-1/4"	2	4	12	30085	49570

HIS-N or HIS-RN Internally Threaded Inserts[3, 4]

			Approximate Number Fastenings/Foil Pack[5]			Allowable Loads (lb) ≥ 4000 psi Concrete	
Anchor Diameter	Hole Dia	Std Embed	11.1 fl oz (330 ml)	16.9 fl oz (500 ml)	47.3 fl oz (1400 ml)	Tension	Shear
3/8"	11/16"	4-3/8"	27	49	168	2875	1605
1/2"	7/8"	5"	16	30	105	4890	3040
5/8"	1-1/8"	6-5/8"	6	11	38	7430	4575
3/4"	1-1/4"	8-1/4"	4	7	27	9920	6305

HIT-TZ Threaded Rods[6, 7]

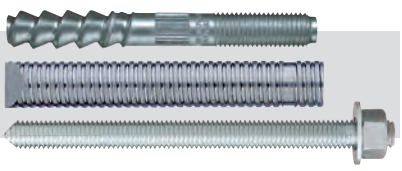
			Approximate Number Fastenings/Foil Pack[5]			Allowable Loads (lb) ≥ 4000 psi Concrete	
Anchor Diameter	Hole Dia	Std Embed	11.1 fl oz (330 ml)	16.9 fl oz (500 ml)	47.3 fl oz (1400 ml)	Tension	Shear
3/8"	7/16"	2-7/8"	61	98	299	2255	2415
1/2"	9/16"	3-1/2"	36	58	176	3020	3680
5/8"	11/16"	4"	23	36	111	5750	4935
3/4"	13/16"	5-1/4"	14	22	67	7275	8275

Rebar[1, 2]

			Approximate Number Fastenings/Foil Pack[5]			Grade 60 Rebar ≥ 4000 psi Concrete	
Rebar Size	Hole Dia	Std Embed	11.1 fl oz (330 ml)	16.9 fl oz (500 ml)	47.3 fl oz (1400 ml)	Ultimate Bond[8] Strength (lb)	Rebar Yield Strength (lb)
#3	1/2"	3-3/8"	45	72	221	8240	6600
#4	5/8"	4-1/2"	25	41	125	14840	12000
#5	3/4"	5-5/8"	16	26	81	25060	18600
#6	7/8"	6-3/4"	11	18	56	27080	26400
#7	1"	7-7/8"	8	13	41	40360	36000
#8	1-1/8"	9"	6	10	30	58860	47450
#9	1-3/8"	10-1/8"	3	4	14	68580	60000
#10	1-1/2"	11-1/4"	2	3	11	80520	76200

* For HIT Volume Charts, see Hilti Product Technical Guide
1 Drill bit diameter may vary due to rebar tolerances. Use smallest practical drill bit for each size rebar
2 Refer to Hilti Product Technical Guide or contact Technical Service Specialist for embedments to develop ultimate tensile capacities of rebar, and additional technical information
3 Values shown are for adhesive bond strength. Compare to allowable tensile strength for your intended threaded rod (refer to Hilti Product Technical Guide), and use the lower value
4 Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data
5 Assumes no waste
6 For information on using diamond core bits, contact Hilti.
7 HIT-TZ must be installed at temperature >40° F with HIT-HY 150 MAX
8 Use appropriate safety factor of ≥ 4

For a complete listing of Hilti HAS Rods, HIS Inserts and HIT-TZ Rods — see page 205



Threaded Anchors for Hilti Chemical Anchor Systems

HAS-E Rods 5.8 Steel					HAS Super A 193, B7 High Strength Steel			HAS-R 304 Stainless Steel			HAS-R 316 Stainless Steel		
Description	Qty	Item No.	Qty	Master Carton	Description	Qty	Item No	Description	Qty	Item No.	Description	Qty	Item No.
3/8" x 4-3/8"	10	00385418	240	03432179	-	-	-	-	-	-	-	-	-
3/8"x 5-1/8"	20	00385419	200	03432180	**3/8" x 5-1/8"**	10	00068657	**3/8" x 5-1/8"**	20	00385462	**3/8" x 5-1/8"**	10	00408981
3/8" x 8"	10	00385420	160	03432181	-	-	-	**3/8" x 8"**	10	00385463	-	-	-
3/8" x 12"	10	00385421	90	03432182	-	-	-	-	-	-	**3/8" x 8"**	10	00408982
1/2" x 3-1/8"	10	00385422	240	03432183	-	-	-	-	-	-	-	-	-
1/2" x 4-1/2"	10	00385423	160	03432184	-	-	-	-	-	-	-	-	-
1/2" x 6-1/2"	20	00385424	160	03432185	**1/2" x 6-1/2"**	10	00068658	**1/2" x 6-1/2"**	20	00385464	**1/2" x 6-1/2"**	10	00408983
1/2"x 8"	10	00385425	120	03432239	-	-	-	**1/2" x 8"**	10	00385465	**1/2" x 8"**	10	00408984
1/2" x 10"	10	00385426	120	03432186	-	-	-	**1/2" x 10"**	10	00385466	**1/2" x 11" ***	10	00403909
1/2" x 12"	10	00385427	80	03432187	-	-	-	-	-	-	**1/2" x 12"**	10	00408985
5/8" x 8"	20	00385428	80	03432188	**5/8" x 7-5/8"**	10	00333783	**5/8" x 7-5/8"**	20	00385467	**5/8" x 7-5/8"**	10	00408986
5/8" x 9"	10	00385429	60	03432189	-	-	-	**5/8" x 10"**	10	00385468	**5/8" x 9"**	10	00408987
5/8" x 12"	10	00385430	60	03432190	-	-	-	-	-	-	**5/8" x 12"**	10	00408988
5/8" x 17"	10	00385431	40	03432191	-	-	-	-	-	-	-	-	-
3/4" x 10"	10	00385432	40	03432052	**3/4" x 9-5/8"**	5	00068660	**3/4" x 9-5/8"**	10	00385469	**3/4" x 9-5/8" ***	5	00403912
3/4" x 11"	10	00385433	30	03432163	-	-	-	-	-	-	**3/4" x 10"**	5	00408989
3/4" x 12"	10	00385434	30	03432164	-	-	-	**3/4" x 12"**	10	00385470	-	-	-
3/4" x 14"	10	00385435	30	03432165	**3/4" x 14" ***	5	00403901	**3/4" x 14"**	10	00385471	**3/4" x 16"**	5	00408990
3/4" x 17"	10	00385436	20	03432166	-	-	-	**3/4" x 16"**	10	00385472			
3/4" x 19"	10	00385437	20	03432167	-	-	-	-	-	-	-	-	-
3/4" x 21"	10	00385438	20	03432168	-	-	-	-	-	-	-	-	-
3/4" x 25"	10	00385439	20	03432169	-	-	-	-	-	-			
7/8" x 10"	10	00385440	20	03432170	**7/8" x 10" (HDG)**	5	00068661	**7/8" x 10"**	10	00385473	**7/8" x 10"**	5	00408991
-	-	-	-	-	**7/8" x 12" (HDG) ***	5	00403902	-	-	-	-	-	-
7/8" x 13"	10	00385441	20	03432171	**7/8" x 16" (HDG)**	5	00045259	-	-	-	**7/8" x 10"**	5	00408991
1" x 12"	4	00385442	16	03432172	**1" x 12"**	5	00068662	**1" x 12"**	4	00385474	**1" x 12" ***	4	00408993
1" x 14"	2	00385443	16	03432173	**1" x 14" ***	5	00403903	-	-	-	-	-	-
1" x 16"	2	00385444	12	03432174	**1" x 16" ***	5	00403904	-	-	-	**1" x 16" ***	4	00408995
1" x 20"	2	00385445	12	03432175	**1" x 21" ***	5	00403905	-	-	-	**1" x 20" ***	4	00408997
1-1/4" x 16"	4	00385446	8	03432176	**1-1/4" x 16"**	4	00333779	-	-	-	-	-	-
1-1/4" x 22"	4	00385447	8	03432177	**1-1/4" x 23" ***	4	00403906	-	-	-	-	-	-

*Item not returnable

8

HIS-N Carbon Steel and HIS-RN 316 Stainless Steel Internally Threaded Inserts

Description	Useable Thread Length (in)	Qty	HIS Item No.	Qty	HIS-R Item No.
3/8" x 4-1/4"	1"	10	00258020	10	00258029
1/2" x 5"	1-3/16"	5	00258021	5	00258030
5/8" x 6-5/8"	1-1/2"	5	00258022	5	00258031
3/4" x 8-1/4"	2"	5	00258023	5	00258032

Hilti Rods are now stamped on the end to show grade of steel and overall anchor length!

E = ISO 898 Class 5.8 Steel

B = ASTM A 193, Grade B7 Steel

R1 = AISI 304 Stainless Steel

R2 = AISI 316 Stainless Steel

Hilti HIT-TZ Threaded Rod

Description	Threaded Rod Diameter (in)	Bit Diameter (in)	Embed (in)	Maximum Fastening Thickness (in)	Overall Length (in)	Qty	Item No. HIT-TZ Carbon Steel	Qty	Item No. HIT-RTZ 316 Stainless Steel
HIT-TZ 3/8" x 2-7/8"	3/8"	7/16"	2-7/8"	1"	4-1/2"	40	00337484	40	00337498
HIT-TZ 1/2" x 3-1/2"	1/2"	9/16"	3-1/2"	1-1/2"	5-11/16"	24	00337485	24	00337499
HIT-TZ 5/8" x 4-1/2"	5/8"	11/16"	4"	2-1/4"	7-1/16"	16	00337486	16	00337500
HIT-TZ 3/4" x 5-1/4"	3/4"	13/16"	5-1/4"	4-1/16"	10-1/2"	8	00384025	8	00384031

HIT-RE 500-SD Epoxy Adhesive

Gel/Full Cure Time Table (Approximate)

Base Material Temperature			
° F	° C	t_{gel}	t_{cure}
41	5	2.5 hrs	72 hrs
50	10	2 hrs	48 hrs
59	15	1.5 hrs	24 hrs
68	20	30 min	12 hrs
86	30	20 min	8 hrs
104	40	12 min	4 hrs

Features and Applications

- Enables threaded rod and doweling applications in seismic design conditions under the latest building codes
- Offers flexible working time especially in high temperature regions without compromising holding values
- Ideal for deep embedments

2003 IBC Compliant Anchor | 2006 IBC Compliant Anchor | 2009 IBC Compliant Anchor

NSF

Proudly use high-quality, Hilti tested anchor rods and inserts on your projects. See page 205

Technical Data	HIT-RE 500-SD
Product	Epoxy Adhesive
Base material temperature	41° F to 110° F (5° C to 43° C)
Diameter range	3/8" to 1-1/4"

Listings/Approvals
- COLA (City of Los Angeles) - RR-25700
- ICC-ES (International Code Council) - ESR-2322
- NSF/ANSI standard 61 Certification for potable water
- ASTM C881 Type IV, Grade 3, Class A/B/C

Package volume
- Volume of HIT-RE 500-SD 11.1 fl oz/330 ml foil pack is 20.1 in^3
- Volume of HIT-RE 500-SD 16.9 fl oz/500 ml foil pack is 30.5 in^3
- Volume of HIT-RE 500-SD 47.3 fl oz/1400 ml jumbo foil pack is 85.4 in^3

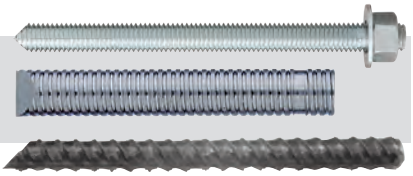
Order Information

Description	Package Contents	Qty of Foil Packs	Item No.
HIT-RE 500-SD (11.1 fl oz/330 ml)	Includes 1 foil pack with 1 mixer and 3/8" filler tube per pack	1	00241382
HIT-RE 500-SD MC (11.1 fl oz/330 ml)	Includes 1 master carton containing 25 foil packs with 1 mixer and 3/8" filler tube per pack	25	03425973
HIT-RE 500-SD Combo (11.1 fl oz/330 ml)	Includes 1 master carton containing 25 foil packs with 1 mixer and 3/8" filler tube per pack and MD 2500 manual dispenser	25	03444075
HIT-RE 500-SD MC (16.9 fl oz/500 ml)	Includes 1 master carton containing 20 foil packs with 1 mixer and 3/8" filler tube per pack	20	00241383
HIT-RE 500-SD Combo (16.9 fl oz/500 ml)	Includes 2 master cartons containing 20 foil packs each with 1 mixer and 3/8" filler tube per pack and the MD 2500 manual dispenser	40	03433546
HIT-RE 500-SD Jumbo (47.3 fl oz/1400 ml)	Includes 4 jumbo foil packs with 1 mixer and 3/8" filler tube per pack	4	00388061
HIT-RE 500-SD Jumbo (47.3 fl oz/1400 ml) Pallet Combo	Includes 64 jumbo foil packs with 1 mixer and 3/8" filler tube per pack and a P8000 pneumatic dispenser	64	03435086
HIT-RE-M Static Mixer	For use with HIT-RE 500-SD cartridges	1	00337111

Why Hilti HIT-RE 500-SD?

- Hilti HIT-RE 500-SD was the industry's **first** adhesive anchor system to meet the latest industry standard, ICC-ES AC308. ICC-ES ESR-2322 recognized Hilti HIT-RE 500-SD for use in seismic design categories A thru F and cracked concrete over 1 year before the competition.
- Hilti HIT-RE 500-SD covers a wide variety of applications with design data for rebar, threaded rods and internally threaded inserts. This innovative epoxy adhesive can be used in damp, water-filled or underwater holes as well as horizontal and overhead installations. When you use Hilti HIT-RE 500-SD, you are using an industry-leading adhesive anchor system from the company that introduced cartridge-based adhesive anchor systems to the world 28 years ago.
- Hilti provides free hands-on training on the jobsite to improve confidence and efficiency.

Use HIT RE-500-SD and HIT-RE 500 with Hilti HAS Rods, HIS Inserts and rebar — see page 205



Hilti. Outperform. Outlast.

HIT-RE 500 Epoxy Adhesive

Features and Applications

- Generous working time of approximately 30 minutes and cure time of only 12 hours at 68° F (20° C)
- Versatile all year with a temperature range from 23° F (-5° C) to 120° F (49° C)
- Provides reliable fastening even when holes are drilled using diamond coring equipment, pneumatic air drills or rotary hammers
- Great for hot climates, deep rebar embedment, underwater or oversized hole applications

Technical Data	HIT-RE 500
Product	Epoxy Adhesive
Base material temperature	23° F to 120° F (-5° C to 49° C)
Diameter range	3/8" to 1-1/4"

Listings/Approvals
- NSF/ANSI standard 61 Certification for potable water
- ASTM C881 Type IV, Grade 3, Class A/B/C
- Various DOT approvals

Package volume
- Volume of HIT-RE 500 11.1 fl oz/330 ml foil pack is 20.1 in³
- Volume of HIT-RE 500 16.9 fl oz/500 ml foil pack is 30.5 in³
- Volume of HIT-RE 500 47.3 fl oz/1400 ml jumbo foil pack is 85.4 in³

Gel/Full Cure Time Table (Approximate)

Base Material Temperature			
° F	° C	t_{gel}	t_{cure}
23	-5	4 hrs	72 hrs
32	0	3 hrs	50 hrs
50	10	2 hrs	24 hrs
68	20	30 min	12 hrs
86	30	20 min	8 hrs
104	40	12 min	4 hrs

Proudly use high-quality, Hilti tested anchor rods and inserts on your projects. See page 205

Order Information

Description	Package Contents	Qty of Foil Packs	Item No.
HIT-RE 500 (11.1 fl oz/330 ml)	Includes 1 foil pack with 1 mixer and 3/8" filler tube per pack	1	00340225
HIT-RE 500 MC (11.1 fl oz/330 ml)	Includes 1 master carton containing 25 foil packs with 1 mixer and 3/8" filler tube per pack	25	00369251
HIT-RE 500 Combo (11.1 fl oz/330 ml)	Includes 1 master carton containing 25 foil packs with 1 mixer and 3/8" filler tube per pack and MD 2500 manual dispenser	25	03444081
HIT-RE 500 MC (16.9 fl oz/500 ml)	Includes 1 master carton containing 20 foil packs with 1 mixer and 3/8" filler tube per pack	20	00369110
HIT-RE 500 Combo (16.9 fl oz/500 ml)	Includes 2 master cartons containing 20 foil packs each with 1 mixer and 3/8" filler tube per pack and the MD 2500 manual dispenser	40	03408933
HIT-RE 500 Jumbo (47.3 fl oz/1400 ml)	Includes 4 jumbo foil packs with 1 mixer and 3/8" filler tube per pack	4	00305716
HIT-RE 500 Jumbo (47.3 fl oz/1400 ml) Pallet Combo	Includes 64 jumbo foil packs with 1 mixer and 3/8" filler tube per pack and a P8000 pneumatic dispenser	64	03001723
HIT-RE-M Static Mixer	For use with HIT-RE 500 cartridges	1	00337111

8

HAS-E, HAS Super or HAS SS Rods[3, 4]

Anchor Diameter	Hole Dia	Std Embed	Approximate Number Fastenings/ Foil pack[5] 11.1 fl oz (330 ml)	16.9 fl oz (500 ml)	47.3 fl oz (1400 ml)	Allowable Loads (lb) ≥ 4000 psi Concrete Tension	Shear
3/8"	7/16"	3-3/8"	52	84	255	2585	4460
1/2"	9/16"	4-1/2"	28	45	137	5275	7935
5/8"	3/4"	5-5/8"	11	18	56	7355	12395
3/4"	7/8"	6-3/4"	7	12	37	10755	17840
7/8"	1"	7-7/8"	5	9	27	15875	24290
1"	1-1/8"	9"	4	6	19	17365	31720
1-1/4"	1-3/8"	11-1/4"	2	4	12	31620	49570

HIS-N or HIS-RN Internally Threaded Inserts[3, 4]

Anchor Diameter	Hole Dia	Std Embed	Approximate Number Fastenings/ Foil pack[5] 11.1 fl oz (330 ml)	16.9 fl oz (500 ml)	47.3 fl oz (1400 ml)	Allowable Loads (lb) ≥ 2000 psi Concrete Tension	Shear
3/8"	11/16"	4-3/8"	27	49	168	2870	1565
1/2"	7/8"	5"	16	30	105	4530	2890
5/8"	1-1/8"	6-5/8"	6	11	38	8255	4635
3/4"	1-1/4"	8-1/4"	4	7	27	9030	6695

Rebar[1, 2, 4]

Rebar Size	Hole Dia	Std Embed	Approximate Number Fastenings/ Foil Pack[5] 11.1 fl oz (330 ml)	16.9 fl oz (500 ml)	47.3 fl oz (1400 ml)	Grade 60 Rebar ≥ 4000 psi Concrete Ultimate[5] Bond Strength (lb)	Rebar Yield Strength (lb)
#3	1/2"	3-3/8"	45	72	221	10810	6600
#4	5/8"	4-1/2"	25	41	125	18540	12000
#5	3/4"	5-5/8"	16	26	81	27790	18600
#6	7/8"	6-3/4"	11	18	56	44675	26400
#7	1"	7-7/8"	8	13	41	59340	36000
#8	1-1/8"	9"	6	10	30	72820	47400
#9	1-3/8"	10-1/8"	3	4	14	81235	60000
#10	1-1/2"	11-1/4"	2	3	11	96725	76200
#11	1-3/4"	12-3/8"	1	2	6	123120	93600

1 Drill bit diameter may vary due to rebar tolerances. Use smallest practical drill bit for each size rebar
2 Refer to Hilti Product Technical Guide or contact Technical Service Specialist for embedments to develop ultimate tensile capacities of rebar, and additional technical information
3 Values shown are for adhesive bond strength. Compare to allowable tensile strength for your intended threaded rod (refer to Hilti Product Technical Guide), and use the lower value
4 Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data
5 Assumes no waste
6 Use appropriate safety factor of ≥ 4

HIT-ICE Cold Weather Adhesive

Gel/Full Cure Time Table (Approximate)

Base Material Temperature			
° F	° C	t_{gel}	t_{cure}
-10	-23	1.5 hrs	36 hrs
0	-18	1.5 hrs	24 hrs
23	-5	40 min	6 hrs
32	0	26 min	4 hrs
41	5	11 min	2 hrs
68	20	4 min	1 hrs
86	30	1.5 min	30 min

Features and Applications

- Solution to performing cold weather installations even when base material temperatures are as low as -10° F (-23° C)
- Dispenses fast and easy even in freezing weather
- For use with anchor rods, rebar and internally threaded rods

Proudly use high-quality, Hilti tested anchor rods and inserts on your projects. See page 205

Technical Data	HIT-ICE
Product	Hybrid Methacrylate
Base material temperature	-10° F to 90° F (-23° C to 32° C)
Diameter range	3/8" to 1-1/4"

Package volume
- Volume of HIT-ICE 10 fl oz/297 ml hard cartridge is 18.1 in^3

Order Information

Description	Package Contents	Qty of Cartridges	Item No.
HIT-ICE (10 fl oz/297 ml)	Includes 1 cartridge and 1 mixer per cartridge	1	00371292
HIT-ICE MC (10 fl oz/297 ml)	Includes 1 master carton containing 24 cartridges and 1 mixer per cartridge	24	00372705
HIT-ICE Combo (10 fl oz/297 ml)	Includes 1 master carton containing 24 cartridges and 1 mixer per cartridge and MD 1000 manual dispenser	24	00372706
HIT-M2 Static Mixer for HIT- ICE	For use with HIT-ICE cartridges	1	00371290

Hilti. Outperform. Outlast.

Specification Table — HIT-ICE[3, 4, 6]

HAS-E, HAS Super or HAS SS Rods

Anchor Diameter	Hole Dia	Std Embed	Approx No. Fastenings/ Cartridge[5]	Allowable Loads ≥ 4000 psi Concrete (lb)	
				Tension	Shear
3/8"	7/16"	3-1/2"	45	2705	4715
1/2"	9/16"	4-1/4"	28	3935	7280
5/8"	11/16"	5"	16	5250	10390
3/4"	13/16"	6-5/8"	9	8885	17355
7/8"	24 mm	7-1/2"	7	11020	22575
1"	1-1/16"	8-1/4"	5	11635	27840
1-1/4"	1-1/2"	12"	2	20770	54610

HIS or HIS-R Internally Threaded Inserts

Anchor Diameter	Hole Dia	Std Embed	Approx No. Fastenings/ Cartridge[5]	Allowable Loads ≥ 4000 psi Concrete (lb)	
				Tension	Shear
3/8"	11/16"	4-3/8"	34	2750	1605
1/2"	7/8"	5"	21	4195	3040
5/8"	1-1/8"	6-5/8"	7	6700	4575
3/4"	1-1/4"	8-1/4"	6	7855	6305

HIT-TZ Threaded Rods[6, 7, 8]

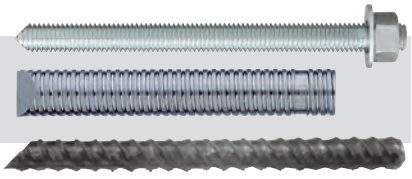
Anchor Diameter	Hole Dia	Std Embed	Approx No. Fastenings/ Cartridge[5]	Allowable Loads ≥ 4000 psi Concrete (lb)	
				Tension	Shear
3/8"	7/16"	2-7/8"	53	2255	2415
1/2"	9/16"	3-1/2"	40	3020	3680
5/8"	11/16"	4"	19	5750	4935
3/4"	13/16"	5-1/4"	11	7275	8275

Rebar[1, 2]

Rebar Size	Hole Dia	Std Embed	Approx No. Fastenings/ Cartridge[5]	Grade 60 Rebar ≥ 4000 psi Concrete	
				Ultimate[9] Bond Strength (lb)	Rebar Yield Strength (lb)
#3	1/2"	3-1/2"	47	8200	6600
#4	5/8"	4“	31	11800	12000
#5	3/4"	5"	20	17700	18600
#6	7/8"	7"	12	28900	26400
#7	1"	7-1/2"	9	35300	36000
#8	1-1/8"	8"	7	42400	47450
#9	1-3/8"	10"	3	61800	60000
#10	1-1/2"	12"	2	77700	76200
#11	1-9/16"	14"	1	99000	93600

1 Drill bit diameter may vary due to rebar tolerances. Use smallest practical drill bit for each size rebar
2 Refer to Hilti Product Technical Guide or contact Technical Service Specialist for embedments to develop ultimate tensile capacities of rebar, and additional technical information
3 Values shown are for adhesive bond strength. Compare to allowable tensile strength for your intended threaded rod (refer to Hilti Product Technical Guide), and use the lower value
4 Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data
5 Assumes no waste
6 Use carbide bits. For use of diamond core bits, contact Hilti. HIT-TZ can be used with Hilti matched tolerance Diamond Core Bits
7 HIT-TZ steel strength values based on ASTM A510 or AISI 316
8 HIT-TZ must be installed at temperature >40° F
9 Use appropriate safety factor of ≥ 4

For a complete listing of Hilti HAS Rods, HIS Inserts and HIT-TZ Rods — see page 205



HIT-HY 70 Hybrid Adhesive

Gel/Full Cure Time Table (Approximate)

Base Material Temperature			
° F	° C	t_{gel}	t_{cure}
23	-5	10 min	6 hrs
32	0	10 min	4 hrs
41	5	10 min	2.5 hrs
68	20	4 min	30 min
86	30	2 min	20 min
104	40	1 min	15 min

Features and Applications

- Allows for dependable fastening and a quick cure over a wide range of temperatures in hollow base materials, solid and grouted masonry
- HY 70 performs reliably where the quality of brick and mortar is inconsistent, even when the size and location of voids are unknown
- HY 70 is suited to solve multi-wythe anchoring problems in renovation and seismic upgrades of unreinforced masonry buildings
- Dispenses quickly and easily even in near freezing temperatures

Technical Data	HIT-HY 70
Product	Hybrid Urethane Methacrylate
Base material temperature	23° F to 104° F (-5° C to 40° C)
Diameter range	1/4" to 3/4"

Listings/Approvals
- ICC-ES (International Code Council) - ESR for hollow masonry, grouted masonry and red clay brick (pending)
- ESR for URM (pending)
- COLA (City of Los Angeles) - RR for URM (pending)

Package volume
- Volume of HIT-HY 70 11.1 fl oz/330 ml foil pack is 20.1 in^3
- Volume of HIT-HY 70 16.9 fl oz/500 ml foil pack is 30.5 in^3

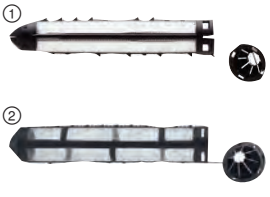
NEW!

Order Information

Description	Package Contents	Qty of Foil Packs	Item No.
HIT-HY 70 (11.1 fl oz/330 ml)	Includes 1 foil pack with 1 mixer and 3/8" filler tube per pack	1	00383680
HIT-HY 70 MC (11.1 fl oz/330 ml)	Includes 1 master carton containing 25 foil packs with 1 mixer and 3/8" filler tube per pack	25	03483932
HIT-HY 70 MC (16.9 fl oz/500 ml)	Includes 1 master carton containing 20 foil packs with 1 mixer and 3/8" filler tube per pack	20	00383684
HIT-HY 70 Combo (16.9 oz/ 500 ml)	Includes 1 master carton containing 20 foil packs with 1 mixer and 3/8" filler tube per pack and MD 2500 manual dispenser	20	03484113
HIT-HY 70 Combo (16.9 fl oz/500 ml)	Includes 2 master cartons containing 20 foil packs each with 1 mixer and 3/8" filler tube per pack and the MD 2500 manual dispenser	40	03484114
HIT-RE-M Static Mixer	For use with HIT-HY 70 cartridges	1	00337111

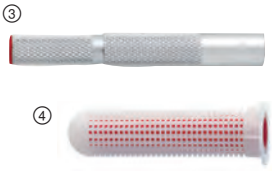
Composite Mesh Sleeves for Hollow Masonry and Brick Material

Description		For use with:	Qty	Actual Dia. (in)	Length (in)	Bit Dia.	Item No.
Mesh sleeve HIT-SC 12x50	①	1/4" dia. rods	20	0.47	1.97	1/2"	00375979
Mesh sleeve HIT-SC 12x85	①	1/4" dia. rods	20	0.47	3.35	1/2"	00375980
Mesh sleeve HIT-SC 16x50	①	5/16", 3/8" dia. rods and 5/16" HIT-IC rods	20	0.63	1.97	5/8"	00375981
Mesh sleeve HIT-SC 16x85	①	5/16", 3/8" dia. rods and 5/16" HIT-IC rods	20	0.63	3.35	5/8"	00375982
Mesh sleeve HIT-SC 18x50	①	1/2" dia. rods	20	0.71	1.97	11/16"	00360485
Mesh sleeve HIT-SC 18x85	①	1/2" dia. rods	20	0.71	3.35	11/16"	00360486
Mesh sleeve HIT-SC 22x50	①	5/8" dia. rods, 3/8" and 1/2" HIT-IC rods	20	0.87	1.97	7/8"	00273662
Mesh sleeve HIT-SC 22x85	①	5/8" dia. rods, 3/8" and 1/2" HIT-IC rods	10	0.87	3.35	7/8"	00284511
Mesh sleeve HIT-SC 26x125	②	3/4" dia. rods	20	1.02	4.92	1"	00360487
Mesh sleeve HIT-SC 26x200	②	3/4" dia. rods	20	1.02	7.87	1"	00360488

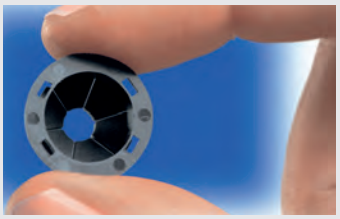


Internally Threaded Inserts for Hollow Masonry, Grouted Masonry and Brick Material

Description		For use with:	Qty	Bit Dia. (in)	Threads per inch	Item No.
Internally Threaded HIT-IC 5/16" x 2"		In hollow material use with HIT-SC 16 x 50	10	5/8"	18	00047945
Internally Threaded HIT-IC 5/16" x 3-3/16"	③	In hollow material use with HIT-SC 16 x 85	10	5/8"	18	00047941
Internally Threaded HIT-IC 3/8" x 2"		In hollow material use with HIT-SC 22 x 50	10	7/8"	16	00047946
Internally Threaded HIT-IC 3/8" x 3-3/16"	③	In hollow material use with HIT-SC 22 x 85	10	7/8"	16	00047942
Internally Threaded HIT-IC 1/2" x 2"		In hollow material use with HIT-SC 22 x 50	10	7/8"	13	00047947
Internally Threaded HIT-IC 1/2" 3-3/16"	③	In hollow material use with HIT-SC 22 x 85	10	7/8"	13	00047943
HIT Combi-Insert HIT-S - 12/I	④	Plastic sleeve for #14 screw	20	1/2"	-	00049766



Customize the sleeve to the length of your application. Different embedment depths are created with minimal effort.



Step 1: Remove the centering ring of any screen tube within the cell.

Step 2: Pierce the tip of the screen tube with the rod intended to be use to check embedment depth.

Step 3: Combine screen tubes to desired length.

Brick with Holes and Hollow Concrete Block

Threaded Rod				Mesh Sleeve		Approximate fastenings per foil pack[1]	
Rod Size 5.8 Grade	Embedment (in)	Qty	Item No.	Bit Diameter (in)	Mesh Sleeve per Fastening	11.1 fl oz (330 ml)	16.9 fl oz (500 ml)
Plastic Sleeve comes for #14 screw	2"	20	00049766	1/2"	(1) HIT S-12/I	25	40
HAS-E 3/8" x 3"	2"	10	00385417	5/8"	(1) SC 16x50	16	26
HAS-E 3/8" x 4-3/8"	3-1/4"	10	00385418	5/8"	(1) SC 16x85	7	12
HAS-E 1/2" x 3-1/8"	2"	10	00385422	11/16"	(1) SC 18x50	9	15
HAS-E 1/2" x 4-1/2"	3-1/4"	10	00385423	11/16"	(1) SC 18x85	4	7

Multi-Wythe Brick Walls

Threaded Rod				Mesh Sleeve		Approximate fastenings per foil pack[1]	
Rod Size 5.8 Grade	Embedment (in)	Qty	Item No.	Bit Diameter (in)	Mesh Sleeve per Fastening	11.1 fl oz (330 ml)	16.9 fl oz (500 ml)
HAS-E 3/8" x 5-1/8"	4"	20	00385419	5/8"	(2) SC 16x50	15	24
HAS-E 3/8" x 8"	6-3/4"	10	00385420	5/8"	(2) SC 16x85	9	14
HAS-E 3/8" x 12"	10"	10	00385421	5/8"	(3) SC 16x85	5	9
HAS-E 1/2" x 8"	6-3/4"	10	00385425	11/16"	(2) SC 18x85	7	11
HAS-E 1/2" x 12"	10"	10	00385427	11/16"	(3) SC 18x85	4	7
HAS-E 5/8" x 8"	6-3/4"	20	00385428	7/8"	(2) SC 22x85	4	7
HAS-E 5/8" x 12"	10"	10	00385430	7/8"	(3) SC 22x85	2	4
HAS-E 3/4" x 10"	8"	10	00385432	1"	(1) SC 26x200	2	4
HAS-E 3/4" x 14"	13"	10	00385435	1"	(1) SC 26x200, (1) SC 26x125	1	2
HAS-E 3/4" x 17	15-3/4"	10	00385436	1"	(2) SC 26x200	1	2
HAS-E 3/4" x 19"	18"	10	00385437	1"	(2) SC 26x125, (1) SC 26 x 200	1	2
HAS-E 3/4" x 25"	23-1/2"	10	00385439	1"	(3) SC 26x200	0	1

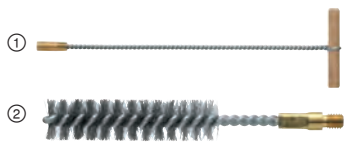
Internally Threaded Inserts

Threaded Rod				Mesh Sleeve		Approximate fastenings per foil pack[1]	
Rod Size 5.8 Grade	Embedment (in)	Qty	Item No.	Bit Diameter (in)	Mesh Sleeve per Fastening	11.1 fl oz (330 ml)	16.9 fl oz (500 ml)
Internally Threaded HIT-IC 5/16" x 2"	2"	10	00047945	5/8"	(1) SC 16x50	16	26
Internally Threaded HIT-IC 5/16" x 3-3/16"	3-1/4"	10	00047941	5/8"	(1) SC 16x85	7	12
Internally Threaded HIT-IC 3/8" x 2"	2"	10	00047946	7/8"	(1) SC 22x50	9	15
Internally Threaded HIT-IC 3/8" x 3-3/16"	3-1/4"	10	00047942	7/8"	(1) SC 22x85	4	7
Internally Threaded HIT-IC 1/2" x 2"	2"	10	00047947	7/8"	(1) SC 22x50	9	15
Internally Threaded HIT-IC 1/2" 3-3/16"	3-1/4"	10	00047943	7/8"	(1) SC 22x85	4	7

1 Assumes use with MD 2500 Manual Dispenser

Cleaning Accessories

Hole Diameter (in)		Round Brush Size (use with HIT-RBH handle — Item No. 00229138) ①	Qty	Item No.
1/2"	②	HIT-RB 1/2"	1	00273204
5/8"	②	HIT-RB 5/8"	1	00273207
11/16"	②	HIT-RB 11/16"	1	00273209
7/8"	②	HIT-RB 7/8"	1	00273211
1"	②	HIT-RB 1"	1	00273212



8

HTE 50 Transportation Epoxy

Features and Applications

- High quality adhesive for multiple applications
- Hard cartridge for added durability
- Transportation applications on roads, bridges, railways and airstrips
- Rebar dowels for concrete pavement
- Concrete repair, widening and renovations

Technical Data	HTE 50
Base material temperature range	41° F to 110° F (5° C to 45° C)
Diameter range (rebar)	#4 to #10
Cure time at 75° F	Approximately 24 hours

Listings/Approvals
- ASTM C881: Type I, II, IV and V, Grade 3, Class A, B and C
- Multiple DOT approvals. Contact Hilti.

Package volume
- 16 oz and 31.8 oz cartridges plus 15 gallon bulk kits

①

②

③

Gel/Full Cure Time Table (Approximate)

Base Material Temperature			
° F	° C	t_{gel}	t_{cure}
41	5	60 min	60 hrs
75	24	20 min	24 hrs
110	43	6 min	20 hrs

Order Information

Description	Package Contents		Qty	Item No.
HTE 50 (16 fl oz / 437 mL)	Includes (1) cartridges mixer per	①	1	03451468
HTE 50 (16 fl oz / 437 mL) MC	Includes (1) master carton containing (20) cartridges with (1) mixer per cartridge	①	20	03451315
HTE 50 (16 fl oz / 437 mL) Combo	Includes (1) master carton containing (20) cartridges with (1) mixer per cartridge and HTE-M16 manual dispenser	①	20	03472743
HTE 50 (31.8 fl oz / 940 mL) MC	Includes (1) master carton containing (10) cartridges with (1) mixer per cartridge	②	10	03451469
HTE 50 (31.8 fl oz / 940 mL) 2 MC Combo	Includes (2) master carton containing (10) cartridges with (1) mixer per cartridge and HTE-M33 manual dispenser	②	20	03472739
HTE 50 (31.8 fl oz / 940 mL) 1/4 Pallet Combo	Includes (90) cartridges with (1) mixer per cartridge and HTE-P33 pneumatic dispenser	②	90	03472737
HTE 50 (15 Gallon / 56.8 liters)	Includes (1) kit containing (2) 5 gallon pails of Part A, (1) 5 gallon pail of Part B and (5) mixing nozzles	③	1	03451304
HTE 50 (15 Gallon / 56.8 liters) (9) Kit Pallet	Includes (9) kits each containing (2) 5 gallon pails of Part A, (1) 5 gallon pail of Part B and (5) mixing nozzles	③	9	03451305
HTE-M Mixer	1 Mixer for use with HTE 50 cartridges and 15 gallon kits		1	00226918

Dispensers

Description	Package Contents	Qty	Item No.
HTE-M16 Manual Dispenser (16 oz)	Manual dispenser for use with the 16 fl oz/ 473 mL cartridges	1	00428532
HTE-M33 Manual Dispenser (31.8 oz)	Manual dispenser for use with the 31.8 fl oz/ 940 mL cartridges	1	00428533
HTE-P33 Pneumatic Dispenser (31.8 oz)	Pneumatic dispenser for use with the 31.8 fl oz/ 940 mL cartridges	1	00428534

*For bulk dispenser ordering information please contact Hilti.

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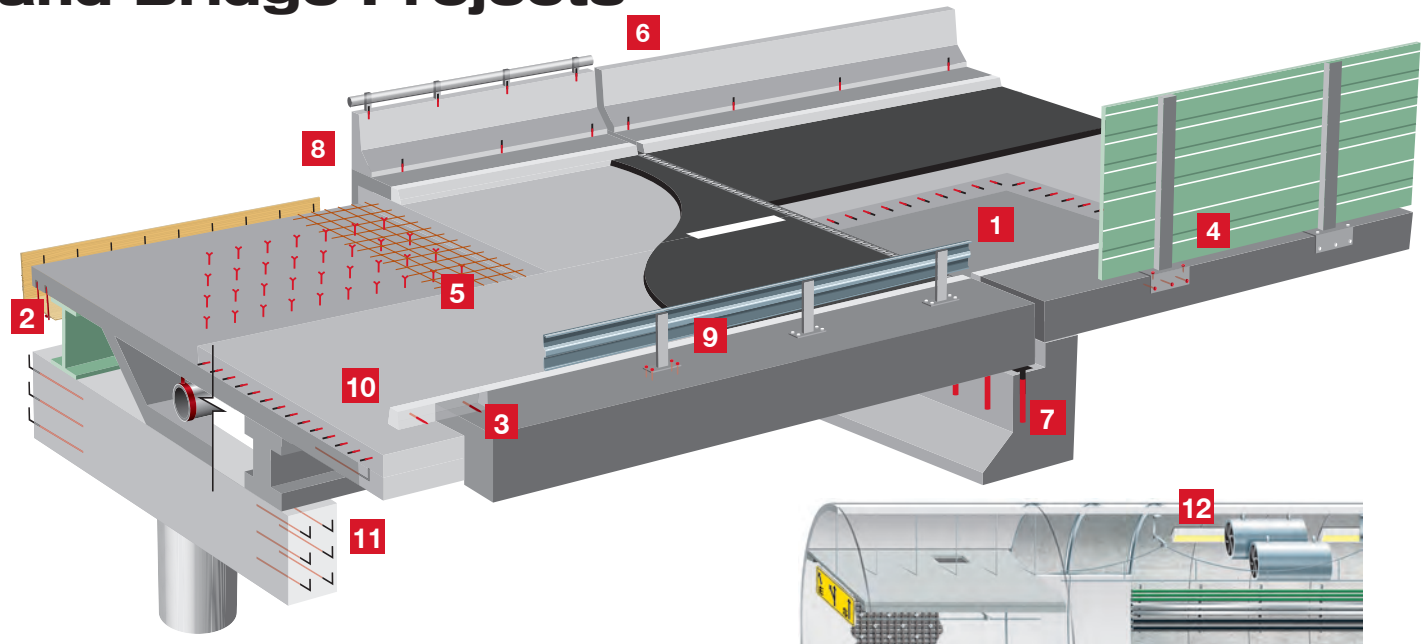
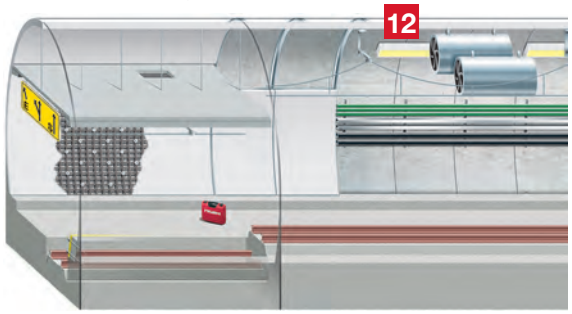
Hilti Solutions for Road and Bridge Projects





Good — Adhesive Performance* — Best

Lower — Performance required by the application* — Higher

Identifier	Application	HTE 50	HY 150 MAX	RE 500-SD
1	Rebar dowels for concrete repair and widening a slab on grade	✓		
2	Fastening temporary formwork	✓		
3	Dowels for miscellaneous concrete, curb and sidewalks	✓		
4	Anchorage of sound barriers	✓		
5	Fasten into existing slab for concrete overlay	✓		
6	Fasten safety railing	✓		
7	Abutment bearing seat anchors	✓	✓	
8	Anchorage of concrete barriers and retaining structures	✓	✓	
9	Anchoring and rebar dowels for concrete safety barriers	✓	✓	
10	Widening of concrete bridge deck		✓	✓
11	Rebar for widening/extending bridge beams and columns		✓	✓
12	Overhead fastenings — signs, tunnel fans, ceiling panels, etc.			✓

* Checkmarks are a general guideline. Project-specific requirements can vary, and necessitate a higher performing adhesive. Project/performance considerations include (but are not limited to), bond strength/capacity, approvals, use in wet/damp/cored holes, tested performance for dynamic loads, cracked concrete conditions, extent of technical documentation, temperature limitations, etc. The project engineer must always verify suitability. Applications that are not checked may be suitable, depending on project requirements — contact Hilti for details. Your local transportation authority may also verify suitability for applications using adhesive anchors.

HVU Adhesive Capsule

Gel/Full Cure Time Table (Approximate)

Base Material Temperature			
° F	° C	t_{gel}	t_{cure}
23	-5	60 min	5 hrs
32	0	30 min	1 hrs
50	10	20 min	30 min
68	20	8 min	20 min

Features and Applications

- High loading capacity
- Small edge distance and anchor spacing allowance
- Excellent dynamic load resistance
- Excellent performance in diamond cored holes
- Excellent performance in freezing and thawing conditions
- No hole brushing required — just blow out the hole with compressed air — makes installation fast and easy
- Fast curing for high productivity

Technical Data	HVU
Product	Urethane Methacrylate
Base material temperature	23° F to 104° F (-5° C to 40° C)
Diameter range	3/8" to 1-1/4"

Listings/Approvals
- NSF/ANSI Standard 61 Certification for use in potable water

HVU Adhesive Capsules

HVU Anchor System with Threaded Rods			Setting Nuts[2,3]					Allowable Loads (lb)[4] ≥ 4000 psi Concrete	
Capsule Size	Qty	Item #	Description	Qty	Item No.	Hole Dia	Std Embed	Tension	Shear
HVU 3/8" x 3-1/2"	10	00256692	**3/8"**	10	00045138	7/16"	3-1/2"	2595	4710
HVU 1/2" x 4-1/4"	10	00256693	**1/2"**	10	00045140	9/16"	4-3/8"	4735	7280
HVU 5/8 x 5"	10	00256694	**5/8"**	5	00045139	11/16"	5"	5245	10390
HVU 3/4" x 6-5/8"	5	00256702	**3/4"**	5	00045141	7/8"	6-5/8"	8615	17355
HVU 7/8" x 6-5/8"	5	00256695	**7/8"**	5	00045142	1"	6-5/8"	9130	18535
HVU 1" x 8-1/4"	5	00256696	**1"**	5	00045143	1-1/8"	8-1/4"	13425	27840
HVU 1-1/4" x 12"	4	00256699	**1-1/4"**	5	00045144	1-3/8"	12"	23920	54610

HAS-E-Rod

HAS Setting Tool Drive Shaft and Socket (Use when setting HAS rods and HIS inserts)

HVU Anchor System with Internal Threaded Inserts			HIS-S Setting Tool[1]					Allowable Loads (lb)[4] ≥ 4000 psi Concrete	
Capsule Size	Qty	Item #	Description	Drive Socket	Item No.	Hole Dia	Std Embed	Tension	Shear
HVU 1/2" x 4-1/4"	10	00256693	**3/8"**	9/16"	00045969	11/16"	4-3/8"	3180	-
HVU 5/8" x 5"	10	00256694	**1/2"**	3/4"	00045970	7/8"	5"	4570	-
HVU 7/8" x 6-5/8"	5	00256695	**5/8"**	15/16"	00045971	1-1/8"	6-5/8"	7460	-
HVU 1" x 8-1/4"	5	00256696	**3/4"**	1-1/8"	00045972	1-1/4"	8-1/4"	9165	-

HIS Insert

HIS Setting Tool

Rebar

Rebar Setting Tool

HVU Anchor System with Rebar				Rebar Setting Tool TE-Y				Grade 60 Rebar ≥ 4000 psi Concrete	
Rebar Size	Capsule Size	Qty	Item #	Description	Item No.	Hole Dia	Std Embed	Ultimate Bond Strength (lb)[4]	Rebar Yield Strength (lb)
#4	**HVU 1/2" x 4-1/4"**	10	00256693	**Rebar Adapter #4**	00220695	5/8"	4-1/4"	12270	12000
#5	**HVU 5/8" x 5"**	10	00256694	**Rebar Adapter #5**	00220696	13/16"	5"	18830	18600
#6	**HVU 7/8" x 6-5/8"**	5	00256695	**Rebar Adapter #6**	00220697	1"	6-5/8"	27470	26400
#7	**HVU 1" x 8-1/4"**	5	00256696	**Rebar Adapter #7**	00220698	1-1/8"	6-5/8"	30910	36000
#8	**HVU 5/8" x 5" and HVU 1" x 8-1/4"** (both capsules needed)	10 5	00256696 00256694	**Rebar Adapter #8**	00220699	1-1/4"	8-1/4"	45360	47400

Setting Tools

	Square Drive Shaft 1/2" Item No. 00032220 TE-C/SDS		Square Drive Shaft 3/4" Item No. 00032221 TE-Y/SDS MAX Item No. 00332169 TE-T/SDS TOP		Square Drive Shaft 1" Item No. 00220693 TE-Y/SDS MAX	
HAS Rod Diameter	Drive Socket	Item No.	Drive Socket	Item No.	Drive Socket	Item No.
3/8"	**9/16" x 1/2"**	00065277	-	-	-	-
1/2"	**3/4" x 1/2"**	00065278	**3/4" x 3/4"**	00065279	-	-
5/8"	**15/16" x 1/2"**	00065280	**15/16" x 3/4"**	00065281	-	-
3/4"	-	-	**1-1/8" x 3/4"**	00065282	-	-
7/8"	-	-	**1-7/16" x 3/4"**	00065283	-	-
1"	-	-	**1-1/2" x 3/4"**	00065284	-	-
1-1/4"	-	-	-	-	**1-7/8" x 1"**	00065285

1 To be used with appropriate drive socket and drive shaft from selector chart in Setting Tools Table. Setting nuts not required with HIS setting tools
2 Setting nuts are required for proper fit of drive socket
3 Setting nuts have a black finished coating except 7/8" which are HDG
4 Values based on adhesive bond strength. Capacity of rod/bolt must be evaluated separately. Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data

Hilti. Outperform. Outlast.

HIT-HY 10 PLUS Adhesive Anchor

Features and Applications

- The next generation of a versatile, fast cure adhesive anchoring solution for basic applications.
- Flexibility to fasten into both solid and hollow concrete and masonry base materials with mesh screens
- Simplify your standard day-to-day fastenings with one adhesive anchor product
- Use one dispenser line for all Hilti HIT Adhesive Anchor Systems

Technical Data	HIT-HY 10 PLUS
Product	Hybrid Urethane Methacrylate
Base material temperature	32° F to 104° F (0° C to 40° C)
Diameter range	3/8" to 3/4"

Package volume
- Volume of HIT-HY 10 PLUS 11.1 fl oz/330 ml foil pack is 20.1 in^3
- Volume of HIT-HY 10 PLUS 16.9 fl oz/500 ml foil pack is 30.5 in^3

Gel/Full Cure Time Table (Approximate)

Base Material Temperature			
° F	° C	t_{gel}	t_{cure}
32	0	10 min	4 hrs
41	5	10 min	2.5 hrs
50	10	8 min	1.5 hrs
68	20	5 min	45 min
86	30	3 min	30 min
104	40	2 min	20 min

Proudly use high-quality, Hilti tested anchor rods and inserts on your projects. See page 205

NEW!

Order Information

Description	Package Contents	Qty of Foil Packs	Item No.
HIT-HY 10 PLUS (11.1 fl oz/330 ml)	Includes 1 foil pack with 1 mixer and 3/8" filler tube per pack	1	00422710
HIT-HY 10 PLUS MC (11.1 fl oz/330 ml)	Includes 25 foil pack with 1 mixer and 3/8" filler tube per pack	25	03465102
HIT-HY 10 PLUS Combo (11.1 fl oz/330 ml)	Includes 25 foil pack with 1 mixer and 3/8" filler tube per pack and MD 2500 Manual Dispenser	25	03465423
HIT-HY 10 PLUS MC (16.9 fl oz/500 ml)	Includes 20 foil pack with 1 mixer and 3/8" filler tube per pack	20	00422711
HIT-HY 10 PLUS Combo (16.9 fl oz/500 ml)	Includes 20 foil pack with 1 mixer and 3/8" filler tube per pack and MD 2500 Manual Dispenser	20	03465424
HIT-RE-M Static Mixer	For use with the HIT-HY 10 PLUS	1	00337111

Composite Mesh Sleeves for Hollow Masonry and Brick Material

Description		For use with:	Qty	Dia. (in)	Length (in)	Bit Dia.	Item No.
Mesh Sleeve HIT-SC 12x50	①	1/4" dia. rods	20	0.47	1.97	1/2"	00375979
Mesh Sleeve HIT-SC 12x85	①	1/4" dia. rods	20	0.47	3.35	1/2"	00375980
Mesh Sleeve HIT-SC 16x50	①	5/16", 3/8" dia. rods and 5/16" HIT-IC rods	20	0.63	1.97	5/8"	00375981
Mesh Sleeve HIT-SC 16x85	①	5/16", 3/8" dia. rods and 5/16" HIT-IC rods	20	0.63	3.35	5/8"	00375982
Mesh Sleeve HIT-SC 18x50	①	1/2" dia. rods	20	0.71	1.97	11/16"	00360485
Mesh Sleeve HIT-SC 18x85	①	1/2" dia. rods	20	0.71	3.35	11/16"	00360486

HAS-E-Rod

Rebar

8

HFX Hybrid Adhesive

Gel/Full Cure Time Table (Approximate)

Base Material Temperature			
° F	° C	t_{gel}	t_{cure}
30	0	20 min	2.5 hrs
50	10	10 min	1 hrs
70	20	5 min	40 min
85	30	3 min	25 min
105	40	1-2 min	15 min

Features and Applications

- Formulated for fast curing and easy installation in a wide range of base materials
- Injects directly into solid base materials and uses Hilti screen tubes for hollow base materials
- Single, self-opening cartridge fits any standard hard cartridge dispenser

Proudly use high-quality, Hilti tested anchor rods and inserts on your projects. See page 205

Technical Data	HFX
Product	Hybrid Urethane Methacrylate
Base material temperature	30°F to 104°F (0°C to 40°C)
Diameter range	Up to 1/2"

Package volume
- Volume of HFX 9.3 fl oz/275 ml hard cartridge is 16.8 in³

Order Information

Description	Package Contents	Qty of Foil Packs	Item No.
HFX Hybrid Adhesive (9.3 fl oz/275 ml)	Includes 1 cartridge and 2 mixers	1	00284266
HFX Hybrid Adhesive MC (9.3 fl oz/275 ml)	Includes 1 master carton containing 12 cartridges with 2 mixers per cartridge	12	03421422
Standard Metal Dispenser	Includes dispenser only	1	00024825
HFX-M Static Mixer	For use with HFX cartridges	1	00284267

HAS Rods

Solid Concrete — 2500 psi

Anchor Diameter	Hole Dia	Std Embed	Approx No. Fastenings/ Cartridge 9.3 fl oz (275 ml)	Allowable Loads ≥ 2000 psi concrete[1]	
				Tension	Shear
3/8"	7/16"	3-3/8"	45	1325	3525
1/2"	9/16"	4-1/2"	24	2360	6270

HIT-A Rod

HIT-S Screen

HAS-E-Rod

HIS Insert

Rebar

HIT-A Standard and HIT-A Short Anchor Rods

Brick with Holes[1]

HIT Rod-A			HIT-S Screen Tube			Hole Dia	Approx. No. Fastenings/ Cartridge [2] 9.3 fl oz (275 ml)	Allowable Loads (lb)[1]	
Description	Qty	Item No.	Description	Qty	Item No.			Tension	Shear
1/4" x 2-1/2"	20	00078739	**S-12 A, 2" Long**	20	00049765	1/2"	31	275	230
5/16" x 4"	10	00088977	**S-16, 3-3/8" Long**	10	00068613	5/8"	8	425	400
3/8" x 4-3/8"	10	00088978	**S-16, 3-3/8" Long**	10	00068613	5/8"	8	580	780
1/2" x 4-1/2"	10	00088979	**S-16, 3-3/8" Long**	10	00068613	5/8"	8	580	1030

Hollow Concrete Block — Lightweight or Normal Weight[1]

HIT Rod-A			HIT-S Screen Tube			Hole Dia	Approx. No. Fastenings/ Cartridge [2] 9.3 fl oz (275 ml)	Allowable Loads (lb)[1]	
Description	Qty	Item No.	Description	Qty	Item No.			Tension	Shear
1/4" x 2-1/2"	20	00078739	**S-12 A, 2" Long**	20	00049765	1/2"	31	115	170
5/16" x 2-1/2"	10	00088392	**S-16/2, 2" Long**	10	00077810	5/8"	11	185	250
3/8" x 3"	10	00088393	**S-16/2, 2" Long**	10	00077810	5/8"	11	260	335
1/2" x 3-1/8"	10	00088394	**S-16/2, 2" Long**	10	00077810	5/8"	11	260	615

Clay Tile[1]

HIT Rod-A			HIT-S Screen Tube			Hole Dia	Approx. No. Fastenings/ Cartridge [2] 9.3 fl oz (275 ml)	Allowable Loads (lb)[1]	
Description	Qty	Item No.	Description	Qty	Item No.			Tension	Shear
1/4" x 2-1/2"	20	00078739	**S-12 A, 2" Long**	20	00049765	1/2"	31	65	50
5/16" x 2-1/2"	10	00088392	**S-16/2, 2" Long**	10	00077810	5/8"	11	75	110
3/8" x 3"	10	00088393	**S-16/2, 2" Long**	10	00077810	5/8"	11	75	110
1/2" x 3-1/8"	10	00088394	**S-16/2, 2" Long**	10	00077810	5/8"	11	75	250

1 Contact Hilti Technical Support for complete technical data
2 Assumes no waste

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Accessories — Dispensers

Battery Powered

Order Description	Item No.
ED 3500-A CPC 2.6-Ah Kit Includes dispenser, (2) 2.6-Ah Li-Ion battery, C 7/24 standard charger and accessories in an impact-resistant plastic tool box	03445282
ED 3500-A CPC Dispenser Dispenser only in cardboard box	00385479
Battery Pack B 144 2.6-Ah CPC CPC Li-Ion 2.6-Ah battery for SFH 144-A, SF 144-A, SID 144-A, SIW 144-A, SFL 14 and ED 3500-A Dispenser	00273114
Battery Charger C 4/36 Li-Ion 115 V Use with all 14.4 - 36 volt Hilti CPC lithium ion batteries	00272939

Manual

Order Description	Item No.
MD 1000 Manual Dispenser For HIT ICE	00371291
MD 2500 Manual Dispenser with Foil Pack Holder For use with HIT 11.1 fl oz/330 ml and 16.9 fl oz/500 ml foil packs	00338853
Cartridge (Foil Pack) Holder Replacement for MD 2500, ED 3500-A CPC and P 3500	00339477

Pneumatic (with 1/4" female compressed air coupling)

Order Description	Item No.
P 3500 Pneumatic Dispenser For use with HIT 11.1 fl oz/330 ml and 16.9 fl oz/500 ml foil pack	00354180
HIT-P 8000D Pneumatic Dispenser For use with HIT 47.3 fl oz/1400 ml jumbo foil pack	00373959
Jumbo Cartridge (Foil Pack) Holder Replacement For P 8000D (47.3 fl oz/1400 ml)	00373960

8

Hilti HIT Profi System

for fast and reliable installation of adhesive anchors and rebar dowels

Features and Applications

- Unique system for installation of rebar and anchoring elements up to #11 rebar and 125" embedment depth
- Time saving system for challenging applications
- Comprehensive sets of accessories for maximizing HIT performance and increasing productivity
- Consistent performance on virtually every job

Order Information

Description	Package Contents	Item No.
Hilti HIT Profi Rebar Accessory Set (Imperial)	The Hilti HIT set for those professionals who often encounter rebar installation in their daily business, with all the required equipment to install up to #7 rebar (or 7/8" threaded rod) and 30 inches embedment depth. Compact, versatile and complete to make best use of the Hilti HIT rebar system and gain productivity in the most common applications. Includes installation instructions, blow-out tool, blowing extension hoses, air nozzles DL 1/2" to 1" (for #3 to #7 rebar), holders TE-Y and TE-C, brush extensions RBS, manual brush extension and handle, round steel brushes RB 1/2" to 1" (for #3 to #7 rebar), manual dispenser MD 2500, injection extension hoses and piston plugs IP 1/2" to 1" (for #3 to #7 rebar) in an impact-resistant plastic tool box	00385230
Hilti HIT Profi Anchor Accessory Set (Imperial)	The Hilti HIT set for those professionals who would like to increase productivity in their anchoring work with Hilti HIT, optimizing the load bearing capacity of the system and reaching maximum productivity in the serial applications. Ideal for installation of anchoring elements up to 7/8" diameter and 10 inches embedment depth. Includes installation instructions, blow-out tool, holder TE-C, brush extension RBS 10/0.35, manual brush handle, round steel brushes RB 7/16" to 1" (for threaded rods 3/8" to 7/8") and manual dispenser MD 2500 in an impact-resistant plastic tool box	00385231

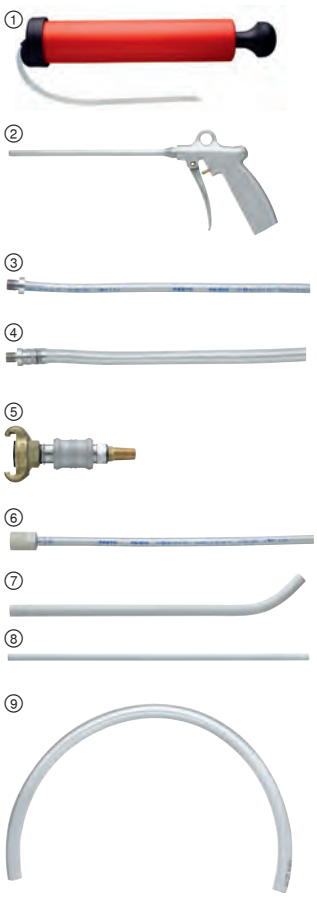
Hilti HIT Profi accessories offer flexibility. With the accessory components listed on the following pages, you can add to an existing installation kit, replace worn components or even build your own kit from the ground up!

Order Information

Description	Package Contents	Qty	Item No.
Installation Instructions HIT Profi		1	00386083
Drilling aid HIT-BH	Aids in drilling straight, deep holes	1	00038246
Safety Glasses — Clear (UVEX)		1	00373050
Safety Glasses — Mirrored (UVEX)		1	00373051
ED 3500 Typ 37+ Impact-resistant Plastic Tool Box	Empty Hilti case for customized Profi Systems with space for ED 3500	1	00228476

Hilti HIT Profi Accessories (for blowing out holes)

Description		Diameter (in/mm)	Length (ft/m)	Qty	Use with Item No.	Item No.
Blow-Out Pump For use in holes up to 10" deep	①			1		00060579
Blow-Out Tool G 1/4" NPT Inlet For use in holes up to 11" deep. For holes deeper than 11", use Blow-Out Tool plus the following extensions	②			1		00381215
Extension Hose for Blow-Out Tool HIT-DL 10/0.8	③	0.39/10	2.6/0.8	1	00381215	00038251
Extension hose for Blow-Out Tool HIT-DL 16/0.8	④	0.71/18	2.6/0.8	1	00381215	00038252
3/8" Claw-Type Quick Connect HIT-DL A	⑤			1		00336643
Extension Hose for HIT-DL A HIT-DL V10/1	⑥	0.39/10	3.3/1	1	00336643	00336644
Extension Tube HIT-DL B (Rigid/bent)	⑦	0.63/16		5	00336643	00371714
Extension Tube HIT-VL 16/0.7 (Rigid/straight)	⑧	0.63/16	2.3/0.7	10	00336643	00336646
Coupler for blowing extensions HIT-DL K Metal coupler for splicing 16 mm extension hose		0.63/16		10		00038250
Extension Hose HIT-VL 16 (Flexible)	⑨	0.63/16	33/10	1		00038249
HIT-DRS Dust Removal System with one hole for vacuum attachment and another hole for the Blow-Out Tool. For use with compressed air				1		00362323



Air Nozzles

Attach to extension end for proper hole cleaning*

Description	Qty	Item No.
HIT-DL 1/2" Use with 10 mm diameter hose	1	00038237
HIT-DL 9/16" Use with 10 mm diameter hose	1	00038238
HIT-DL 11/16" Use with 10 mm diameter hose	1	00038239
HIT-DL 3/4" Use with 16 mm diameter hose/tube	1	00038240
HIT-DL 7/8" Use with 16 mm diameter hose/tube	1	00038241
HIT-DL 1" Use with 16 mm diameter hose/tube	1	00038242
HIT-DL 1-3/8" Use with 16 mm diameter hose/tube	1	00038243

* HIT-DL size determined by the diameter of drilled hole; see Accessory Selection Table below for proper sizing

Also avaliable in metric!

8

Accessory Selection Table

Select the correct installation accessory according to the hole diameter

Hole Diameter[1]	Round Brush[2]		Piston Plug (10 pack)[3]		Air nozzle	
Inch	Description	Item No.	Description	Item No.	Description	Item No.
7/16	**HIT-RB 7/16"**	00273203				
1/2	**HIT-RB 1/2"**	00273204	**HIT-IP 1/2"**	00274019	**HIT-DL 1/2"**	0038237
9/16	**HIT-RB 9/16"**	00273205	**HIT-IP 9/16"**	00274020	**HIT-DL 9/16"**	0038238
5/8	**HIT-RB 5/8"**	00273207	**HIT-IP 5/8"**	00274021		
11/16	**HIT-RB 11/16"**	00273209	**HIT-IP 11/16"**	00274022	**HIT-DL 11/16"**	0038239
3/4	**HIT-RB 3/4"**	00273210	**HIT-IP 3/4"**	00274023	**HIT-DL 3/4"**	0038240
7/8	**HIT-RB 7/8"**	00273211	**HIT-IP 7/8"**	00274024	**HIT-DL 7/8"**	0038241
1	**HIT-RB 1"**	00273212	**HIT-IP 1"**	00274025	**HIT-DL 1"**	0038242
1-1/8	**HIT-RB 1 1/8"**	00273214	**HIT-IP 1 1/8"**	00274026		
1-1/4	**HIT-RB 1 1/4"**	00273216	**HIT-IP 1 1/4"**	00274027		
1- 3/8	**HIT-RB 1 3/8"**	00273217	**HIT-IP 1 3/8"**	00274028	**HIT-DL 1 3/8"**	0038243
1-1/2	**HIT-RB 1 1/2"**	00273218	**HIT-IP 1 1/2"**	00274029		
1-3/4	**HIT-RB 1 3/4"**	00273219	**HIT-IP 1 3/4"**	00274030		

1 Refer to adhesive anchor system installation instructions to determine the proper hole diameter for the fastening element to be used
2 Attach brush to HIT-RBH (T-handle), HIT-RBS or HIT-RBV extensions (see page 220)
3 Use piston plugs to help prevent air voids during injection

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Hilti HIT Profi Accessories (for brushing bore holes)

Manual Brush Handle for Round Steel Brush

Description		Qty	Item No.
HIT-RBH (T-handle) Use to clean holes up to 11" deep	①	1	00229138

Manual Brush Extension for Round Steel Brush

Description		Qty	Item No.
HIT-RBV 11" extension for HIT-RBH (T-handle)	②	1	00238727

Holders for Brush Extension RBS

Connects RBS extension to your Hilti drill for use in cleaning holes

Description		Qty	Item No.
TE-Y (SDS Max) Connection	③	1	00263439
TE-C (SDS +) Connection	④	1	00263437

Extensions for Round Steel Brushes

Description		Diameter (in/mm)	Length (ft/m)	Qty	Item No.
HIT-RBS 10/0.7	⑤	0.39/10	2.3/0.7	1	00336645
HIT-RBS-10/0.35	⑤	0.39/10	1.2/0.35	1	00371722

Hilti HIT Profi Accessories (for adhesive injection)

Extension Hoses

For use in holes deeper than 10 inches

Description		Diameter (in/mm)	Length (ft/m)	Qty	Item No.
HIT-VL 9/1.0 (Flexible hose)	⑥	0.35/9	3.3/1	10	00024632
HIT-VL 16/0.7 (Rigid tube)	⑦	0.63/16	2.3/0.7	10	00336646
HIT-VL 16 (Flexible hose)		0.63/16	33/10	1	00038249

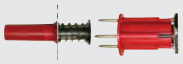
Coupler for Injection Extensions

Description		Diameter (in/mm)	Qty	Item No.
HIT-VL K Plastic coupler for connecting 16 mm (0.63 in) hoses and tubes	⑧	0.63/16	5	00335021

Overhead Injection Accessories

Description		Hole Diameter (in/mm)	Qty	Item No.
HIT-OHW (Overhead wedge)	⑨	7/16" to 1-1/4" (10 to 32 mm)	100	00387550
HIT-OHC1 (Overhead drip guard)	⑩	7/16" to 5/8" (10 to 20 mm)	10	00387551
HIT-OHC2 (Overhead drip guard)		11/16" to 1-1/4" (22 to 32 mm)	10	00387552

Mechanical Anchor Selector Chart

		Size		Head Type					Base Material				Corrosion Resistance			Features		Approvals
		Minimum Size	Maximum Size	Stud (Externally Threaded)	Flush or Internally Threaded	Hex Bolt	Rebar	Round/Mushroom	Concrete	Lightweight Concrete	Grout-filled Block	Hollow Block/Brick	Hot-dip Galvanized Steel	304 Stainless Steel	316 Stainless Steel	Seismic (per ICC-ES)	Cracked Concrete (per ICC-ES)	1: FM 2: UL 3a: ICC Concrete 3b: ICC Grouted Masonry 3c: ICC Hollow Masonry 4: COLA 5: Miami-Dade 6: NSF 61
HDA *** Undercut Anchor		M10	M20	■					■	□			■		■	■	■	3a, 4
HSL-3 ** Expansion Anchor		M8	M24	■	■ M12	■			■	□						■	■	3a, 4
HSL Expansion Anchor		M10	M20	■	■ M12	■ SS			■	□					■			
KB-TZ *** Expansion Anchor		3/8"	3/4"	■					■	■				■	■	■	■	1, 2, 3a
KWIK Bolt 3 ** Expansion Anchor		1/4"	1"	■	■ 1/4"-3/8"				■	■	■		■ 3/8"-3/4"	■	■	□ A-B		1, 2, 3a, 3b, 4, 5
KWIK HUS-EZ ** Screw Anchor		1/4"	3/4"			■			■	■	■ *					■	■	3a, 3b*, 4
KWIK HUS Screw Anchor		3/8"	3/4"			■			■	■	■ *							
HCA Reusable Coil Anchor		1/4"	3/4"			■ 1/4"			■	□								-
HLC Sleeve Anchor		1/4"	3/4"	■	■ 1/4"-3/8"	■		■	■	□	■	■		■				2
KWIK HUS-EZ-I**		1/4"	3/8"		■ 1/4"-3/8"				■	■						■	■	1, 3a, 3b*, 4
HDI / HDI-L Flush Anchor		1/4"	3/4"		■				■	■				■ 303 SS				1, 2
HDI-P Flush Anchor		3/8"	3/8"		■				■	□		□						
HCI Cast-in Anchor		1/4"	3/4"		■				■	■								1, 2
KWIK-CON II Screw Anchor		3/16"	1/4"		■	■			■	□	□	■		■ 410 SS				5

■ Very Suitable □ Application Specific Suitable * Approval pending ** 2009 IBC Compliant Anchor *** 2006 IBC Compliant Anchor

8

HDA Self-Undercutting Anchors

HDA-T

HDA-P

Features and Applications

- Fast and easy self-undercutting setting operation
- No extra undercutting tools needed
- Ductile high strength anchor for safety relevant, heavy duty fastenings with excellent performance in cracked concrete (e.g. tension zones, earthquake-resistant structures)
- Undercut segments provide cast-in-place performance and keying load transfer with limited expansion forces for reduced edge distances and anchor spacings
- Through-set style (HDA-T) provides exceptional high shear loading capacity
- Fully removable

2006 IBC Compliant Anchor

Technical Data	HDA
Base material	Cracked and uncracked concrete
Bolt/Rod material	Carbon steel zinc plated Carbon steel sheradized* stainless steel 316
Thread diameter range	M10 to M20

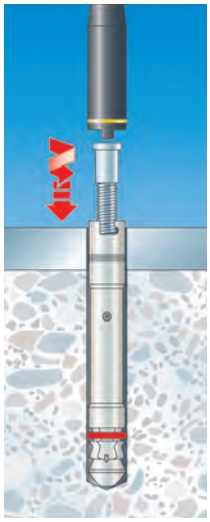
Listings/Approvals
- ICC-ES (International Code Council) - ESR-1546
- Qualified under an NQA-1 nuclear quality program
- IBC 2009 - pending

* Sheradized versions (M10, M12, M16) are available upon request. Sheradized is equivalent to hot-dipped galvanized (average 53 microns zinc)

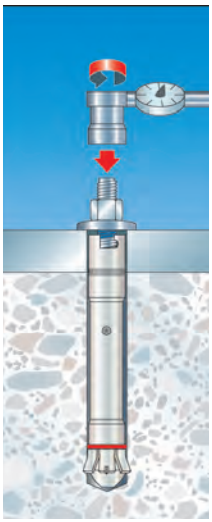
Setting Procedure

Select the specified tools for the installation

Drill the borehole with the stop drill bit and clean the borehole properly



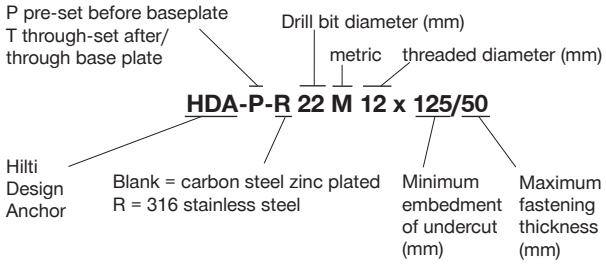
Set the anchor with the specified setting tool (= create the undercut)



Tighten the nut with the specified installation torque

For more information regarding the appropriate setting machine or correct installation procedures of the HDA Self-Undercutting Anchor, call 1-800-879-6000 x6337.

Nomenclature



Hilti. Outperform. Outlast.

HDA-T (Through-Set) Undercutting Anchor

Order Description	Qty	Drill bit/Hole Dia	Minimum Hole Depth	Base Plate Hole Dia	Allowable Static loads (lb)[1,2] ≥4000 psi Concrete			Allowable Static loads (lb)[1,2] ≥4000 psi Concrete		
					Item No. Carbon Steel	Tension	Shear	Item No. 316 Stainless	Tension	Shear
HDA-T M10 x 100/20	12	20 mm	4-1/4 in	13/16 in	00331545	6880	7465	00339351	6880	8310
HDA-T M12 x 125/30	8	22 mm	5-1/4 in	15/16 in	00331548	9615	8910	00339352	9615	10840
HDA-T M12 x 125/50	8	22 mm	5-1/4 in	15/16 in	00331549	9615	8910	00339353	9615	10840
HDA-T M16 x 190/40	4	30 mm	8 in	1-1/4 in	00331552	18025	16380	00339354	18025	19150
HDA-T M16 x 190/60	4	30 mm	8 in	1-1/4 in	00331553	18025	16380	00339355	18025	19150
HDA-T M20 x 250/50	2	37 mm	10-1/2 in	1-9/16 in	00339267	27200	24205	-	-	-
HDA-T M20 x 250/100	2	37 mm	10-1/2 in	1-9/16 in	00339268	27200	24205	-	-	-

HDA-P (Pre-Set) Undercutting Anchor

Order Description	Qty	Drill bit/Hole Dia	Minimum Hole Depth	Base Plate Hole Dia	Allowable Static loads (lb)[1,2] ≥4000 psi Concrete			Allowable Static loads (lb)[1,2] ≥4000 psi Concrete		
					Item No. Carbon Steel	Tension	Shear	Item No. 316 Stainless	Tension	Shear
HDA-P M10 x 100/20	12	20 mm	4-1/4 in	1/2 in	00331544	6880	2685	00339346	6880	3250
HDA-P M12 x 125/30	8	22 mm	5-1/4 in	9/16 in	00331546	9615	3900	00339347	9615	4815
HDA-P M12 x 125/50	8	22 mm	5-1/4 in	9/16 in	00331547	9615	3900	00339348	9615	4815
HDA-P M16 x 190/40	4	30 mm	8 in	3/4 in	00331550	18025	7260	00339349	18025	9035
HDA-P M16 x 190/60	4	30 mm	8 in	3/4 in	00331551	18025	7260	00339350	18025	9035
HDA-P M20 x 250/50	2	37 mm	10-1/2 in	7/8 in	00339265	27200	10385	-	-	-
HDA-P M20 x 250/100	2	37 mm	10-1/2 in	7/8 in	00339266	27200	10385	-	-	-

Drill Bits and Setting Tools

HDA-T Anchors	Stop Drill Bit				Setting Tool		
Description	Order Description	Hole Dia (mm)	Item No. TE-C (SDS+)	Item No. TE-Y (SDS Max)	Order Description	Item No. TE-C (SDS+)	Item No. TE-Y (SDS Max)
HDA-T M10 x 100/20	**Drill Bit B20 x 120**	20 mm	00332090	00237450	**Setting Tool M10**	00331843	00287133
HDA-T M12 x 125/30	**Drill Bit B22 x 155**	22 mm	00402056	00402058	**Setting Tool M12**	00331844	00287134
HDA-T M12 x 125/50	**Drill Bit B22 x 175**	22 mm	00402060	00402062	**Setting Tool M12**	00331844	00287134
HDA-T M16 x 190/40	**Drill Bit B30 x 230**	30 mm	-	00332098	**Setting Tool M16**	-	00331846
HDA-T M16 x 190/60	**Drill Bit B30 x 250**	30 mm	-	00332099	**Setting Tool M16**	-	00331846
HDA-T M20 x 250/50	**Drill Bit B37 x 300**	37 mm	-	00339271	**Setting Tool M20**	-	00339269
HDA-T M20 x 250/100	**Drill Bit B37 x 350**	37 mm	-	00339272	**Setting Tool M20**	-	00339269

HDA-P Anchors	Stop Drill Bit				Setting Tool		
Description	Order Description	Hole Dia (mm)	Item No. TE-C (SDS+)	Item No. TE-Y (SDS Max)	Order Description	Item No. TE-C (SDS+)	Item No. TE-Y (SDS Max)
HDA-P M10 x 100/20	**Drill Bit B20 x 100**	20 mm	00332089	00237449	**Setting Tool M10**	00331843	00287133
HDA-P M12 x 125/30	**Drill Bit B22 x 125**	22 mm	00402050	00402055	**Setting Tool M12**	00331844	00287134
HDA-P M12 x 125/50	**Drill Bit B22 x 125**	22 mm	00402050	00402055	**Setting Tool M12**	00331844	00287134
HDA-P M16 x 190/40	**Drill Bit B30 x 190**	30 mm	-	00332097	**Setting Tool M16**	-	00331846
HDA-P M16 x 190/60	**Drill Bit B30 x 190**	30 mm	-	00332097	**Setting Tool M16**	-	00331846
HDA-P M20 x 250/50	**Drill Bit B37 x 250**	37 mm	-	00339270	**Setting Tool M20**	-	00339269
HDA-P M20 x 250/100	**Drill Bit B37 x 250**	37 mm	-	00339270	**Setting Tool M20**	-	00339269

HDA Removal Tool

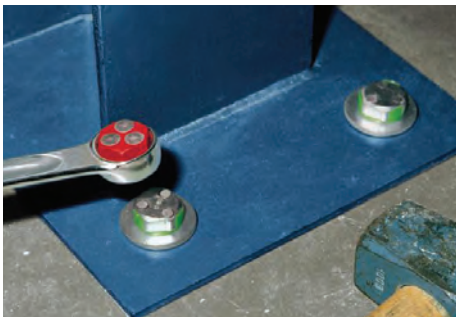
	Anchor Removal Tool (includes adapter)	
Anchor Description	Order Description	Item No. TE-C (SDS+)
HDA-T/P M10 x 100/20	**TE-C-HDA-RT M10**	00333433
HDA-T/P M12 x 125/30	**TE-C-HDA-RT M12**	00333434
HDA-T/P M12 x 125/50	**TE-C-HDA-RT M12**	00333434
HDA-T/P M16 x 190/40	**TE-C-HDA-RT M16**	00333435
HDA-T/P M16 x 190/60	**TE-C-HDA-RT M16**	00333435
HDA-T/P M20 x 250/50	**TE-C-HDA-RT M20**	00339273
HDA-T/P M20 x 250/100	**TE-C-HDA-RT M20**	00339273

1 Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data
2 Values are for single anchors with no edge distance or spacing reduction. For other cases see ICC ESR-1546, Section 4.2. Static, uncracked concrete and condition B assumed

8

Hilti. Outperform. Outlast.

HSL-3 Heavy Duty Expansion Anchor



Features and Applications

- For use in dynamic applications and tension zones (cracked concrete)
- Optimized design provides reliable performance in a wide range of applications
- Special design of anchor helps clamp the base plate to the concrete
- Wide range of sizes and head configurations for multiple applications to fit your application requirements

2006 IBC Compliant Anchor

2009 IBC Compliant Anchor

Technical Data	HSL
Base material	Cracked and uncracked concrete
Bolt/Rod material	Carbon steel 8.8 Stainless Steel 316
Thread diameter range	M8 to M24

Listings/Approvals
- ICC-ES (International Code Council) - ESR-1545
- Qualified under an NQA-1 nuclear quality program
- City of Los Angeles (COLA) - RR No. 25903

HSL-3 Bolt Version[1]

Anchor			Hole Dia	Anchor	Effective Emb	Allowable Static Loads[3] ≥ 4000 psi Concrete	
Description	Qty	Item No.	(mm)	Length (mm)	Depth h_{ef} (mm)	Tension (lb)	Shear (lb)
HSL-3 M 8/20	40	00371775	12	98	60	2470	3361
HSL-3 M 8/40	40	00371776	12	118	60	2470	3361
HSL-3 M 10/20	20	00371778	15	110	70	3224	4749
HSL-3 M 10/40	20	00371779	15	130	70	3224	4749
HSL-3 M 12/25	20	00371781	18	131	80	3939	6837
HSL-3 M 12/50	10	00371782	18	156	80	3939	6837
HSL-3 M 16/25	10	00371784	24	153	100	5505	12400
HSL-3 M 16/50	10	00371785	24	178	100	5505	12400
HSL-3 M 20/30	6	00371787	28	183	125	7694	18349
HSL-3 M 20/60	6	00371788	28	213	125	7694	18349
HSL-3 M 24/30	4	00371790	32	205	150	10114	21334
HSL-3 M 24/60	4	00371791	32	235	150	10114	21334

HSL-3-B Torque Cap[1]

Anchor			Hole Dia	Anchor	Effective Emb	Allowable Static Loads[3] ≥ 4000 psi Concrete	
Description	Qty	Item No.	(mm)	Length (mm)	Depth h_{ef} (mm)	Tension (lb)	Shear (lb)
HSL-3-B M 12/5	20	00371807	18	111	80	3939	6837
HSL-3-B M 12/25	20	00371808	18	131	80	3939	6837
HSL-3-B M 12/50	10	00371809	18	156	80	3939	6837
HSL-3-B M 16/10	10	00371810	24	138	100	5505	12400
HSL-3-B M 16/25	10	00371811	24	153	100	5505	12400
HSL-3-B M 20/30	6	00371814	28	183	125	7694	18349
HSL-3-B M 24/30	4	00371817	32	205	150	10114	21334

HSL-3-G Stud Anchor[1]

Anchor			Hole Dia	Anchor	Effective Emb	Allowable Static Loads[3] ≥ 4000 psi Concrete	
Description	Qty	Item No.	(mm)	Length (mm)	Depth h_{ef} (mm)	Tension (lb)	Shear (lb)
HSL-3-G M 8/20	40	00371793	12	102	60	2470	2818
HSL-3-G M 10/20	20	00371796	15	115	70	3224	3893
HSL-3-G M 12/25	20	00371799	18	139	80	3939	5647
HSL-3-G M 12/50	10	00371800	18	164	80	3939	5647
HSL-3-G M 16/25	10	00371802	24	163	100	5505	10531
HSL-3-G M 16/50	10	00371803	24	188	100	5505	10531
HSL-3-G M 20/30	6	00371805	28	190	125	7694	15395
HSL-3-G M 20/60	6	00371806	28	220	125	7694	15395

HSL-I Flush Anchor (Internally Threaded)[1, 4]

Anchor			Hole Dia	Anchor	Effective Emb	Allowable Static Loads[2] ≥ 4000 psi Concrete	
Description	Qty	Item No.	(mm)	Length (mm)	Depth h_{ef} (mm)	Tension (lb)	Shear (lb)
HSL-I M 12 65/80	20	00284908	18	113/130	65/80	2480/2875	2420/2605

12mm Metric Flush Anchor with Torque Nut

HSLG-R Stainless Steel Stud Anchor[1, 4]

Anchor			Hole Dia	Anchor	Effective Emb	Allowable Static Loads[3] ≥ 4000 psi Concrete	
Description	Qty	Item No.	(mm)	Length (mm)	Depth h_{ef} (mm)	Tension (lb)	Shear (lb)
HSLG-R M 10/20	20	00067922	15	107	75	2575	3560
HSLG-R M 12/25	20	00067924	18	120	80	3105	5245
HSLG-R M 16/25	10	00067926	24	148	105	5450	10125
HSLG-R M 20/30	6	00067928	28	183	130	8175	14490

1 Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data
2 Loads indicated are for 65/80 mm embedment respectively
3 Values are for single anchors with no edge distance or spacing reduction. For other cases see ESR-1545 Section 4.2 Eq.5. Static, uncracked concrete, Condition B assumed
4 Not part of ESR-1545

Applications

- Glazing, windows and storefronts
- Racking and shelving
- Ledgers
- Inside railing
- Seismic braces
- Formwork and tilt-up braces
- Sill plates
- Perimeter walls
- Fastening equipment
- Hanging rods

Outperform and Outlast

- Quick and easy to install, no high-accuracy torque wrench required
- Optimized thread design for best-in-class setting performance and superior load values
- For use with standard ANSI-tolerance drill bit; no special tolerance drill bits are required; same drill bit diameter as anchor diameter
- Fully-removable anchoring solution
- Suitable for reduced edge distances and spacing
- Hex head with integrated washer and clear indication of length and size

Listings/Approvals

- KWIK HUS-EZ 1/4" to 3/4" (including KWIK HUS-EZ-I): ICC-ES ESR-3027 for cracked and uncracked concrete, lightweight concrete over metal deck, and seismic conditions
- COLA (City of Los Angeles) - RR 25897
- KWIK HUS and KWIK HUS-EZ: ICC-ES report for grouted CMU blocks (pending)
- Compliant with 2009 IBC, 2006 IBC and 2003 IBC
- FM approval (KWIK HUS-EZ-I*)

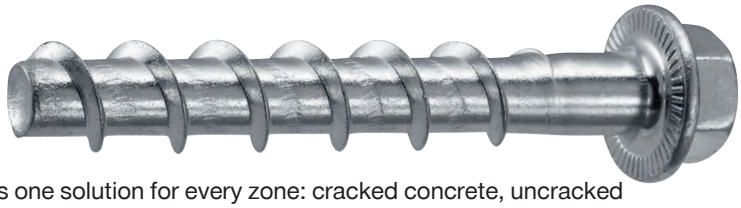
2003 IBC Compliant Anchor
2006 IBC Compliant Anchor
2009 IBC Compliant Anchor

* FM APPROVED

Drill. Drive. Done.
KWIK HUS Screw Anchors

KWIK HUS-EZ and KWIK HUS take screw anchor technology to the next level. Experience the ease and speed of setting, superior load values, and comprehensive approvals that are unique to Hilti.

The KWIK HUS anchor line is the direct result of decades of jobsite experience combined with the most sophisticated research and development in the industry.

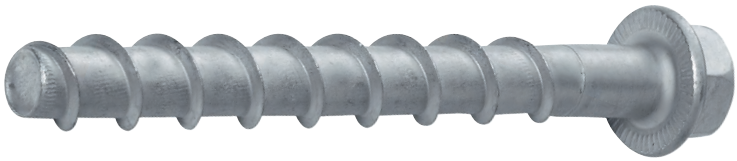


KWIK HUS-EZ

KWIK HUS-EZ offers one solution for every zone: cracked concrete, uncracked concrete, concrete over metal deck and grout-filled CMU blocks in seismic and non-seismic zones.

KWIK HUS-EZ is a reliable, easy-to-set and fully-removable fastening solution with a comprehensive cracked concrete and seismic ICC-ES approved portfolio from 1/4" to 3/4" and an ICC-ES approval pending for grout filled CMU blocks.

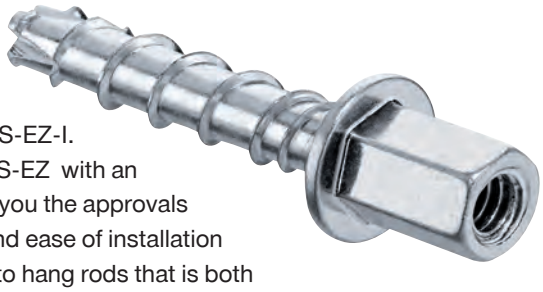
With the launch of the KWIK HUS-EZ, Hilti introduced the only 1/4" anchor with an ICC-ES approval in cracked concrete.



KWIK HUS

KWIK HUS is a reliable, easy-to-set and fully-removable fastening solution that is appropriate for both temporary and permanent fastenings in concrete and grout filled CMU blocks.

KWIK HUS is pending an ICC-ES report for grout filled CMU blocks and has been tested and evaluated in concrete according to AC 193 criteria.



KWIK HUS-EZ-I*

In 2012, Hilti introduces the KWIK HUS-EZ-I. This innovation pairs a 1/4" KWIK HUS-EZ with an internally threaded coupler and gives you the approvals you need combined with the speed and ease of installation of a screw anchor. The ideal solution to hang rods that is both time-efficient and approval-supported.

8

KWIK HUS-EZ Concrete and Masonry Screw Anchor

Features and Applications

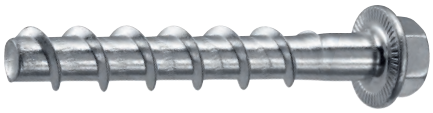
- Especially suited for seismic and cracked concrete applications and grout filled CMU blocks
- Seismic qualification tested in accordance with ICC-ES AC 193 and AC 106
- Quick and easy to install, with no high-accuracy torque wrench required and no hammering
- Optimized thread design for best-in-class setting performance and superior load values
- For use with standard ANSI-tolerance drill bit; no special tolerance drill bits required
- Fully-removable anchoring solution
- Suitable for reduced edge distances and spacing
- Highly productive solution for all your medium duty applications that require an ICC approval for concrete, grout filled CMU block and seismic areas

Technical Data	KWIK HUS-EZ
Base material	• Cracked and uncracked concrete • Light weight concrete • Light weight concrete over metal deck • Grout filled CMU blocks
Anchor material	Carbon steel, electroplated zinc min 8 microns

Listings/Approvals

- ICC-ES (Intenational Code Council) - ESR-3027 (AC193 cracked and uncracked concrete)
  Report for grout-filled CMU blocks (pending)
- Qualified under an NQA-1 nuclear quality program
- COLA (City of Los Angeles) - RR 25897
- Miami Dade pending

2003 IBC Compliant Anchor | 2006 IBC Compliant Anchor | 2009 IBC Compliant Anchor

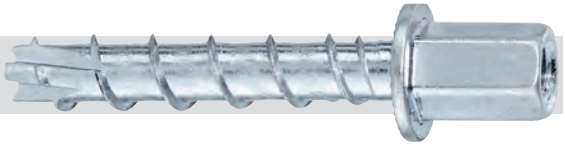


Description	Hole Diameter	Total Length without Anchor Head	Embedment Depth	Box Only Item No.	Qty (pcs) Box	Box Combo (includes bit*) Item No.	Box Combo (includes bit*) Bit* Qty	Master Carton Item No.	Master Carton Qty	Master Carton Combo (incl. bit*) Item No.	Master Carton Combo (incl. bit*) Bit* Qty	Allowable Loads[1] ≥ 4000 psi Concrete Tension (lb)	Allowable Loads[1] ≥ 4000 psi Concrete Shear (lb)
KH-EZ 1/4"x1 7/8"	1/4"	1-7/8"	1-5/8"	00423473	100	03471363	1	03469712	1200	03471391	8	516	628
KH-EZ 1/4"x2 5/8"	1/4"	2-5/8"	2-1/2"	00418045	100	03471364	1	03469863	800	03471392	5	1304	628
KH-EZ 1/4"x3"	1/4"	3"	2-1/2"	00418046	100	03471365	1	03469864	800	03471393	5	1304	628
KH-EZ 1/4"x3 1/2"	1/4"	3-1/2"	2-1/2"	00418047	100	03471366	1	03469865	600	03471394	4	1304	628
KH-EZ 1/4"x4"	1/4"	4"	2-1/2"	00418048	100	03471367	1	03469866	600	03471395	4	1304	628
KH-EZ 3/8"x1 7/8"	3/8"	1-7/8"	1-5/8"	00418055	50	03471368	1	03464874	450	03471396	3	784	1645
KH-EZ 3/8"x2 1/8"	3/8"	2-1/8"	1-5/8"	00418056	50	03471369	1	03464875	450	03471397	3	784	1645
KH-EZ 3/8"x3"	3/8"	3"	2-1/2"	00418057	50	03471370	1	03464876	300	03471398	2	1687	2102
KH-EZ 3/8"x3 1/2"	3/8"	3-1/2"	2-1/2"	00418058	50	03471371	1	03464877	300	03471399	2	1687	2102
KH-EZ 3/8"x4"	3/8"	4"	3-1/4"	00418059	50	03471372	1	03464878	300	03471400	2	2627	2102
KH-EZ 3/8"x5"	3/8"	5"	3-1/4"	00418061	30	03471373	1	03464879	270	03471401	2	2627	2102
KH-EZ 1/2"x2 1/2"	1/2"	2-1/2"	2-1/4"	00418070	30	03471374	1	03464880	180	03471402	1	1405	3748
KH-EZ 1/2"x3"	1/2"	3"	2-1/4"	00418071	30	03471375	1	03464881	180	03471403	1	1405	3748
KH-EZ 1/2"x3 1/2"	1/2"	3-1/2"	3"	00418072	25	03471376	1	03464882	150	03471404	1	2381	3748
KH-EZ 1/2"x4"	1/2"	4"	3"	00418073	25	03471377	1	03464993	150	03471405	1	2381	3748
KH-EZ 1/2"x4 1/2"	1/2"	4- 1/2"	4-1/4"	00418075	25	03471378	1	03464994	150	03471406	1	4334	3748
KH-EZ 1/2"x5"	1/2"	5"	4-1/4"	00418076	25	03471379	1	03464995	150	03471407	1	4334	3748
KH-EZ 1/2"x6"	1/2"	6"	4-1/4"	00418077	25	03471380	1	03464996	150	03471408	1	4334	3748
KH-EZ 5/8"x3 1/2"	5/8"	3-1/2"	3-1/4"	00418078	15	03471381	1	03464997	90	03471409	1	2773	4550
KH-EZ 5/8"x4"	5/8"	4"	3-1/4"	00418079	15	03471382	1	03464998	90	03471410	1	2773	4550
KH-EZ 5/8"x5 1/2"	5/8"	5-1/2"	5"	00418080	15	03471383	1	03464999	90	03471411	1	5730	4550
KH-EZ 5/8"x6 1/2"	5/8"	6-1/2"	5"	00418081	15	03471384	1	03465000	45	03471412	1	5730	4550
KH-EZ 5/8"x8"	5/8"	8"	5"	00418082	15	03471385	1	03465001	60	03471413	1	5730	4550
KH-EZ 3/4"x4 1/2"	3/4"	4-1/2"	4"	00418083	10	03471386	1	03465002	60	03471414	1	3748	6755
KH-EZ 3/4"x5 1/2"	3/4"	5-1/2"	4"	00418084	10	03471387	1	03465003	30	03471415	1	3748	6755
KH-EZ 3/4"x7"	3/4"	7"	6-1/4"	00418085	10	03471388	1	03465004	40	03471416	1	7975	6755
KH-EZ 3/4"x8"	3/4"	8"	6-1/4"	00418086	10	03471389	1	03465005	40	03471417	1	7975	6755
KH-EZ 3/4"x9"	3/4"	9"	6-1/4"	00418087	10	03471390	1	03465006	40	03471418	1	7975	6755

* Combos include starter quantities of the TE-C3X concrete bits. As base materials vary, additional bits may be necessary

1 Always refer to Hilti Product Technical Guide for complete details on the anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data

For installing threaded rod in seismic and cracked concrete applications, see the KWIK-HUS EZ-I — see page 237



Hilti. Outperform. Outlast.

KWIK HUS Concrete and Masonry Screw Anchor

Features and Applications

- Quick and easy to install, with no high-accuracy torque wrench or hammering required
- Pending an ICC-ES report for grout filled CMU blocks and is evaluated according AC 193 for uncracked concrete
- Optimized thread design for best-in-class setting performance and superior load values
- For use with standard ANSI-tolerance drill bit; no special tolerance drill bits required
- Fully-removable anchoring solution
- Suitable for reduced edge distances and spacing
- Highly productive solution for all your medium duty applications and temporary fastenings

Technical Data	KWIK HUS
Base material	• Uncracked concrete • Grout filled CMU blocks • Light weight concrete over metal deck
Anchor material	Carbon steel, electroplated zinc min 8 microns

Listings/Approvals
- ICC-ES report for grout-filled CMU blocks (pending)
- Tested and evaluated according to AC 193 for uncracked concrete
- Qualified under an NQA-1 nuclear quality program

Description	Hole Diameter	Total Length without Anchor Head	Embedment Depth	Box Only Item No.	Qty (pcs) Box	Box Combo (includes bit*) Item No.	Box Combo (includes bit*) Bit* Qty	Master Carton Item No.	Master Carton Qty	Master Carton Combo (incl. bit*) Item No.	Master Carton Combo (incl. bit*) Bit* Qty	Allowable Loads[1] ≥ 4000 psi Concrete Tension (lb)	Allowable Loads[1] ≥ 4000 psi Concrete Shear (lb)
KH 3/8"x2 1/8"	3/8"	2-1/8"	1-5/8"	00434436	50	03471447	1	03465007	450	03471465	3	784	2089
KH 3/8"x3"	3/8"	3"	2-1/2"	00434437	50	03471448	1	03465008	300	03471466	2	1687	2089
KH 3/8"x3 1/2"	3/8"	3-1/2"	2-1/2"	00434438	50	03471449	1	03465009	300	03471467	2	1687	2089
KH 3/8"x4"	3/8"	4"	3-1/4"	00434439	50	03471450	1	03465010	300	03471468	2	2175	2089
KH 3/8"x5"	3/8"	5"	3-1/4"	00434440	30	03471451	1	03465011	270	03471469	2	2175	2089
KH 1/2"x3"	1/2"	3"	2-1/4"	00434441	30	03471452	1	03465012	180	03471470	1	1249	3319
KH 1/2"x3 1/2"	1/2"	3-1/2"	3"	00434442	25	03471453	1	03465013	150	03471471	1	2116	3319
KH 1/2"x4"	1/2"	4"	3"	00434443	25	03471454	1	03465014	150	03471472	1	2116	3319
KH 1/2"x4 1/2"	1/2"	4-1/2"	4-1/4"	00434444	25	03471455	1	03465015	150	03471473	1	3852	3319
KH 1/2"x5"	1/2"	5"	4-1/4"	00434445	25	03471456	1	03465016	150	03471474	1	3852	3319
KH 1/2"x6"	1/2"	6"	4-1/4"	00434446	25	03471457	1	03465017	150	03471475	1	3852	3319
KH 5/8"x4"	5/8"	4"	3-1/4"	00434447	15	03471458	1	03465018	90	03471476	1	2773	4550
KH 5/8"x5 1/2"	5/8"	5-1/2"	5"	00434448	15	03471459	1	03465019	90	03471477	1	5730	4550
KH 5/8"x6 1/2"	5/8"	6-1/2"	5"	00434449	15	03471460	1	03465020	45	03471478	1	5730	4550
KH 3/4"x4 1/2"	3/4"	4-1/2"	4"	00434450	10	03471461	1	03465021	60	03471479	1	3748	6755
KH 3/4"x5 1/2"	3/4"	5-1/2"	4"	00434451	10	03471462	1	03465022	30	03471480	1	3748	6755
KH 3/4"x7"	3/4"	7"	6-1/4"	00434452	10	03471463	1	03465023	40	03471481	1	7975	6755
KH 3/4"x9"	3/4"	9"	6-1/4"	00434453	10	03471464	1	03465024	40	03471482	1	7975	6755

* Combos include starter quantities of the TE-C3X concrete bits. As base materials vary, additional bits may be necessary

1 Always refer to Hilti Product Technical Guide for complete details on the anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data

Setting tools and sockets for KWIK HUS-EZ and KWIK HUS screw anchors

Hilti has everything you need to get the job done — TE 4-A18 Cordless Rotary Hammer Drill, TE-CX drill bits, 18 Volt Cordless Impact Wrench, KWIK-HUS anchors and sockets

Setting tools

Order Description	KH or KH-EZ Diameter		Item No.
SIW 18T-A — High torque impact wrench (Fixed) one (1) set of six sockets	1/2", 5/8", 3/4"		03467648
SIW 18T-A — High torque impact wrench (Flex) choice of six sockets	1/2", 5/8", 3/4"		03467650
SIW 18-A Impact Wrench with one (fixed) set of six sockets	1/4", 3/8", 1/2"		03482658
SID 18-A SID 18-A Compact Impact Driver	1/4", 3/8"		03482619
S-NSD-1/2"-7/16" standard	1/4" (KH-EZ only)		00291974
S-NSD-1/2"-9/16" standard	3/8"		00305114
S-NSD-1/2"-3/4" standard	1/2"		00305683
S-NSD-1/2"-15/16" standard	5/8"		00315703
S-NSD-1/2"-1-1/8" standard	3/4"		00331444

Hilti. Outperform. Outlast.

KWIK Bolt TZ Expansion Anchor

All KWIK Bolt TZ Expansion Anchors are marked on the head of the anchor with a length identification mark. See page 221 for the complete Length Identification System chart!

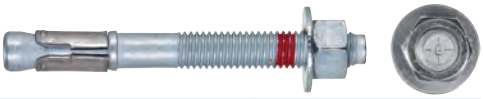
Features and Applications

- Especially suited for seismic and cracked concrete (**t**ension **z**one) applications
- Seismic qualification tested in accordance with ACI 355.2 and ICC-ES AC193
- Small minimum edge distance and spacing for maximum design flexibility
- Nuts and washers pre-assembled
- Rounded end for easy installation
- Meets ductility requirements of ACI318 D.3.3
- Product and length identification mark facilitates quality control and inspection
- Periodic special inspections

c UL us FM APPROVED 2006 IBC Compliant Anchor 2009 IBC Compliant Anchor

Technical Data	KB-TZ
Base material	• Lightweight Concrete • Cracked and uncracked concrete • Light to medium weight concrete over metal deck
Anchor material	• Carbon steel, electroplated zinc min 5 microns • Stainless steel AISI 304 • Stainless steel AISI 316

Listings/Approvals
- ICC-ES (International Code Council) - ESR-1917
- COLA (City of Los Angeles) - RR 25701
- FM (Factory Mutual)
- UL (Underwriter Laboratories)
- Qualified under an NQA-1 nuclear quality program



KWIK Bolt TZ Carbon Steel

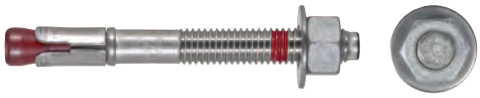
Description	Hole Dia	Anchor Length	Thread Length	Emb Depth (h_{nom})	Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Static Loads[1,2] ≥ 4000 psi Concrete Tension (lb)	Shear (lb)
KB-TZ 3/8" x 3"	3/8"	3"	7/8"	2-1/4"	00387509	50	03437370	400	1477	1925
KB-TZ 3/8" x 3-3/4"	3/8"	3-3/4"	1-5/8"	2-1/4"	00387510	50	03437371	400	1477	1925
KB-TZ 3/8" x 5"	3/8"	5"	2-7/8"	2-1/4"	00387511	50	03437372	300	1477	1925
KB-TZ 1/2" x 3-3/4"	1/2"	3-3/4"	1-5/8"	2-3/8"	00387512	20	03435802	160	1993	2945
KB-TZ 1/2" x 4-1/2"	1/2"	4-1/2"	2-3/8"	3-5/8"	00387513	20	03436003	160	3239	2945
KB-TZ 1/2" x 5-1/2"	1/2"	5-1/2"	3-3/8"	3-5/8"	00387514	20	03436004	160	3239	2945
KB-TZ 1/2" x 7"	1/2"	7"	4-7/8"	3-5/8"	00387515	20	03436005	120	3239	2945
KB-TZ 5/8" x 4-3/4"	5/8"	4-3/4"	1-1/2"	3-5/8"	00387516	15	03437493	90	3893	4335
KB-TZ 5/8" x 6"	5/8"	6"	2-3/4"	4-1/2"	00387517	15	03437494	90	5371	4335
KB-TZ 5/8" x 8-1/2"	5/8"	8-1/2"	5-1/4"	4-1/2"	00387518	15	03437495	60	5371	4335
KB-TZ 5/8" x 10"	5/8"	10"	6-3/4"	4-1/2"	00387519	15	03437496	60	5371	4335
KB-TZ 3/4" x 5-1/2"	3/4"	5-1/2"	1-1/2"	4-3/8"	00387520	10	03437497	80	4863	7325
KB-TZ 3/4" x 8"	3/4"	8"	4"	5-3/8"	00387521	10	03437498	60	6272	7325
KB-TZ 3/4" x 10"	3/4"	10"	6"	5-3/8"	00387522	10	03437499	40	6272	7325

1 Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data
2 Refer to ESR-1917 for complete details

KWIK Bolt TZ 316 Stainless Steel

Description	Hole Dia	Anchor Length	Thread Length	Emb Depth (h_{nom})	Box Qty	Item No.	Qty	Master Carton Item No.	Allowable Static Loads[1,2] ≥ 4000 psi Concrete Tension (lb)	Shear (lb)
KB-TZ SS316 3/8" x 3"	3/8"	3"	7/8"	2-1/4"	50	00411727	400	03457632	1545	2530
KB-TZ SS316 3/8" x 3-3/4"	3/8"	3-3/4"	1-5/8"	2-1/4"	50	00411731	400	03457874	1545	2530
KB-TZ SS316 1/2" x 3-3/4"	1/2"	3-3/4"	1-5/8"	2-3/8"	20	00411733	160	03457875	1993	3685
KB-TZ SS316 1/2" x 4-1/2"	1/2"	4-1/2"	2-3/8"	3-5/8"	20	00411734	160	03457876	3383	3685
KB-TZ SS316 1/2" x 5-1/2"	1/2"	5-1/2"	3-3/8"	3-5/8"	20	00411736	160	03457877	3383	3685
KB-TZ SS316 5/8" x 4-3/4"	5/8"	4-3/4"	1-1/2"	3-5/8"	15	00411737	90	03457878	3893	5290
KB-TZ SS316 5/8" x 6"	5/8"	6"	2-3/4"	4-1/2"	15	00411739	90	03457879	5638	5290
KB-TZ SS316 3/4" x 5-1/2"	3/4"	5-1/2"	1-1/2"	4-3/8"	10	00411740	60	03457880	5118	8415
KB-TZ SS316 3/4" x 10"	3/4"	10"	6"	5-3/8"	10	00411741	40	03457881	7071	8415

1 Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data
2 Refer to ESR-1917 for complete details



KWIK Bolt TZ 304 Stainless Steel

Description	Hole Dia	Anchor Length	Thread Length	Emb Depth (h_{nom})	Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Static Loads[1,2] ≥ 4000 psi Concrete Tension (lb)	Allowable Static Loads[1,2] ≥ 4000 psi Concrete Shear (lb)
KB-TZ SS304 3/8" x 3"	3/8"	3"	7/8"	2-1/4"	00387523	50	03437500	400	1545	2530
KB-TZ SS304 3/8" x 3-3/4"	3/8"	3-3/4"	1-5/8"	2-1/4"	00387524	50	03437501	400	1545	2530
KB-TZ SS304 3/8" x 5"	3/8"	5"	2-7/8"	2-1/4"	00387525	50	03437502	300	1545	2530
KB-TZ SS304 1/2" x 3-3/4"	1/2"	3-3/4"	1-5/8"	2-3/8"	00387526	20	03436006	160	1993	3685
KB-TZ SS304 1/2" x 4-1/2"	1/2"	4-1/2"	2-3/8"	3-5/8"	00387527	20	03436007	160	3383	3685
KB-TZ SS304 1/2" x 5-1/2"	1/2"	5-1/2"	3-3/8"	3-5/8"	00387528	20	03436008	160	3383	3685
KB-TZ SS304 1/2" x 7"	1/2"	7"	4-7/8"	3-5/8"	00387529	20	03436009	120	3383	3685
KB-TZ SS304 5/8" x 4-3/4"	5/8"	4-3/4"	1-1/2"	3-5/8"	00387530	15	03437503	90	3893	5290
KB-TZ SS304 5/8" x 6"	5/8"	6"	2-3/4"	4-1/2"	00387531	15	03437504	90	5638	5290
KB-TZ SS304 5/8" x 8-1/2"	5/8"	8-1/2"	5-1/4"	4-1/2"	00387532	15	03437505	60	5638	5290
KB-TZ SS304 5/8" x 10"	5/8"	10"	6-3/4"	4-1/2"	00387533	15	03437506	60	5638	5290
KB-TZ SS304 3/4" x 5-1/2"	3/4"	5-1/2"	1-1/2"	4-3/8"	00387534	10	03437507	80	5118	8415
KB-TZ SS304 3/4" x 8"	3/4"	8"	4"	5-3/8"	00387535	10	03437508	60	7071	8415
KB-TZ SS304 3/4" x 10"	3/4"	10"	6"	5-3/8"	00387536	10	03437509	40	7071	8415

1 Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data
2 Refer to ESR-1917 for complete details

Length Identification System

Stamp on Anchor		A	B	C	D	E	F	G	H	I	J	K	L	M
Length of Anchor (in)	From	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	6-1/2	7	7-1/2
	Up to but not including	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	6-1/2	7	7-1/2	8
Stamp on Anchor		**N**	**O**	**P**	**Q**	**R**	**S**	**T**	**U**	**V**	**W**	**X**	**Y**	**Z**
Length of Anchor (in)	From	8	8-1/2	9	9-1/2	10	11	12	13	14	15	16	17	18
	Up to but not including	8-1/2	9	9-1/2	10	11	12	13	14	15	16	17	18	19

8

Accessories

Machine Setting Tool for 1/4", 3/8" and 1/2" KWIK Bolts (KB3 and KB-TZ)

- More convenient and faster than setting with a hammer, especially when installing overhead and between existing pipes
- Reduces installation problems
  - No damaging of the threaded stud
  - No damaging of the base plate (when through fastening)
  - Exact embedment depth (using the depth gauge of the hammer drill)
- Accepted by all hammer drills with an TE-C (SDS) connection

Description	Length	Recommended Hammer Drills	Qty	Item No.
KB-TEC 6" Setting Tool	6"	TE 4-A, TE 6-A36, TE 7-A, TE 7, TE 7-C, TE 30, TE 30-C AVR (TE -C/SDS+)	1	00337918
KB-TEC 12" Setting Tool	12"	TE 4-A, TE 6-A36, TE 7-A, TE 7, TE 7-C, TE 30, TE 30-C AVR (TE -C/SDS+)	1	00337919

KWIK Bolt 3 Expansion Anchor

All KWIK Bolt 3 Expansion Anchors are marked on the head of the anchor with a length identification mark. See page 224 for the complete Length Identification System chart.

Features and Applications

- Approved by ICC-ES for masonry and concrete
- Rounded end for easy installation
- Dog point impact section to prevent thread damage during installation
- Available in carbon steel, hot-dipped galvanized, 304SS and 316SS to suit any environment
- Best approval rating in class

2003 IBC Compliant Anchor | 2006 IBC Compliant Anchor | 2009 IBC Compliant Anchor

FM APPROVED | cULus

Technical Data	KB3
Base material	• Lightweight Concrete • Uncracked concrete • Lightweight concrete over metal deck • Grout-filled block
Anchor material	• KB3: carbon steel, electroplated zinc min 5 microns • KB3 HDG: carbon steel, hot-dip galvanized min 43 microns • KB3 304SS: Type 304 stainless steel • KB3 316SS: Type 316 stainless steel

Listings/Approvals
- ICC-ES (International Code Council) - ESR-1385 (ACO1 Masonry) ERS-2302 (AC193 concrete)
- FM (Factory Mutual)
- UL (Underwriter Laboratories)
- COLA (City of Los Angeles) - RR 25577
- Metro-Dade County - NOA No. 06-0810.13
- Qualified under an NQA-1 nuclear quality program

KWIK Bolt 3 Carbon Steel

Description	Hole Dia	Anchor Length	Thread Length	Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Loads[1,2] ≥ 4000 psi Concrete		
								Emb Depth	Tension (lb)	Shear (lb)
KB3 1/4" x 1-3/4"	1/4"	1-3/4"	3/4"	00282502	100	03000340	1200	1-1/8"	430	530
KB3 1/4" x 2-1/4"	1/4"	2-1/4"	7/8"	00282503	100	03000860	1200	2"	800	530
KB3 1/4" x 3-1/4"	1/4"	3-1/4"	2"	00282504	100	03000695	800	2"	800	530
KB3 1/4" x 4-1/2"	1/4"	4-1/2"	2-7/8"	00282521	100	03000756	800	2"	800	530
KB3 3/8" x 2-1/4"	3/8"	2-1/4"	7/8"	00282505	50	03000861	400	1-5/8"	1095	1315
KB3 3/8" x 3"	3/8"	3"	1-1/2"	00282522	50	03000885	400	2-1/2"	1850	1315
KB3 3/8" x 3-3/4"	3/8"	3-3/4"	2-1/4"	00282523	50	03000903	400	2-1/2"	1850	1315
KB3 3/8" x 5"	3/8"	5"	3-1/2"	00282524	50	03000906	300	2-1/2"	1850	1315
KB3 3/8" x 7"	3/8"	7"	5-1/2"	00282525	50	03000786	300	2-1/2"	1850	1315
KB3 1/2" x 2-3/4"	1/2"	2-3/4"	1-1/4"	00282509	25	03000924	200	2-1/4"	1620	2405
KB3 1/2" x 3-3/4"	1/2"	3-3/4"	2-3/16"	00282526	25	03000959	200	2-1/4"	1620	2405
KB3 1/2" x 4-1/2"	1/2"	4-1/2"	2-7/8"	00282527	25	03000992	150	3-1/2"	2440	2415
KB3 1/2" x 5-1/2"	1/2"	5-1/2"	3-3/4"	00282528	25	03000994	150	3-1/2"	2440	2415
KB3 1/2" x 7"	1/2"	7"	4-3/4"	00282529	25	03000995	150	3-1/2"	2440	2415
KB3 5/8" x 3-3/4"	5/8"	3-3/4"	1-5/8"	00282513	15	03000807	90	2-3/4"	2210	3785
KB3 5/8" x 4-3/4"	5/8"	4-3/4"	2-3/4"	00282530	15	03000998	90	4"	3385	3910
KB3 5/8" x 6"	5/8"	6"	4"	00282531	15	03000809	90	4"	3385	3910
KB3 5/8" x 7"	5/8"	7"	4-3/4"	00282532	15	03000811	90	4"	3385	3910
KB3 5/8" x 8-1/2"	5/8"	8-1/2"	6-1/2"	00282533	15	03000812	90	4"	3385	3910
KB3 5/8" x 10"	5/8"	10"	7"	00282534	15	03000813	90	4"	3385	3910
KB3 3/4" x 4-3/4"	3/4"	4-3/4"	2-7/16"	00282535	10	03001006	80	3-1/4"	2730	5310
KB3 3/4" x 5-1/2"	3/4"	5-1/2"	3-1/4"	00282536	10	03001009	80	4-3/4"	5285	5495
KB3 3/4" x 7"	3/4"	7"	4-5/8"	00282537	10	03000848	60	4-3/4"	5285	5495
KB3 3/4" x 8"	3/4"	8"	5-3/4"	00282520	10	03000849	60	4-3/4"	5285	5495
KB3 3/4" x 10"	3/4"	10"	6"	00282538	10	03000850	40	4-3/4"	5285	5495
KB3 3/4" x 12"	3/4"	12"	6"	00286016	10	03001195	30	4-3/4"	5285	5495
KB3 1" x 6"	1"	6"	2-1/4"	00286017	5	03001196	25	4-1/2"	4670	8140
KB3 1" x 9"	1"	9"	2-1/4"	00286018	5	03001197	20	6"	7070	9200
KB3 1" x 12"	1"	12"	6"	00286019	5	03001198	15	6"	7070	9200

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KWIK Bolt 3 Hot-Dipped Galvanized

Description	Hole Dia	Anchor Length	Thread Length	Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Loads[1,2] ≥ 4000 psi Concrete		
								Emb Depth	Tension (lb)	Shear (lb)
KB3 HDG 1/2" x 3-3/4"	1/2"	3-3/4"	2-3/16"	00378083	25	03000272	200	2-1/4"	1400	2190
KB3 HDG 1/2" x 4-1/2"	1/2"	4-1/2"	2-7/8"	00378084	25	03000273	150	3-1/2"	2335	2190
KB3 HDG 1/2" x 5-1/2"	1/2"	5-1/2"	3-3/4"	00378085	25	03000281	150	3-1/2"	2335	2190
KB3 HDG 1/2" x 7"	1/2"	7"	4-3/4"	00378086	25	03000282	150	4-3/4"	2845	2190
KB3 HDG 5/8" x 4-3/4"	5/8"	4-3/4"	2-3/4"	00378087	15	03000287	90	4"	3765	3780
KB3 HDG 5/8" x 6"	5/8"	6"	4"	00378088	15	03000288	90	4"	3765	3780
KB3 HDG 3/4" x 4-3/4"	3/4"	4-3/4"	2-7/16"	00378089	10	03000306	80	3-1/4"	2735	5340
KB3 HDG 3/4" x 5-1/2"	3/4"	5-1/2"	3-1/4"	00378090	10	03000308	80	4-3/4"	4970	5340
KB3 HDG 3/4" x 8"	3/4"	8"	5-3/4"	00378091	10	03000309	60	4-3/4"	4970	5340

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KWIK Bolt 3 Type 304 Stainless Steel

Description	Hole Dia	Anchor Length	Thread Length	Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Loads[1,2] ≥ 4000 psi Concrete		
								Emb Depth	Tension (lb)	Shear (lb)
KB3 304SS 1/4" x 1-3/4"	1/4"	1-3/4"	3/4"	00282539	100	03000780	1200	1-1/8"	380	725
KB3 304SS 1/4" x 2-1/4"	1/4"	2-1/4"	7/8"	00282540	100	03002198	1200	2"	705	805
KB3 304SS 1/4" x 3-1/4"	1/4"	3-1/4"	2"	00282541	100	03000782	800	2"	705	805
KB3 304SS 1/4" x 4-1/2"	1/4"	4-1/2"	2-7/8"	00282553	100	03000783	800	2"	705	805
KB3 304SS 3/8" x 2-1/4"	3/8"	2-1/4"	7/8"	00282542	50	03000787	400	1-5/8"	730	1345
KB3 304SS 3/8" x 3"	3/8"	3"	1-1/2"	00282554	50	03000788	400	2-1/2"	1575	1590
KB3 304SS 3/8" x 3-3/4"	3/8"	3-3/4"	2-1/4"	00282555	50	03000790	400	2-1/2"	1575	1590
KB3 304SS 3/8" x 5"	3/8"	5"	3-1/2"	00282556	50	03000792	300	2-1/2"	1575	1590
KB3 304SS 3/8" x 7"	3/8"	7"	5-1/2"	00282557	50	03000793	300	2-1/2"	1575	1590
KB3 304SS 1/2" x 2-3/4"	1/2"	2-3/4"	1-1/4"	00282546	25	03000796	200	2-1/4"	1450	2380
KB3 304SS 1/2" x 3-3/4"	1/2"	3-3/4"	2-3/16"	00282558	25	03000798	200	2-1/4"	1450	2380
KB3 304SS 1/2" x 4-1/2"	1/2"	4-1/2"	2-7/8"	00282559	25	03000800	150	3-1/2"	2510	3045
KB3 304SS 1/2" x 5-1/2"	1/2"	5-1/2"	3-3/4"	00282560	25	03000802	150	3-1/2"	2510	3045
KB3 304SS 1/2" x 7"	1/2"	7"	4-3/4"	00282561	25	03000803	150	3-1/2"	2510	3045
KB3 304SS 5/8" x 3-3/4"	5/8"	3-3/4"	1-5/8"	00282550	15	03000814	90	2-3/4"	1860	4095
KB3 304SS 5/8" x 4-3/4"	5/8"	4-3/4"	2-3/4"	00282562	15	03000816	90	4"	3340	4625
KB3 304SS 5/8" x 6"	5/8"	6"	1-1/2"	00282552	15	03000817	90	4"	3340	4625
KB3 304SS 5/8" x 8-1/2"	5/8"	8-1/2"	6-1/2"	00282563	15	03000818	60	4"	3340	4625
KB3 304SS 5/8" x 10"	5/8"	10"	7"	00282564	15	03000819	60	4"	3340	4625
KB3 304SS 3/4" x 4-3/4"	3/4"	4-3/4"	1-5/8"	00286021	20	03001209	80	3-1/4"	2350	5645
KB3 304SS 3/4" x 5-1/2"	3/4"	5-1/2"	3-7/16"	00286025	20	03001212	60	4-3/4"	3870	5645
KB3 304SS 3/4" x 7"	3/4"	7"	1-1/2"	00286026	10	03001213	40	4-3/4"	3870	5645
KB3 304SS 3/4" x 8"	3/4"	8"	5-3/4"	00286027	10	03001214	40	4-3/4"	3870	5645
KB3 304SS 3/4" x 10"	3/4"	10"	6"	00286028	10	03001215	30	4-3/4"	3870	5645
KB3 304SS 3/4" x 12"	3/4"	12"	6"	00286029	10	03001216	30	4-3/4"	3870	5645
KB3 304SS 1" x 6"	1"	6"	2 1/4"	00286030	5	03001217	25	4-1/2"	4610	7470
KB3 304SS 1" x 9"	1"	9"	2-1/4"	00286031	5	03001219	20	6"	7200	7470
KB3 304SS 1" x 12"	1"	12"	6"	00286032	5	03001221	15	6"	7200	7470

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KWIK Bolt 3 Type 316 Stainless Steel

Description	Hole Dia	Anchor Length	Thread Length	Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Loads[1,2] ≥ 4000 psi Concrete		
								Emb Depth	Tension (lb)	Shear (lb)
KB3 316SS 1/4" x 2-1/4"	1/4"	2-1/4"	7/8"	00282565	100	03002197	1200	2"	705	805
KB3 316SS 1/4" x 3-1/4"	1/4"	3-1/4"	7/8"	00282566	100	03000785	800	2"	705	805
KB3 316SS 3/8" x 3"	3/8"	3"	1-1/4"	00282567	50	03000794	400	2-1/2"	1575	1590
KB3 316SS 3/8" x 3-3/4"	3/8"	3-3/4"	1-1/4"	00282568	50	03000795	400	2-1/2"	1575	1590
KB3 316SS 1/2" x 3-3/4"	1/2"	3-3/4"	1-5/16"	00282569	25	03000804	200	2-1/4"	1450	2380
KB3 316SS 1/2" x 4-1/2"	1/2"	4-1/2"	1-5/16"	00282570	25	03000805	150	3-1/2"	2510	3045
KB3 316SS 1/2" x 5-1/2"	1/2"	5-1/2"	1-5/16"	00282571	25	03000806	150	3-1/2"	2510	3045
KB3 316SS 5/8" x 3-3/4"	5/8"	3-3/4"	1-5/8"	00282572	15	03000840	90	2-3/4"	1860	4095
KB3 316SS 5/8" x 4-3/4"	5/8"	4-3/4"	1-1/2"	00282573	15	03000842	90	4"	3340	4625
KB3 316SS 5/8" x 6"	5/8"	6"	1-1/2"	00282574	15	03000843	90	4"	3340	4625
KB3 316SS 3/4" x 4-3/4"	3/4"	4-3/4"	1-1/2"	00286033	20	03001226	80	3-1/4"	2350	5645
KB3 316SS 3/4" x 5-1/2"	3/4"	5-1/2"	1-1/2"	00286034	20	03001227	60	4-3/4"	3870	5645
KB3 316SS 3/4" x 10"	3/4"	10"	5-7/8"	00286035	10	03001228	30	4-3/4"	3870	5645
KB3 316SS 1" x 6"	1"	6"	2-1/4"	00286036	5	03001229	25	4-1/2"	4610	7470

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Length Identification System

Stamp on Anchor		A	B	C	D	E	F	G	H	I	J	K	L	M
Length of Anchor (in)	From	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	6-1/2	7	7-1/2
	Up to but not including	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2	6	6-1/2	7	7-1/2	8

Stamp on Anchor		N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Length of Anchor (in)	From	8	8-1/2	9	9-1/2	10	11	12	13	14	15	16	17	18
	Up to but not including	8-1/2	9	9-1/2	10	11	12	13	14	15	16	17	18	19

Accessories

Machine Setting Tool for 1/4", 3/8" and 1/2" KWIK Bolts (KB3 and KB-TZ)

- More convenient and faster than setting with a hammer, especially when installing overhead and when installing between existing pipes
- Reduces installation problems
  - No damaging of the threaded stud
  - No damaging of the base plate (when through fastening)
  - Exact embedment depth (using the depth gauge of the hammer drill)
- Accepted by all hammer drills with an TE-C (SDS) connection

Description	Length	Recommended Hammer Drills	Qty	Item No.
KB-TEC 6" Setting Tool	6"	TE 4-A, TE 6-A36, TE 7-A, TE 7, TE 7-C, TE 30, TE 30-C AVR (TE -C/SDS+)	1	00337918
KB-TEC 12" Setting Tool	12"	TE 4-A, TE 6-A36, TE 7-A, TE 7, TE 7-C, TE 30, TE 30-C AVR (TE -C/SDS+)	1	00337919

KWIK Bolt 3 Carbon Steel Countersunk[2]

Description	Hole Dia	Anchor Length	Min Embed Depth	Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Loads[1] ≥ 3000 psi Concrete	
								Tension (lb)	Shear (lb)[2]
KB3 C 1/4" x 2"	1/4"	2"	1-1/8"	00286037	100	03001230	900	365	105
KB3 C 1/4" x 3"	1/4"	3"	1-1/8"	00286038	100	03001231	500	365	105
KB3 C 1/4" x 5"	1/4"	5"	1-1/8"	00286039	100	03001232	500	365	105
KB3 C 3/8" x 2-1/4"	3/8"	2-1/4"	1-5/8"	00286040	100	03001233	500	810	225
KB3 C 3/8" x 3"	3/8"	3"	1-5/8"	00286041	100	03001242	400	810	225
KB3 C 3/8" x 4"	3/8"	4"	1-5/8"	00286042	50	03001243	250	810	225
KB3 C 3/8" x 5"	3/8"	5"	1-5/8"	00286043	50	03001244	250	810	225

KWIK Bolt 3 Stainless Steel Countersunk[2]

Description	Hole Dia	Anchor Length	Min Embed Depth	Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Loads[1] ≥ 3000 psi Concrete	
								Tension (lb)	Shear (lb)[2]
KB3 304SS C 1/4" X 3"	1/4"	3"	1-1/8"	00286044	100	03001245	500	670	500
KB3 304SS C 3/8" X 4"	3/8"	4"	1-5/8"	00286045	50	03001246	250	670	1330

KWIK Bolt 3 with Rod Coupling

Description	Hole Dia	Anchor Length	Useable Thread Length	Min Embed Depth	Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Loads[1] ≥ 3000 psi Concrete	
									Tension (lb)	Shear (lb)
KB3 3/8" x 2-1/4" w/RC	3/8"	2-1/4"	7/8"	-	00283470	50	03001019	400	-	-
Rod Coup. 3/8–16 for 3/8" threaded rod	-	-	-	-	00058387	100	-	-	-	-

HHDCA 1/4 Ceiling Hanger

Description	Hole Dia	Anchor Length	Eyelet Size	Min Embed Depth	Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Loads[1] ≥ 3000 psi Concrete	
									Tension (lb)	Shear (lb)
HHDCA 1/4	1/4"	2"	5/16"	1-1/4"	00412669	100	03456757	1000	410	425

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2 Shear values acting through threads of anchor body. If shear plane acts through nut only, reduce value by 70%

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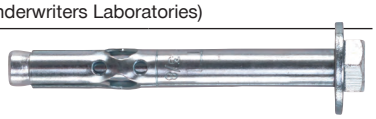
HLC Sleeve Anchor

Features and Applications

- Stud-type anchor design allows easy through-type fastenings and can be set in bottomless hole
- Anchor size is same as drill bit size for easy installation
- Variety of head styles, lengths and sizes allow for versatile applications
- High performance in block, masonry and concrete base materials

Technical Data	HLC
Base material	• Uncracked concrete • Grout-filled block • Hollow concrete block and clay brick
Anchor material	• HLC-H, -HX, -FPH, -AC, -RC: Carbon steel, zinc plated min 5 micron • HLC-HX SS304: AISI 304 stainless steel

Listings/Approvals
• UL (Underwriters Laboratories)



HLC-H Sleeve Anchor — Bolt Head

Description	Hole Dia	Min. Drill Depth	Min. Emb. Depth	Max Fixture Thickness at Min. Emb	Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Wk Loads[1] at Minimum Emb in 4000 psi Concrete	
									Tension (lb)	Shear (lb)
HLC-H 5/16" x 1-5/8"	5/16"	1-3/8"	1"	5/8"	00336244	100	00338090	1200	450	560
HLC-H 5/16" x 2-5/8"	5/16"	1-3/8"	1"	1-5/8"	00336245	100	00338091	800	450	560
HLC-H 3/8" x 1-7/8"	3/8"	1-3/4"	1-1/4"	5/8"	00336252	50	00338098	600	565	870
HLC-H 3/8" x 3"	3/8"	1-3/4"	1-1/4"	1-3/4"	00336253	50	00338099	450	565	870
HLC-H 1/2" x 2-1/4"	1/2"	2-1/8"	1-1/2"	3/4"	00336259	50	00338105	400	925	1325
HLC-H 1/2" x 3"	1/2"	2-1/8"	1-1/2"	1-1/2"	00336260	25	00338106	225	925	1325
HLC-H 1/2" x 4"	1/2"	2-1/8"	1-1/2"	2-1/2"	00336261	25	00338107	225	925	1325

HLC-HX Sleeve Anchor — Hex Nut

Description	Hole Dia	Min. Drill Depth	Min. Emb. Depth	Max Fixture Thickness at Min. Emb	Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Wk Loads[1] at Minimum Emb in 4000 psi Concrete	
									Tension (lb)	Shear (lb)
HLC-HX 5/16" x 1-5/8"	5/16"	1-3/8"	1"	1/2"	00336242	100	00338088	1200	450	560
HLC-HX 5/16" x 2-5/8"	5/16"	1-3/8"	1"	1/2"	00336243	100	00338089	900	450	560
HLC-HX 3/8" x 1-7/8"	3/8"	1-3/4"	1-1/4"	5/8"	00336246	50	00338092	600	565	870
HLC-HX 3/8" x 3"	3/8"	1-3/4"	1-1/4"	1-3/4"	00336247	50	00338093	450	565	870
HLC-HX 1/2" x 2-1/4"	1/2"	2-1/8"	1-1/2"	3/4"	00336255	50	00338101	400	925	1325
HLC-HX 1/2" x 3"	1/2"	2-1/8"	1-1/2"	1-1/2"	00336256	25	00338102	225	925	1325
HLC-HX 1/2" x 4"	1/2"	2-1/8"	1-1/2"	2-1/2"	00336257	25	00338103	225	925	1325
HLC-HX 1/2" x 6"	1/2"	2-1/8"	1-1/2"	4-1/2"	00336258	15	00338104	135	925	1325
HLC-HX 5/8" x 2-1/4"	5/8"	2-5/8"	2"	1/4"	00336263	10	00338109	120	1500	2295
HLC-HX5/8" x 4-1/4"	5/8"	2-5/8"	2"	2-1/4"	00336264	10	00338110	80	1500	2295
HLC-HX 5/8" x 6"	5/8"	2-5/8"	2"	4"	00336265	10	00338111	90	1500	2295
HLC-HX 3/4" x 2-1/2"	3/4"	2-5/8"	2"	1/2"	00336266	10	00338112	80	1500	3000
HLC-HX 3/4" x 4-1/4"	3/4"	2-5/8"	2"	1-3/4"	00336267	10	00338113	60	1500	3000
HLC-HX 3/4" x 6-1/4"	3/4"	2-5/8"	2"	3-3/4"	00336268	10	00338114	60	1500	3000

HLC-HX Sleeve Anchor — 304SS Hex Nut

Description	Hole Dia	Min. Drill Depth	Min. Emb. Depth	Max Fixture Thickness at Min. Emb	Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Wk Loads[1] at Minimum Emb in 4000 psi Concrete	
									Tension (lb)	Shear (lb)
HLC-HX 304SS 1/4" x 2-1/4"	1/4"	1-3/8"	1"	1-1/8"	00401589	100	03448192	1200	300	450
HLC-HX 304SS 5/16" x 1-1/2"	5/16"	1-3/8"	1"	1/4"	00401590	100	03448493	1200	410	675
HLC-HX 304SS 5/16" x 2-1/2"	5/16"	1-3/8"	1"	1-1/4"	00401591	100	03448494	1200	410	675
HLC-HX 304SS 3/8" x 1-7/8"	3/8"	1-3/4"	1-1/4"	3/8"	00401592	50	03448495	600	600	1000
HLC-HX 304SS 3/8" x 3"	3/8"	1-3/4"	1-1/4"	1-1/2"	00401593	50	03448496	600	600	1000

1 Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data

HLC-FPH Sleeve Anchor — Flat Phillips Head

Description	Hole Dia	Min. Drill Depth	Min. Emb. Depth	Max Fixture Thickness at Min. Emb	Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Wk Loads[1] at Minimum Emb in 4000 psi Concrete	
									Tension (lb)	Shear[2] (lb)
HLC-FPH 1/4" x 1-3/8"	1/4"	1-3/8"	1"	3/8"	00336234	100	00338080	2400	250	305
HLC-FPH 1/4" x 2"	1/4"	1-3/8"	1"	1"	00336235	100	00338081	2400	250	305
HLC-FPH 1/4" x 3"	1/4"	1-3/8"	1"	2"	00336236	100	00338082	1600	250	305
HLC-FPH 1/4" x 4"	1/4"	1-3/8"	1"	3"	00336237	100	00338083	1200	250	305
HLC-FPH 3/8" x 2-7/8"	3/8"	1-3/4"	1-1/4"	1-1/2"	00336248	50	00338094	600	565	870
HLC-FPH 3/8" x 4"	3/8"	1-3/4"	1-1/4"	2-3/4"	00336249	50	00338095	400	565	870
HLC-FPH 3/8" x 5"	3/8"	1-3/4"	1-1/4"	3-3/4"	00336250	50	00338096	400	565	870
HLC-FPH 3/8" x 6"	3/8"	1-3/4"	1-1/4"	4-3/4"	00336251	25	00338097	300	565	870

HLC-RS Sleeve Anchor — Round Head Slotted

Description	Hole Dia	Min. Drill Depth	Min. Emb. Depth	Max Fixture Thickness at Min. Emb	Box Only Item No.	Qty	Allowable Wk Loads[1] at Minimum Emb in 4000 psi Concrete	
							Tension (lb)	Shear (lb)[2]
HLC-RS 1/4" x 1-1/4"	1/4"	1-3/8"	1"	1/4"	00336238	100	250	305
HLC-RS 1/4" x 2"	1/4"	1-3/8"	1"	1"	00336239	100	250	305
HLC-RS 1/4" x 4"	1/4"	1-3/8"	1"	3"	00336240	100	250	305

HLC-AC Sleeve Anchor — Acorn Head

Description	Hole Dia	Min. Drill Depth	Min. Emb. Depth	Max Fixture Thickness at Min. Emb	Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Wk Loads[1] at Minimum Emb in 4000 psi Concrete	
									Tension (lb)	Shear (lb)
HLC-AC 1/4" x 1-3/8"	1/4"	1-3/8"	1"	3/8"	00336232	100	00338078	1800	250	305
HLC-AC 1/4" x 2-1/4"	1/4"	1-3/8"	1"	1-1/4"	00336233	100	00338079	1200	250	305

HLC-RC Sleeve Anchor — Rod Coupling

Description	Hole Dia	Min. Drill Depth	Min. Emb. Depth		Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Wk Loads[1] at Minimum Emb in 4000 psi Concrete	
									Tension (lb)	Shear (lb)
HLC-RC 3/8" x 1-7/8"	3/8"	1-3/4"	1-1/4"		00336254	50	00338100	400	565	870
HLC-RC 1/2" x 2-1/4"	1/2"	2-1/8"	1-1/2"		00336262	25	00338108	200	925	1325
HLC-RC 5/8" x 2-1/4"	5/8"	2-5/8"	2"		00251966	25	00369429	75	1500	2235

HLC-T Sleeve Anchor

Description	Hole Dia	Min. Drill Depth	Min. Emb. Depth	Box Only Item No.	Qty	Allowable Wk Loads[1] at Minimum Emb in 4000 psi Concrete	
						Tension (lb)	Shear (lb)[2]
HLC-T 1/4" x 1-3/8"	1/4"	1-3/8"	1"	00336241	50	250	305

1 Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data
2 Values for shear plane acting through anchor body. If acting through hollow of head, reduce shear values by 57%.

Hilti Reusable Coil Anchor

Features and Applications

- Hex head bolt style enables low profile fastenings to be made (separate washer included)
- Significant cost savings as result of multiple-use design
- Stud type coil anchors make through-type fastenings a snap
- Coil anchors are preassembled units to keep production fastenings moving quickly

Technical Data	HCA
Base material	Concrete
Anchor material	Carbon steel, case hardened, zinc plated

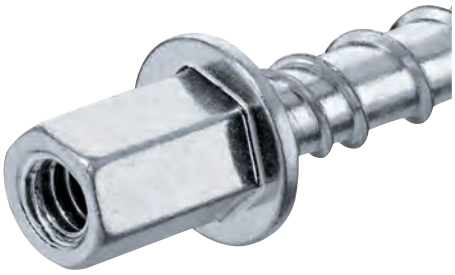
Description	Hole Dia	Min. Emb Depth	Max. Fixture Thickness at Min. Emb	Install Torque ft-lb	Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Loads 4000 psi Concrete[1]		
									Std. Emb Depth	Tension (lb)	Shear (lb)
HCA 1/4" x 1-3/4"	1/4"	3/4"	5/8"	10	00252000	100	00339622	1000	3/4"	325	330
HCA 1/4" x 2-1/2"	1/4"	3/4"	1-3/8"	10	00252002	100	00339623	1000	1"	500	535
HCA 1/4" X 3-1/2"	1/4"	3/4"	2-3/8"	10	00252003	100	00339624	600	1"	500	535
HCA 3/8" x 2-1/4"	3/8"	1-1/2"	1/8"	40	00252004	100	00339625	500	1-1/2"	920	1205
HCA 3/8" x 3"	3/8"	1-1/2"	7/8"	40	00252005	100	00339626	500	2"	1420	1965
HCA 3/8" x 5"	3/8"	1-1/2"	2-7/8"	40	00252007	50	00339628	250	2"	1420	1965
HCA 1/2" x 3"	1/2"	2"	3/8"	80	00252010	50	00339629	250	2"	1420	2145
HCA 1/2" x 4"	1/2"	2"	1-3/8"	80	00252011	50	00339630	250	3"	2605	4270
HCA 1/2" x 5-1/2"	1/2"	2"	2-7/8"	80	00252012	25	00339631	125	3"	2605	4270
HCA 1/2" x 7"	1/2"	2"	4-3/8"	80	00252013	25	00339632	125	3"	2605	4270
HCA 5/8" x 3-1/2"	5/8"	2-3/8"	3/8"	130	00252014	25	00339633	125	2-3/8"	1835	3075
HCA 5/8" x 5"	5/8"	2-3/8"	1-7/8"	130	00252015	25	00339634	100	3-7/8"	3825	7070
HCA 5/8" x 8"	5/8"	2-3/8"	4-7/8"	130	00252016	20	00339635	80	3-7/8"	3825	7070
HCA 3/4" x 4-1/2"	3/4"	3-1/4"	1/4"	180	00252017	20	00339636	80	3-1/4"	2940	5540
HCA 3/4" x 6"	3/4"	3-1/4"	1-3/4"	180	00252018	10	00339637	40	4-1/2"	4790	9630
HCA 3/4" x 10"	3/4"	3-1/4"	5-3/4"	180	00252019	10	00339638	40	4-1/2"	4790	9630

1 Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data

HCT Replacement Coil for HCA Coil Anchor

Description	Qty	Item No.	Qty	Master Carton Item No.
HCT 1/4"	100	00255985	3000	00339639
HCT 3/8"	100	00255987	2500	00339640
HCT 1/2"	100	00255988	2000	00339641
HCT 5/8"	100	00255989	1500	00339642
HCT 3/4"	50	00255990	1000	00339643

KWIK HUS-EZ-I Internally Threaded Concrete Anchor



Features and Applications

- Highly productive solution for applications that require an ICC approval for concrete and seismic areas
- Especially suited for seismic and cracked concrete applications
- Seismic qualification tested in accordance with ICC-ES AC 193 and AC 106
- Quick and easy to install, with no high-accuracy torque wrench required and no hammering
- Optimized thread design for best-in-class setting performance and superior load values
- For use with standard ANSI-tolerance drill bit; no special tolerance drill bits are required

2003 IBC Compliant Anchor
2006 IBC Compliant Anchor
2009 IBC Compliant Anchor

Technical Data	KWIK HUZ-EZ-I
Base material	• Cracked and uncracked concrete • Light weight concrete • Light weight concrete over metal deck
Anchor material	• Carbon steel, electroplated zinc min 8 microns

Listings/Approvals
- ICC-ES (Intenational Code Council) - ESR- 3027 (AC193 cracked and uncracked concrete)
- FM (Factory Mutual)
- Qualified under an NQA-1 nuclear quality program
- COLA (City of Los Angeles) - RR 25897

Description	Internal Thread Diameter	Hole Diameter	Thread Length in Coupler	Minimum Embedment Depth	Box Only Item No.	Qty (pcs) Box	Master Carton Item No.	Qty	Allowable Loads > 4000 psi Concrete[1] Tension (lb)
KH-EZ 1/4" x 1-5/8" I-1/4"	1/4"	1/4"	3/8"	1-5/8"	00423471	100	03469867	1200	483
KH-EZ 1/4" x 2-1/2" I-1/4"	1/4"	1/4"	3/8"	2-1/2"	00418039	100	03469869	900	1304
KH-EZ 1/4" x 1-5/8" I-3/8"	3/8"	1/4"	7/16"	1-5/8"	00423472	100	03469868	900	483
KH-EZ 1/4" x 2-1/2" I-3/8"	3/8"	1/4"	7/16"	2-1/2"	00418040	100	03469870	600	1304

Setting tools and sockets for KWIK HUS-EZ-I screw anchors

Hilti has everything you need to get the job done — TE 4-A18 Cordless Rotary Hammer Drill, TE-CX drill bits, 18 Volt Cordless Impact Wrench, KWIK-HUS anchors and sockets

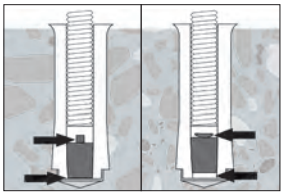
Setting tools

Order Description	Internal Thread Diameter		Item No.
SIW 18-A Impact Wrench with one (fixed) set of six sockets	-		03482658
SID 18-A Compact Impact Driver	-		03482619
S-NSD-1/2"-3/8" standard	1/4"		00289146
S-NSD-1/2"-1/2" standard	3/8"		00304750

8

HDI Drop-in Anchor

Hilti exclusive intelligent expansion section 3/8" and 1/2" Sizes



Low-strength base material (fully set) High-strength base material (fully set)

Features and Applications

- Anchor and setting tool form a matched tolerance system to provide reliable fastenings
- Below surface setting for easy patchwork
- Allows for shallow embedment without sacrificing performance

Technical Data	HDI
Base material	• Uncracked concrete • Lightweight concrete • Lightweight concrete over metal deck
Anchor material	• HDI carbon steel material meets the requirements of AISI 1110M or AISI 1010 for the 1/4", 3/8" and 1/2" HDI's and AISI 12L14 for the 5/8" and 3/4" HDI's • Carbon steel HDI plated with a zinc finish for corrosion protection in accordance with ASTM B633, SC 1, Type III • HDI stainless steel material meets the requirements of AISI 303

Listings/Approvals
- UL (Underwriter Laboratories)
- FM (Factory Mutual)
- Meets the description in Federal Specification - FF-S-325, Group VIII, Type 1

Carbon Steel

Description	Hole Dia	Embed and Anchor Length	Useable Thread Length	Internal Thread Size	Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Loads 4000 psi concrete[1] Tension (lb)	Shear (lb)
HDI 1/4"	3/8"	1"	7/16"	1/4"	00336425	100	03001507	1200	570	625
HDI 3/8"	1/2"	1-9/16"	5/8"	3/8"	00336426	50	03001508	600	1115	1250
HDI 1/2"	5/8"	2"	11/16"	1/2"	00336427	50	03001509	300	1785	2125
HDI 5/8"	27/32"	2-9/16"	7/8"	5/8"	00336428	25	00258540	100	2920	3250
HDI 3/4"	1"	3-3/16"	1-3/8"	3/4"	00336429	25	00258541	100	4065	5000

Stainless Steel

Description	Hole Dia	Embed and Anchor Length	Useable Thread Length	Internal Thread Size	Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Loads 4000 psi concrete[1] Tension (lb)	Shear (lb)
HDI 1/4" SS303	3/8"	1"	7/16"	1/4"	00336430	100	00339617	1200	480	600
HDI 3/8" SS303	1/2"	1-9/16"	5/8"	3/8"	00336431	50	00339618	600	1040	1230
HDI 1/2" SS303	5/8"	2"	11/16"	1/2"	00336432	50	00339619	300	1840	2760
HDI 5/8" SS303	27/32"	2-9/16"	7/8"	5/8"	00336433	25	00339620	100	2630	4510
HDI 3/4" SS303	1"	3-3/16"	1-3/8"	3/4"	00336434	25	00339621	100	3830	5580

1 Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data

HDI-L Flush Drop-in Anchor

Features and Applications

- Lip provides flush installation, consistent anchor depth, and easy rod alignment
- Intelligent expansion section adapts to the base material and reduces number of hammer blows up to 50%
- Lip allows accurate flush surface setting, independent of hole depth and ideal for repetitive fastenings with threaded rods of equal length

Technical Data	HDI-L
Base material	• Uncracked concrete • Lightweight concrete
Anchor material	• Carbon Steel HDI plated with a zinc finish for corrosion protection in accordance with ASTM B633, SC 1, Type III

Listings/Approvals
- Meets the description in Federal Specification - FF-S-325, Group VIII, Type 1

Carbon Steel

Description	Hole Dia	Embed and Anchor Length	Useable Thread Length	Internal Thread Size	Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Loads 4000 psi concrete[1] Tension (lb)	Shear (lb)
HDI-L 1/4"	3/8"	1"	7/16"	1/4"	00283608	100	03001510	1200	570	625
HDI-L 3/8"	1/2"	1-9/16"	5/8"	3/8"	00409496	50	03461598	600	1115	1250
HDI-L 1/2"	5/8"	2"	11/16"	1/2"	00283610	50	03001512	300	1785	1940

1 Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data

HDI-P Short Drop-in Anchor

Features and Applications

- Optimized 3/4" anchor length to allow reliable fastening in hollow core panels, pre-cast plank and post tensioned slabs
- Shallow drilling enables fast installation
- Lip provides flush installation, consistent anchor depth, and easy rod alignment
- Setting tool leaves mark on flange when anchor is set properly to aide inspection and verify proper expansion

Technical Data	HDI-P
Base material	• Uncracked concrete • Hollow core concrete panels
Anchor material	• Anchor material is AISI 1010 or AISI 1110M • Carbon steel anchor plating is dull zinc, in accordance with ASTM B633, SC 1, Type III

The HSD-G Setting Tool leaves a mark on the flange when the anchor has been fully set increasing reliability of installations.

Carbon Steel

Description	Hole Dia	Embed and Anchor Length	Useable Thread Length	Internal Thread Size	Qty	Item No.	Qty	Master Carton Item No.
HDI-P 1/4"	3/8"	3/4"	3/8"	1/4"	100	00409498	-	-
HDI-P 3/8"	1/2"	3/4"	3/8"	3/8"	100	00409499	1200	03461601
HDI-P 1/2"	5/8"	3/4"	3/8"	1/2"	50	00409500	-	-

HDI-S Speed Thread Drop-in Anchor

Features and Applications

- Designed to accept coil rods
- Setting with the standard HDI setting tool
- Forms a matched tolerance system for your forming applications

Technical Data	HDI-S
Base material	• Concrete • Solid block
Anchor material	• Carbon steel zinc plated

Carbon Steel

Description	Hole Dia	Embed and Anchor Length	Useable Thread Length	Internal Thread Size	Box Only Item No.	Qty	Master Carton Item No.	Qty	Allowable Loads 4000 psi concrete[1] Tension (lb)	Shear (lb)
HDI-S 1/2"	5/8"	2"	11/16"	1/2" - 6 TPI	00336931	50	00337858	300	1785	1570
HDI-S 3/4	1"	3-3/16"	1-3/8"	3/4" - 4-1/2 TPI	00336932	25	-		4065	3700

1 Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data

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Accessories

Hand Setting Tool — Standard

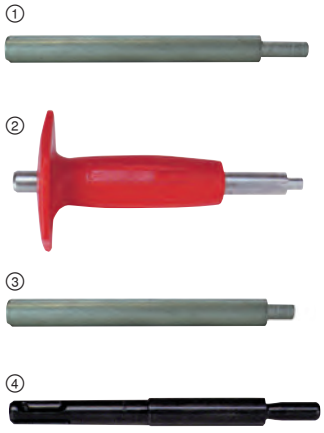
Description		Sets Anchor Size	Qty	Item No
HST 1/4" Hand Setting Tool	①	1/4" HDI / HDI-L	1	00032978
HST 3/8" Hand Setting Tool	①	3/8" HDI / HDI-L	1	00032979
HST 1/2" Hand Setting Tool	①	1/2" HDI / HDI-L / HDI-S	1	00032980
HST 5/8" Hand Setting Tool	①	5/8" HDI	1	00032981
HST 3/4" Hand Setting Tool	①	3/4" HDI / HDI-S	1	00032982

Hand Setting Tool for HDI-P

Description		Sets Anchor Size	Qty	Item No
HST-P 1/4" Hand Setting Tool	③	HDI-P 1/4"	1	02034017
HST-P 3/8" Hand Setting Tool	③	HDI-P-3/8"	1	00253784
HSD-G 3/8" Hand Setting Tool with hand guard	②	HDI-P-3/8"	1	00247776
HST-P 1/2" Hand Setting Tool	③	HDI-P 1/2"	1	02034016

Automatic Setting Tool (for TE 16, TE 16-C, TE 25, TE 35 (C chuck drills)

Description		Sets Anchor Size	Qty	Item No
HSD-M M 3/8" (TE-C-24 SD 10-3/8" Setting Tool)	④	3/8" HDI / HDI-L	1	00243751
HSD-M M 1/2" (TE-C-24 SD 12-1/2" Setting Tool)	④	1/2" HDI / HDI-L	1	00243752



HCI-WF/MD Cast-In Anchors

Features and Applications

- Installation from above
  - No overhead drilling and anchor installation
  - No ladder or platforms needed
- Hexagon head prevents spinning in concrete
- Identification decal for flexible color application
- HCI-WF: Large plastic flange helps ensure anchor is flush with wood form to prevent concrete from entering threads
- HCI-WF: Easy break-off nails
- HCI-MD: Protective plastic sleeve to prevent concrete, firestop spray, or insulation spray from entering threads
- HCI-MD: Flange prepared for additional screws if required for pre-concrete rod installation
- HCI-MD: Strong placement spring for reliable placement

Technical Data	HCI-WF/MD
Base material	• HCI-WF: Concrete poured, after anchor placement, over wood form with a minimum slab thickness of four inches • HCI-MD: Concrete poured, post anchor placement, over metal deck with a minimum slab thickness of four inches
Anchor material	• HCI-WF: Heat treated, zinc-plated carbon steel body with an engineeered plastic flange • HCI-MD: Heat treated, zinc-plated carbon steel body, flange and spring with an engineeered plastic protective sleeve

Listings/Approvals
- FM (Factory Mutual)
  Pipe hanger components for automatic sprinkler
  HCI-WF 3/8" and 1/2"
  HCI-MD 3/8" to 3/4"
- UL (Underwriter Laboratories)
  HCI-WF 3/8" to 3/4""
  HCI-MD 3/8" to 3/4"

HCI-WF Cast-In Anchor for use in Wooden Form

Description	Emb Depth	Qty	Item No.	Allowable Loads (lb) ≥ 3000 psi light-weightconcrete[1] Tension	Shear
HCI – WF 1/4"	1-7/8"	150	00282907	1500	1235
HCI – WF 3/8"	1-7/8"	150	00282908	1500	1235
HCI – WF 1/2"	2"	100	00282909	1500	2625
HCI-WF 5/8"	2"	100	00285927	1500	2625
HCI-WF 3/4"	2"	100	00285928	1500	2625

Color Identification Decals for use with HCI-WF

Description	Qty	Item No.
HCI – WFID Decal Color: Blue	300	00284256
HCI – WFID Decal Color: Green	300	00284257

HCI-MD Cast–In Anchor for use in Metal Deck and Accessories

Description	Hole Saw Dia	Emb Depth	Hole Saw Item No.	Arbor Item No.	Qty	Item No.	Allowable Loads (lb) ≥ 3000 psi light-weight concrete over metal deck*[1] Tension	Shear
HCI – MD 1/4"	7/8"	2"	00283131	00283124	100	00282910	1560	1735
HCI – MD 3/8"	7/8"	2"	00283131	00283124	100	00282911	1560	1735
HCI – MD 1/2"	1 3/16"	2"	03001812	00283124	60	00282912	2370	2750
HCI-MD 5/8"	1-3/16"	2"	03001812	00283124	60	00285929	2370	2750
HCI-MD 3/4"	1-1/4"	2"	00283134	00283126	60	00285930	2795	2750

*Anchor is installed in the upper flute of the deck
1 Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data

Stepper drill bits for drilling holes through metal deck to install HCI-MD available — see page 51

Light-duty Anchor Selector Chart

Light-duty Anchors

	Size		Head Type				Base Material						Corrosion Resistance			
	Minimum Size	Maximum Size	Flush (Internally Threaded)	Hex	Countersunk	Round/Mushroom	Concrete	Lightweight Concrete	Grout-filled Block	Hollow Block/Brick	Solid Brick	Drywall Panel	Electro Plated Zinc	303 / 304 Stainless Steel	Zinc Alloy	Plastic
KWIK-CON II Screw Anchor	3/16"	1/4"		■	■		■	□	□	■	■		■	■ 410		
Metal HIT Drive Anchor	3/16"	1/4"				■	■	□	□	■	■		■	■	■	
HPS-1 Impact Anchor	3/16"	5/16"			■		■	□	□	■	■		■	■		■
IDP Insulation Anchor	2" L	6" L					■	■	□	□	■					■
TOGGLER® Bolt Hollow Wall Anchor	3/16"	1/2"	■							■		■	■			
KwikTog Drywall Anchor	#8	#10	■				■	□	□	■	□	■				■
HSP / HFP Self-drilling Drywall Anchor	#8	#8	■									■			■ HSP	■ HFP
HUD-1 / HUD-L Universal Plastic Anchor	3/16"	5/16"	■				■	■	■	■	■	□				■

■ Very Suitable □ Application Specific Suitable 1 Stalguard Coating: 800 hrs salt spray per ASTM B117

- Additional sizes may be available through special order
- For technical support or for applications outside the anchor range listed, call 1-800-879-8000 in US, 1-800-363-4458 in Canada

8

KWIK CON II+
Concrete and Masonry Screw

Features and Applications

- Choice of head styles: torx hex washer head for fast, secure driving; Torx or Phillips flat head for countersinking applications
- Matched tolerance carbide-tipped drill bits for highest performance
- Exclusive internal Torx drive
- Zinc plated to minimum 8 microns
- Stainless steel fasteners available in select sizes (or through our specials department)

Technical Data	KWIK-CON II+
Base material	• Concrete • Grout filled block • Hollow concrete block • Solid brick
Anchor material	• 1018 to 1022 cold rolled steel, case hardened, silver Kwik Cote coating (zinc basecoat with aluminum pigmented organic topcoat) • Stainless Steel 410
Listings/Approvals	• Miami-Dade County NOA-07-0924.03

KWIK-CON II+ Performance Data

Allowable Loads (lb)

Allowable Tensile and Shear Strength[1] — Allowable Loads

		≥ 4000 psi concrete		Hollow Block*		Red Brick[2]	
Anchor Diameter	Emb Depth	Tension	Shear	Tension	Shear	Tension	Shear
3/16"	1"	125	260	150	225	125	235
3/16"	1-3/4"	295	265	290	300	350	300
1/4"	1"	240	390	165	275	205	415
1/4"	1-3/4"	625	600	310	400	350	500

* ASTM Specification C90 Grade N, Type II Pilot holes drilled with TKB matched tolerance bits for concrete blocks
1 Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data
2 Due to wide strength variations encountered in masonry, these values shuld be considered to be guide values

KWIK-CON II+

KWIK-CON II+ 3/16" Torx Hex Head

Description	Dia	Total Length	Qty	Item No.	Qty	Master Carton Item No.	Combo 100 Anchors w/1 Bit Item No.
KWIK-CON II+ 3/16" x 1-1/4" THH	3/16"	1-1/4"	100	00433029	1000	03477569	03477615
KWIK-CON II+ 3/16" x 1-3/4" THH	3/16"	1-3/4"	100	00433030	1000	03477570	03477616
KWIK-CON II+ 3/16" x 2-1/4" THH	3/16"	2-1/4"	100	00433031	1000	03477571	03477617
KWIK-CON II+ 3/16" x 2-3/4" THH	3/16"	2-3/4"	100	00433032	1000	03477572	03477618
KWIK-CON II+ 3/16" x 3-1/4" THH	3/16"	3-1/4"	100	00433033	1000	03477573	03477619
KWIK-CON II+ 3/16" x 3-3/4" THH	3/16"	3-3/4"	100	00433034	1000	03477574	03477620
KWIK-CON II+ 3/16" x 4" THH	3/16"	4"	100	00433035	1000	03477575	03477621

KWIK-CON II+ 3/16" Torx Flat Head

Description	Dia	Total Length	Qty	Item No.	Qty	Master Carton Item No.	Combo 100 Anchors w/1 Bit Item No.
KWIK-CON II+ 3/16" x 1-1/4" TFH	3/16"	1-1/4"	100	00433010	1000	03477553	03477599
KWIK-CON II+ 3/16" x 1-3/4" TFH	3/16"	1-3/4"	100	00433011	1000	03477554	03477600
KWIK-CON II+ 3/16" x 2-1/4" TFH	3/16"	2-1/4"	100	00433013	1000	03477555	03477601
KWIK-CON II+ 3/16" x 2-3/4" TFH	3/16"	2-3/4"	100	00433015	1000	03477556	03477602
KWIK-CON II+ 3/16" x 3-1/4" TFH	3/16"	3-1/4"	100	00433016	1000	03477557	03477603
KWIK-CON II+ 3/16" x 3-3/4" TFH	3/16"	3-3/4"	100	00433018	1000	03477558	03477604
KWIK-CON II+ 3/16" x 4" TFH	3/16"	4"	100	00433019	1000	03477559	03477605

KWIK-CON II+ 3/16" Phillips Flat Head

Description	Dia	Total Length	Qty	Item No.	Qty	Master Carton Item No.	Combo 100 Anchors w/1 Bit Item No.
KWIK-CON II+ 3/16" x 1-1/4" PFH	3/16"	1-1/4"	100	00433036	1000	03477576	03477622
KWIK-CON II+ 3/16" x 1-3/4" PFH	3/16"	1-3/4"	100	00433037	1000	03477577	03477623
KWIK-CON II+ 3/16" x 2-1/4" PFH	3/16"	2-1/4"	100	00433038	1000	03477578	03477624
KWIK-CON II+ 3/16" x 2-3/4" PFH	3/16"	2-3/4"	100	00433039	1000	03477579	03477625
KWIK-CON II+ 3/16" x 3-1/4" PFH	3/16"	3-1/4"	100	00433040	1000	03477580	03477626
KWIK-CON II+ 3/16" x 3-3/4" PFH	3/16"	3-3/4"	100	00433042	1000	03477581	03477627
KWIK-CON II+ 3/16" x 4" PFH	3/16"	4"	100	00433044	1000	03477582	03477628
KWIK-CON II+ 3/16" x 1-1/4" PFH St Steel	3/16"	1-1/4"	100	00433045	1000	03477583	03477629
KWIK-CON II+ 3/16" x 2-3/4" PFH St Steel	3/16"	2-3/4"	100	00433046	1000	03477584	03477630

KWIK-CON II+ 1/4" Torx Hex Washer Head

Description	Dia	Total Length	Qty	Item No.	Qty	Master Carton Item No.	Combo 100 Anchors w/1 Bit Item No.
KWIK-CON II+ 1/4" x 1-1/4" THWH	1/4"	1-1/4"	100	00433020	1000	03477560	03477606
KWIK-CON II+ 1/4" x 1-3/4" THWH	1/4"	1-3/4"	100	00433021	1000	03477561	03477607
KWIK-CON II+ 1/4" x 2-1/4" THWH	1/4"	2-1/4"	100	00433022	1000	03477562	03477608
KWIK-CON II+ 1/4" x 2-3/4" THWH	1/4"	2-3/4"	100	00433023	1000	03477563	03477609
KWIK-CON II+ 1/4" x 3-1/4" THWH	1/4"	3-1/4"	100	00433024	1000	03477564	03477610
KWIK-CON II+ 1/4" x 3-3/4" THWH	1/4"	3-3/4"	100	00433025	1000	03477565	03477611
KWIK-CON II+ 1/4" x 4" THWH	1/4"	4"	100	00433026	1000	03477566	03477612
KWIK-CON II+ 1/4" x 1-1/4" THWH St Steel	1/4"	1-1/4"	100	00433027	1000	03477567	03477613
KWIK-CON II+ 1/4" x 2-3/4" THWH St Steel	1/4"	2-3/4"	100	00433028	1000	03477568	03477614

KWIK-CON II+ 1/4" Torx Flat Head

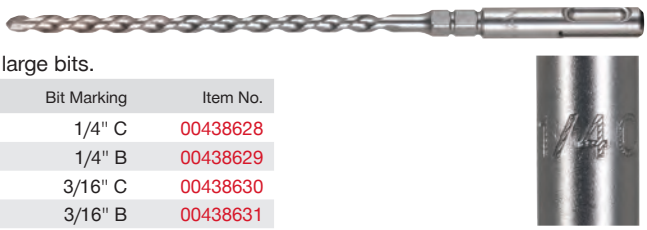
Description	Dia	Total Length	Qty	Item No.	Qty	Master Carton Item No.	Combo 100 Anchors w/1 Bit Item No.
KWIK-CON II+ 1/4" x 1-1/4" TFH	1/4"	1-1/4"	100	00433001	1000	03477546	03477592
KWIK-CON II+ 1/4" x 1-3/4" TFH	1/4"	1-3/4"	100	00433003	1000	03477547	03477593
KWIK-CON II+ 1/4" x 2-1/4" TFH	1/4"	2-1/4"	100	00433004	1000	03477548	03477594
KWIK-CON II+ 1/4" x 2-3/4" TFH	1/4"	2-3/4"	100	00433006	1000	03477549	03477595
KWIK-CON II+ 1/4" x 3-1/4" TFH	1/4"	3-1/4"	100	00433007	1000	03477550	03477596
KWIK-CON II+ 1/4" x 3-3/4" TFH	1/4"	3-3/4"	100	00433008	1000	03477551	03477597
KWIK-CON II+ 1/4" x 4" TFH	1/4"	4"	100	00433009	1000	03477552	03477598

KWIK-CON II+ 1/4" Phillips Flat Head

Description	Dia	Total Length	Qty	Item No.	Qty	Master Carton Item No.	Combo 100 Anchors w/1 Bit Item No.
KWIK-CON II+ 1/4" x 1-1/4" PFH	1/4"	1-1/4"	100	00433047	1000	03477585	03477631
KWIK-CON II+ 1/4" x 1-3/4" PFH	1/4"	1-3/4"	100	00433048	1000	03477586	03477632
KWIK-CON II+ 1/4" x 2-1/4" PFH	1/4"	2-1/4"	100	00433049	1000	03477587	03477633
KWIK-CON II+ 1/4" x 2-3/4" PFH	1/4"	2-3/4"	100	00433050	1000	03477588	03477634
KWIK-CON II+ 1/4" x 3-1/4" PFH	1/4"	3-1/4"	100	00433051	1000	03477589	03477635
KWIK-CON II+ 1/4" x 3-3/4" PFH	1/4"	3-3/4"	100	00433053	1000	03477590	03477636
KWIK-CON II+ 1/4" x 4" PFH	1/4"	4"	100	00433054	1000	03477591	03477637

Accessories

KWIK-CON II+ Matched Tolerance Drill Bits



For 3/16" diameter KWIK-CON use small bits. For 1/4" diameter KWIK-CON use large bits.

Description	Connection End	Bit Marking	Item No.
Concrete Bit 1/4"	TE-C (SDS)	1/4" C	00438628
Block Bit 1/4"	TE-C (SDS)	1/4" B	00438629
Concrete Bit 3/16"	TE-C (SDS)	3/16" C	00438630
Block Bit 3/16"	TE-C (SDS)	3/16" B	00438631
Concrete Bit 1/4"	Smooth Shank	1/4" C	00438632
Block Bit 1/4"	Smooth Shank	1/4" B	00438633
Concrete Bit 3/16"	Smooth Shank	3/16" C	00438634
Block Bit 3/16"	Smooth Shank	3/16" B	00438635

KWIK-CON II+ Hex Driver System

Description		Qty	Item No.
KWIK-CON Hex Driver Deluxe Kit		1	00235097
KWIK-CON 5/16" Hex Setter/Depth Locator	⑥	1	00235100
KWIK-CON Hex Driver	④	1	00235098
KWIK-CON Insert Bit Holder/Depth Locator	⑦	1	00235101
KWIK-CON 5/16" Hex Driver - KC II+ For all THWH without depth setting	⑤	1	00083313
Insert Bit#3 PHL TEK New Pack For use with all PFH KWIK-CON	①	10	00374711
Insert Bit Torx T-25 For use with all 3/16" TFH / THWH and 1/4" THWH KWIK-CON	③	10	00374714
Insert Bit Torx T-27 For use with all 1/4" TFH KWIK-CON	②	10	00374715

8

HMH Metal HIT Anchor

Features and Applications

- Quick and easy fastening for maximum speed and installation
- Low profile mushroom head style provides a nice finish and tamper proof fastening
- Anchor design allows easy through-type fastenings even in bottomless holes
- Consistent load values for light duty fastenings in concrete and masonry
- Choice of stainless steel or carbon steel nail allows for indoor or outdoor use

Technical Data	HMH
Base material	• Concrete • Solid brick • Hollow brick and concrete block
Anchor material	• Body: Aluminum/zinc alloy • Drive Pin: AISI 1018 carbon steel, zinc plated or 304 stainless steel

HMH Anchor[1]

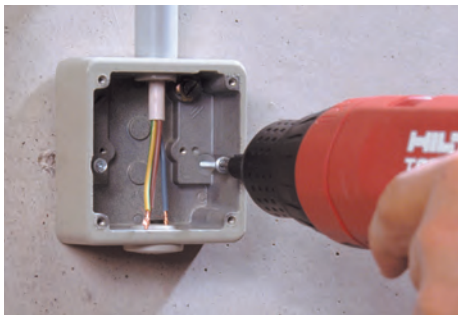
Description	Hole Dia	Anchor Length	Min. Emb Depth	Max. Fixture Thickness at Min. Emb	Qty	Item No.	Qty	Master Carton Item No.
HMH 3/16" x 7/8"	3/16"	7/8"	5/8"	1/4"	100	00066137	2000	00020679
HMH 1/4" x 3/4"	1/4"	3/4"	5/8"	1/8"	100	00015538	1000	00020680
HMH 1/4" x 1"	1/4"	1"	3/4"	1/4"	100	00066138	1000	00020681
HMH 1/4" x 1-1/4"	1/4"	1-1/4"	1"	1/4"	100	00066139	1000	00020682
HMH 1/4" x 1-1/2"	1/4"	1-1/2"	1"	1/2"	100	00066140	1000	00020683
HMH 1/4" x 2"	1/4"	2"	1"	1"	100	00045453	1000	00020684

HMH with 304 Stainless Steel Nail[1]

Description	Hole Dia	Anchor Length	Min. Emb Depth	Max. Fixture Thickness at Min. Emb	Qty	Item No.	Qty	Master Carton Item No.
HMH and SS Nail 1/4" x 1"	1/4"	1"	3/4"	1/4"	100	00230567	1000	00308495
HMH and SS Nail 1/4" x 1-1/4"	1/4"	1-1/4"	1"	1/4"	100	00230568	1000	00308496
HMH and SS Nail 1/4" x 1-1/2"	1/4"	1-1/2"	1"	1/2"	100	00230569	1000	00308497
HMH and SS Nail 1/4" x 2"	1/4"	2"	1"	1"	100	00230570	1000	00308498

1 Contact Hilti Technical Services for allowable design values

HPS-1 Impact Anchor



Features and Applications

- Anchor collar and screw head form a compact unit which allow countersinking in soft wood and solid clamping action with metal parts
- Expanding head opens in hollow base material to provide reliable keying effect
- Wide temperature range allows use in extreme climate conditions
- Suitable for through-hole fastenings to improve productivity
- Removability adds to HPS-1 versatility

Technical Data	HPS-1
Base material	• Concrete • Solid brick • Hollow brick and concrete block
Anchor material	High grade nylon material (PA 6.6 polyamide) • Free of cadmium and lead • Free of halogens and silicones • Temperature resistant from -40° F to 176° F • Anchor can be installed from 14° F to 104° F

HPS-1 Allowable Working Loads (lb) Guide Values*

Anchor Diameter	Minimum Embed Depth Hollow Base	Minimum Embed Depth Concrete	Concrete 2000 psi		Brick Masonry		Hollow Concrete Block (Normal Wt)	
			Tensile	Shear	Tensile	Shear	Tensile	Shear
3/16" x 1"	5/8"	3/4"	30	95	35	105	50	120
3/16" x 1-1/2"	5/8"	3/4"	30	95	35	105	50	120
1/4" x 1"	13/16"	7/8"	55	130	40	145	55	140
1/4" x 1-5/8"	13/16"	1"	70	135	45	165	60	160
1/4" x 2-1/16"	13/16"	1"	70	135	45	165	60	160
1/4" x 2-5/8"	13/16"	1"	70	135	45	165	60	160
5/16" x 1-5/8"	1"	1-3/16"	80	215	45	220	65	185
5/16" x 2-1/2"	1"	1-3/16"	80	215	45	220	65	185
5/16" x 3-5/8"	N/A	1-3/16"	90	110	N/A	N/A	N/A	N/A
5/16" x 4-3/8"	N/A	1-3/16"	90	110	N/A	N/A	N/A	N/A

* Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data

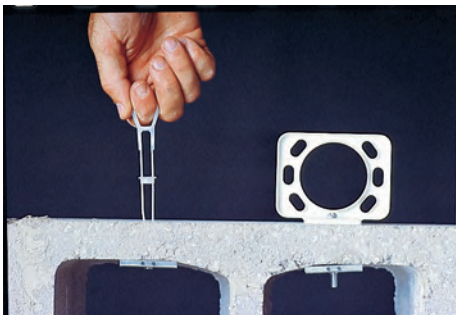
Carbon Steel

Description	Hole Dia	Anchor Length	Qty	Item No.	Qty	Master Carton Item No.	Max. Fastenable Material Thickness	
							in Concrete	in Hollow Base Materials
HPS-1 3/16" x 1"	3/16"	1"	200	00260347	2400	00247053	3/16"	3/8"
HPS-1 3/16" x 1-1/2"	3/16"	1-1/2"	200	00260348	2400	00247054	5/8"	3/4"
HPS-1 1/4" x 1"	1/4"	1"	200	00260368	2400	00247055	1/8"	3/16"
HPS-1 1/4" x 1-5/8"	1/4"	1-5/8"	100	00260344	900	00247056	5/8"	3/4"
HPS-1 1/4" x 2-1/16"	1/4"	2-1/16"	100	00260345	900	00247057	1"	1-3/16"
HPS-1 1/4" x 2-5/8"	1/4"	2-5/8"	100	00260346	900	00247058	1-5/8"	1-3/4"
HPS-1 5/16" x 1-5/8"	5/16"	1-5/8"	100	00260353	900	00247059	3/8"	5/8"
HPS-1 5/16" x 2-1/2"	5/16"	2-1/2"	50	00260354	600	00247060	1-3/16"	1-3/8"
HPS-1 5/16" x 3-5/8"	5/16"	3-5/8"	50	00260355	600	00247061	2-3/8"	N/A
HPS-1 5/16" x 4-3/8"	5/16"	4-3/8"	50	00260356	600	00247062	3-1/8"	N/A

Stainless Steel SS304

Description	Hole Dia	Anchor Length	Qty	Item No.	Qty	Master Carton Item No.	Max. Fastenable Material Thickness	
							in Concrete	in Hollow Base Materials
HPS-1 3/16" x 1" SS304	3/16"	1"	200	00260357	2400	00246935	3/16"	3/8"
HPS-1 3/16" x 1-1/2" SS304	3/16"	1-1/2"	200	00260358	2400	00246936	5/8"	3/4"
HPS-1 1/4" x 1" SS304	1/4"	1"	200	00230520	2400	00246937	1/8"	3/16"
HPS-1 1/4" x 1-5/8" SS304	1/4"	1-5/8"	100	00230521	900	00246938	5/8"	3/4"
HPS-1 1/4" x 2-1/16" SS304	1/4"	2-1/16"	100	00230522	900	00246939	1"	1-3/16"
HPS-1 1/4" x 2-5/8" SS304	1/4"	2-5/8"	100	00230523	900	00246940	1-5/8"	1-3/4"
HPS-1 5/16" x 3-5/8" SS304	5/16"	3-5/8"	50	00260365	600	00246943	2-3/8"	N/A

HTB TOGGLER® Bolt



Features and Applications

- Unique installation “legs” and locking cap facilitate fastenings in wide range of drywall and hollow wall materials up to 2-1/4" thick
- Once piece zinc plated carbon steel channel provides greater holding power
- Anchor is adjustable for various base material thicknesses for easier installation as well as minimum inventory investment
- Remains mounted in the wall without screw for convenient handling, installation and re-use

Technical Data	HTB
Base material	• Wide range of hollow-wall materials
Anchor material	• Metal channel: AISI 1010 steel, zinc plated • Pulling straps/locking cap: plastic

3/16" and 1/4"

Description	Hole Dia	Internal Thread Size	Screw Length	Item No. (100/Box)	Master Carton Item No. (500/MC)	Allowable Loads (lb.)[1]					
						1/2" Drywall		5/8" Drywall		Hollow Block	
						Tension	Shear	Tension	Shear	Tension	Shear
HTB 3/16" w/ PFH	1/2"	3/16"	2-1/2"	00374497	00374498	30	70	45	95	140	160
HTB 3/16" w/ SRH	1/2"	3/16"	2-1/2"	00374493	00374489	30	70	45	95	140	160
HTB 1/4" w/ SRH	1/2"	1/4"	2-1/2"	00374494	00374490	35	85	50	105	160	240
HTB 1/4" w/ PFH	1/2"	1/4"	2-1/2"	00374499	00374500	35	85	50	105	160	240
HTB 3/16" w/o Screw	1/2"	3/16"	–	00374495	00374491	*	*	*	*	*	*
HTB 1/4" w/o Screw	1/2"	1/4"	–	00374496	00374492	*	*	*	*	*	*

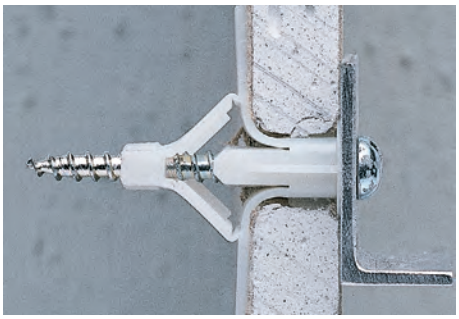
3/8" and 1/2"

Description	Hole Dia	Internal Thread Size	Screw Length	Item No. (25/Box)	Master Carton Item No. (250/MC)	Allowable Loads (lb.)[1]					
						1/2" Drywall		5/8" Drywall		Hollow Block	
						Tension	Shear	Tension	Shear	Tension	Shear
HTB 3/8 w/ SRH	3/4"	3/8"	2-1/2"	00066365	00020673	35	70	50	105	200	380
HTB 1/2 w/ SRH	3/4"	1/2"	2-1/2"	00066366	00020674	35	85	50	110	240	420
HTB 3/8 w/o Screw	3/4"	3/8"	–	00066370	00020677	*	*	*	*	*	*
HTB 1/2 w/o Screw	3/4"	1/2"	–	00066371	00020678	*	*	*	*	*	*

1 Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data

* Contact your Hilti Engineer for load values

Kwik Tog Drywall Anchor

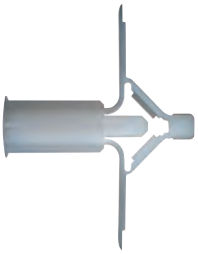


Features and Applications

- Unique one-piece design for easy setting
- Three convenient sizes for use in a variety of hollow base materials from 1/4" drywall to block and concrete
- Leg braces provide added support
- Ribs on body help prevent anchor from spinning during installation
- Remains mounted in the wall without screw for convenient handling, installation and reuse

Technical Data	Kwik Tog
Base material	• Virtually all existing building materials, especially for thin-walled and hollow base materials like panels and similar applilcations
Anchor material	High grade nylon material (PA 6 polyamide) • Free of cadmium and lead • Free of halogens and silicones • Resistant in temperatures from -40° F to 140° F

Description	Hole Dia	Recommended Screw Size		Hollow Base Material Thickness	Qty	Item No.	Qty	Master Carton Item No.	Allowable* Loads in 5/8" Drywall
		Hollow Base Mat	Solid Base Mat						Tension (lb)
Kwik Tog 2 (HLD2)	3/8"	#8 or #10	#10	3/16" to 5/8"	150	00335506	1800	03001809	25
Kwik Tog 3 (HLD3)	3/8"	#8 or #10	#10	5/8" to 7/8"	100	00335507	1200	03001810	35
Kwik Tog 4 (HLD4)	3/8"	#8 or #10	#10	15/16" to 1-1/4"	100	00335508	1200	03001811	–



* Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data

HSP/HFP Self-Drilling Drywall Anchor

Features and Applications

- "Shark's tooth" design for correct positioning and quick installation
- Cuts its own thread
- One Hilti bit for anchor and screws. No setting tool required
- Hilti HSP also available with 1/4" male connecting thread

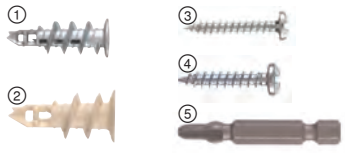
Technical Data	HSP/HFP
Base material	• Gypsum board (drywall)
Anchor material	• HSP: die cast zinc • HFP: PA 6.6 polyamide, glass fiber reinforced

HSP

HFP

Description		Anchor length (in)	Screw Dia	Qty	Item No.	Qty	Master Carton Item No.
HSP (zinc)	①	1-1/2	# 8	100	00332682	1600	00333979
HSP-S (zinc w/ screws)*	① ③	1-1/2	# 8	100	00332683	1600	00333980
HFP (nylon)	②	1-1/8	# 8	100	00332686	1600	00333982
HFP-S (nylon w/ screws)*	② ④	1-1/8	# 8	100	00332687	1600	00333983
D-B PH2 HSP/HFP Phillips head bit	⑤	-	-	5	00332688	-	-

*Delivered with 100 screws, # 8 x 1-3/16"

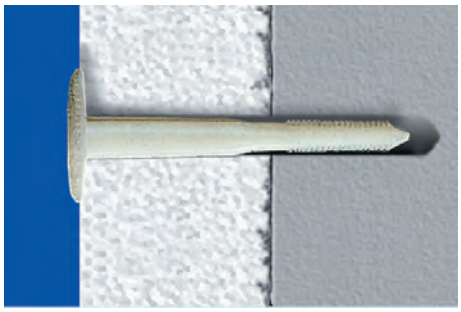


HSP/HFP Drywall Anchor Allowable Loads[1]

		Gypsum Wall Board Thickness			
		1/2"		5/8"	
Decscription		Tension lb (N)	Shear lb (N)	Tension lb (N)	Shear lb (N)
HSP with Screw # 8 x 1-3/16"	①	15 (70)	40 (180)	22 (100)	60 (270)
HFP with Screw # 8 x 1-3/16"	②	15 (70)	40 (180)	22 (100)	60 (270)

1 Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data

IDP Insulation Anchor



Features and Applications

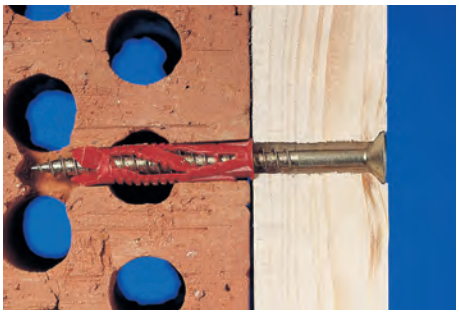
- Specially structured head to help ensure bonding of plaster applied directly over the anchor
- Suitable for insulation thickness up to 4-3/4" for enhanced versatility
- Installation in concrete and masonry allow versatile use
- No metal parts which reduces potential condensation behind finished coat of EIF systems

Technical Data	IDP
Base material	• Concrete • Lightweight concrete • Solid brick
Anchor material	Polypropylene (not UV resistant) • Free of heavy metals • Free of halogens and silicones • In-place temperature resistant from -40° F to 176° F • Anchor can be installed from 32° F to 104° F

Description	Hole Dia	Anchor Length	Min. Emb	Insulation Thickness	Average Ultimate Pullout (lb)[3, 4] Hollow Concrete[1]	Concrete Block[2]	Brick	Qty	Item No.
IDP 0/2	5/16"	2"	1-1/8"	to 7/8"	110	45	55	250	00332105
IDP 2/4	5/16"	2-3/4"	1-1/8"	7/8 to 1-3/4"	110	45	55	250	00332106
IDP 4/6	5/16"	3-1/2"	1-1/8"	1-3/4" to 2-3/8"	110	45	55	250	00332107
IDP 6/8	5/16"	4-1/4"	1-1/8"	2-3/8 to 3-1/8"	110	45	55	250	00332108
IDP 8/10	5/16"	5"	1-1/8"	3-1/8 to 4"	110	45	55	250	00332109
IDP 10/12	5/16"	6"	1-1/8"	4 to 4-3/4"	110	45	55	250	00332110

1 Concrete Strength fc = 2500 psi
2 Hollow Concrete Block meets ASTM SPEC C90, Grade N, Type II
3 Pullout values may be limited by the strength of the material fastened. Always refer to Hilti Product Technical Guide for complete details on anchor specifications, limitations, explanation of data, information on other base materials and embedments, and other technical data
4 Allowable loads shoud be calculated using a minimum safety factor of 4 applied to the ultimate load

HUD-1/HUD-L
Universal Plastic Anchor



Features and Applications

- Precisely controlled screw guidance keeps the screw within the anchor shank
- Four-way expanding head
- HUD-1: Flared collar makes the anchor suitable for pre or through installation fixtures
- HUD-L: No collar makes the anchor suitable for installation through fixtures
- HUD-1 and HUD-L: 1/4" and 5/16" sizes form a keying knot when installed in hollow material

Technical Data	HUD-1/HUD-L
Base material	• Concrete • Lightweight concrete • Hollow block • Hollow and solid brick • Aerated concrete • Drywall
Anchor material	• High-grade nylon material (PA6 polyamide) • Contains no halogen and no heavy metals • Resistant in temperatures from -40° F to 176° F

HUD-1

Description	Package Content	Head Style	Anchor Length	Screw Size	Max. Fixture Thickness[1]	Qty	Item No.
HUD-1 3/16" x 1"	without screws	-	1"	#8	-	500	00331615
HUD-1 3/16" x 1"	with #8 x 1-1/2" screws, TM masonry drill bit and #2 Phillips bit in 2-compartment plastic box	Pan Head	1"	#8	5/16"	100	00336483
HUD-1 3/16" x 1"	with #8 x 1-1/2" screws	Pan Head	1"	#8	5/16"	500	00336484
HUD-1 1/4" x 1-3/16"	without screws	1-3/16"	#10			500	00331616
HUD-1 1/4" x 1-3/16"	with #10 x 1-1/2 screws, TM masonry drill bit and #2 Phillips bit in 2-compartment plastic box	Pan Head	1-3/16"	#10	1/8"	100	00336485
HUD-1 1/4" x 1-3/16"	with #10 x 1-1/2" screws	Pan Head	1-3/16"	#10	1/8"	500	00336486
HUD-1 5/16" x 1-5/8"	without screws	-	1-5/8"	1/4"		400	00331617
HUD-1 5/16" x 1-5/8"	with 1/4" x 2" screws	Hex Lag Screw	1-5/8"	1/4"	3/16"	400	00336487
HUD-1 3/8" x 2"	without screws	-	2"	5/16"		200	00331618
HUD-1 3/8" x 2"	with 5/16" x 2-1/2" screws	Hex Lag Screw	2"	5/16"	5/16"	200	00336488

1 When using the included screws

HUD-L

Description	Package Content	Head Style	Anchor Length	Screw Size		Qty	Item No.
HUD-L 1/4" x 2"	without screws	-	2"	#10		400	00315938
HUD-L 3/8" x 2-3/4"	without screws	-	2-3/4"	5/16"		100	00315940

Light-duty Anchor Kit Box

Features and Applications

- One box with anchors for a wide range of base materials
- A compact unit to move from job to job, no loose parts
- The potential to customize the box contents after the initial purchase
- The opportunity to use new product without purchasing box quantities

Description	Item No.
LDA Kit Box Includes box, HLC Sleeve, Metal HIT, HPS-1, HUD-1, HSP/HFP, KWIK Tog and HTB TOGGLER® Bolt anchors	00234984
LDA Kit Box and Insert Only (empty)	00376175

Anchors Included in Kit

Product	Dia Range	Length Range	Bit Dia
HLC Sleeve Anchor	1/4" to 3/4"	1-3/8" to 6-1/4	1/4" to 3/4"
Metal HIT *	3/16" to 1/4"	7/8" to 2"	3/16" to 1/4"
HPS-1 *	3/16" to 5/16"	1" to 4-3/8"	3/16" to 5/16"
HUD-1	3/16" to 9/16"	1" to 2-3/4"	3/16" to 9/16"
HSP/HFP	–	1" to 1-5/16"	–
KWIK Tog	3/8"	3/16" to 1-1/4"	3/8"
HTB TOGGLER® Bolt	3/16" to 1/2"	3/8" to 3-3/4"	1/2" to 3/4"

*Also available in 304 stainless steel

* Add anchors and bits to online favorites list

Installation Systems

Hilti. Outperform. Outlast.

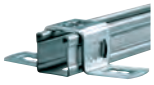
Strut 252

B2B Strut and Brackets 253

Fasteners 254

3D System 256

Angles and Connectors 257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9

Hilti. Outperform. Outlast.

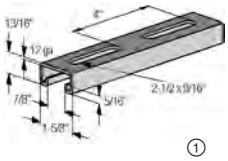
Hilti Strut (12 and 14 gauge)

Features and Applications

- C-profile with serrated edges for greater hold and adjustability with MQN Pushbuttons, strut nuts and saddle nuts
- Stamped markings every 2" to assist with measurement, cutting, and installation
- Slots for greater flexibility and longitudinal swaging for greater strength
- **Four (4) finishes/materials** to meet your job requirements: **PG** – Pre-Galvanized; **HDG** – Hot-Dipped Galvanized; **SS** – 316 Ti Stainless Steel; **GR E-coat** – Electro-Disposition Coating (Green)

Strut 13/16 in-12 gauge

Description		Hole Configuration	Weight per piece (lb)	Qty	Item No. Single piece	Qty (VIP)	Item No. VIP Pack
Strut 13/16 in-12 ga/PG 10 ft	①	2-1/2 in x 9/16 in	12.2	1	00407543	50	03453066
Strut 13/16 in-12 ga/PG 20 ft	①	2-1/2 in x 9/16 in	24.3	1	00407544	50	03453067
Strut 13/16 in-12 ga/PGS 10 ft	①	solid	15.4	1	00407545	50	03453064
Strut 13/16 in-12 ga/PGS 20 ft	①	solid	30.8	1	00407546	50	03453065
Strut 13/16 in-12 ga/HDG 10 ft		2-1/2 in x 9/16 in	12.8	1	00407569	50	03453650
Strut 1-5/8 in-12 gauge							
Strut 1-5/8 in-12 ga/PG 2 ft Kwik Cut	②	2-1/2 in x 9/16 in	3.6	1	00407551	50	03453075
Strut 1-5/8 in-12 ga/PG 4 ft Kwik Cut	②	2-1/2 in x 9/16 in	7.2	1	00407552	50	03453076
Strut 1-5/8 in-12 ga/PG 6 ft Kwik Cut	②	2-1/2 in x 9/16 in	10.8	1	00407553	50	03453077
Strut 1-5/8 in-12 ga/PG 6 ft 8 in Kwik Cut	②	2-1/2 in x 9/16 in	12.0	1	00407554	50	03453078
Strut 1-5/8 in-12 ga/PG 10 ft	②	2-1/2 in x 9/16 in	18.0	1	00407555	50	03453079
Strut 1-5/8 in-12 ga/PG 10 ft (11/16" slot)		2-1/2 in x 11/16 in	18.0	1	00407560	50	03453081
Strut 1-5/8 in-12 ga/PG 20 ft	②	2-1/2 in x 9/16 in	36.0	1	00407557	50	03453080
Strut 1-5/8 in-12 ga/PGS 10 ft	②	solid	18.5	1	00407561	50	03453073
Strut 1-5/8 in-12 ga/PGS 20 ft	②	solid	37.0	1	00407562	50	03453074
Strut 1-5/8 in-12 ga/GR E-coat 10 ft	②	2-1/2 in x 9/16 in	18.0	1	00407558	50	03453083
Strut 1-5/8 in-12 ga/GR E-coat 20 ft	②	2-1/2 in x 9/16 in	36.0	1	00407559	50	03453084
Strut 1-5/8 in-12 ga/HDG 10 ft		2-1/2 in x 9/16 in	18.8	1	00407570	50	03453082
Strut 1-5/8 in-12 ga/SS316 Ti 10 ft		2-1/2 in x 9/16 in	18.8	1	03424527	12	03424528
Strut 2-7/16 in-12 gauge							
Strut 2-7/16 in-12 ga/PG 10 ft	③	2-1/2 in x 9/16 in	24.5	1	00407566	40	03453087
Strut 2-7/16 in-12 ga/PG 20 ft	③	2-1/2 in x 9/16 in	49.0	1	00407567	40	03453088
Strut 2-7/16 in-12 ga/PG 20 ft (11/16" slot)		2-1/2 in x 11/16 in	48.5	1	00407568	-	-
Strut 13/16 in-14 gauge							
Strut 13/16 in-14 ga/PG 10 ft	④	2-1/2 in x 9/16 in	8.7	1	00407547	50	03453070
Strut 13/16 in-14 ga/PG 20 ft	④	2-1/2 in x 9/16 in	17.4	1	00407548	50	03453071
Strut 13/16 in-14 ga/PGS 10 ft	④	solid	9.7	1	00407549	50	03453069
Strut 13/16 in-14 ga/PG GR E-coat 10 ft	④	2-1/2 in x 9/16 in	8.7	1	00407550	50	03453072
Strut 13/16 in-14 ga/SS316 Ti 10 ft	④	2-1/2 in x 9/16 in	9.9	1	03445372	-	-
Strut 1-5/8 in-14 gauge							
Strut 1-5/8 in-14 ga/PG 10 ft	⑤	2-1/2 in x 9/16 in	13.6	1	00407563	50	03453085
Strut 1-5/8 in-14 ga/PG 20 ft	⑤	2-1/2 in x 9/16 in	27.2	1	00407564	50	03453086
Strut 1-5/8 in-14 ga/PGS 10 ft	⑤	solid	13.9	1	00407565	50	03453089



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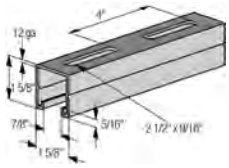

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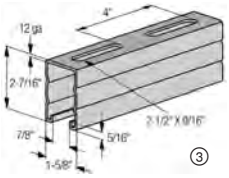

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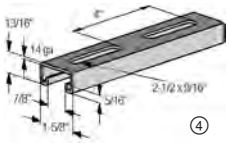

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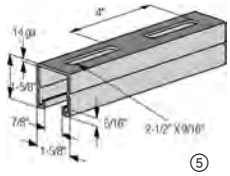


⑤

Material / Finishes

Pre-Galvanized
Pre-galvanized strut is manufactured using material produced by passing carbon steel sheets through a molten zinc bath in a process known as "hot-dip mill galvanization". The material conforms to ASTM A 653 grade 33 with a zinc thickness of G90 or 0.9 ounces of zinc per square foot. The channel is formed and slots are punched after the hot-dip process hence the name "pre-galvanized strut". Surfaces of the punched and cut portions are somewhat protected by the adjacent zinc plating which acts as a sacrificial anode impeding corrosion of the raw edges.

Electro-Galvanized
Carbon steel angles, connectors, bases, splices and fasteners are zinc electro-plated.

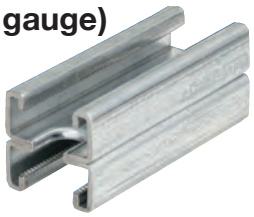
Hot Dipped Galvanized
According to ASTM A 123 for strut and ASTM A 153 for angles, connectors, bases, splices and fasteners.

Stainless Steel
SS 316 Ti — for strut and MQK brackets.
SS 316 — for angles, connectors, bases, splices and fasteners

Electro-Deposition Coating
Electro-Deposition Coating or "E-Coating" uses electricity to deposit a smooth, thin, uniform layer of plastic coating on the surface of the steel channel. The epoxy-coated strut is then cured in an oven at 400° C for 20 minutes. Salt spray (fog) testing has been conducted to verify the performance of the finish. The plastic coating was tested 600 hours in a salt spray chamber, in accordance with ASTM B 117.

Strut
Manufactured to MFMA-4

Back-to-Back Strut (12 gauge)

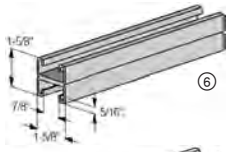


Features and Applications

- Spot weld process with post galvanizing for corrosion protection on carbon steel channels
- 9/16" wide slots, allow up to 1/2" threaded rod to pass through back-to-back strut without drilling; 11/16" wide slots allow for 5/8" rods
- C-profile with serrated edges for greater hold and adjustability with MQN Pushbuttons, strut nuts and saddle nuts
- Stamped markings every 2" to assist with measurement, cutting, and installation

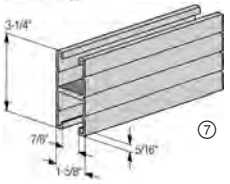
Strut 13/16 in-12 gauge back-to-back

Description		Hole Configuration	Weight per piece (lb)	Qty	Item No. Single piece
Strut 13/16 in-12 ga/PG back-to-back (10 ft)	⑥	2-1/2 in x 9/16 in	23.0	1	02007081



Strut 1-5/8 in-12 gauge back-to-back

Description		Hole Configuration	Weight per piece (lb)	Qty	Item No. Single piece
Strut 1-5/8 in-12 ga/PG back-to-back (10 ft)	⑦	2-1/2 in x 9/16 in	35.9	1	02007082
Strut 1-5/8 in-12 ga/PG back-to-back (20 ft)	⑦	2-1/2 in x 9/16 in	80.8	1	02007083
Strut 1-5/8 in-12 ga/SS316 Ti back-to-back (10 ft 1 in)	⑦	2-1/2 in x 9/16 in	35.9	1	03424529
Strut 1-5/8 in -12 ga/ HDG back-to-back (10 ft)	⑦	2-1/2 in x 9/16 in	37.6	1	02007087
Strut 1-5/8 in -12 ga/ PG back-to-back (10 ft) - 11/16" slot	⑦	2-1/2 in x 11/16 in	36.0	1	02007086



Strut 2 7/16 in -12 gauge back-to-back

Description	Hole Configuration	Weight per piece (lb)	Qty	Item No. Single piece
Strut 2 7/16 in -12 ga/ PG back-to-back (20 ft) - 11/16" slot	2-1/2 in x 11/16 in	97.0	1	02007084

MQK Bracket

Features and Applications

- C-profile with serrated edges for increased hold
- Installation assisted by dimension marking
- Slotted for greater flexibility
- Back-to-back brackets welded all around

Technical Data	MQK
Materials	Carbon steel Stainless steel 316 Ti
Finishes	Electro-galvanized Hot-dipped galvanized

MQK-21

Description		Strut Length (in)	Strut Length (mm)	Strut Section (ga/mm)	Weight per piece (lb)	Qty	Item No. Single piece
MQK-21/300	①	11-13/16 in	300	14/2	1.48	1	00369607
MQK-21/450	①	17-11/16 in	450	14/2	1.96	1	00369608

MQK-41/3

Description		Strut Length (in)	Strut Length (mm)	Strut Section (ga/mm)	Weight per piece (lb)	Qty	Item No. Single piece
MQK-41/3/300	②	11-13/16 in	300	12/3	2.62	1	00370595
MQK-41/3/600	②	23-5/8 in	600	12/3	4.54	1	00370597
MQK-41/600-F HDG	②	23-5/8 in	600	14/2	3.46	1	00304117
MQK-41/600-R SS316 Ti	②	23-5/8 in	600	14/2	3.46	1	00304007

MQK-72

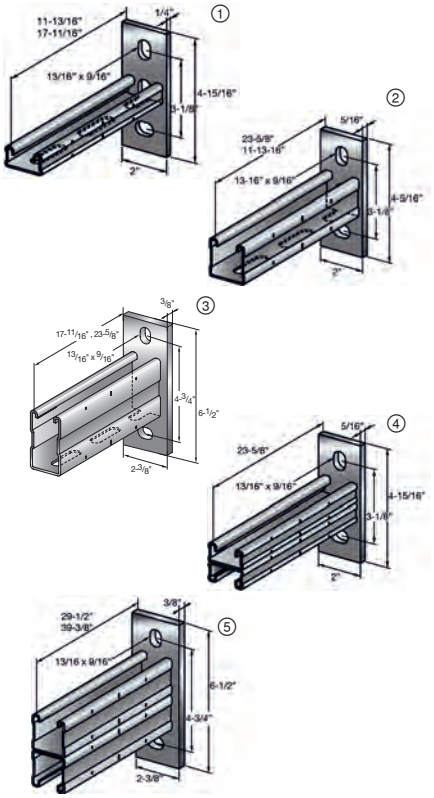
Description		Strut Length (in)	Strut Length (mm)	Strut Section (ga/mm)	Weight per piece (lb)	Qty	Item No. Single piece
MQK-72/600	③	23-5/8 in	600	12/2.75	6.90	1	00369616

MQK-21D (Double)

Description		Strut Length (in)	Strut Length (mm)	Strut Section (ga/mm)	Weight per piece (lb)	Qty	Item No. Single piece
MQK-21D/600	④	23-5/8 in	600	14/2	4.83	1	00369619

MQK-41D (Double)

Description		Strut Length (in)	Strut Length (mm)	Strut Section (ga/mm)	Weight per piece (lb)	Qty	Item No. Single piece
MQK-41D/1000-F HDG	⑤	39-3/8 in	1000	14/2	11.20	1	00304127
MQK-41D/750-R SS316 Ti	⑤	29-1/2 in	750	14/2	6.02	1	00304009



MQN Pushbutton

Features and Applications

- One-part fastener replaces a spring nut, bolt and washer for quick installation
- Removable and reusable
- Universal — one MQN Pushbutton fits all Hilti strut profiles

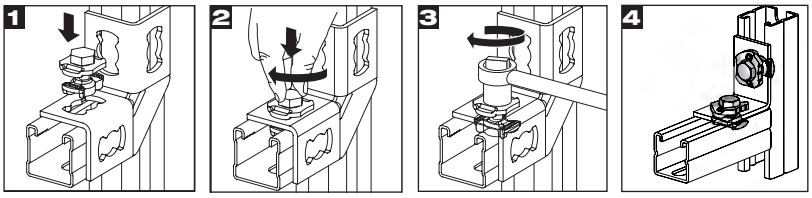
Technical Data	MQN
Materials	Carbon steel Stainless steel 316
Finishes	Electro-galvanized Hot-dipped galvanized

	Allowable Loads[2, 3]		Tightening Torque M_D (ft-lb)
	Tension (lb) Z_{rec}	Shear (lb)[1] Q_{rec}	
MQN	1800	1100	30
MQN-F	1800	400	30
MQN-R	1800	1100	30

1 Shear loading applies to a single fastening using Hilti serrated strut. The value for MQN double fastening is 1.8 x single button. Contact Hilti for loading information when using Hilti Pushbuttons in non-serrated strut profiles
2 Based on a safety factor of 2.2.
3 Based on use in 12 gauge strut

Description	Weight/Piece (lb)	Qty	Item No.
MQN	0.145	50	00369623
MQN-F (HDG)	0.185	50	00387779
MQN-R (SS316)	0.170	25	00304012

Use the Hilti Pushbutton system of fasteners and connectors to replace spring nuts, bolts and washers for massive time savings



Put in position | Press and turn | Tighten using 11/16" socket | Installation complete

Total Installed Cost Savings

Case Study #2438* Project Manager

$6000 project labor savings using the one–piece Hiliti Pushbutton over the traditional method using spring nuts, bolts and washers.

*For complete details, contact Hilti. Actual results may vary.

Hilti Innovation

Your total installed cost savings are maximized by reducing installation time using Hilti's innovative products and solutions.

Traditional Practices

While material purchased in bulk may save on up front costs, labor intensive fabrication, welding, grinding, and painting greatly increases the total cost of installation.

Hilti. Outperform. Outlast.

MQM Wing Nut

Features and Applications

- A productive alternative to spring nuts
- Fast, easy installation in all strut profiles
- Eliminates stocking of spring nuts for each depth of strut

Description	Connection Thread	Weight/Piece (lb)	Qty	Item No.
MQM-F 1/4"	1/4"	0.077	50	00377881
MQM-F 1/4"-R (SS316)	1/4"	0.060	25	00304018
MQM-F 3/8"	3/8"	0.075	50	00377882
MQM-F 3/8"-F (HDG)	3/8"	0.080	25	00304136
MQM-F 3/8"-R (SS316)	3/8"	0.050	25	00304019
MQM-F 1/2"	1/2"	0.073	50	00377883
MQM-F 1/2"-F (HDG)	1/2"	0.080	25	00304137
MQM-F 1/2"-R (SS316)	1/2"	0.050	25	00304020

Technical Data	MQM
Materials	Carbon steel Stainless steel 316
Finishes	Electro-galvanized Hot-dipped galvanized

	Allowable Loads[2, 3]		Tightening Torque M_D (ft-lb)
	Tension (lb) Z_{rec}	Shear (lb) [1] Q_{rec}	
MQM-F 1/4"	755	415	7
MQM-F 3/8"	1800	1125	15
MQM-F 1/2"	1800	1125	30
MQM-F 3/8"-F	1800	400	15
MQM-F 1/2"-F	1800	400	30
MQM-F 1/4"-R	755	415	7
MQM-F 3/8"-R	1800	1125	15
MQM-F 1/2"-R	1800	1125	30

1 Shear loading applies to a single fastening using Hilti serrated strut. Contact Hilti for loading data when using Hilti MQM-F fasteners in non-serated strut profiles.
2 Based on a safety factor of 2.2.
3 Based on use in 12 gauge strut

MQA Saddle Nut

Features and Applications

- A single part replacing spring nuts and base plates
- For all strut profiles

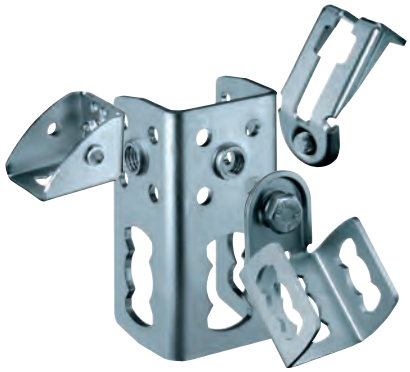
Description	Connection Thread	Weight/Piece (lb)	Qty	Item No.
MQA-F 1/4"	1/4"	0.194	50	00377884
MQA-F 1/4"-R (SS316)	1/4"	0.190	25	00401397
MQA-F 3/8"	3/8"	0.192	50	00377885
MQA-F 3/8"-F (HDG)	3/8"	0.192	25	00304143
MQA-F 3/8"-R (SS316)	3/8"	0.180	25	00401398
MQA-F 1/2"	1/2"	0.183	50	00377886
MQA-F 1/2"-F (HDG)	1/2"	0.183	25	00304144
MQA-F 1/2"-R (SS316)	1/2"	0.160	25	00401399
MQA-F 5/8"	5/8"	0.185	50	00377887
MQA-F 5/8"-F (HDG)	5/8"	0.185	25	00304145
MQA-F 5/8"-R (SS316)	5/8"	0.170	25	00401400

Technical Data	MQA
Materials	Carbon steel Stainless steel 316
Finishes	Electro-galvanized Hot-dipped galvanized

	Allowable Loads	Tightening Torque M_D (ft-lb)
	Tension (lb) [1] Z_{rec}	
MQA-F 1/4"	490	7
MQA-F 3/8"	1800	15
MQA-F 1/2"	1800	30
MQA-F 5/8"	2100	30
MQA-F 3/8"-F	1800	15
MQA-F 1/2"-F	1800	30
MQA-F 5/8"-F	2100	30
MQA-F 1/4"-R	490	7
MQA-F 3/8"-R	1800	15
MQA-F 1/2"-R	1800	30
MQA-F 5/8"-R	2100	30

1 Based on a safety factor or 2.2 when used with Hilti 12 gauge serrated strut profile

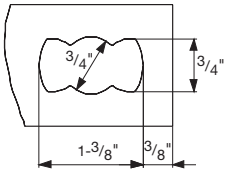
MQ3D 3D System



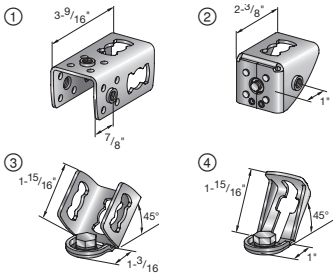
Features and Applications

- Universal — few parts for all applications
- Quick and easy to use
- 45° angle and bracing with predetermined bending point
- For on-site installation of angles or connectors

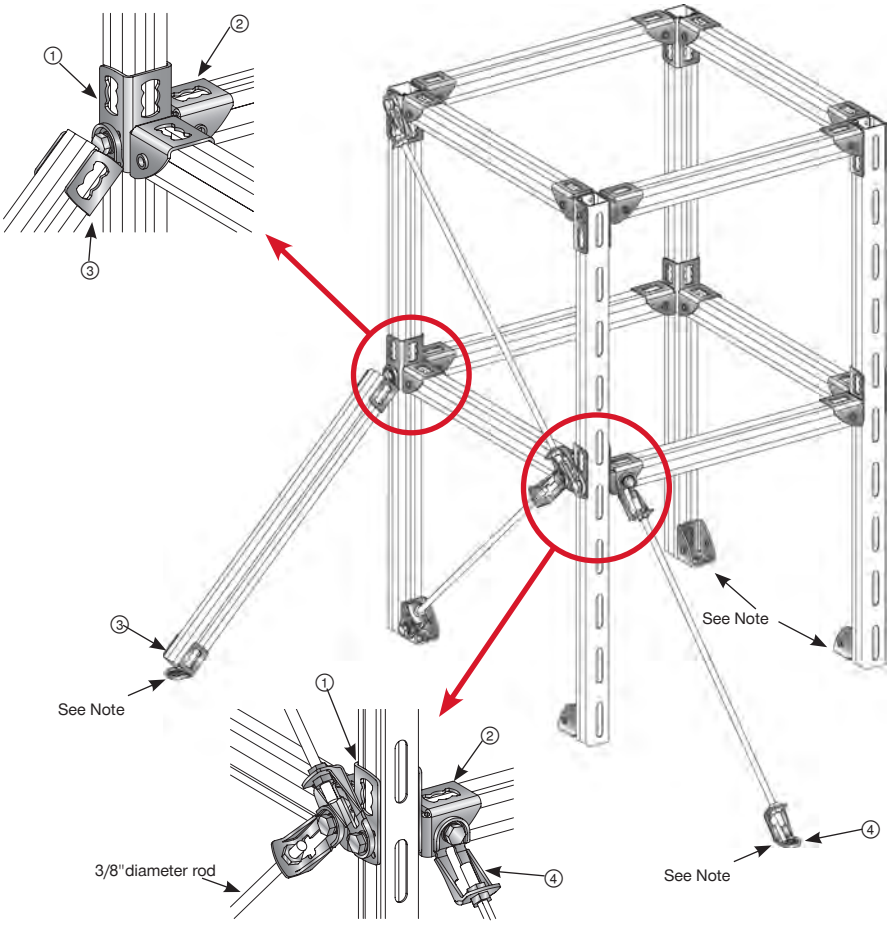
Technical Data	MQ3D
Material	Carbon steel
Material thickness	1/8" (3 mm)
Finish	Electro-galvanized
Tightening torque	30 ft-lb (40 Nm)



Description		Weight/Piece (lb)	Qty	Item No.
MQ3D-B 3D Base Connector	①	0.454	20	00369694
MQ3D-W90° 3D 90° Connector	②	0.467	20	00369695
MQ3D-W45° 3D 45° Connector	③	0.337	16	00369696
MQ3D-A 3D Threaded Rod Brace	④	0.209	20	00369697



Example of Application



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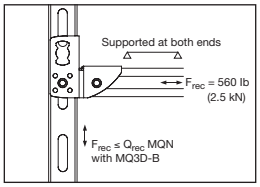

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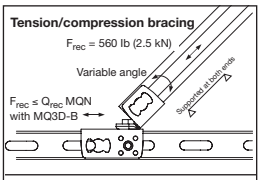

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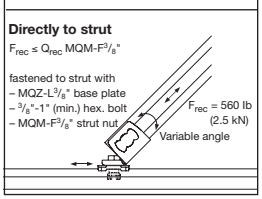

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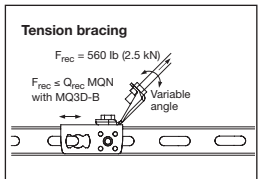

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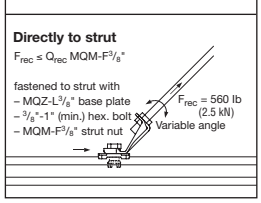


Note: Pre-assembled bolts may be removed and replaced with an anchor or longer 3/8 bolt when mounting to surface other than the 3D Base Connector. All recommended loads are based on a safety factor of 2.2.

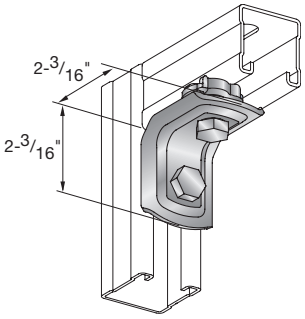
MQW-Q2
Pre-Assembled 90° Angle

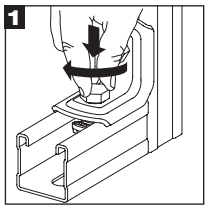
Features and Applications

- Fast and easy installation helps complete jobs more quickly
- Single item 90° connection means no lost parts
- Helps reduce inventory costs
- Fits all Hilti Strut
- Featuring Hilti Pushbutton technology

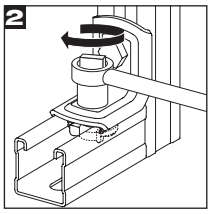
Technical Data	MQW-Q2
Material	Carbon steel
Finish	Electro-galvanized
Tightening torque	30 ft-lb
Material thickness	1/8"
Width across flats	11/16"

Description	Weight/Piece (lb)	Qty	Item No.
MQW-Q2 90° Angle	0.441	20	00369655





Press and turn.



Tighten using 11/16" socket.

MQK Angle brace

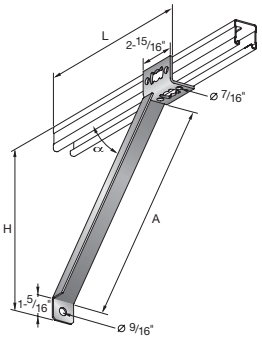
Features and Applications

- Easy customized, stand-alone construction
- Two-hole angle base for MQN pushbutton
- Channel assembly in two positions possible
- Construction of wall brackets

Technical Data	MQK
Materials	Carbon steel Stainless Steel 316
Finish	Electro-galvanized Hot-dipped galvanized
Material width	1-9/16" (40 mm)
Material thickness	5/32" or 1/8" (4 or 3 mm)

MQK-Angle Brace

Description	A (in/mm)	H (in/mm)	L (in/mm)	α	Qty	Item No.
MQK-SK (short brace)	14/355	13 / 328	12-13/16 / 324	45°	10	00369622
MQK-SL (long brace)	25/635	20-7/8 / 528	20-1/2 / 524	45°	10	00369621
MQK-SL-R (SS316 - long brace)	25/635	20-7/8 / 528	20-1/2 / 524	45°	10	00304010



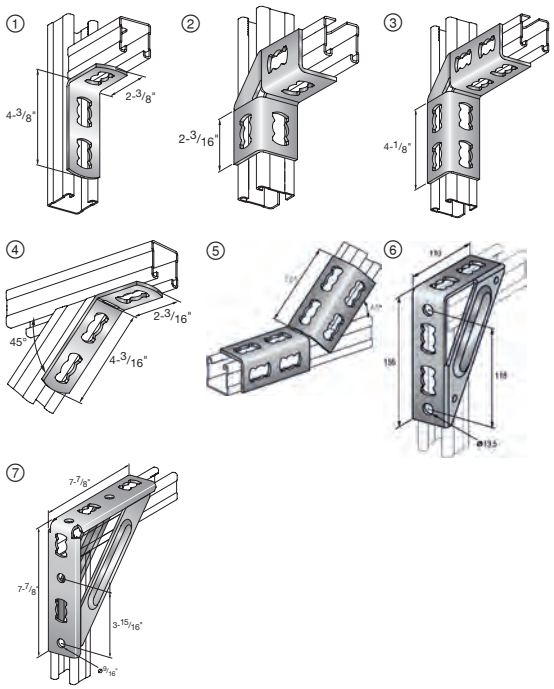
MQW Angle

Features and Applications

- Fast and easy installation helps complete jobs more quickly
- Single item 90° connection means no lost parts
- Helps reduce inventory costs
- Fits all Hilti Strut
- Featuring Hilti Pushbutton technology

Technical Data	MQW
Materials	Carbon steel Stainless Steel 316
Material thickness	5/32" (4 mm)
Finish	Electro-galvanized Hot-dipped galvanized

Description		Weight/Piece (lb)	Qty	Item No.
MQW-3 Three Hole 90°	①	0.353	20	00369656
MQW-3-F Three Hole 90° (HDG)	①	0.353	20	00304172
MQW-3-R Three Hole 90° (SS316)	①	0.353	10	00304052
MQW-4 Four Hole 90°	②	0.485	10	00369658
MQW-8/90° Eight Hole 90°	③	0.926	10	00369659
MQW-8/90°-F Eight Hole 90° (HDG)	③	0.926	10	00304175
MQW-8/90°-R Eight Hole 90° (SS316)	③	0.926	10	00304055
MQW-3/45° Three Hole 45°	④	0.342	20	00369657
MQW-3/45°-R Three Hole 45°(SS316)	④	0.342	10	00304053
MQW-8/45° Eight Hole 45°	⑤	0.904	10	00369660
MQW-S/1 Single Brace Angle Bracket	⑥	1.014	10	00369664
MQW-S/2 Double Brace Angle Bracket	⑦	2.602	10	00369665



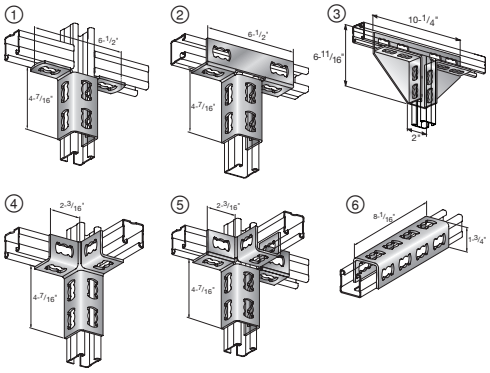
MQV In-Line Channel Connector

Features and Applications

- Fast and easy installation helps complete jobs more quickly
- Helps reduce inventory costs
- Fits all Hilti Strut
- Featuring Hilti Pushbutton technology

Technical Data	MQV
Materials	Carbon steel Stainless Steel 316
Material thickness	5/32" (4 mm)
Finishes	Electro-galvanized Hot-dipped galvanized

Description		Weight/Piece (lb)	Qty	Item No.
MQV-2/2D	①	0.966	10	00369638
MQV-2/2D-R (SS316)	①	0.970	10	00304032
MQV-3/2D	②	1.356	10	00369640
MQV-3/2D-F (HDG)	②	1.327	10	00304152
MQV-3/2D X	③	3.245	10	00339590
MQV-3/3D	④	0.994	10	00369641
MQV-4/3D	⑤	1.698	10	00369642
MQV-12	⑥	1.224	10	00369643
MQV-12-F (HDG)	⑥	1.285	10	00304155
MQV-12-R (SS316)	⑥	1.224	10	00304037



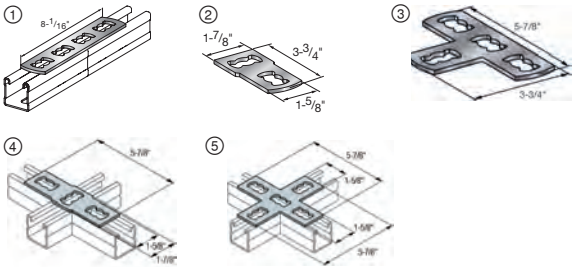
MQV Flat Connector

Features and Applications

- Channel to strut connection on the same level

Technical Data	MQV
Materials	Carbon steel
Material thickness	5/32" (4 mm)
Finishes	Electro-galvanized Hot-dipped galvanized

Description		Weight/Piece (lb)	Qty	Item No.
MQV-P4 Four Hole	①	0.415	10	00369644
MQV-P4-F Four Hole (HDG)	①	0.415	10	00304156
MQV-P2 Two Hole Tee	②	0.220	10	00370630
MQV-T Four Hole Tee	③	0.432	10	00369645
MQV-P3 Three Hole Cross	④	0.309	10	00370629
MQV-P5 Five Hole Cross	⑤	0.309	10	00370631



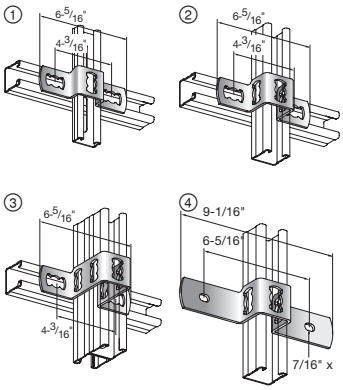
MQB Clamp

Features and Applications

- Various clamp sizes
- Suitable for all the different strut profiles

Technical Data	MQB
Materials	Carbon steel Stainless Steel 316
Material thickness	5/32" (4 mm)
Finishes	Electro-galvanized

Description		Weight/Piece (lb)	Strut Profile	Qty	Item No.
MQB-21	①	0.465	13/16"	10	00369666
MQB-41	②	0.536	1-5/8"	10	00369668
MQB-41-R (SS316)	②	0.529	1-5/8"	10	00304061
MQB-82	③	0.750	1-5/8" Back-to-Back	10	00369671
MQB-82-R (SS316)	②	0.750	1-5/8" Back-to-Back	10	00304063
MQB-G41	④	0.807	1-5/8"	10	00369674
MQB-G41-F (HDG)	④	0.807	1-5/8"	10	00304189



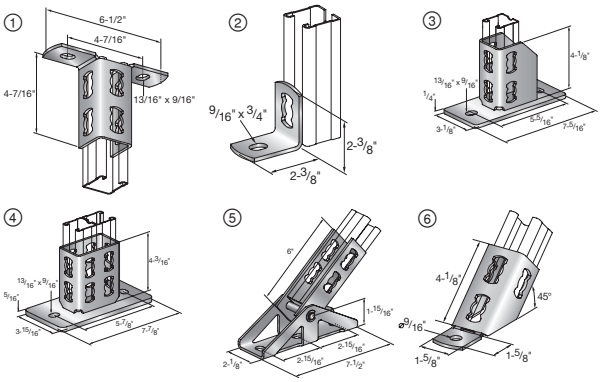
MQP Strut Bases

Features and Applications

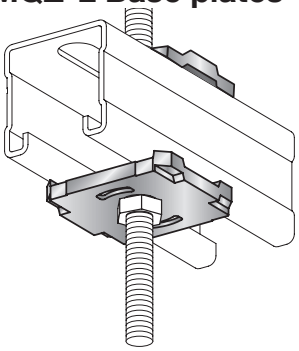
- Attachments to walls, ceilings, floors
- High application flexibility
- Reliable and easy to use

Technical Data	MQP
Materials	Carbon steel Stainless Steel 316
Material thickness	5/32" (4 mm)
Finishes	Electro-galvanized Hot-dipped galvanized

Description		Weight/Piece (lb)	Qty	Item No.
MQV-2/2D-14 Wall and Ceiling	①	0.966	10	00369639
MQV-2/2D-14-F Wall and Ceiling (HDG)	①	0.994	10	00304151
MQV-2/2D-14-R Wall and Ceiling (SS316)	①	0.970	10	00304033
MQP-1/1 Light Duty	②	0.243	20	00369646
MQP-1/1-F Light Duty (HDG)	②	0.243	20	00304161
MQP-21-72 Standard Duty	③	2.535	12	00369651
MQP-21-72-F Standard Duty (HDG)	③	2.535	12	00304165
MQP-21-72-R Standard Duty (SS316)	③	2.535	1	00304047
MQP-82 1-5/8" Back-to-Back	④	4.145	8	00369652
MQP-82-R 1-5/8" Back-to-Back (SS316)	④	4.145	1	00304048
MQP-G Pivot Base	⑤	2.326	10	00369654
MQP-45° Base	⑥	0.772	10	00369649
MQP-45°-F Base (HDG)	⑥	0.722	10	00304164



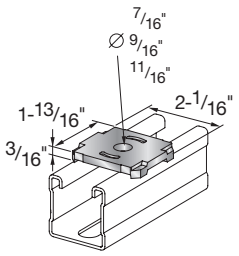
MQZ-L Base plates



Features and Applications

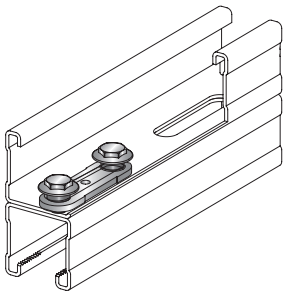
- Used as heavy plate washer for strut
- For wall, ceiling or floor attachment of strut, angles, connectors or brackets with Kwik Bolt 3, KB-TZ or HDI anchors
- For strut nut or spring nut applications with angles, connectors and brackets

Technical Data	MQZ-L
Material	Carbon steel Stainless steel 316
Finish	Electro-galvanized Hot-dipped galvanized



Description	For Thread	Weight/Piece (lb)	Qty	Item No.
MQZ-L 3/8	3/8	0.203	20	00370632
MQZ-L 3/8-F (HDG)	3/8	0.194	20	00304200
MQZ-L 3/8-R (SS316)	3/8	0.194	20	00304076
MQZ-L 1/2	1/2	0.185	20	00370633
MQZ-L 1/2-F (HDG)	1/2	0.185	20	00304201
MQZ-L 1/2-R (SS316)	1/2	0.185	20	00304077
MQZ-L 5/8	5/8	0.176	20	00370634

MQZ-SS Strut Tie



Features and Applications

- Build back-to-back strut in the field using standard Hilti strut
- No welding, tapping or screws required

Technical Data	MQZ-SS
Material	Carbon steel
Finish	Electro-galvanized
Rec. tensile load[1] Z_{rec}	675 lb (3.0 kN)
Rec. shear load[1] Q_{rec}	1125 lb (5.0 kN)
Tightening torque, M_D	15 ft-lb (20 Nm)

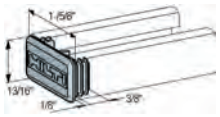
1 Rec. loads based on a safety factor of 2.2

Description	Width Across Flats (mm)	Weight/ Piece (lb)	Qty	Item No.
MQZ-SS Locking Device For user-assembled B2B strut, use 13 mm socket to set	13 mm	0.006	40	00369691

MEK Strut End Cap

Features and Applications

- One size fits all strut profiles
- Gives a finished appearance while adding protection from sharp edges

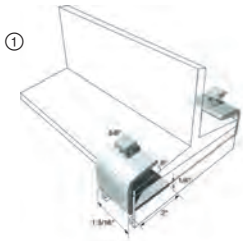


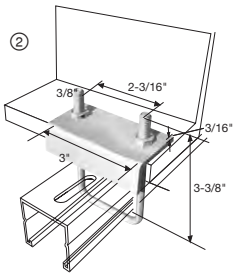
Description	Qty	Item No.- Red	Item No. - Gray
MEK - Strut End Cap	50	00244886	00313377

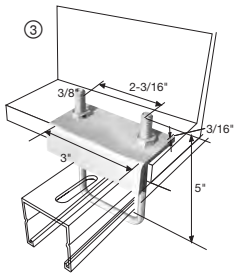
Strut Beam Clamps

Features and Applications

- For fastening strut to steel beams
- Always use strut beam clamps in pairs







Description		Qty	Item No.	Maximum Allowable Tensile Load (lb/pair)
BC-A Beam Clamp Assembly	①	25	00306570	1100[1]
SBC 1-5/8" Strut Beam Clamp	②	25	00258316	1200[1]
SBC 2-7/16" to 3-1/4" Strut Beam Clamp	③	25	00314330	1200[1]
MQT-21-41-F Beam Clamp (HDG) 1-3/16" to 1-5/8" strut depth		10	00304190	1340[2]
MQT-21-41-R Beam Clamp (SS316) 1-3/16" to 1-5/8" strut depth		10	00304067	1340[2]
MQT-52-82-R Beam Clamp (SS316) 1-5/8" to 3-1/4" strut depth		10	00304068	2000[2]

1 Based on safety factor of 3
2 Based on safety factor of 2.2

Channel and Spring Nuts

Channel Nut

Features and Applications

- Zinc-plated
- Spring nuts are designed for use with 1-5/8" strut

Spring Nut

Description	Qty	Item No.- Spring Nut	Item No. - Channel Nut
Channel/Spring Nut 1/4"	100	00258246	-
Channel/Spring Nut 3/8"	100	00258247	00311937
Channel/Spring Nut 1/2"	100	00258248	00311938
Channel/Spring Nut 5/8"	100	-	00311939
Channel/Spring Nut 3/4"	100	-	00311940

Thinking big led us to improve every small step.

Applications like hanging pipe and conduit have traditionally been overlooked as targets for innovation. Conventional wisdom might say that a clamp is just a clamp, a nut is just a nut — but we disagree.

At Hilti, our commitment to innovation extends to every corner of the jobsite. When we set about developing ways to help drive productivity, we found some of the biggest opportunities in the smallest of steps.

We observed trade professionals across North America as they performed each and every installation task. From opening packaging, assembling clamps, installing and adjusting pipe and conduit, to cleaning up at the end of the job, our engineers analyzed every move and discovered big time-eaters along the way. In short, there are too many parts, too many steps, and, when you add it all up, a lot of lost productivity.

Our design goal became clear: Eliminate as many unnecessary steps and tasks as possible. We have streamlined everything about the installation process, from the number of parts, to the way they are assembled, to the number of steps needed to install and adjust. Every feature was re-designed with your productivity in mind, and we think you'll appreciate the massive time- and cost-savings — up to 50%.

Because time is an expensive thing to waste.

Hilti. Outperform. Outlast.

Hilti, Inc. (U.S.) 1-800-879-8000 **www.us.hilti.com** • en español 1-800-879-5000
Hilti (Canada) Corp. 1-800-363-4458 **www.hilti.ca**

SLC-EG Speed Lock Clevis Hanger

NEW!

Features and Applications

- Unique Speed Lock technology eliminates hanger disassembly
- One piece — no lost or dropped nuts and bolts
- Simple one person installation
- FM approved and UL, cUL listed
- Stainless-steel spring on locking device with long-term reliable performance

Technical Data	SLC-EG
Size range	2" to 8" pipe sizes
Material	Electro-galvanized carbon steel

Approvals
Factory Mutual (FM) 2" to 8"

Listings
Underwriters Laboratories — (UL–cUL) 2" to 8"

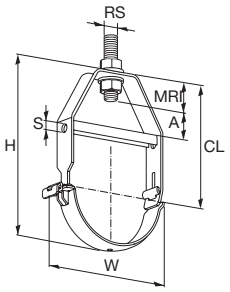
Conforms with
- Federal specifications WW-H-171E (Type 1)
- Manufacturers Standardization Society MSS-SP-58 (Type 1)

Installation
Install in accordance with MSS-SP-69

Description	Weight/ Piece (lb)	Pipe Size	H	W	CL	RS Rod Size	MRI Min. Rod Insertion	A	S	Single Item No.	Bulk Item No.	Qty	Max Allowable Load (lb)*
SLC-EG 2"	0.32	2"	5"	3-9/16"	3-5/8"	3/8"	9/16"	1-1/8"	5/16	02008782	03475949	50	610
SLC-EG 2-1/2"	2	2-1/2"	6"	4-5/8"	4-7/16"	1/2"	7/16"	1-3/16"	7/16"	02008783	03475950	50	1130
SLC-EG 3"	0.69	3"	6-7/8"	5-1/16"	4-13/16"	1/2"	3/4"	1-5/16"	7/16"	02008784	03475951	50	1130
SLC-EG 4"	1.06	4"	8-1/2"	6-1/8"	5-7/8"	5/8"	15/16"	1-5/8"	7/16"	02008785	03475952	20	1430
SLC-EG 5"	1.33	5"	9-3/4"	7-5/16"	6-9/16"	5/8"	15/16"	1-3/4"	9/16"	02008786	03475953	20	1430
SLC-EG 6"	2.80	6"	11-1/4"	8-15/16"	7-7/16"	3/4"	1-1/16"	1-13/16"	11/16"	02008787	03475954	10	1940
SLC-EG 8"	3.75	8"	13-13/16"	11-3/16"	8-15/16"	3/4"	1-3/16"	2-3/16"	11/16"	02008788	03475955	10	2000

Open Hanger

Close Hanger



* Maximum allowable loads based on the lower of:
1. Maximum safe load of the threaded hanger rod at rod temperature of 650° F per Manufacturer's Standardization Society Standard Practice 58
2. Allowable load for SLC-EG hanger with a safety factor of 3
3. Industry standard for clevis hangers

MH-SLIS Speed Lock Insulation Shield

NEW!

Features and Applications

- Tabs lock in to SLC hanger; won't fall even when hanger is opened
- Pre-galvanized

Technical Data	SLIS
Material Equivalent to	CS Type ASTM A653
Surface Finish	Pre-galvanized ASTM A653 (G60)

Description	Designation	Qty	Item No.
Speed Lock Insulation Shield 2"	MH-SLIS 2" PG	50	02008613
Speed Lock Insulation Shield 2-1/2"	MH-SLIS 2-1/2" PG	50	02008614
Speed Lock Insulation Shield 3"	MH-SLIS 3" PG	25	02008615
Speed Lock Insulation Shield 4"	MH-SLIS 4" PG	25	02008616
Speed Lock Insulation Shield 5"	MH-SLIS 5" PG	25	02008617
Speed Lock Insulation Shield 6"	MH-SLIS 6" PG	10	02008618
Speed Lock Insulation Shield 8"	MH-SLIS 8" PG	10	02008619

SDC Clevis Hangers

Features and Applications

- Standard-duty, electro-galvanized clevis hanger

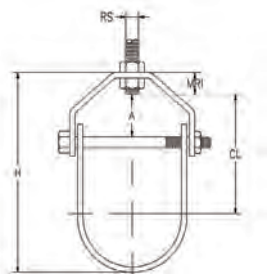
Technical Data	SDC-EG
Application	Use for the support of stationary, non-insulated pipe lines
Size range	3/4" to 14" pipe sizes
Material	Electro-galvanized carbon steel

Approvals
Factory Mutual (FM) 2-1/2" to 8"

Listings
Underwriters Laboratories (UL– cUL) 2-1/2" to 8" only

Conforms with
- Federal specification WW-H-171 (Type 1)
- Manufacturers Standardization Society MSS-SP-58 (Type 1)

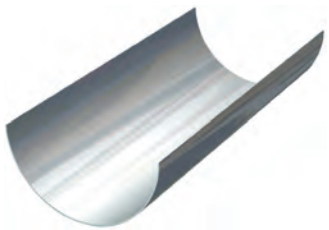
Installation
Install in accordance with MSS-SP-69



Description	Weight/ Piece (lb)	Pipe Size	RS	H	CL	MRI	A	Qty	Item No.	Max Allow. Load (lb)[1]
SDC-EG 3/4"	0.17	3/4"	3/8"	2-3/8"	1-3/16"	9/16"	1/4"	50	00333236	610
SDC-EG 1"	0.19	1"	3/8"	2-3/4"	1-1/2"	9/16"	5/16"	50	00333237	610
SDC-EG 1-1/4"	0.30	1-1/4"	3/8"	3-5/16"	1-13/16"	9/16"	1/2"	25	00424206	610
SDC-EG 1-1/2"	0.30	1-1/2"	3/8"	3-15/16"	2-3/8"	9/16"	7/8"	25	00333239	610
SDC-EG 2"	0.40	2"	3/8"	4-1/2"	2-11/16"	9/16"	15/16"	1	00425681	610
SDC-EG 2-1/2"	0.64	2-1/2"	1/2"	5-1/4"	3"	3/4"	3/4"	25	00333240	1130
SDC-EG 3"	0.72	3"	1/2"	6"	3-3/8"	3/4"	15/16"	1	00425682	1130
SDC-EG 4"	1.17	4"	5/8"	7-3/4"	4-7/16"	15/16"	1-3/8"	1	00425683	1430
SDC-EG 5"	2.17	5"	5/8"	9-3/4"	5-7/8"	15/16"	1-13/16"	1	00424209	1430
SDC-EG 6"	3.32	6"	3/4"	11-3/4"	7-3/16"	1-1/16"	2-5/16"	1	00306594	1940
SDC-EG 8"	4.90	8"	3/4"	14"	8-7/16"	1-1/16"	2-3/4"	1	00306595	2000
SDC-EG 10"	8.90	10"	7/8"	16-1/2"	9-9/16"	1-5/16"	2-5/16"	1	00424210	3600
SDC-EG 12"	12.00	12"	7/8"	18-5/8"	10-11/16"	1-5/16"	2-11/16"	1	00424211	3800
SDC-EG 14"	14.80	14"	1"	21-3/4"	13"	1-1/2"	4-3/16"	1	00424212	4200

1 Based on a safety factor of 3

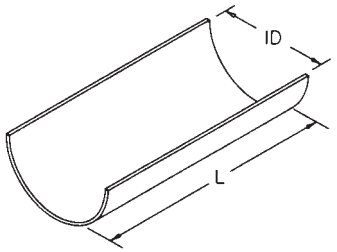
Insulation Shields



Features and Applications

- Full 180 degree pipe insulation protection
- Heavy 16/18 gauge rigid construction adds stability

Technical Data	Insulation Shields
Application	Shield for use with the standard-duty clevis hangers (SDC)
Material	Pre-galvanized carbon steel



Description	ID	Gauge	L	Weight per Piece (lb)	Qty	Item No.
Insulation Shield 2"	2-1/2"	18	12"	0.70	1	00424197
Insulation Shield 2-1/2"	3"	18	12"	0.84	1	00424198
Insulation Shield 3"	3-5/8"	18	12"	1.01	1	00424199
Insulation Shield 4"	4-5/8"	16	12"	1.28	1	00424200
Insulation Shield 5"	5-9/16"	16	12"	1.60	1	00424202
Insulation Shield 6"	6-5/8"	16	12"	1.90	1	00424203
Insulation Shield 8"	8-3/8"	16	12"	3.05	1	00424204

Loop Hangers

Features and Applications

- Supports sprinkler pipes, 1/2" through 8" diameters
- Pre-assembled insert nut on hanger

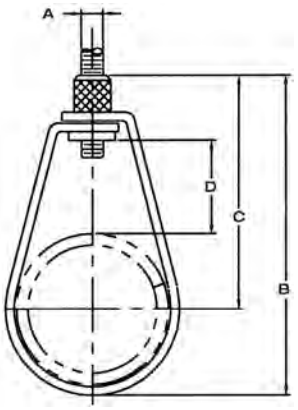
Technical Data	Loop Hangers
Application	Pipe support manufactured to use minimum rod sizes permitted by NFPA for fire sprinkler piping
Size range	1/2" to 8" pipe sizes
Material	Pre-galvanized carbon steel with zinc-electroplated insert nut

Approvals
Factory Mutual (FM) 3/4" to 8"

Listings
Underwriters Laboratories (UL–cUL)

Conforms with
- Federal Specification WW-H-171 (Type 10)
- Manufacturers Standardization Society ANSI/ MSS-SP-58 (Type 10)

Installation
Install in accordance with ANSI/MSS-SP-69



Description	Weight/ Box (lb)	Pipe Size	Rod Size A	B	C	D	Qty	Item No.	Max Allowable Load (lb)[1]
LH 1/2"	7	1/2"	3/8"	2-3/4"	2-5/16"	1-1/16"	100	00257353	300
LH 3/4"	7	3/4"	3/8"	3-1/16"	2-1/2"	1-1-16"	100	00257354	300
LH 1"	8.25	1"	3/8"	3-5/16"	2-5/8"	1-1/16"	100	00337820	300
LH 1-1/4"	10	1-1/4"	3/8	3-9/16"	2-11/16"	1"	100	00257356	300
LH 1-1/2"	10	1-1/2"	3/8"	3-13/16"	2-13/16"	1"	100	00257357	300
LH 2"	10	2"	3/8"	4-1/4"	3-1/16"	1"	100	00257358	300
LH 2-1/2"	30	2-1/2	3/8"	5-9/16„	3-15/16"	1-5/8"	100	00257359	525
LH 3"	16	3"	3/8"	6-9/16"	4-5/8	2"	50	00257360	525
LH 4"	16.5	4"	3/8"	7-9/16"	5-3/16"	2-1/16"	50	00257362	650
LH 6	5	6"	1/2"	11-5/16"	7-7/8"	3-7/16"	20	00257364	1000
LH 8"	22.5	8"	1/2"	12-7/8"	8-7/16"	3"	15	00257365	1000

1 Based on a safety factor of 3.5

MH-SLR-LH Speed Lock Riser Clamp — Long Hinged

NEW!

Features and Applications

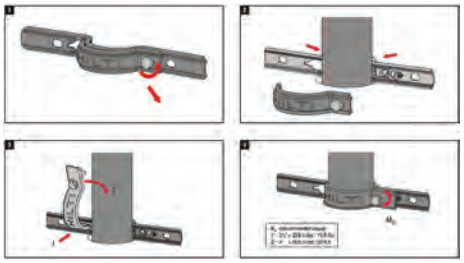
- Long design to span larger openings; single bolt threads directly into clamp
- Pre-galvanized
- Faster to install than traditional riser clamps; easy installation in tight spaces

Technical Data	MH-SLR-LH

Conforms with
- Federal specification WW-H-171 (Type 8)
- Manufacturers Standardization Society MSS-SP-58 (Type 8)

Installation
Install in accordance with ANSI/MSS-SP-69

Installation Instructions



Description	Designation	Qty	Item No.
Hinged Riser Clamp RC LH 1"	MH-SLR-LH 1" PG	25	02007545
Hinged Riser Clamp RC LH 1-1/4"	MH-SLR-LH 1-1/4" PG	25	02007546
Hinged Riser Clamp RC LH 1-1/2"	MH-SLR-LH 1-1/2" PG	25	02007547
Hinged Riser Clamp RC LH 2"	MH-SLR-LH 2" PG	1	02007548
Hinged Riser Clamp RC LH 2"	MH-SLR-LH 2” PG	25	03475936
Hinged Riser Clamp RC LH 2-1/2"	MH-SLR-LH 2-1/2" PG	1	02007549
Hinged Riser Clamp RC LH 2-1/2"	MH-SLR-LH 2-1/2” PG	25	03475937
Hinged Riser Clamp RC LH 3"	MH-SLR-LH 3" PG	1	02007550
Hinged Riser Clamp RC LH 3"	MH-SLR-LH 3” PG	25	03475938
Hinged Riser Clamp RC LH 4"	MH-SLR-LH 4" PG	1	02007551
Hinged Riser Clamp RC LH 4"	MH-SLR-LH 4” PG	20	03475939

MH-CSLR-LR Copper Speed Lock Riser Clamp — Long Hinged

NEW!

Features and Applications

- Long design to span larger openings; one bolt with no loose nut on backside
- Copper painted; sized to fit copper tubing and pipe.

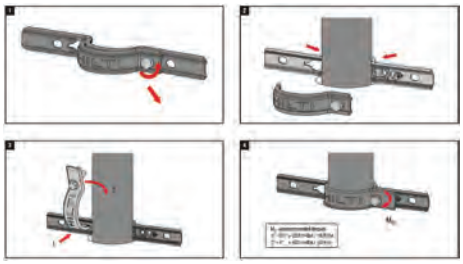
Technical Data	MH-CSLR-LR

Conforms with
- Federal specification WW-H-171 (Type 8)
- Manufacturers Standardization Society MSS-SP-58 (Type 8)

Installation
Install in accordance with ANSI/MSS-SP-69

Note: This pipe support is not designed for corrosion or electrolysis resistance. Copper painting is for identification purposes only

Installation Instructions



Description	Designation	Qty	Item No.
Riser Clamp RC S-Copper 1"	MH-CSLR-L 1" Copper	25	02007555
Riser Clamp RC S-Copper 1-1/4"	MH-CSLR-L 1-1/4" Copper	25	02007556
Riser Clamp RC S-Copper 1-1/2"	MH-CSLR-L 1-1/2" Copper	25	02007557
Riser Clamp RC S-Copper 2"	MH-CSLR-L 2" Copper	1	02007558
Riser Clamp RC S-Copper 2"	MH-CSLR-L 2” Copper	25	03475945
Riser Clamp RC S-Copper 2-1/2"	MH-CSLR-L 2-1/2" Copper	1	02007559
Riser Clamp RC S-Copper 2-1/2"	MH-CSLR-L 2-1/2” Copper	25	03475946
Riser Clamp RC S-Copper 3"	MH-CSLR-L 3" Copper	1	02007560
Riser Clamp RC S-Copper 3"	MH-CSLR-L 3” Copper	25	03475947
Riser Clamp RC S-Copper 4"	MH-CSLR-L 4” Copper	1	02007561
Riser Clamp RC S-Copper 4"	MH-CSLR-L 4” Copper	25	03475948

MH-SLR-S Speed Lock Riser Clamp — Short Hinged

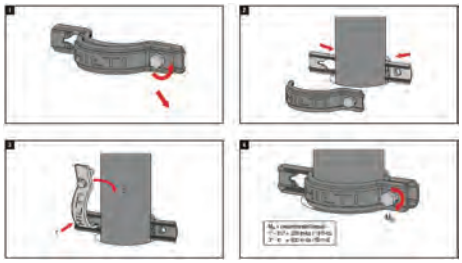
NEW!

Features and Applications

- Short design for tight spaces; single bolt threads directly into clamp
- Pre-galvanized
- Three parts means faster installation and fewer lost pieces

Technical Data	MH-SLR-S
Conforms with • Federal specification WW-H-171 (Type 8) • Manufacturers Standardization Society MSS-SP-58 (Type 8)	
Installation Install in accordance with ANSI/MSS-SP-69	

Installation Instructions



Description	Designation	Qty	Item No.
Hinged Riser Clamp RC H 1" Short	MH-SLR-S 1" PG	25	02007398
Hinged Riser Clamp RC H 1-1/4" Short	MH-SLR-S 1-1/4" PG	25	02007399
Hinged Riser Clamp RC H 1-1/2" Short	MH-SLR-S 1-1/2" PG	25	02007540
Hinged Riser Clamp RC H 2" Short	MH-SLR-S 2" PG	1	02007541
Hinged Riser Clamp RC H 2" Short	MH-SLR-S 2” PG	25	03475772
Hinged Riser Clamp RC H 2-1/2" Short	MH-SLR-S 2-1/2" PG	1	02007542
Hinged Riser Clamp RC H 2-1/2" Short	MH-SLR-S 2-1/2” PG	25	03475933
Hinged Riser Clamp RC H 3" Short	MH-SLR-S 3" PG	1	02007543
Hinged Riser Clamp RC H 3" Short	MH-SLR-S 3” PG	25	03475934
Hinged Riser Clamp RC H 4" Short	MH-SLR-S 4" PG	1	02007544
Hinged Riser Clamp RC H 4" Short	MH-SLR-S 4” PG	20	03475935

MH-SLR-LS Speed Lock Riser Clamp — Long Slotted

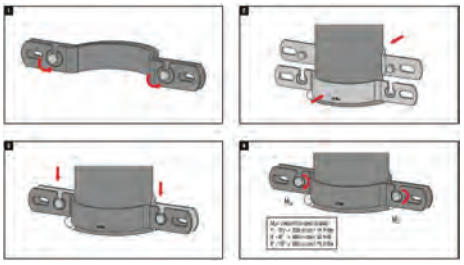
NEW!

Features and Applications

- Slotted design for easy installation; two pre-mounted bolts threads directly into clamp
- Electro galvanized
- Pre-punched slots allow for standoff applications

Technical Data	MH-SLR-LS
Conforms with • Federal specification WW-H-171 (Type 8) • Manufacturers Standardization Society MSS-SP-58 (Type 8)	
Installation Install in accordance with ANSI/MSS-SP-69	

Installation Instructions



Description	Designation	Qty	Item No.
Slotted Riser Clamp RC LS 3"	MH-SLR-LS 3" EG	1	02016765
Slotted Riser Clamp RC LS 3"	MH-SLR-LS 3” EG	25	03475940
Slotted Riser Clamp RC LS 4"	MH-SLR-LS 4" EG	1	02016766
Slotted Riser Clamp RC LS 4"	MH-SLR-LS 4” EG	20	03475941
Slotted Riser Clamp RC LS 6"	MH-SLR-LS 6" EG	1	02007552
Slotted Riser Clamp RC LS 6"	MH-SLR-LS 6” EG	10	03475942
Slotted Riser Clamp RC LS 8"	MH-SLR-LS 8" EG	1	02007553
Slotted Riser Clamp RC LS 8"	MH-SLR-LS 8” EG	5	03475943
Slotted Riser Clamp RC LS 10"	MH-SLR-LS 10" EG	1	02007554
Slotted Riser Clamp RC LS 10"	MH-SLR-LS 10” EG	5	03475944

Install at a whole new level of speed.

Save time by building up the fastest trapeze ever.

Ladder racks can be tricky and often require multiple time-consuming adjustments to achieve correct positioning. That's why we developed our Split Nut and Slotted Washer system. Upper layers of strut can now be installed in any order, without having to thread the nut up and down the ladder rod. The Split Nut can be opened and re-closed up to three times, which allows instant layer adjustments with no need for time-wasting threading.

Time savings: Up to 50% (when paired with Strut Clamps)

MH-SLT Split Nut and Slot Square Washer

NEW!

A

B

Features and Applications

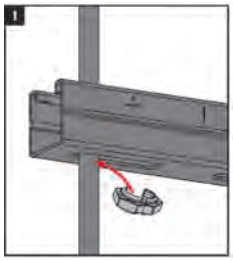
- Nut and washer can be installed at any position on the threaded rod, for quick and accurate trapeze building
- Electro-galvanized
- Use split nut only in conjunction with slotted washer and 1 5/8" wide strut

Technical Data	MH-SLT 3/8"	MH-SLT 1/2"
Material	Carbon Steel	Carbon Steel
Finish	Electro-galvanized	Electro-galvanized
Allowable Load (lbs)*	745	1350

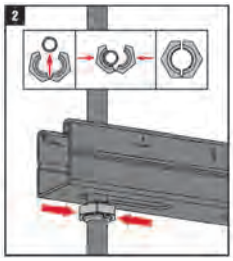
*Allowable load based on a safety factor of 3

Note: Split Nut (A) must always be used with Slotted Washer (B). Engage by tightening to specified torque.

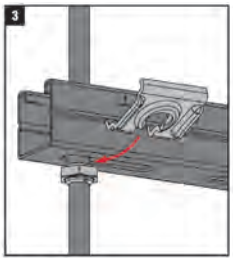
Description	Designation	Torque (M_D)	Qty	Item No.
3/8" Split Nut and Slot Square Washer	MH-SLT 3/8" EG	180 in-lb / 15 ft-lb	40	02008780
1/2" Split Nut and Slot Square Washer	MH-SLT 1/2" EG	265 in-lb / 22 ft-lb	40	02008781



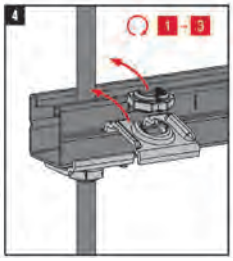
Place nut at any location on threaded rod.



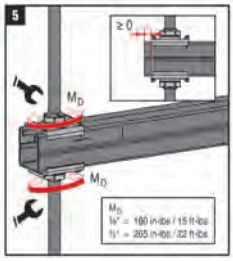
Squeeze nut onto rod



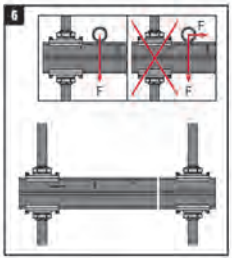
Insert slotted washer between nut and strut



Repeat steps 1-3 on top of strut



Tighten to specified torque value



MH-SLT is not intended for shear loading

MH-CB Strut Clamp — Copper

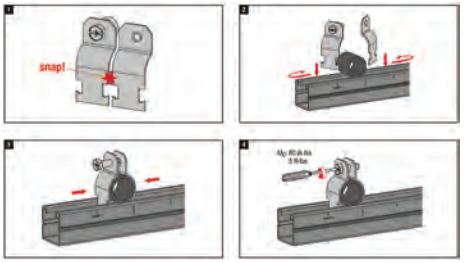
NEW!

Features and Applications

- Sized to fit copper tubing and pipes
- Copper painted

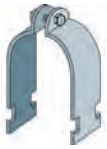
Description	Designation	Qty	Item No.
Strut Clamp SC-Copper 3/8"	MH-CB 3/8"	100	02008836
Strut Clamp SC-Copper 1/2"	MH-CB 1/2"	100	02008837
Strut Clamp SC-Copper 3/4"	MH-CB 3/4"	100	02008838
Strut Clamp SC-Copper 1"	MH-CB 1"	100	02008839
Strut Clamp SC-Copper 1-1/4"	MH-CB 1-1/4"	100	02008840
Strut Clamp SC-Copper 1-1/2"	MH-CB 1-1/2"	100	02008841
Strut Clamp SC-Copper 2"	MH-CB 2"	50	02008842
Strut Clamp SC-Copper 2-1/2"	MH-CB 2-1/2"	50	02008843
Strut Clamp SC-Copper 3"	MH-CB 3"	25	02008844
Strut Clamp SC-Copper 4"	MH-CB 4"	25	02008845

Installation Instructions



Note: This clamp is not designed for corrosion or electrolysis resistance. Copper painting is for identification purposes only.

Strut Clamp Rigid — Stainless Steel



Features and Applications

- For use with rigid stainless steel pipes
- One piece out of the box — simply break apart and install
- Innovative design requires no nuts for fast and easy assembly

Description	Qty	Item No.
Strut Clamp Rigid 1/2" (SS316)	50	00424215
Strut Clamp Rigid 3/4" (SS316)	50	00424216
Strut Clamp Rigid 1" (SS316)	50	00424217
Strut Clamp Rigid 1-1/4" (SS316)	25	00424218
Strut Clamp Rigid 1-1/2" (SS316)	25	00424219
Strut Clamp Rigid 2" (SS316)	25	00424220
Strut Clamp Rigid 2-1/2" (SS316)	10	00424221
Strut Clamp Rigid 3" (SS316)	10	00424222
Strut Clamp Rigid 4" (SS316)	10	00424223

MH-RBA Strut Clamp Rigid — Pre-galvanized

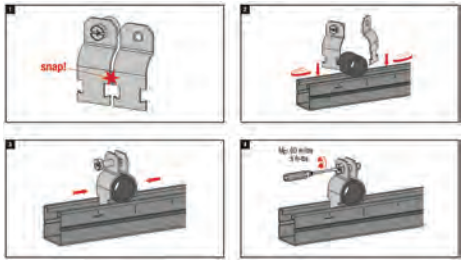
NEW!

Features and Applications

- One piece out of the box, simply break apart and install
- Innovative design requires no nuts for fast and easy assembly

Description	Designation	Qty	Item No.
Strut Clamp SC-Rigid 1/2"	MH-RBA 1/2" PG	100	02008800
Strut Clamp SC-Rigid 3/4"	MH-RBA 3/4" PG	100	02008801
Strut Clamp SC-Rigid 1"	MH-RBA 1" PG	100	02008802
Strut Clamp SC-Rigid 1-1/4"	MH-RBA 1-1/4" PG	50	02008803
Strut Clamp SC-Rigid 1-1/2"	MH-RBA 1-1/2" PG	50	02008804
Strut Clamp SC-Rigid 2"	MH-RBA 2" PG	50	02008805
Strut Clamp SC-Rigid 2-1/2"	MH-RBA 2-1/2" PG	25	02008806
Strut Clamp SC-Rigid 3"	MH-RBA 3" PG	25	02008807
Strut Clamp SC-Rigid 4"	MH-RBA 4" PG	25	02008808
Strut Clamp SC-Rigid 6"	MH-RBA 6" PG	10	02008809

Installation Instructions



MH-R45 Strut Clamp 45° Rigid

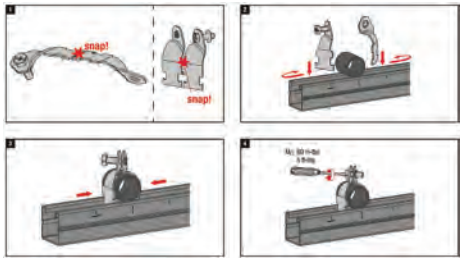
NEW!

Features and Applications

- Tightening screw at 45° angle for easy access
- Pre-galvanized
- One piece out of the box, simply break apart and install
- Innovative design requires no nuts for fast and easy assembly

Description	Designation	Qty	Item No.
Strut Clamp SC 45-Rigid 1/2"	MH-R45 1/2" PG	100	02008810
Strut Clamp SC 45-Rigid 3/4"	MH-R45 3/4" PG	100	02008811
Strut Clamp SC 45-Rigid 1"	MH-R45 1" PG	100	02008812
Strut Clamp SC 45-Rigid 1-1/4"	MH-R45 1-1/4" PG	50	02008813
Strut Clamp SC 45-Rigid 1-1/2"	MH-R45 1-1/2" PG	50	02008814
Strut Clamp SC 45-Rigid 2"	MH-R45 2" PG	50	02008815
Strut Clamp SC 45-Rigid 2-1/2"	MH-R45 2-1/2" PG	25	02008816
Strut Clamp SC 45-Rigid 3"	MH-R45 3" PG	25	02008817
Strut Clamp SC 45-Rigid 4"	MH-R45 4" PG	25	02008818
Strut Clamp SC 45-Rigid 6"	MH-R45 6" PG	10	02008819
Strut Clamp SC 45-Rigid 8"	MH-R45 8" PG	10	02008820

Installation Instructions



MH-EMT45 Strut Clamp 45° EMT

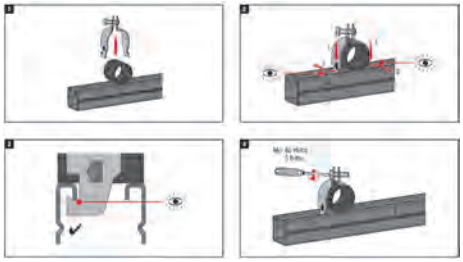
NEW!

Features and Applications

- Pre-assembled out of box; tightening screw at 45° angle for easy access
- Sized for electrical metallic tubing
- Pre-galvanized
- One piece out of the box, simply break apart and install.
- Innovative design requires no nuts for fast and easy assembly

Description	Designation	Qty	Item No.
Strut Clamp SC 45-EMT 1/2"	MH-EMT45 1/2" PG	100	02008821
Strut Clamp SC 45-EMT 3/4"	MH-EMT45 3/4" PG	100	02008822
Strut Clamp SC 45-EMT 1"	MH-EMT45 1" PG	100	02008823
Strut Clamp SC 45-EMT 1-1/4"	MH-EMT45 1-1/4" PG	50	02008824
Strut Clamp SC 45-EMT 1-1/2"	MH-EMT45 1-1/2" PG	50	02008825
Strut Clamp SC 45-EMT 2"	MH-EMT45 2" PG	50	02008826

Installation Instructions



MH-EMTV Strut Clamp EMT TOP Screw

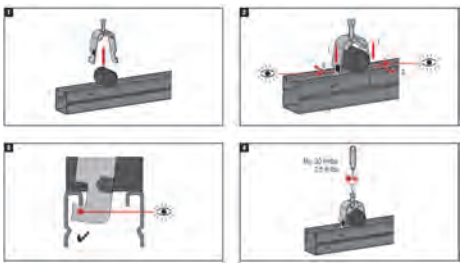
NEW!

Features and Applications

- Pre-assembled out of box
- Tightening screw on top for easy access
- Pre-galvanized

Description	Designation	Qty	Item No.
Strut Clamp SC TOP-EMT 1/2"	MH-EMTV 1/2" PG	100	02008827
Strut Clamp SC TOP-EMT 3/4"	MH-EMTV 3/4" PG	100	02008828
Strut Clamp SC TOP-EMT 1"	MH-EMTV 1" PG	100	02008829
Strut Clamp SC TOP-EMT 1-1/4"	MH-EMTV 1-1/4" PG	50	02008830
Strut Clamp SC TOP-EMT 1-1/2"	MH-EMTV 1-1/2" PG	50	02008831
Strut Clamp SC TOP-EMT 2"	MH-EMTV 2" PG	50	02008832
Strut Clamp SC TOP/EMT 2" FLEXCON	MH-EMTV 2" FLEX	25	02016764
Strut Clamp SC TOP/EMT 2-1/2"	MH-EMTV 2-1/2" PG	25	02008833
Strut Clamp SC TOP-EMT 3"	MH-EMTV 3" PG	25	02008834
Strut Clamp SC TOP-EMT 4"	MH-EMTV 4" PG	10	02008835

Installation Instructions



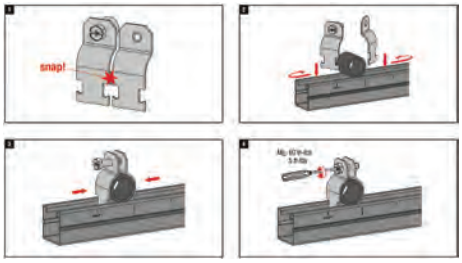
MH-UB Universal Break Apart Strut Clamp

Features and Applications

- Sized to fit both rigid pipes and EMT
- Pre-galvanized
- One piece out of the box, simply break apart and install.
- Innovative design requires no nuts for fast and easy assembly

Description	Designation	Qty	Item No.
Strut Clamp SC -UNI 1/2"	MH-UB 1/2" PG	100	02008846
Strut Clamp SC -UNI 3/4"	MH-UB 3/4" PG	100	02008847
Strut Clamp SC -UNI 1"	MH-UB 1" PG	50	02008848
Strut Clamp SC -UNI 1-1/4"	MH-UB 1-1/4" PG	50	02008849
Strut Clamp SC -UNI 1-1/2"	MH-UB 1-1/2" PG	50	02008850
Strut Clamp SC -UNI 2"	MH-UB 2" PG	50	02008851

Installation Instructions



Split Rings — Electro Galvanized

Features and Applications

- For suspending uninsulated stationary pipe
- Allows for piping runs close to ceilings or walls

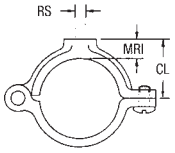
Technical Data	Electro-Galvanized
Material	Malleable iron body, carbon steel rivet and bolt

Conforms with
- Federal specification WW-H-171 (Type 25)
- Manufacturers Standardization Society MSS-SP-58 (Type 12)

Installation
Install in accordance with ANSI/MSS-SP-69

Description	Weight/ Piece (lb)	Pipe Size	Rod Size (RS)	Center Line (CL)	Min. Rod Insertion (MR)	Qty	Item No.	Maximum Allowable Load (lb)[1]
SR-EG 1/2"	0.18	1/2"	3/8"	16/16"	3/8"	100	00306630	180
SR-EG 3/4"	0.22	3/4"	3/8"	1-5/16"	3/8"	100	00306631	180
SR-EG 1"	0.23	1"	3/8"	1-1/16"	3/8"	100	00306632	180
SR-EG 1-1/2"	0.34	1-1/2"	3/8"	1-3/16"	3/8"	50	00306633	180
SR-EG 2"	0.37	2"	3/8"	1-7/16"	3/8"	50	00306634	180

1 Based on a safety factor of 3



Split Rings — Copper

Features and Applications

- For suspending uninsulated stationary copper tubing
- Allows for piping runs close to ceilings or walls

Technical Data	Copper
Material	Malleable iron body, carbon steel rivet and bolt with copper electroplate finish

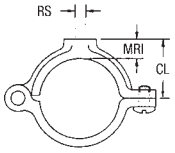
Conforms with
- Federal specification WW-H-171 (Type 25)
- Manufacturers Standardization Society MSS-SP-58 (Type 12)

Installation
Install in accordance with ANSI/MSS-SP-69

Note: This pipe support is not designed for corrosion or electrolysis resistance. Copper plating is for identification purposes only

Description	Weight/ Piece (lb)	Pipe Size	Rod Size (RS)	Center Line (CL)	Min. Rod Insertion (MR)	Qty	Item No.	Maximum Allowable Load (lb)[1]
Copper SR 1/2"	0.18	1/2"	3/8"	11/16"	3/8"	100	00306623	180
Copper SR 3/4"	0.22	3/4"	3/8"	13/16"	3/8"	100	00306624	180
Copper SR 1"	0.23	1"	3/8"	15/16"	3/8"	100	00306625	180
Copper SR 1-1/4"	0.25	1-1/4"	3/8"	1-1/16"	3/8"	100	00306626	180
Copper SR 1-1/2"	0.34	1-1/2"	3/8"	1-3/16"	3/8"	100	00306627	180
Copper SR 2"	0.37	2"	3/8"	1-7/16"	3/8"	50	00306628	180

1 Based on a safety factor of 3



BC Beam Clamp

Features and Applications

- To secure threaded rods to steel beams
- No drilling or welding necessary
- Each clamp is completely pre-assembled and suits all usual sizes of I-beams

Technical Data	BC
Application	Structural attachment with infinite adjustment to top or bottom of metal beams, purlins, channel or angle iron to support hanger rod
Size range	1/4" to 3/4" rod sizes
Material	ASTM A536 ductile iron casting with a hardened cup point set screw and locknut
Finish	Plain or electro-galvanized

Approvals
Factory Mutual (FM) 3/8" thru 1/2"

Listings
Underwriters Laboratories (UL– cUL) 3/8" thru 3/4"

Conforms with
- Federal specification WW-H-171 (Type 19)
- Manufacturers Standardization Society MSS-SP-58 (Type 19)

Installation
Install in accordance with ANSI/MSS-SP-69

Description	Min. Set-Screw Torque (ft-lb)[1]	Max. Set-Screw Torque (ft-lb)[1]	Rod Size	Max. Pipe Size	Box Qty	Item No.	Maximum Allowable Load (lb)[2] Top Flange	Maximum Allowable Load (lb)[2] Bottom Flange
BC 3/8"	5.0	7.5	3/8"	4"	100	00257366	500	250
BC 1/2"	5.0	7.5	1/2	8"	50	00257367	950	760
BC 5/8"	10.0	15.0	5/8"	8"	50	00257368	950	760
BC 3/4"	10.0	15.0	3/4"	8"	50	00257369	950	760
BC-EG 1/4"	3.5	5.0	1/4"	-	100	00258002	250	100
BC-EG 3/8"	5.0	7.5	3/8"	4"	100	00306600	500	250
BC-EG 1/2"	5.0	7.5	1/2"	8"	50	00306601	950	760

CAUTION! Correct torquing is essential for proper clamp performance
1 Set screw must be tightened onto the sloped side of the I-Beam, channel or angle iron flange. Required torque values for the set screw are as shown in the table
2 Based on a safety factor of 3

BC-WM Wide Mouth Beam Clamp

Features and Applications

- To secure threaded rods to steel beams
- No drilling or welding necessary
- Each clamp is completely pre-assembled and suits all usual sizes of I-beams
- Extra wide opening allows clamping to steel up to 1-1/4" thick

Technical Data	BC-WM
Application	Structural attachment with infinite adjustment to top or bottom of roll formed, large lipped metal beams, purlins, channel or angle iron which require a 1-1/4" maximum jaw opening
Size range	3/8" and 1/2" rod sizes
Material	ASTM A536 ductile iron casting with a hardened cup point set screw and locknut
Finish	Electro-galvanized

Approvals
Factory Mutual (FM)

Listings
Underwriters Laboratories (UL– cUL)

Conforms with
- Federal specification WW-H-171 (Type 19)
- Manufacturers Standardization Society MSS-SP-58 (Type 19)

Installation
Install in accordance with ANSI/MSS-SP-69

Description	Torque (ft-lb)[1]	Rod Size	Max. Pipe Size	Box Qty	Item No.	Maximum Allowable Load (lb)[2] Top Flange	Maximum Allowable Load (lb)[2] Bottom Flange
BC-WM 3/8"	5.0	3/8"	4"	50	00306602	500	250
BC-WM 1/2"	10.0	1/2"	8"	50	00306603	950	760

CAUTION! Correct torquing is essential for proper clamp performance
1 Note: In the absence of a torque wrench:
MINIMUM: The set-screw should be finger tightened to the I-Beam and then an additional one-third turn applied to the set-screw
MAXIMUM: The set-screw should be finger tightened to the I-Beam and then an additional one-half turn applied to the set-screw
2 Based on a safety factor of 3

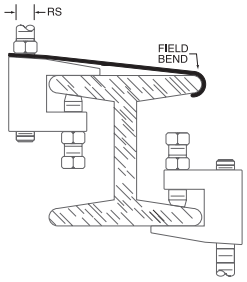
Note: Set screw must be tightened onto the sloped side of the I-Beam, channel or angle iron flange. Required torque values for the set screw are as shown in the table

Retainer Straps

Technical Data	Retainer Straps
Application	To be used when a retainer strap is specified for the BC and BC-WM beam clamps
Material	Pre-galvanized carbon steel

Note: Field bend and use jam nut over hanger to secure

Description	Length (in)	Qty	Item No.
3/8" Retainer Strap	12"	1	00424238

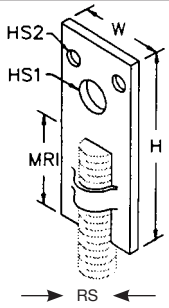


Eye Coupler

Features and Applications

- A structural attachment used to join hanger rod to a structure

Technical Data	Eye Coupler
Materials	Pre-galvanized carbon steel
Approval Factory Mutual (FM)	
Listing Underwriters Laboratories (UL–cUL)	



Description	Rod Size (RS)	H	HS1	HS2	Minimum Rod Insertion (MR)	W	Max Pipe Size	Qty	Item No.	Max Allowable Load (lb)*
Eye Coupler 3/8"	3/8"	2-1/4"	1/2"	1/4"	1-1/8"	1-1/8"	4"	250	00258317	250

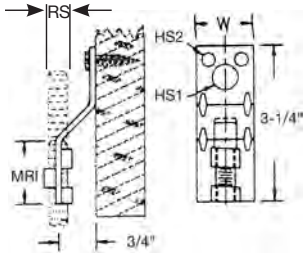
*Capacity of eye coupler loaded axially. Based on safety factor of 3.

Offset Eye Coupler

Features and Applications

- A structural attachment used to join hanger rod to a structure. Provides unlimited vertical rod adjustment

Technical Data	Offset Eye Coupler
Size range	3/8" rod size
Material	Pre-galvanized carbon steel
Approval Factory Mutual (FM)	
Listing Underwriters Laboratories (UL–cUL)	



Description	Rod Size (RS)	H	HS1	HS2	Rod Minimum Insertion (MR)	W	Max Pipe Size	Box Qty	Item No.	Max Allowable Load (lb)*
Offset Eye Coupler 3/8"	3/8"	3-1/8"	1/2"	1/4"	1-3/16"	1-1/8"	4"	250	00258318	250

*Capacity of offset eye coupler loaded axially. Based on safety factor of 3.

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Threaded Rod

Description	Weight per bundle (lb)	Qty (Bundle)	Item No.
Threaded Rod 1/4" x 6' (Zinc)	35.70	50	00257963
Threaded Rod 1/4" x 10' (Plain)	59.50	50	00309391
Threaded Rod 1/4" x 10' (Zinc)	59.50	50	00309386
Threaded Rod 3/8" x 6' (Plain)	42.60	25	00257969
Threaded Rod 3/8" x 6' (Zinc)	42.60	25	00257964
Threaded Rod 3/8" x 10' (Plain)	71.30	25	00309392
Threaded Rod 3/8" x 10' (Zinc)	71.30	25	00309387
Threaded Rod 3/8" x 12' (SS316)	34.01	10	00411742
Threaded Rod 1/2" x 6' (Zinc)	38.80	12	00257965
Threaded Rod 1/2" x 10' (Plain)	61.40	12	00309393
Threaded Rod 1/2" x 10' (Zinc)	61.40	12	00309388
Threaded Rod 5/8" x 6' (Zinc)	40.00	8	00257966
Threaded Rod 5/8" x 10' (Plain)	66.50	8	00309394
Threaded Rod 5/8" x 10' (Zinc)	66.50	8	00309389
Threaded Rod 3/4" x 6' (Zinc)	36.20	5	00257967
Threaded Rod 3/4" x 10' (Plain)	60.00	5	00309395
Threaded Rod 3/4" x 10' (Zinc)	60.00	5	00309390

Technical Data	Threaded Rod
Materials	Carbon Steel, Stainless Steel 316/ ASTM A276 Class 1
Finishes	Plain or zinc electroplated to ASTM B 633-98, SC 1 Type I

Carbon Steel

Rod Size	Ultimate Tensile Load (lb)[1]	Weight lb/ft
1/4"	1345	0.12
3/8"	3406	0.30
1/2"	6298	0.50
5/8"	10,078	0.84
3/4"	15,070	1.20

1 Based on MSS-SP 58

Stainless Steel 316/ASTM A276 Class

Rod Size	Ultimate Tensile Load (lb)[1]	Weight lb/ft
3/8"	3406	0.28

1 Based on MSS-SP 58

Rod Couplers

Description	Length	Width across flats	Qty	Item No.
1/4" Rod Coupler	7/8"	3/8"	100	00411746
3/8" Rod Coupler	1-1/8"	1/2"	50	00411747
1/2" Rod Coupler	1-1/4"	5/8"	500	00257985
5/8" Rod Coupler	2-1/8"	13/16"	300	00257986
3/4" Rod Coupler	2-1/4"	1"	200	00411750

Technical Data	Rod Couplers
Materials	ASTM A563, Grade A carbon steel; Stainless Steel 316
Finish	Zinc electroplated to ASTM B 633-98, SC 1, Type I
Thread	Class 2A fit; Class 2B thread

Hex Nuts

Description	Width Across Flats	Qty	Item No.
Hex Nut-Heavy 1/4"	1/2"	200	00411751
Hex Nut-Heavy 3/8"	11/16"	100	00411752
Hex Nut-Standard 3/8" (SS316)	9/16"	100	00411775
Hex Nut-Heavy 1/2"	7/8"	100	00411753
Hex Nut-Standard 1/2" (SS316)	3/4"	100	00411776
Hex Nut-5/8"	15/16"	250	00336402
Hex Nut-Standard 5/8" (SS316)	15/16"	50	00411777
Hex Nut-3/4"	1-1/8"	25	00411755
Hex Nut-Standard 3/4" (SS316)	1-1/8"	25	00411778

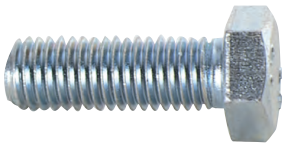
Technical Data	Hex Nuts
Materials	ASTM A 563 Grade A; Stainless Steel 316
Dimensions	ASME/ANSI B18.2.2 1986
Finish	ASTM B 633-98, SC 1 Type I
Thread	Class 2A fit; Class 2B thrd; ASME B1.1

Washers

Description	Inside Diameter	Outside Diameter	Qty	Item No.
Washer 1/4"	0.312	0.734	200	00411756
Washer 1/4" (SS316)	0.281	0.625	200	00411779
Washer 3/8"	0.438	1.000	200	00411757
Washer 3/8" (SS316)	0.406	0.875	200	00411780
Washer 1/2"	0.562	1.375	100	00411758
Washer 1/2" (SS316)	0.531	1.250	100	00411781
Washer 5/8"	0.656	1.312	100	00411759
Washer 5/8" (SS316)	0.656	1.312	100	00411782
Washer 3/4"	0.812	1.469	250	00336405
Washer 3/4" (SS316)	0.812	1.500	50	00411783
Fender Washer 1/4"	0.281	1.250	100	00411761
Fender Washer 1/4" (SS316)	0.281	1.250	100	00411784
Fender Washer 3/8"	0.406	1.500	1000	00313069
Fender Washer 3/8" (SS316)	0.406	1.500	100	00411785
Fender Washer 1/2"	0.531	2.000	1000	00313070
Fender Washer 1/2" (SS316)	0.531	2.000	100	00411787

Technical Data	Washers
Materials	AISI 1005 through 1035; Stainless Steel 316
Dimensions	ASME/ANSI B18.22.1 Type A - 1986
Finish	ASTM B 633-98, SC 1 Type I

Hex Head Bolts



Description	Qty	Item No.
Hex Head Bolt 3/8" x 1-1/4"	100	00411764
Hex Head Bolt 3/8" x 1-1/4" (SS316)	50	00411788
Hex Head Bolt 3/8" x 1-1/2"	100	00411765
Hex Head Bolt 3/8" x 1-1/2" (SS316)	50	00411789
Hex Head Bolt 1/2" x 1"	250	00311953
Hex Head Bolt 1/2" x 1" (SS316)	50	00411790
Hex Head Bolt 1/2" x 1-1/4"	50	00411767
Hex Head Bolt 1/2" x 1-1/4" (SS316)	50	00411791
Hex Head Bolt 1/2" x 1-1/2"	50	00411768
Hex Head Bolt 1/2" x 1-1/2" (SS316)	50	00411792

Technical Data	Hex Head Bolts
Materials	ASTM A 307; Stainless Steel 316
Dimensions	ASME/ANSI B18.2.1 1981
Finish	Zinc electroplated to ASTM B 633-98, SC 1, Type I
Thread	Class 2A fit; Class 2B thrd; ASME B1.1

9

Seismic Hinges

Description		Hanger Rod/ Bolt Diameter	Qty	Item No.
Seismic Hinge, Strut Half w/ Bolt and Nut	①	1/2"	10	00333309
Seismic Hinge, Base/ Hanger Half, 3/8"	②	3/8"	10	00369714
Seismic Hinge, Base/ Hanger Half, 1/2"	②	1/2"	10	00333308
Seismic Hinge, Base/ Hanger Half, 5/8"	②	5/8"	10	00369715
Seismic Hinge, Base/ Hanger Half, 3/4"	②	3/4"	10	00369716

Vertical Rod Stiffener

Description	Threaded Rod/ Bolt Diameter	Qty	Item No.
Vertical Rod Stiffener — Internal (rod in strut)	3/8"–5/8"	25	00311943

Cast-In Strut and Insert

Cast-In Strut ①

Description	Qty	Item No.
Cast In Strut 1 3/8" x 12 ga x 20'	10	03448648
Cast In Strut 13/16" x 12 ga x 20'	10	03448649

Concrete Insert ②

Description	Qty	Item No.
Concrete Insert EG	25	03442103

Square Nut for Insert

Description	Qty	Item No.
Insert Nut 1/4"	100	03448644
Insert Nut 3/8"	100	03448645
Insert Nut 1/2"	100	03448646
Insert Nut 5/8"	100	03448647

Note — All cast-in porducts are available on special order basis. Please contact Hilti for pricing and delivery. Not returnable.

HILTI

MI Industrial Support System

Industrial supports: Simple, flexible, strong.

Hilti. Outperform. Outlast.

MI Industrial Support System

Innovative

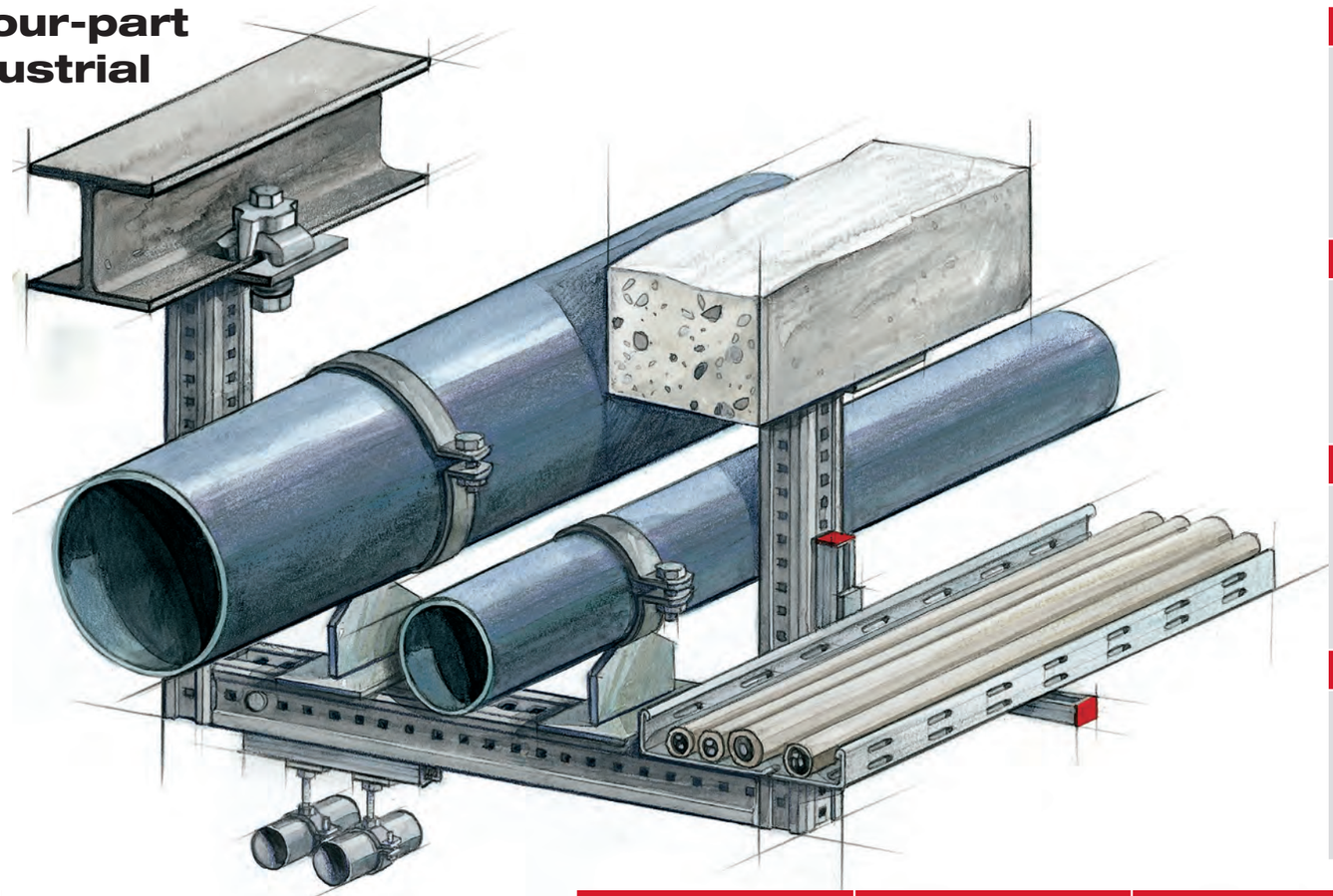
Because the Hilti MI system does not require welding, worker safety in flame and gas-sensitive areas is improved. In addition, the standardized, modular components bolt together quickly and easily and offer load values equal to or higher than similar welded systems.

The Hilti MI system is modular, so setting new layouts around permanent structures is easy. Likewise, existing Hilti MI systems are easily reconfigured to meet your changing needs. Once the new layout is determined, simply unbolt existing components; add, delete or relocate pieces as needed; bolt the new configuration together and apply load. It's that easy!

The modular nature of the Hilti MI Industrial Support System helps reduce planning and installation time. Because each piece is light-weight and reusable, there is no need for heavy equipment and nothing needs to be thrown away, adding to overall system efficiency and potential savings to your bottom line.

The flexibile, four-part system for industrial applications

The Hilti MI Industrial Support System is designed with strength, durability and flexibility in mind. This innovative, four-part support system includes: MI girders, girder to girder connectors, girder to steel connectors, and girder to concrete connectors.



Flexible

- Easy installation, reconfiguration and extension
- Easy "as built" tolerance compensation
- Integrates with Hilti's MQ Strut System

Efficient

- Only four part types
- Fast, easy onsite installation part by part, by just one or two workers
- No welding means no downtime in "hot" danger zones

Economical

- All parts are reusable
- Up to 50% lighter, no special lifting equipment required
- Hot-dipped galvanized, no need to paint

Safe

- State-of-the-art connection types
- Corrosion resistant
- Tested under dynamic loading conditions
- Torsion-resistant profile design

9

Pipes

Cable Trays

Duct Systems

Panel Box

Operating Rooms

Girders

MI-90 and MI-120 girder sizes for medium and heavy duty applications are resistant to horizontal and vertical bending stresses as well as torsion effects. Add the light-duty Hilti MQ System and you have all load classes covered!

Girder Connectors

Using spaces in the girders, MI connectors are adjustable by up to 2" on the first installation, and can be fine adjusted by 3/16". All connectors are packaged with fastening parts for convenience.

Steel Connectors

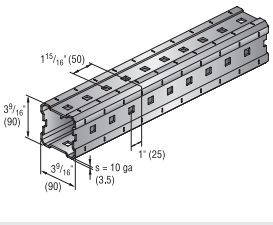
Connections to steel are made using reliable beam clamps. The base plates are designed to cover a large range of standard steel profiles up to 12". Girder clamping accommodates steel profiles >12".

Concrete Connectors

Concrete connector baseplates can be fastened using a variety of Hilti anchors for a secure hold. Choose from metal and chemical anchors according to loading and base material conditions.

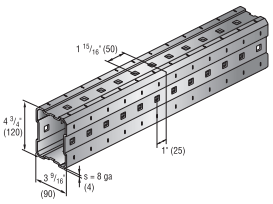
Hilti. Outperform. Outlast.

Girder



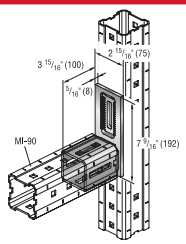
MI-90 3m	00304798
MI-90 6m	00304799

Girder



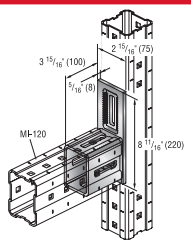
MI-120 3m	00304800
MI-120 6m	00304801

Connector



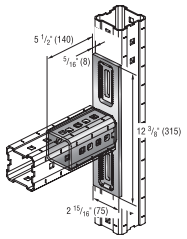
MIC-90-U	00304803

Connector



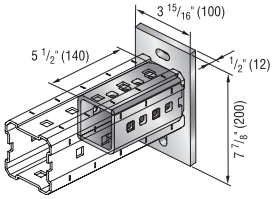
MIC-120-U	00304804

Connector

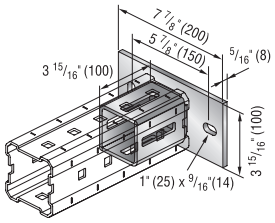


MIC-90-L	00304805

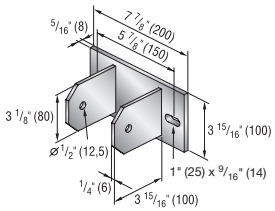
Bases for connecting to concrete



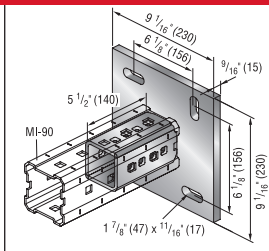
MIC-C90-AA	00304825



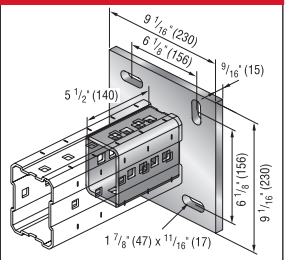
MIC-C90-U	00304826



MIC-CU-MA	00304828

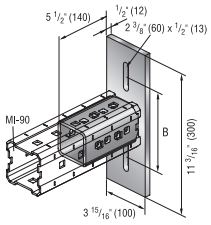


MIC-C90-D	00304827

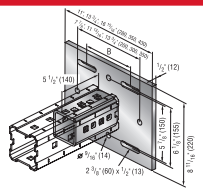


MIC-C120-D	00304829

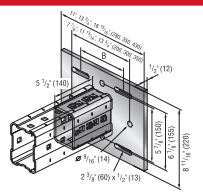
Bases for connecting to steel beams



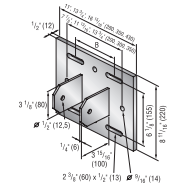
MIC-S90-AA	00304811



MIC-S90-A	00304812
MIC-S90-B	00304813
MIC-S90-C	00304814

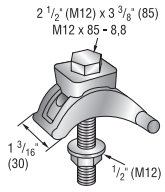


MIC-S120-A	00304818
MIC-S120-B	00304819
MIC-S120-C	00304820



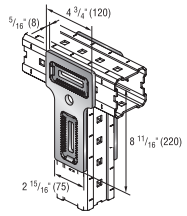
MIC-SA-MA	00304815
MIC-SB-MA	00304816
MIC-SC-MA	00304817

Beam Clamp

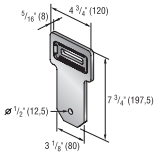


MI-SGC-M12	00233859

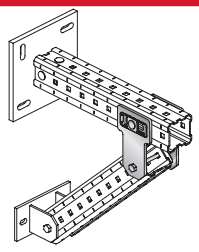
MI connectors/braces (application)



MIC-T	00304807

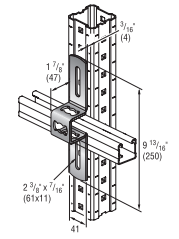


MIC-U-MA	00340806



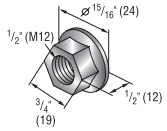
Cantilever brace

MI/MQ Connector



MIC-MI/MQ-X	00304881

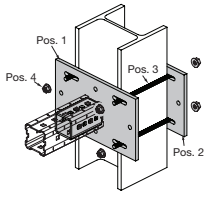
Accessory



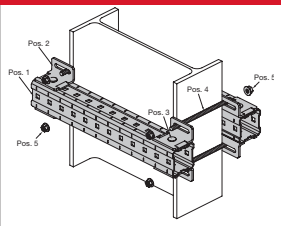
Self-Locking Collar Nut

M12-F Hex. Collar Nut	00382397

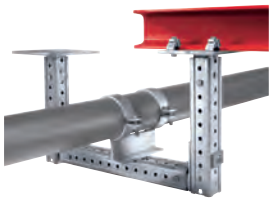
Application examples



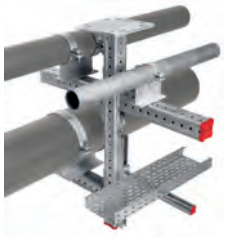
Connection to steel beam Flange width <12-1/2"



Connection to steel beam Flange width >12-1/2"



U-Frame

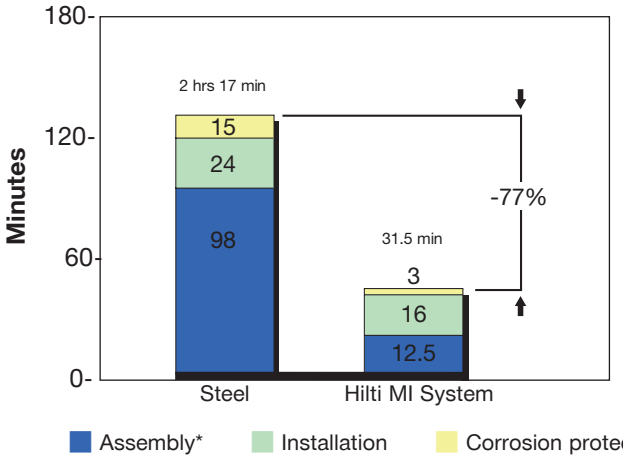


Loraine Cross

U-Bolt Fastening

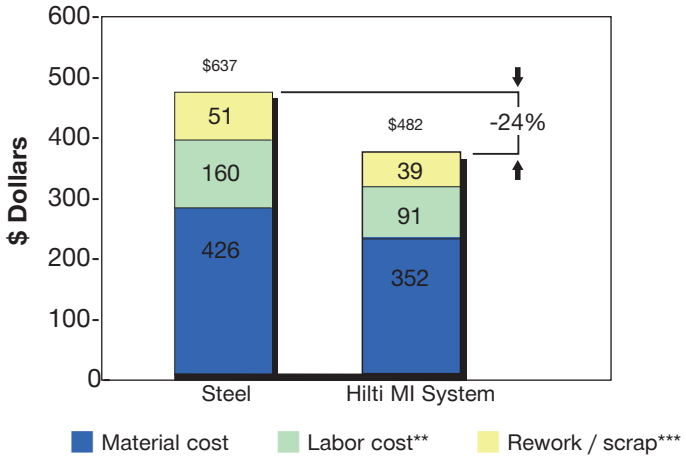
Case Study:
Hilti MI system saved 77% of working time and 24% of total costs compared to welded structures.

Total time
(Assembly and installation)



* Labor
Steel: 1 general, 1 welder
Hilti MI: 2 general

Total costs
(Pre-fabricated structure and installation)



** Basis labor wage: $20/h general; $50/h welder
*** Basis 12% scrapping costs (pre-fab. construction)

Comparison Data	Welded Steel	MI System	Difference
Weight of structure	212.9 lb	89.2 lb	-58%
Installation time (assembly and installation — 2 laborers)	137 min	31.5 min	-77%
Material costs	$2.00/lb	-	-
Material costs for the structure	$426	$352	-17%
Total costs (material + labor + scrap)	$637	$482	-24%
Labor time spent on entire project (includes anchoring)	4.6 hrs	1 hr	-78%

Coming spring 2012!

Hilti Product Technical Guide — Volume 3
Hilti Installation Systems

A product catalog and guide to specification and installation

Fire Protection Systems

Hilti. Outperform. Outlast.

Cast-In and Sleeve Devices

CP-653 Speed Sleeve 284
CFS-DID Drop-in Device 285
CP 680-P/M Cast-In Firestop Device 286
Water Barrier Module 286
Top Seal Plug 287
Height Extension Kits 287
Metal Deck Adapter Kits 288
CP 681 Tub Box Kits 288
Closet Stub 289
Shower and Floor Drain 289
Aerator Adapters 289

Sealants, Spray and Mortar

FS-ONE High Performance Intumescent Firestop Sealant 290
CFS-SP WB Firestop Joint Spray 291
CP 672 FC (Fast Cure) Speed Spray 292
CP 767 Speed Strips 292
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CP 601S Elastomeric Firestop Sealant 294
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CFP-S WB Fire Protection Steel Spray 302

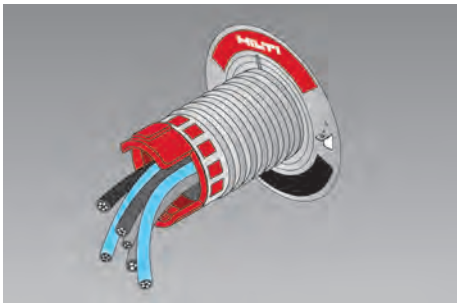
Smoke and Acoustic Products

CP 506 Smoke and Acoustic Sealant 303
CP 572 Smoke and Acoustic Spray 303

10

Hilti. Outperform. Outlast.

CP-653 Speed Sleeve



Features and Applications

- Fast installation
- Easy penetration and re-penetration
- Low L-ratings
- Withstands the rigors of usage and time
- Can be installed in wall and floor applications (up to 8" thick)
- Buy American compliant device

FIRESTOP DEVICE
FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS
SEE UL FIRE RESISTANCE DIRECTORY 5N76

FM APPROVED

①

②

Description		Qty	Item No.
CP-653 2" Speed Sleeve	①	1	02008603
CP-653 4" Speed Sleeve	②	1	02008604

Technical Data	CP-653	
	2" (50 mm)	4" (102 mm)
OD (device only)	2.3" (60 mm)	4.3" (110 mm)
OD (flange)	4.7" (120 mm)	6.7" (170 mm)
ID	1.7" (48 mm)	3.6" (92 mm)
Total length	12.4" (315 mm)	12.4" (315 mm)
Recommended Hole Size	2.5" (63 mm)	4.5" (114 mm)
Weight (device and flanges)	1.5 lbs	2.6 lbs
Density	Approx. 1.35 g/cm³	
Temperature resistance	22 to 212° F (-30 to 100° C)	
Intumescent activation	Approx. 320° F (160° C)	
Expansion ratio (unrestricted)	1:40	
Metal	Steel with zinc coating	
Plastic	ABS	
Fabric	Glass-fiber	

Approvals
- California State Fire Marshal - No. 4485-1200:138

Tested in accordance with
- ASTM E814
- CAN/ULC-S115
- UL 1479
- UL 2043

CP 653 Speed Sleeve installation instructions for gypsum

Step 1 — Create opening in drywall and remove any loose debris

Step 2 — Insert CP-653 Speed Sleeve and center lengthwise relative to wall

Step 3 — Apply smoke seal material (FS-ONE, CP 606 or CP-618 as per firestop detail)

Step 4 — Attach flange to secure the Speed Sleeve to the wall

Step 5 — To open Speed Sleeve, turn counterclockwise

Step 6a — Thread penetrant through Speed Sleeve opening

Step 6b — Penetrant in place. Speed Sleeve ready to close

Step 7a — To close Speed Sleeve, turn clockwise

Step 7b — Penetration sealed

Hilti. Outperform. Outlast.

CFS-DID Drop-In Device

Features and Applications

- One-step firestop solution for a variety of pipe materials and diameters
- Integrated moisture and smoke seal
- Simple, quick and error free installation
- Easily identifiable to building inspectors
- Solution for renovation/retrofit as well as new construction
- Buy American compliant

FIRESTOP DEVICE
FOR USE IN THROUGH-PENETRATION
FIRESTOP SYSTEMS

SEE UL FIRE RESISTANCE DIRECTORY
5N76

FM APPROVED

Technical Data	CFS-DID
Expansion temperature	~ 356° F (~ 180° C)
Expansion rate	1:15 load expansion, load = 5g/cm³ 1:40 free expansion
Temperature resistance	-4 up to 190° F (20 up to 88° C)
Storage temperature	23 up to 122° F (-5 up to 50° C)

Approvals
- California State Fire Marshal - No. 4485-1200:141

Tested in accordance with
- ASTM E814
- CAN/ULC-S115
- UL 1479

Description	For use with	Core bit size	Qty	Pipe size	Item No.
CFS-DID Drop-In Device 2" C	6" to 12" thick concrete / metal deck	4"	1	up to 2" *	02008097
CFS-DID Drop-In Device 3" C		5"	1	3"	02008098
CFS-DID Drop-In Device 4" C		6"	1	4"	02008099
CFS-DID Drop-In Device 6" C		9"	1	6"	02008250
CFS-DID Drop-In Device 2" MD	2-1/2" to 8" thick concrete / metal deck	4"	1	up to 2" *	02008251
CFS-DID Drop-In Device 3" MD		5"	1	3"	02008252
CFS-DID Drop-In Device 4" MD		6"	1	4"	02008253
CFS-DID Drop-In Device 6" MD		9"	1	6"	02015574
CFS-DID Drop-In Device 2" HC8	7-1/2" to 8-1/2" thick hollow core	4"	1	up to 2" *	02008254
CFS-DID Drop-In Device 3" HC8		5"	1	3"	02008255
CFS-DID Drop-In Device 4" HC8		6"	1	4"	02008256
CFS-DID Drop-In Device 2" HC10	9-1/2" to 10-1/2" thick hollow core	4"	1	up to 2"*	02008257
CFS-DID Drop-In Device 3" HC10		5"	1	3"	02008258
CFS-DID Drop-In Device 4" HC10		6"	1	4"	02008259
CFS-DID Drop-In Device 2" HC12	11-1/2" to 12-1/2" thick hollow core	4"	1	up to 2" *	02008260
CFS-DID Drop-In Device 3" HC12		5"	1	3"	02008261
CFS-DID Drop-In Device 4" HC12		6"	1	4"	02008262
CFS-DID Adapter 2" • Adapter to hold top seal plug in place • Adds 1" to the overall height	All Drop-In Device sizes 2"		6		02008266

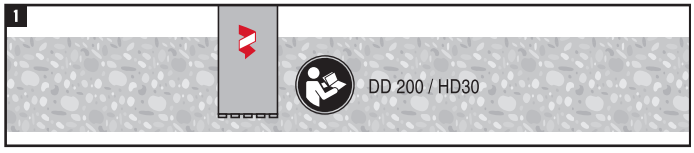
*For pipes smaller than 2", use adapter and top seal plug

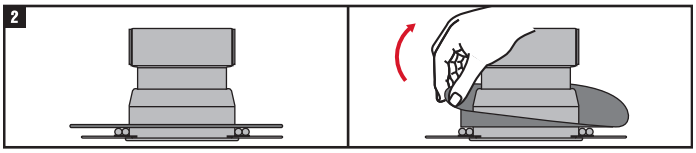
CFS-DID from above (no cap)

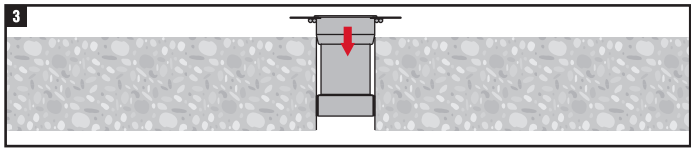
CFS-DID from above (with cap)

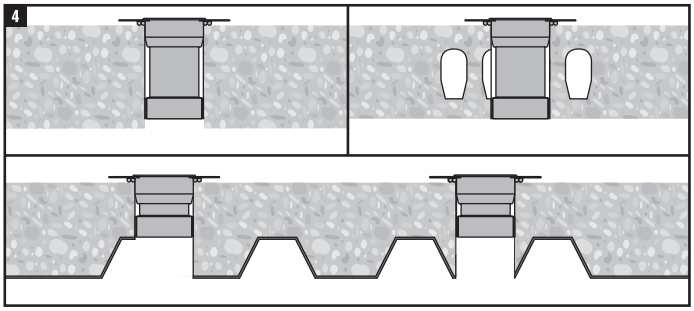
CFS-DID from below

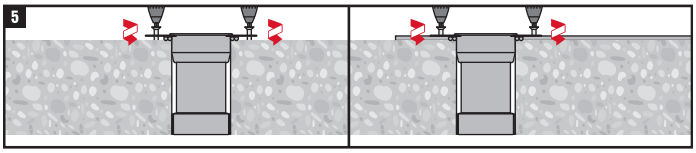
Installation Instructions

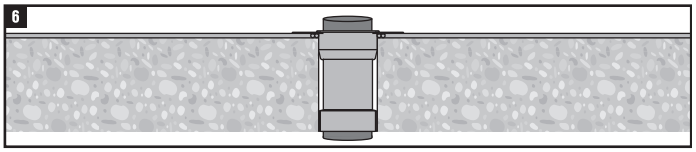












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Hilti. Outperform. Outlast.

CP 680-P/M Cast-In Firestop Device

Features and Applications

- One-step firestop solution for a variety of pipe materials and diameters
- Integrated moisture and smoke seal
- CP 680-P used with combustible or metallic penetrations
- CP 680-M used with metallic penetrations

FIRESTOP DEVICE
FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS

SEE UL FIRE RESISTANCE DIRECTORY 5N76

FGG -BM- CZ SYSTEM COMPATIBLE

FM APPROVED

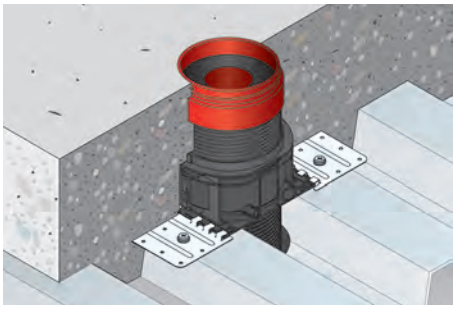
Technical Data	CP 680-P/ CP 680-M
Nominal pipe size / Footprint	Opening Required thru Metal Deck
2" / 3-3/4" x 4-1/2"	3-1/2" diameter
3" / 4-3/4" x 5-5/8"	4-1/2" diameter
4" / 6-3/8" x 6-3/4"	5-1/2" diameter
6" / 9" x 9-1/2"	7-1/4" diameter
Expansion temperature	392° F (200° C)
Expansion rate	1:50 (unrestrained) 1:30 (Load expansion, Load = 20g/cm^3)
Standard height	8"
Temperature resistance	Maximum 212° F (100° C)
Color	CP 680-P: red CP 680-M: black

Approvals
- California State Fire Marshal - No. 4485-1200:135, 4485-1200:136

Tested in accordance with
- UL 1479
- ASTM E814
- CAN/ULC-S115
- UL 2043

Description	Qty	Color	Item No.
CP 680-P 2" Cast-In Device	1	Red	00244244
CP 680-P 3" Cast-In Device	1	Red	00244245
CP 680-P 4" Cast-In Device	1	Red	00244246
CP 680-P 6" Cast-In Device	1	Red	00244247
CP 680-M 2" Cast-In Device	1	Black	00244248
CP 680-M 3" Cast-In Device	1	Black	00244249
CP 680-M 4" Cast-In Device	1	Black	00244250
CP 680-M 6" Cast-In Device	1	Black	00244251

Water Barrier Module



Features and Applications

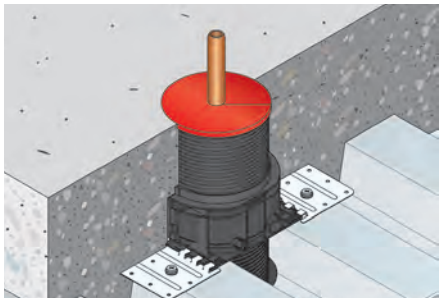
- Restricts water from flowing through cast-in device
- Available for 2", 3", 4" and 6" devices
- Adds 1" to overall height
- Secures to cover cap
- Use with CP 680-P/M or CFS-DID

FGG -BM- CZ SYSTEM COMPATIBLE

W rated

Description	Qty	Color	Item No.
CP 680-P/M 2" WR	10	Red	00244260
CP 680-P/M 3" WR	10	Red	00244261
CP 680-P/M 4" WR	5	Red	00244262
CP 680-P/M 6" WR	1	Red	00244263

Top Seal Plug



Features and Applications

- Easy friction fit around pipes to create a water resistant seal
- Forces pipe to be centered in the penetration
- Use with CP 680-P/M or CFS-DID

FCG BM CZ SYSTEM COMPATIBLE

W rated

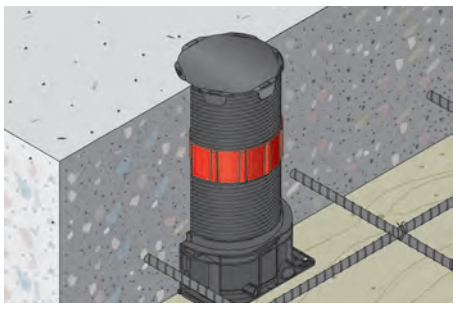
Iron Pipe Size

Description	Application	Qty	Color	Item No. Top Seal Plug
Top Seal, IPS 1/2"	Use with CP 680-P / M and 1/2" Schedule 40, IPS	10	Red	03425366
Top Seal, IPS 3/4"	Use with CP 680-P / M and 3/4" Schedule 40, IPS	10	Red	03425367
Top Seal, IPS 1"	Use with CP 680-P / M and 1" Schedule 40, IPS	10	Red	03425368
Top Seal, IPS 1-1/2"	Use with CP 680-P / M and 1-1/2" Schedule 40, IPS	10	Red	03425370
Top Seal, IPS 2"	Use with CP 680-P / M and 2" Schedule 40, IPS	10	Red	03425371

Copper Pipe Size

Description	Application	Qty	Color	Item No. Top Seal Plug
Top Seal, CPS 1/2"	Use with CP 680-P / M and 1/2" CPS	10	Red	03425372
Top Seal, CPS 3/4"	Use with CP 680-P / M and 3/4" CPS	10	Red	03425403
Top Seal, CPS 1"	Use with CP 680-P / M and 1" CPS	10	Red	03425404
Top Seal, CPS 1-1/4"	Use with CP 680-P / M and 1-1/4" CPS	10	Red	03425405
Top Seal, CPS 1-1/2"	Use with CP 680-P / M and 1-1/2" CPS	10	Red	03425406
Top Seal, CPS 2"	Use with CP 680-P / M and 2" CPS	10	Red	03425407

Height Extension Kits



Features and Applications

- Adds 1 or 6 inches of height to the cast-in device
- “Screw on” feature promotes a secure connection to device and cover cap
- Use with CP 680-P/M

Description	Qty	Color	Item No. CP 680-P/M Ext.
1" Extension for 2" CP 680-P/M	10	Red	00203893
1" Extension for 3" CP 680-P/M	10	Red	00203894
1" Extension for 4" CP 680-P/M	5	Red	00203895
1" Extension for 6" CP 680-P/M	1	Red	00203896

Description	Qty	Color	Item No. CP 680-P Ext.	Color	Item No. CP 680-M Ext.
6" Extension for 2" CP 680-P/M	10	Red	03424887	Black	03424891
6" Extension for 3" CP 680-P/M	10	Red	03424888	Black	03424892
6" Extension for 4" CP 680-P/M	10	Red	03424889	Black	03424943
6" Extension for 6" CP 680-P/M	1	Red	03424890	Black	03424944

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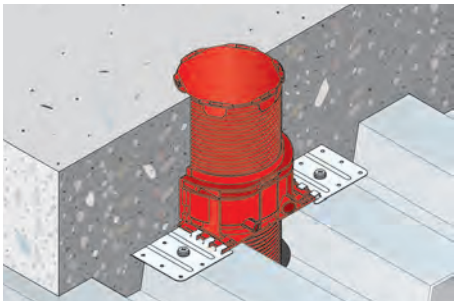
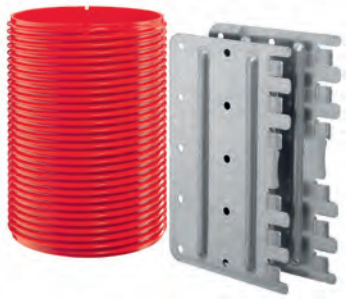
Metal Deck Adapter Kit

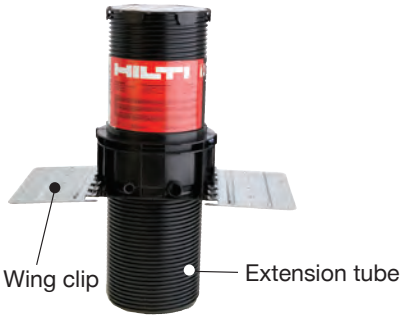


Features and Applications

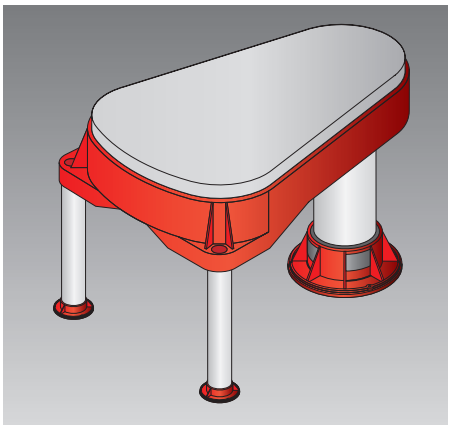
- Each adapter kit comes complete with one (1) extension tube and one (1) pair of metal wing clips
- Use with CP 680-P/M
- Secures CP 680-P/M to metal deck prior to concrete pour



Description	Qty	Color	Item No. CP 680-P MD	Color	Item No. CP 680-M MD
CP 680-P/M 2" MD	10	Red	03424945	Black	03424949
CP 680-P/M 3" MD	10	Red	03424946	Black	03424950
CP 680-P/M 4" MD	10	Red	03424947	Black	03424951
CP 680-P/M 6" MD	1	Red	03424948	Black	03424952



CP 681 Tub Box Kit



Features and Applications

- Enhanced system stability, no additional fastening materials needed
- Unique triangular shape, easier to work around rebar
- Easy assembly, just glue together with PVC cement, no special tools needed
- One system for all pipe materials, easy to choose and inspect
- Special elastomeric bushing, no protective tape required

FIRESTOP DEVICE
FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS

SEE UL FIRE RESISTANCE DIRECTORY 5N76

Technical Data	CP 681
Dimensions (LxWxH)	10-3/4" x 13" x slab thickness
Application dimension	Creates a 2-1/2" deep recess in the slab
Minimum slab thickness	4-1/2"
Intumescent activation	Approx. 375° F (190° C)
Expansion ratio (unrestricted)	1:10
Temperature resistance	Maximum 212° F (100° C)
Color	Red with white PVC legs and coupling
Storage	Store in dry location

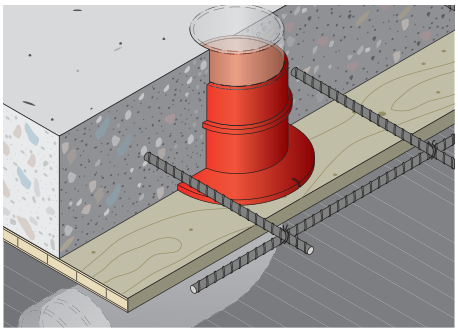
Approvals
- California State Fire Marshall - No. 4485-1200:122

Tested in accordance with
- UL 1479
- ASTM E814

Description	Package Contents	Qty	Item No.
Tub Box Kit Standard — Uncut 10-1/2" Height	Includes tub box, sealing bushing for schedule 40 pipe, (2) legs, flange and styrofoam inlay. Field cut to desired height	1	00377920
Tub Box Kit Custom — Precut to desired slab thickness*	Includes tub box, sealing bushing for schedule 40 pipe, (2) legs, flange and styrofoam inlay	1	03002087
Bushing, Standard (1-1/2", Schedule 40)		1	03410182
Bushing, Thin Wall (1-1/2")		1	03009526

*Item not returnable

Closet Stub



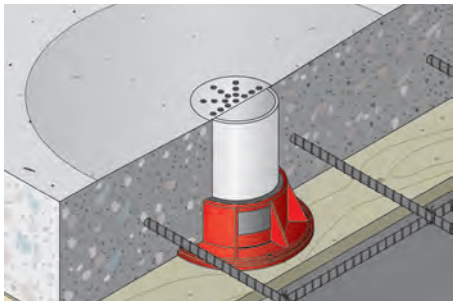
Features and Applications

- Cast-In device for toilet fixtures
- Durable PVC construction (ASTM 2665)
- Material can be attached to PVC pipes via solvent welding or glue

Technical Data	Closet Stub
Approvals	
• California State Fire Marshall - No. 4485-1200:137	

Description	Qty	Item No.
3" Closet Stub	12	03425433
4" Closet Stub	12	03425434

Shower and Floor Drain Sleeves



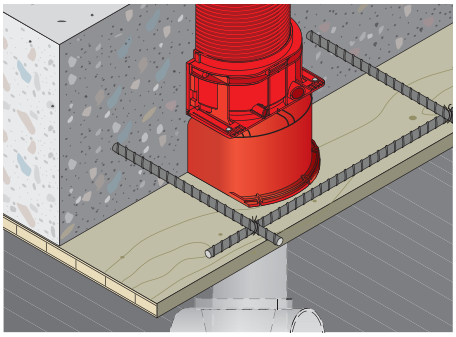
Shower and Floor Drain

Features and Applications

- Cast-In device for firestopping shower and floor drain systems
- Durable PVC construction (ASTM 2665)
- Material can be attached to PVC pipes via solvent welding or glue

Description	Qty	Item No.
Shower Drain Sleeve	1	03410134
Floor Drain Sleeve	10	03425365

Aerator Adapters



Features and Applications

- Creates an underside void for the installation of a single stack waste pipe aerator system
- Less penetrations per floor
- 3" fits hidden within a 3-1/2" stud assembly

Description	Qty	Item No.
Aerator Adapter, 3"	1	00244264
Aerator Adapter, 4"	1	00244265

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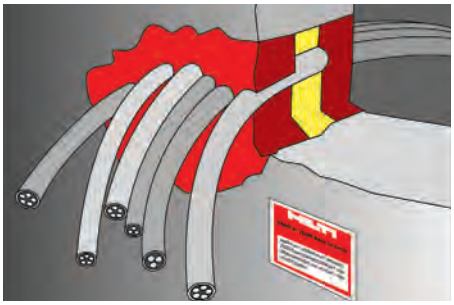
FS-ONE High Performance Intumescent Firestop Sealant



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Features and Applications

- Protects most typical firestop penetration applications
- Easy to work with and fast cleanup
- Paintable
- Water based
- Meets LEED™ requirements for indoor environmental quality credit 4.1 Low Emitting Materials, Sealants and Adhesives and 4.2 Paints and Coatings

CLASSIFIED C UL US

FILL, VOID OR CAVITY MATERIAL
FOR USE IN THROUGH-PENETRATION
FIRESTOP SYSTEMS

SEE UL FIRE RESISTANCE DIRECTORY
66Y7

FCG BM CZ SYSTEM COMPATIBLE

FM APPROVED

Technical Data*	FS-ONE
Chemical basis	Water-based intumescent acrylic dispersion
Color	Red
Application temperature	40 to 104° F (5 to 40° C)
Skin forming time	Approx. 20-30 min.
Curing time	Approx. 2 mm / 3 days
Average volume shrinkage (ASTM C1241)	24.1%
Movement capability (ISO 11600)	Approx. 5%
Expansion rate (unrestricted)	Up to 3-5 times original volume
Temperature resistance (cured)	–40 to 212° F (–40 to 100° C)
Surface burning characteristics (ASTM E84-96)	Flame Spread: 0 Smoke Development: 5
Sound transmission classification (ASTM E90-99)	56 (Relates to specific construction)

Approvals
- California State Fire Marshal - No. 4485-1200:108

Tested in accordance with
- UL 1479
- ASTM E814
- ASTM C1241
- ASTM E84
- CAN/ULC-S115

* At 73° F (23° C) and 50% relative humidity

Description		Volume	Qty	Color	Item No.
FS-ONE, 10.1 oz tube (300 ml)	①	18 in³	12	Red	00259580
FS-ONE, 20.2 oz foil (600 ml)	②	36 in³ ea	25	Red	00377232
FS-ONE, 5 gal pail (19 L)	③	1,155 in³	1	Red	00259578
Mineral Wool (4 pcf density) (46" L x 24" W x 4" H)		17,644 in³	1	-	00236993

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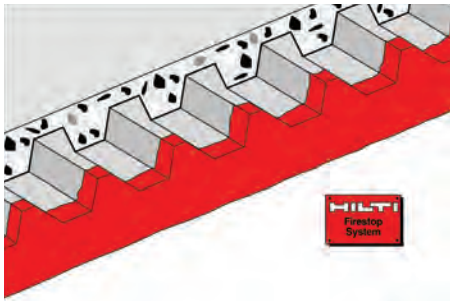
②

③

Firestop dispensers — see page 304

Hilti. Outperform. Outlast.

CFS-SP WB Firestop Joint Spray



Features and Applications

- A sprayable fire-rated mastic for construction joints where maximum movement is required
- Quick and easy installation with Titan 600 or 1100 Sprayers
- Contains no halogens, solvents, asbestos or carcinogens
- Water based formulation so spills and over-spray cleanup quickly and easily
- Meets LEED requirements for indoor environmental quality credit 4.1 Low Emitting Materials, Sealants and Adhesives and 4.2 Paints and Coatings

FILL, VOID OR CAVITY MATERIAL
FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS, AND/OR JOINT SYSTEMS, AND/OR PERIMETER FIRE CONTAINMENT SYSTEMS
SEE UL FIRE RESISTANCE DIRECTORY
66Y7

FM APPROVED

Technical Data*	CFS-SP WB
Density	Approx. 10.8 lb/gal (1.3 g/cm³)
Color	Available in red, white and gray**
Application temperature	39 to 104° F (4 to 40° C)
Temperature resistance	-40 to 176° F (-40 to 80° C)
Consistency	Sprayable liquid
Chemical basis	Acrylic-water-based-dispersion
Curing time	Approx. 24 hours @ 73F, 50% humidity for 1/8" depth
Average volume shrinkage (ASTM C1241)	51.1%
Ph-value	Approx. 8-9
Movement capability (ISO 11600)	Up to 50%
Surface Burning Characteristics (ASTM E84-06)	Flame spread: 5 Smoke Development: 10
Sound transmission classification (ASTM E90-99)	59 (per tested construction type)

Approvals
- California State Fire Marshall - No. 1452-1100:140

Tested in accordance with
- UL 2079
- ASTM E84
- UL 1479
- ASTM E2307
- ASTM C1241
- ASTM E1966
- CAN/ULC-S102
- ASTM E814
- CAN/ULC-S115

*At 73°F (23°C) and 50% relative humidity
**Gray color requires six (6) weeks lead time

Firestop Joint Spray

Description	Qty (5 gal pail)	Color	Item No.
CFS-SP WB Firestop Joint Spray — Red	1	Red	00430792
CFS-SP WB Firestop Joint Spray — White	1	White	00430793
CFS-SP WB Firestop Joint Spray — Gray **	1	Gray	00430802
CFS-SP WB Firestop Joint Spray — Pallet	18 (1 pallet)	Red	03465622
CFS-SP WB Firestop Joint Spray — 2 Pallet	36 (2 pallets)	Red	03465773
Firestop Joint Spray — Titan 1100 Sprayer Combo	18	Red	03465777
Firestop Joint Spray — Titan 1100 Sprayer Combo	36	Red	03465778
Firestop Joint Spray — Titan 600 Sprayer Combo	18	Red	03465774
Firestop Joint Spray — Titan 600 Sprayer Combo	36	Red	03465775

Accessories

Order Description		Item No.
Titan Advantage 1100 Sprayer Includes sprayer, whip hose, 50' hose, spray gun and (2) spray tips (.225 and .331) For use with Hilti steel protection spray, firestop joint sprays and acoustic spray Motor: 2.2 hp Fluid pressure: 3100 psi Delivery: 1.15 gpm		00334123
Titan Advantage 600 Sprayer Includes sprayer, whip hose, 50' hose, spray gun and (2) spray tips (.225 and .331) For use with Hilti firestop joint sprays and acoustic spray Temperature 50° F/10° C or warmer Motor: 1.7 hp Fluid pressure: 3100 psi Delivery: 0.70 gpm		03426208
Titan Spray Tip .225		00376841
Titan Spray Tip .331		03425297

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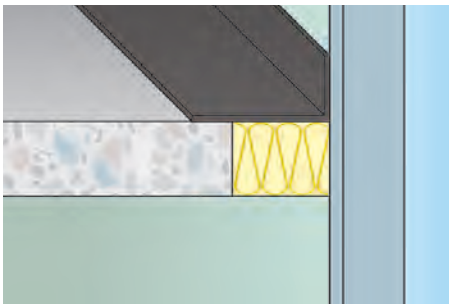
CP 672 FC (Fast Cure) Firestop Spray



Features and Applications

- A sprayable fire-rated mastic for perimeter joints where movement and fast rain resistance is required
- Maximum flexibility, meets 500 cycle requirements (ASTM E2307)
- Quick and easy installation with the Titan 600 or 1100 Sprayers
- CP 672 FC Speed Spray contains no halogens or asbestos so it is safe to use and won't harm the environment
- Water based formulation so spills and over-spray clean up quickly and easily
- Paintable
- Meets LEED™ requirements for indoor environmental quality credit 4.1 Low Emitting Materials, Sealants and Adhesives and 4.2 Paints and Coatings

FILL, VOID OR CAVITY MATERIAL
FOR USE IN PERIMETER FIRE
CONTAINMENT SYSTEMS
SEE UL FIRE RESISTANCE DIRECTORY
66Y7

Technical Data*	CP 672 FC
Density	10.43 lb/gal (1.25 g/cm³)
Color	Gray (white mixed with black curing agent)
Application temperature	40 to 104° F (5 to 40° C)
Temperature resistance	-40 to 176° F (-40 to 80° C)
Consistency	Sprayable liquid
Chemical basis	Latex based dispersion
Tack free time[1] (ventilated)	Approx. 5.5 hrs @ 77° F, 80% humidity
Rain resistance time (ventilated)[2]	Approx. 7.5 hrs @ 77° F , 80% humidity
Ph-value	Approx. 8
Surface burning characteristics (ASTM E84-08)	Flame Spread: 5 Smoke Development: 10
Sound transmission classification (ASTM E90-99)	55 (Relates to specific construction)

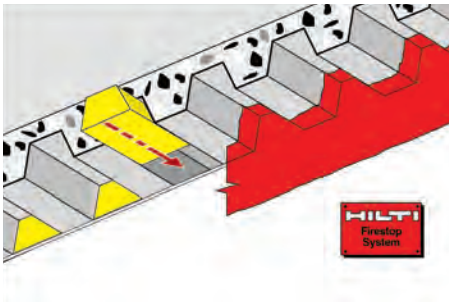
Approvals
- California State Fire Marshal - 1452-1200:109

Tested in accordance with
- ASTM E84
- ASTM E2307
- ASTM G21
- ASTM E90

*At 77°F and 80% relative humidity
1. Tack free in this case means that CP672-FC is not tacky anymore and additionally has built a thin skin to resist gently running water
2. Rain resistant means that CP672-FC has built a thick skin to withstand driving rain
3. Fully cured is the final state when all product requirements are fulfilled as designed

Description	Qty (5 gal pail)	Color	Item No.
CP 672 FC Firestop Spray	1	Gray	00288383

CP 767 Speed Strips
CP 777 Speed Plugs



Features and Applications

- Pre-formed mineral wool strips for most 1.5", 2" and 3" decks
- Pre-cut, leaves no gaps or voids
- Smooth surface provides cost effective spray coverage
- Safe to use (no asbestos) and inorganic (will not mildew)
- Up to 60% faster than castle cutting

FORMING MATERIAL
FOR USE IN JOINT SYSTEMS
SEE UL FIRE RESISTANCE DIRECTORY
17RL

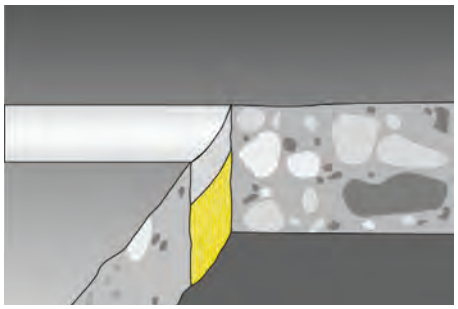
Technical Data	CP 767 / 777

Tested in accordance with
- UL 2079*
- ASTM E1966
- ASTM CG12 Type I-IUB
- CAN/ULC-S115

*UL Classified when used in conjunction with Hilti CP 606 Flexible Firestop Sealant, Hilti CP 601S Elastomeric Firestop Sealant or Hilti Firestop Joint Spray CFS-SP WB

Description	Flute Dimensions (L x (Flute) x H)	Qty	Item No.
CP 777 1.5" Speed Plug	36" x (3.5" x 4.5") x 1.5"	18	00371925
CP 777 2" Speed Plug	36" x (4.5" x 5.5") x 2"	18	00340998
CP 777 3" Speed Plug	36" x (5" x 7") x 3"	18	00340999
CP 767 2" Speed Strips (1 Hour)	36" x 0.625" x 2"	84	00374507
CP 767 2" Speed Strips (2 Hour)	36" x 1.25" x 2"	42	00374508
CP 767 4" Speed Strips (1 Hour)	36" x 0.625" x 4"	42	00374505
CP 767 4" Speed Strips (2 Hour)	36" x 1.25" x 4"	21	00374506
Mineral Wool (4 pcf density) (46" L x 24" W x 4" H)	17,664 in³	4	00236993

CP 606
Flexible Firestop Sealant



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Features and Applications

- An acrylic based firestop sealant that provides movement capability in fire rated joints and seals through-penetration applications
- Paintable
- Tested up to 33% movement with 500 cycles in accordance to UL 2079 and ASTM E1966
- Smoke and fume resistant
- Easy clean up with water
- Meets LEED™ requirements for indoor environmental quality credit 4.1 Low Emitting Materials, Sealants and Adhesives and 4.2 Paints and Coatings

FILL, VOID OR CAVITY MATERIAL
FOR USE IN THROUGH-PENETRATION
FIRESTOP SYSTEMS AND JOINT SYSTEMS

SEE UL FIRE RESISTANCE DIRECTORY
66Y7

FM APPROVED

Technical Data*	CP 606
Chemical basis	Acrylic based firestop sealant
Color	Available in red, white and gray
Application temperature	40 to 104° F (5 to 40° C)
Skin-forming time	Approx. 15 min
Curing time	Approx. 3 mm / 3 days
Average volume shrinkage (ASTM C1241)	22.2%
Movement capability (ISO 11600)	Approx. 10%
Temperature resistance	–22 to 176° F (–30 to 80° C)
Surface burning characteristics (ASTM E84-96)	Flame Spread: 10 Smoke Development: 0
Sound transmission classification (ASTM E90-99)	56 (Relates to specific construction)
Mold and mildew (ASTM G21)	Mold resistant

Approvals
- California State Fire Marshal -
  Listing No. 1452-1200:112
  Listing No. 1451-1200:121
  Listing No. 4485-1200:132

Tested in accordance with
- UL 2079
- ASTM E814
- ASTM E1966
- ASTM C1241
- ASTM E84
- UL 1479
- CAN/ULC-S115
- ASTM G21

* At 73° F (23° C) and 50% relative humidity

Description		Volume (ea)	Qty	Color	Item No.
CP 606, 10.5 oz tube (310 ml)	①	18 in³	20	Red	03436798
CP 606, 19.6 oz foil (580 ml)	②	36 in³	20	White	03441442
CP 606, 19.6 oz foil (580 ml)	②	36 in³	20	Red	00209634
CP 606, 19.6 oz foil (580 ml)	②	36 in³	20	Gray	03437907
CP 606 5 gal pail (19 L)	③	1,155 in³	1	White	00209637
CP 606, 5 gal pail (19 L)	③	1,155 in³	1	Red	00209636
Mineral Wool (4 pcf density) (46" L x 24" W x 4" H)		17,644 in³	4	-	00236993

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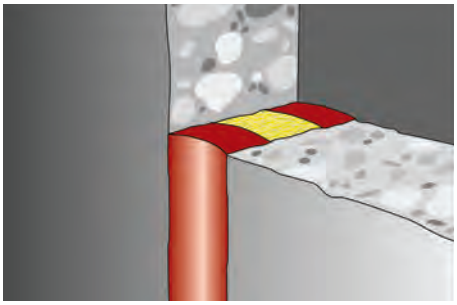
Firestop dispensers — see page 304

CP 601S Elastomeric Firestop Sealant



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Features and Applications

- A silicone based firestop sealant that provides maximum movement in fire-rated joint applications and seals through-penetration applications
- Simple use and application
- Good adhesion without use of a primer
- Smoke, fume and water resistant
- Meets LEED requirements for indoor environmental quality credit 4.1 Low Emitting Materials, Sealants and Adhesives and 4.2 Paints and Coatings
- W-rated systems available

CLASSIFIED C UL US

FILL, VOID OR CAVITY MATERIAL FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS AND JOINT SYSTEMS

SEE UL FIRE RESISTANCE DIRECTORY
66Y7

W rated

FM APPROVED

Technical Data*	CP 601S
Chemical basis	Neutral elastic silicone
Density	Approx. 1.25 g/cm³
Color	Red
Application temperature	40 to 104° F (5 to 40° C)
Skin-forming time	Approx. 15 min.
Curing rate	Approx. 2 mm / 3 days
Volume shrinkage	Approx. 0 to 5%
Movement capability (ISO 11600)	Approx. 25%
Temperature resistance	–40 to 320° F (–40 to 160° C)
Surface burning characteristics (ASTM E84-96)	Flame Spread: 0 Smoke Development: 30
Sound transmission classification (ASTM E90-97)	50 (Relates to specific construction)
Mold and mildew (ASTM G21)	Mold resistant

Approvals
- California State Fire Marshal -
  Listing No. 1451-1200:115
  Listing No. 1452-1200:113
  Listing No. 4485-1200:123

Tested in accordance with
- UL 2079
- ASTM E814
- ASTM E1966
- CAN/ULC-S115
- UL 1479
- ASTM E84

* At 73° F (23° C) and 50% relative humidity

Description		Volume	Qty	Item No.
CP 601S, 10.5 oz tubes (310 ml)	①	18 in³	20	00315013
CP 601S, 20.2 oz foil (600 ml)	②	36 in³ ea	20	00314269
CP 601S, 5 gal pail (19 L)	③	1155 in³	1	00314270
Mineral Wool (4 pcf density) (46" L x 24" W x 4" H)		17,644 in³	4	00236993

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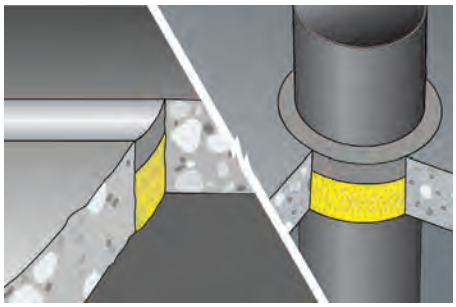
Firestop dispensers — see page 304

Hilti. Outperform. Outlast.

CP 604 Self-Leveling Firestop Sealant



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Features and Applications

- Self-leveling, single-component, silicone-based firestop sealant for use with through-penetrations as well as construction joints in floors
- Smoke, fumes and water resistant
- Meets LEED requirements for indoor environmental quality credit 4.1 Low Emitting Materials, Sealants and Adhesives and 4.2 Paints and Coatings
- W-rated systems available

CLASSIFIED C UL US

FILL, VOID OR CAVITY MATERIAL
FOR USE IN THROUGH PENETRATION FIRESTOP SYSTEMS, JOINT SYSTEMS AND PERIMETER FIRE CONTAINMENT SYSTEMS. UL FIRE RESISTANCE DIRECTORY
66Y7

W rated SYSTEMS AVAILABLE

FM APPROVED

Technical Data*	CP 604
Chemical basis	Neutral elastic silicone
Color	Gray
Application temperature	40 to 104° F (5 to 40° C)
Skin forming time	Approx. 15 min
Curing time	Approx. 2 mm/3 days
Joint movement capability	Approx. +20%
Temperature resistance	–40 to 248° F (–40 to 120° C)
Surface burning characteristics (ASTM E84-00)	Flame Spread: 5 Smoke Development: 60
Sound transmission classification (ASTM E90-02)	56 (Relates to specific construction)

Approvals
- California State Fire Marshal - No. 4485-1200:117
  No. 1452-1200:134

Tested in accordance with
- UL 1479
- ASTM E814
- ASTM E1966
- ASTM E2307
- UL 2079
- ASTM E84
- CAN/ULC-S115

* At 73° F (23° C) and 50% relative humidity

Description		Volume	Qty	Item No.
CP 604, 20.2 oz foil (600 ml)	①	36 in³ ea	12	00369637
CP 604, 4 gal pail	②	924 in³	1	00369177
Mineral Wool (4 pcf density) (46" L x 24" W x 4" H)		17,644 in³	4	00236993

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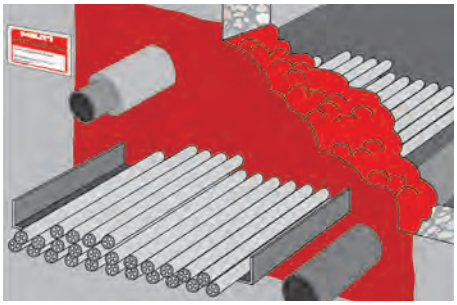
Firestop dispensers — see page 304

CP 620 Fire Foam



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Features and Applications

- Innovative firestopping solution for complex and difficult to reach applications
- Paintable
- Virtually impervious to smoke
- Bacteria resistant
- Saves time and money
- W-rated systems available

CLASSIFIED C UL US
FILL, VOID OR CAVITY MATERIAL
FOR USE IN THROUGH-PENETRATION
FIRESTOP SYSTEMS
SEE UL FIRE RESISTANCE DIRECTORY
66Y7

W rated SYSTEMS AVAILABLE
FM APPROVED

Description		Package Content	Qty	Item No.
CP 620 Fire Foam 10.2 oz tube (300 ml)	①	Includes 1 cartridges, 2 mixers and 1 extension pipe	12	00338725
CP 620 Deluxe Starter Kit		Includes 1 dispenser, 12 cartridges, 24 mixers and 12 extension pipes in Hilti case	1	00371883
CP 620 Mixer	②		12	00338718
CP 620 Dispenser	③		1	00338720
CP 620 Extension Pipe			12	00338716

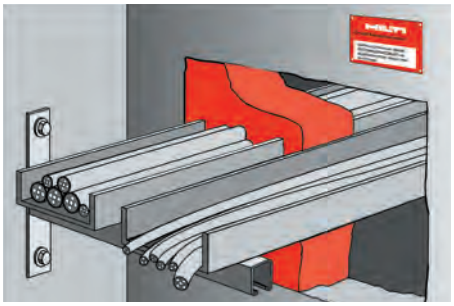
Technical Data*	CP 620
Chemical basis	Two component polyurethane
Color	Red
Fire foam yield	Up to 110 in^3
Application temperature	32 to 104° F (0 to 40° C)
Curing time	Non-tacky after approx. 35 seconds Ready to cut after approx. 1 minute
Thermal insulation (R-value)	2.8–3.0 per inch of thickness
Temperature resistance of cured foam	–22 to 212° F (–30 to 100° C)
Sound transmission classification (ASTM E90-99)	50 (Relates to specific construction)
Structure-borne sound insulation	Pipe/wall 30–50%
Surface burning characteristics (ASTM E84-01)	Flame Spread: 0 Smoke Development: 15

Approvals
- California State Fire Marshal - No. 4485-1200:119

Tested in accordance with
- UL 1479
- ASTM E814
- CAN/ULC-S115
- ASTM E84

* At 73° F (23° C) and 50% relative humidity

CP 637 Firestop Mortar



Features and Applications

- Fire-resistant mortar suitable for firestopping large openings
- Quick setting — forms can be removed in as little as 2 hours
- Superior working properties
- Can be used in horizontal or vertical applications
- No shrinkage during curing process

CLASSIFIED C UL US
FILL, VOID OR CAVITY MATERIAL
FOR USE IN THROUGH-PENETRATION
FIRESTOP SYSTEMS
SEE UL/cUL FIRE RESISTANCE DIRECTORY
66Y7

Description	Qty	Item No.
CP 637 Firestop Mortar 30 lb pail	1	00340645

Technical Data*	CP 637
Color	Light red
Application temperature (ideal)	40 to 110° F (5 to 43° C)
Form removal (depending on consistency)	Approx. 2 hours
Density (dry)	Approx. 40.6 pcf
Expansion on setting (approx.)	0.08%
Temperature resistance of cured mortar	-22 to 176° F (–30 to 80° C)

Compressive strength

	24 hrs after casting	After full cure
Pourable	508 psi (3.5 N/mm^2)	725 psi (5.0 N/mm^2)
Plastic	696 psi (4.8 N/mm^2)	1200 psi (8.3 N/mm^2)
Stiff	870 psi (6.0 N/mm^2)	1784 psi (12.3 N/mm^2)

Surface burning characteristics (ASTM E84-01)	Flame Spread: 5 Smoke Development: 0
Yield (30 lb pail)	900-1000 cubic inches (depending on mix ratio)

Approvals
- California State Fire Marshal - No. 4485-1200:120

Tested in accordance with
- ASTM E814
- UL 1479
- CAN/ULC-S115
- ASTM E84

* At 73° F (23° C) and 50% relative humidity

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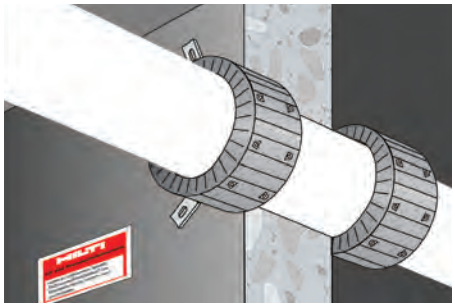
Hilti, Inc. (U.S.) 1-800-879-8000 **www.us.hilti.com** • en español 1-800-879-5000 • Hilti (Canada) Corp. 1-800-363-4458 **www.hilti.ca**

CP 643N Firestop Collar



Features and Applications

- A ready-to-use firestop collar made of a galvanized steel housing and intumescent inserts for firestopping combustible pipes
- Quick and easy closure without the use of a tool
- Adjustable position tabs for simple fastening
- Low profile for tight installations

FIRESTOP DEVICE
FOR USE IN THROUGH-PENETRATION
FIRESTOP SYSTEMS

SEE UL FIRE RESISTANCE DIRECTORY
5N76

FCG -BM- CZ SYSTEM COMPATIBLE

FM APPROVED

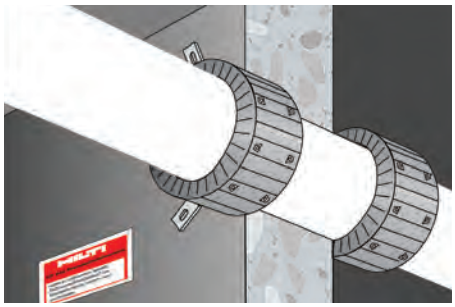
Technical Data	CP 643N			
Description	Pipe outside dia (in.)	Collar outside dia (in.)	Collar Height (in.)	No. of hooks and fastening
CP 643-50/1.5"N	1.4–2.0	2.8	0.9	**2**
CP 643-63/2"N	2.0–2.5	3.4	1.3	**2**
CP 643-90/3"N	2.6–3.6	4.9	1.7	**3**
CP 643-110/4"N	3.6–4.5	6.0	1.9	**3**
CP 643-160/6"N	6.6	9.8	1.9	**4**
Temperature resistance	-40 to 140° F (–40 to 60° C)			
Intumescent activation	Approx. 392° F (200° C)			
Expansion ratio (unrestricted)	Up to 1:10			

Approvals
- California State Fire Marshal - No. 4485-1200:131

Tested in accordance with
- UL 1479
- ASTM E814
- CAN/ULC-S115

Description	Package Contents	Qty	Item No.
CP 643N 50/1.5"	Includes 1 collar and 2 fastening hooks	1	00304325
CP 643N 63/2"	Includes 1 collar and 2 fastening hooks	1	00304326
CP 643N 90/3"	Includes 1 collar and 3 fastening hooks	1	00304328
CP 643N 110/4"	Includes 1 collar and 3 fastening hooks	1	00304329
CP 643N 160/6"	Includes 1 collar and 4 fastening hooks	1	00304331
CP 643N Firestop Collar Fastening Hooks	Use CP 643N collars	30	00304345

CP 644 Firestop Collar



Features and Applications

- Galvanized sheet steel containing sections of intumescent material (designed to expand when exposed to fire) for firestopping large combustible pipes
- Snap connection for quick and easy closure without use of a tool
- Adjustable position tabs for convenient fastening
- Ready to use out of the package

FIRESTOP DEVICE
FOR USE IN THROUGH-PENETRATION
FIRESTOP SYSTEMS

SEE UL FIRE RESISTANCE DIRECTORY
5N76

Technical Data	CP 644			
Description	Pipe outside dia (in.)	Collar outside dia (in.)	Collar Height (in.)	No. of hooks and fastening
CP 644-200/8"	8.8	10.0	6.9	**10**
CP 644-250/10"	10.8	12.4	9.1	**12**

Approvals
- California State Fire Marshal - No: 4485-1200:128

Tested in accordance with
- UL 1479
- ASTM E814

Description	Package Contents	Qty	Item No.
CP 644 8"	Includes 1 collar and 10 fastening hooks	1	00304341
CP 644 10"	Includes 1 collar and 12 fastening hooks	1	00304344
CP 644 Fastening Hooks		10	00304346

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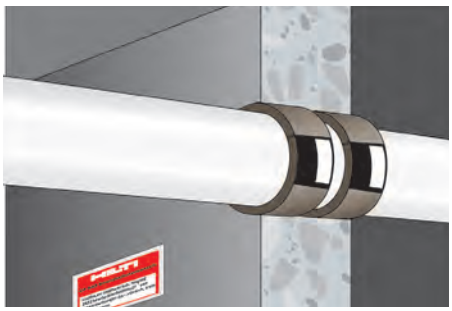
CP 648-S Firestop Single Wrap Strip



Features and Applications

- An intumescent, flexible firestop single wrap strip for plastic pipe penetrations
- Quick and easy closure without tools
- Ideal for very tight installations

FILL, VOID OR CAVITY MATERIAL
FOR USE IN THROUGH-PENETRATION
FIRESTOP SYSTEMS

SEE UL FIRE RESISTANCE DIRECTORY
66Y7

FGG -BM- CZ SYSTEM COMPATIBLE

FM APPROVED

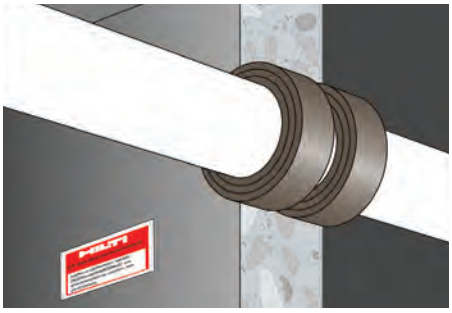
Technical Data	CP 648-S
Density	Approx. 1.35 g/cm³
Approx. Dimens. (thkns" x width" x length")	1.5": 3/16" x 1" x 6-3/4" 2": 3/16" x 1" x 8-1/4" 3": 3/16" x 1-3/4" x 11-1/2" 4": 3/8" x 1-3/4" x 15" 6": 1/2" x 1-3/4" x 22-1/4"
Color	Black with foil backing
Temperature resistance	–40 to 212° F (–40 to 100° C)
Intumescent activation	Approx. 320° F (160° C)
Expansion ratio (unrestricted)	1:40

Approvals
• California State Fire Marshal - No: 4485-1200:127

Tested in accordance with
• UL 1479
• ASTM E814
• CAN/ULC-S115

Description	Qty	Item No.
CP 648-S Single Wrap Strip 1-1/2"	10	00304303
CP 648-S Single Wrap Strip 2"	10	00304304
CP 648-S Single Wrap Strip 3"	10	00304305
CP 648-S Single Wrap Strip 4"	10	00304306
CP 648-S Single Wrap Strip 6"	6	00304307

CP 648-E Firestop Endless Wrap Strip



Features and Applications

- An intumescent, flexible firestop endless wrap strip for plastic pipe penetrations
- Quick and easy closure without tools
- Ideal for very tight installations

FILL, VOID OR CAVITY MATERIAL
FOR USE IN THROUGH-PENETRATION
FIRESTOP SYSTEMS

SEE UL FIRE RESISTANCE DIRECTORY
66Y7

FGG -BM- CZ SYSTEM COMPATIBLE

FM APPROVED

Technical Data	CP 648-E
Density	Approx. 1.35 g/cm³
Dimensions (Approximate)	3/16" x 1" x 33 ft or 3/16" x 1-3/4" x 33 ft
Color	Black with foil backing
Temperature resistance	–40 to 212° F (–40 to 100° C)
Intumescent activation	Approx. 320° F (160° C)
Expansion ratio (unrestricted)	1:40

Approvals
• California State Fire Marshal - No: 4485-1200:126

Tested in accordance with
• UL 1479
• ASTM E814
• CAN/ULC-S115

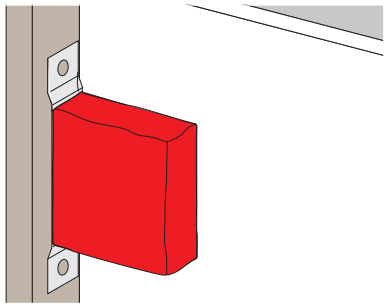
Wrap Strip

Description	Qty	Item No.
CP 648-E Wrap Strip 1" x 33' roll	1	00304308
CP 648-E Wrap Strip 1-3/4" x 33' roll	1	00304309

Retaining Collars

Description	Qty	Item No.
CP 648-E Retaining Collar 1" x 25'	1	00283224
CP 648-E Retaining Collar 1-3/4" x 25'	1	00283225

CP 617 Firestop Putty Pad



Features and Applications

- A moldable firestop putty designed to help protect electrical outlet boxes
- Applied by hand
- Fast installation

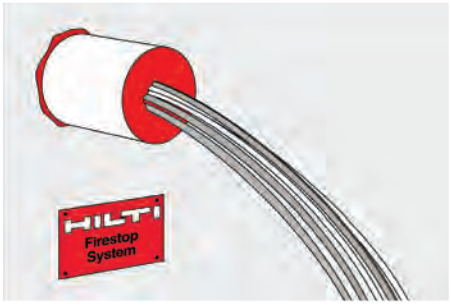
CLASSIFIED c UL us
WALL OPENING PROTECTIVE MATERIAL
FIRE RESISTANCE CLASSIFICATION
SEE PRODUCT CATEGORY IN
UL FIRE RESISTANCE DIRECTORY
66Y7

FM APPROVED

Technical Data	CP 617, CP 617L and CP 617XL
Dimensions CP 617: 6" x 7" x 1/8" (15 x 18 x 0.3 cm) CP 617L: 7" x 7" x 1/8" (18 x 18 x 0.3 cm) CP 617XL: 9" x 9" x 1/8" (23 x 23 x 0.3 cm)	
Consistency	Moldable putty
Color	Red
Application temperature	40 to 95° F (5 to 35° C)
Storage temperature	40 to 104° F (5 to 40° C)
Cure	Non-curing
Density	1.48 g/cm^3
Volatile solvents	None
Asbestos fibers	None
Surface burning characteristics (ASTM E84-08)	Flame Spread: 15 Smoke Development: 10
Sound transmission classification (ASTM E90-97)	59 (Relates to specific construction)
Approvals • California State Fire Marshal - No. 4485-1200:129	
Tested in accordance with • UL 263 • ASTM E84 • CAN/ULC-S115	

Description	Qty	Item No.
CP 617 Putty Pad 6" x 7"	20	00309760
CP 617L Putty Pad 7" x 7"	20	00333583
CP 617XL Putty Pad 9" x 9"	20	00373387

CP 618 Firestop Putty Stick



Features and Applications

- An intumescent, non-hardening, firestop putty for cable and pipe penetrations
- Reusable
- Easy to add or remove cables
- Fast installation

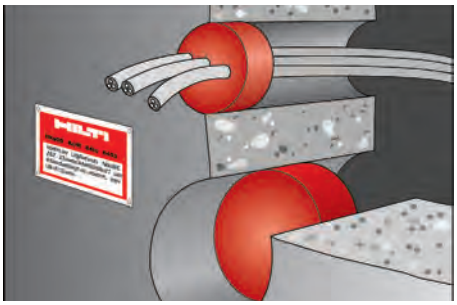
CLASSIFIED c UL us
FILL, VOID OR CAVITY MATERIALFOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS
SEE PRODUCT CATEGORY IN UL FIRE RESISTANCE DIRECTORY
66Y7

FM APPROVED

Technical Data	CP 618
Dimensions	18 in^3 (Approx. 10-1/4" x 1-1/2" round)
Consistency	Moldable putty
Color	Red
Application temperature	40 to 95° F (5 to 35° C)
Cure	Non-curing
Density	Approx. 1.48 g/cm^3
Surface burning characteristics (ASTM E84-08)	Flame Spread: 15 Smoke Development: 10
Sound transmission classification (ASTM E90-97)	49 (Relates to specific construction)
Approvals • California State Fire Marshal - No. 4485-1200:111	
Tested in accordance with • UL 1479 • ASTM E814 • ASTM E84 • CAN/ULC-S115	

Description	Color	Volume	Qty	Item No.
CP 618 Putty Stick	Red	18 in^3 ea	12	00314721

CFS-PL Firestop Plug



Features and Applications

- Non curing, reusable solution for small openings
- Suitable for laying new cables later
- Fast and easy installation, saving time and money with no special tool required
- Immediately functional after installation
- Versatile in use (temporary or permanent protection)
- One-sided installation wall systems available

FILL, VOID OR CAVITY MATERIALS
CLASSIFIED BY UNDERWRITERS LABORATORIES, INC.
FOR USE IN THROUGH-PENETRATION
FIRESTOP SYSTEMS

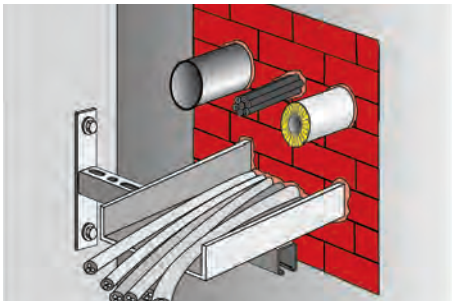
SEE UL FIRE RESISTANCE DIRECTORY
66Y7

FM APPROVED

Technical Data	CFS-PL
Density	Approx. 0.27 g/cm³
Color	Red
Application temperature	40 to 104° F (5 to 40° C)
Temperature resistance	5 to 140° F (-15 to 60° C)
Intumescent activation	Approx. 392° F (200° C)
Expansion ratio (unrestricted)	Approx. 1:3
Surface burning characteristics (ASTM E84-10b)	Flame Spread: 10 Smoke Development: 15
Sound transmission classification	In progress
Approvals • California State Fire Marshal - In progress	
Tested in accordance with • UL 1479 • ASTM E814 • ASTM E84 • CAN/ULC-S115	

Description	Qty	Item No.
CFS-PL Firestop Plug 2"	10	02030021
CFS-PL Firestop Plug 4"	6	02030022

CFS-BL Firestop Block



Features and Applications

- Non curing, reusable solution for medium to large openings
- Suitable for new penetrations or repenetration
- One-sided installation wall systems available
- Easy installation, no special tool is required
- Ideal for use in floors, no forming is required
- Integrated grid technology reduces the use of wire mesh making Firestop Block installation fast and clean

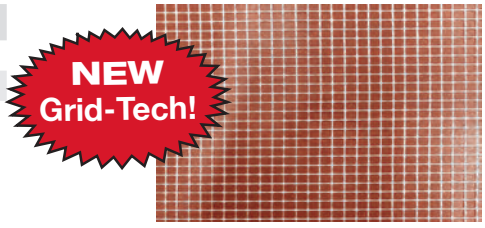
FILL, VOID OR CAVITY MATERIAL
FOR USE IN THROUGH-PENETRATION
FIRESTOP SYSTEMS

SEE UL FIRE RESISTANCE DIRECTORY
66Y7

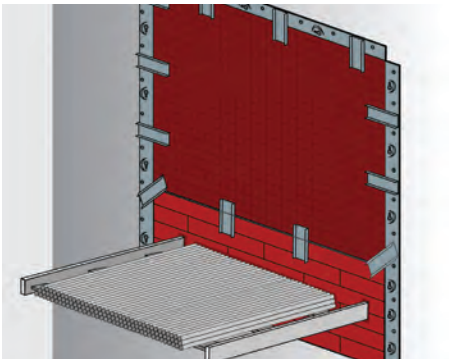
FM APPROVED

Technical Data	CFS-BL
Density	Approx. 0.27 g/cm³
Color	Red
Application temperature	40 to 104° F (5 to 40° C)
Temperature resistance	5 to 140° F (-15 to 60° C)
Intumescent activation	Approx. 392° F (200° C)
Expansion ratio (unrestricted)	Up to 1:3
Surface burning characteristics (ASTM E84-10b)	Flame Spread: 10 Smoke Development: 15
Sound transmission classification	In progress
Approvals • California State Fire Marshal - In progress	
Tested in accordance with • UL 1479 • ASTM E814 • ASTM E84 • CAN/ULC-S115	

Description	Volume	Qty	Item No.
CFS-BL Firestop Block (2" x 5" x 8")	80 in³	1	02030020
CFS-BL Firestop Block — Case	2,080 in³	20	03484119



CP 675T Firestop Board



Features and Applications

- Satisfies a wide range of application scenarios
- Allows for high installation flexibility and eases repenetration/cable mining from one side of wall
- Time saving one person, one sided installation method
- Easy to cut without electric tools
- No dust, no fibers, no mess

CLASSIFIED C UL US
FIRESTOP DEVICE
FOR USE IN THROUGH-PENETRATION FIRESTOP SYSTEMS
SEE UL FIRE RESISTANCE DIRECTORY 5N76

FM APPROVED

Technical Data	CP 675T
Color	Red
Size (large board)	26" x 39" x 1" (660 x 990 x 25 mm)
Size (small board)	26" x 28" x 1" (660 x 711 x 25 mm)
Density	320 kg/m^3
Application temperature	-22 to 176° F (-30 to 80° C)
Temperature resistance	-22 to 176° F (-30 to 80° C)
Surface burning characteristics (ASTM E84-00)	Flame Spread: 5 Smoke Development: 10

Approvals
- California State Fire Marshall - No. 4485-1200:125

Tested in accordance with
- UL 1479
- ASTM E814
- ASTM E84
- CAN/ULC-S115

Description	Qty	Item No.
CP 675T Firestop Board (Small 26" x 28")	1	00304434
CP 675T Firestop Board (Large 26" x 39")	1	00305688

Accessories

Order Description		Qty	Item No.
CP 675T Z-Frame Includes fasteners for drywall, concrete, block and steel		1	00283855
CP 675T T-Separator Bar		1	00283854
CP 675T L-Sleeve, Optional Includes fasteners for drywall, concrete, block and steel		5	00283893
CP 619T Putty Roll (1" x 12')		1	00305072

Firestop specification made easy!

Access a state-of-the-art tool designed to make specification of firestop even easier with the click of a mouse. Designed with you in mind, the Hilti Firestop Design Center makes solving application problems and downloading CAD-ready drawings a breeze.

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- System drawings
- Product information
- Firestop terms and definitions
- Building regulations and codes
- Project references
- Firestop FAQs

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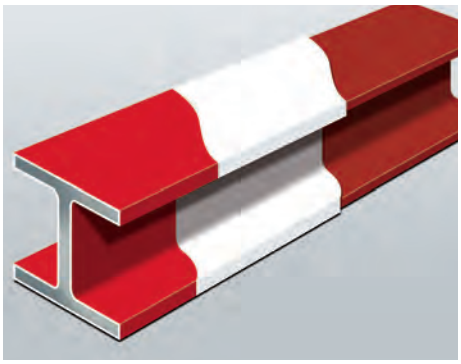
CFP-S WB Fire Protection Steel Spray



Features and Applications

- Fire protection dispersion to help protect load bearing steel structures in interior environments against the effects of fire
- Tested to ASTM E119 for up to four hour fire rating
- Water Based, low VOC — allows for fast, easy and safe clean up
- Reduced dry time permits additional coats to be applied faster
- Infinite color options possible with approved topcoats
- Wide flange steel columns
- Hollow steel sections
- Restrained and unrestrained beams
- Restrained and unrestrained concrete and steel floor units

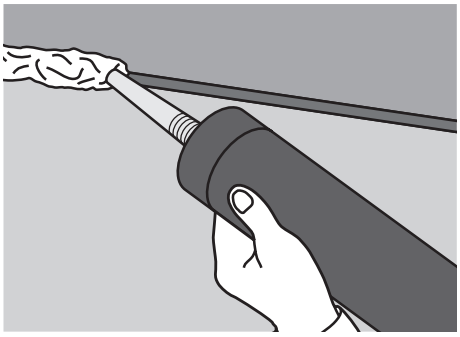
MASTIC AND INTUMESCENT COATING FIRE RESISTANCE CLASSIFICATION.

SEE UL FIRE RESISTANCE DIRECTORY 3NX2.

Technical Data	CFP-S WB
Chemical basis	Water based polymer dispersion
Consistency	Sprayable liquid
Color	White
UL test design	Up to 4 hours fire rating (ASTM E119)
Surface burning characteristics	Flame Spread: 0 (ASTM E84) Smoke Development: 20 (ASTM E84)
Solid substance content	72 ± 2 (% v/v)
Density	11.1 lb/gal (1.33 kg/l)
pH value	8-9
Recommended storage temperature	41 to 104° F (5 to 40° C)
Recommended application temperature	50 to 104° F (10 to 40° C)
Drying time	Approx. 6 hours at 75° F (24° C) and 50% relative humidity for 30 mils (0.76 mm) WFT
Adhesion	210 psi (ASTM D4541)
Durometer hardness	68 shore D (ASTM D2240)
Impact resistance	72.6 in lbs (ASTM D2240-03)
Abrasion resistance	0.468 g / 1000 cycles (ASTM D4060)
Packaging	55 lb pail (25 kg pail)
VOC	49 g/L

Description	Qty	Item No.
CFP-S WB Fire Protection Steel Spray	1	00433115
CFP-S WB Fire Protection Steel Spray (Pallet)	18	03465272

CP 506
Smoke and Acoustic Sealant



②

Features and Applications

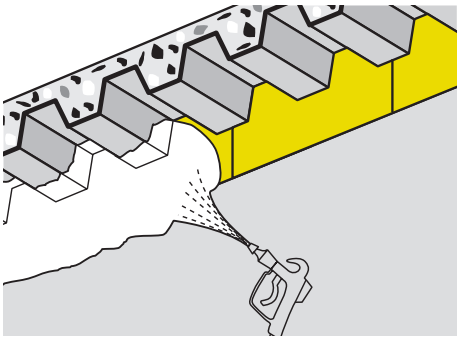
- Sealing construction joints and through-penetration openings in non fire-rated acoustical assemblies and smoke partitions (not for use in fire-rated applications)
- Easy to dispense, apply and tool
- Excellent airborne sound insulation properties
- Low shrinkage after curing
- Easy cleaning with water
- Paintable

Technical Data	CP 506
Chemical basis	acrylic
Color	white
Storage and transport temperature range	40 to 77° F (5 to 25° C)
Curing time (73° F / 50% relative humidity)	approx. 3 mm / 3 days
Skin-forming time (73° F / 50% relative humidity)	approx. 15 min
Application temperature range	40 to 104° F (5 to 40° C)
Shelf life	24 months
Sound transmission classification (ASTM E90)	STC 63 (per tested construction type)
Movement capability (ISO 11600)	approx. 12.5%
Mold and mildew (ASTM G21)	mold resistant
Surface burning characteristics (ASTM E84-08)	Flame Spread: 10 Smoke Development: 10
Air leakage (Modified UL 2079 L-Rating)	L-Rating at Ambient = Less than 1 CFM / Lin Ft. L-Rating at 400° F = Less than 1 CFM / Lin Ft.

①

Description		Color	Volume	Qty	Item No.
CP 506 Smoke and Acoustic Sealant (580 ml foil pack)	①	White	35.3 in³	20	00412590
CP 506 Smoke and Acoustic Sealant (5 gallon pail)	②	White	1,155 in³	1	00412591

CP 572
Smoke and Acoustic Spray



Features and Applications

- Sealing construction joint openings in non fire-rated acoustical assemblies and smoke partitions (not for use in fire-rated applications)
- Quick and easy spray application
- Can be applied at low temperatures
- Excellent airborne sound insulation properties
- High elasticity for good movement absorption
- Excellent sprayability and low slump characteristics
- Paintable

Technical Data	CP 572
Chemical basis	acrylic
Color	white
Storage and transport temperature range	40 to 77° F (5 to 25° C)
Curing time approx. (73° F / 50% relative humidity)	approx. 3 mm / 3 days
Skin-forming time (73° F / 50% relative humidity)	approx. 15 min
Application temperature range	40 to 104° F (5 to 40° C)
Shelf life	12 months
Sound transmission classification (ASTM E90)	STC 56 (per tested construction type)
Surface burning characteristics (ASTM E84-08)	Flame Spread: 10 Smoke Development: 5
Movement capability	approx. 12.5%
Mold and mildew (ASTM G21)	mold resistant
Air leakage (Modified UL 2079 L-Rating)	L-Rating at Ambient = Less than 1 CFM / Lin Ft. L-Rating at 400° F = Less than 1 CFM / Lin Ft.

Description	Color	Volume	Qty	Item No.
CP 572 Smoke and Acoustic Spray (5 gallon pail)	White	1,155 in³	1	00412592

Accessories

Description	Quantity	Item No.
Foil Dispenser, Manual (CS 270-P1)	1	00024669
Foil Dispenser Replacement Nut	1	00334548
Foil Dispenser Nozzles	10	00220139
CFS-DISP Tube Dispenser Use with standard 10 oz (300ml) tubes	1	02005843
CS-CG-2400/2300 Dispenser Use with standard 10 oz (300ml) tubes	1	00024825
Foil Dispenser, Pneumatic	1	00374502
CD 600-B Bulk Firestop Sealant Dispenser	1	00423363
Force Flow Bulk Dispenser Loader	1	03009304
Follow Plate Assits in loading Bulk Firestop Sealant Dispenser	1	03024002
Hilti Firestop System Identification Plate (Plastic) (5-3/4" W x 4-1/8" H)	10	00306219
Hilti Firestop System Identification Labels (100 adhesive labels per roll)	1	00339611
Stainless Steel Mixing Paddle Specially designed stainless steel paddle mixer for mortars. Has a smooth shank for use with drills equipped with a Jacob style chuck.	1	00024155
CP 620 Dispenser For use with CP 620 Fire Foam	1	00338720
CP 620 Mixer For use with CP 620 Fire Foam	12	00338718
CP 620 Extension Pipe For use with CP 620 Fire Foam	12	00338716

* Add anchors and bits to online favorites list

Foam and Construction Chemicals

Hilti. Outperform. Outlast.

Foams

CF 812 Window and Door Pro Low-Pressure Filler Foam 308
CF 810 Crack and Joint Pro Insulating Filler Foam 308
CF 512 Cold Weather Pro Insulating Filler Foam 309
CF 116 Reusable Nozzle Foam 309
Foam Accessories 309

Concrete Repair and Grouts

CB-G MG Multipurpose Grout 310
CB-G PG Precision Grout 310
CB-G EG Epoxy Grout 311
RM 700 EP Epoxy-Based Repair Mortar 312
RM 710 EP Epoxy-Based Repair Mortar 312
RM 800 PC Portland Cement-Based Repair Mortar 313
CI 060 / CI 070 EP Crack Injection System 314

Floor Sealers

CC 400 EP Clear Epoxy Floor Sealer 315
CC 410 EP Epoxy-Polyamide Floor Sealer and Skidproofer 315

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CF 812
Window and Door Pro Low-Pressure Filler Foam*

Features and Applications

CF 812 Window and Door Pro is a low-pressure filler foam for use around window and door frames. It is an ideal solution for restricting air, sound and water infiltration.

- Tested as a low-pressure insulating material for window and door frames (AAMA 812)
- Restricts air infiltration and creates water resistant seal
- Flexible foam allows movement
- Faster application than traditional methods such as caulking and batt-insulation
- Premium Hilti CF-DS1 dispenser allows for precision installation without waste
- Provides excellent sound barrier
- Contains no CFCs

Technical Data	CF 812
Foam yield per can	Approx 1.30 ft³
Approximate cure schedule (ASTM C1620)	Tack free after approx 8-10 minutes Ready to cut after approx 15-20 minutes
Temperature resistance of cured foam	-22° F to 176° F (-30° C to 80° C)
Application temperature	41° F to 95° F (5° C to 35° C)
Air infiltration (ASTM E283)	0.01 cfm/ft² @ 1.56 psf (75Pa)
Surface burning characteristics (UL 723)	Flame Spread: 0 Smoke Developed: 5
Shelf life from date of manufacture	12 months (when stored at 68° F)
R-Value (ASTM C518)	4.27
Sound transmission classification (ASTM E90)	55 (Relates to specific construction)

Description	Package Contents	Qty	Item No.
CF 812 Window and Door Pro Foam	One 22.5 oz can	1	00227975
CF 812 Window and Door Pro Foam	One case of 22.5 oz cans	12	03413889

* To verify code compliance for your application, obtain approval from the authority having jurisdiction prior to use.

CF 810
Crack and Joint Pro Insulating Filler Foam*

Features and Applications

CF 810 Crack and Joint Pro is a high yield foam for filling around penetrations and general gap/crack applications. This product has been evaluated for use as an alternative material for fireblocking in non fire-rated wood frame assemblies (not for use as a firestop).

- Restricts air infiltration and creates water resistant seal
- Use as fireblock for Type V non fire-rated wood frame construction (refer to ESR 2179) (not for use in fire-rated assemblies)
- Identifiable orange color
- Faster application than traditional methods such as caulking and batt-insulation
- Premium Hilti CF-DS1 dispenser allows for precision installation without waste
- Provides excellent sound barrier
- High-quality valve limits pressure loss, prolongs shelf life and prevents waste
- Contains no CFCs

Technical Data	CF 810
Foam yield per can	Approx 1.55 ft³
Approximate cure schedule (ASTM C1620)	Tack free after approx 8-10 minutes Ready to cut after approx 10-15 minutes
Temperature resistance of cured foam	-22° F to 176° F (-30° C to 80° C)
Application temperature	41° F to 95° F (5° C to 35° C)
Air infiltration (ASTM E283)	0.01 cfm/ft² @ 1.56 psf (75Pa)
Surface burning characteristics (UL 723)	Flame Spread: 0 Smoke Developed: 5
Shelf life from date of manufacture	12 months (when stored at 68° F)
R-Value (ASTM C518)	5.24
Sound transmission classification (ASTM E90)	55 (Relates to specific construction)

Description	Package Contents	Qty	Item No.
CF 810 Crack and Joint Pro Foam	One 23 oz can	1	00227974
CF 810 Crack and Joint Pro Foam	One case of 23 oz cans	12	03413888

* To verify code compliance for your application, obtain approval from the authority having jurisdiction prior to use.

CF 512
Cold Weather Pro Insulating Filler Foam*

Features and Applications

- Low temperature performance allows CF 512 to be applied in cold weather (30° F)
- Use as a fireblock for Type V non fire-rated wood frame construction (refer to ESR 2179) (not for use in fire-rated assemblies)
- Identifiable orange color
- Premium Hilti CF-DS1 dispenser allows for precision installation without waste

Technical Data	CF 512
Foam yield per can	1.60 ft³
Approximate cure schedule	Tack free after approx 8-10 minutes Ready to cut after approx. 25 minutes
Application temperature	30° F to 80° F (–1° C to 27° C)
Surface burning characteristics (UL 723)	Flame Spread: 25 Smoke Developed: 50
Shelf life from date of manufacture	12 months

All data measured at 73° F (23° C) and 55% relative humidity

Description	Package Contents	Qty	Item No.
CF 512 Cold Weather Pro Foam	One 24 oz can	1	00211444
CF 512 Cold Weather Pro Foam	One case of 24 oz cans	12	03431483

* To verify code compliance for your application, obtain approval from the authority having jurisdiction prior to use.

CF 116
Reusable Nozzle Foam*

Features and Applications

- Reusable system allows user to dispense contents of can after several hours or days
- High yield provides over 20% more product per can than most competitive foams
- Stops drafts which reduces heating/cooling expenses
- Reduces noise and vibration to provide a quieter living environment
- HCFC free formulation

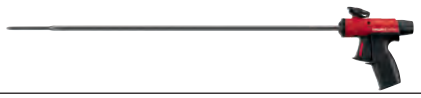
Technical Data	CF 116
Foam yield per can	Approx. 0.85 ft³
Approximate cure schedule	Tack free: 10–12 min Ready to cut: 30 min Fully cured: 2–3 hrs
Temperature resistance of cured foam	-22° F to 176° F (-30° C to 80° C)
Compression strength	7.25 psi (5 N/cm²)
Application temperature	41° F to 95° F (5° C to 35° C)
Surface burning characteristics (UL 723)	Flame Spread: 15 Smoke Developed: 55
Shelf life from date of manufacture	9 months

All data measured at 73° F (23° C) and 55% relative humidity

Description	Package Contents	Qty	Item No.
CF 116 Reusable Nozzle Foam	One 16 oz can	1	00321423
CF 116 Reusable Nozzle Foam	One case of 16 oz cans	12	03449060

* To verify code compliance for your application, obtain approval from the authority having jurisdiction prior to use.

Accessories

Description	CF 812	CF 810	CF 512	CF 116	Qty	Item No.
CF DS-1 Dispenser	■	■	■		1	00259768
CF DS-L Extra Long Dispenser (with 27" barrel) 	■	■	■		1	00403843
CF and EX/DS Plastic Nozzle Tip	■	■	■		20	00311512
CFR-1 Cleaner — 17 oz can	■	■	■	■	1	00024631

11

Hilti. Outperform. Outlast.

CB-G MG Multipurpose Grout

Features and Applications

- Conforms to ASTM C-1107 and CRD C-621
- Non-metallic
- Positive expansion, non-shrink
- Non-corrosive: contains no chlorides or other salts
- Pumpable
- Excellent freeze / thaw resistance
- Structural grouting of baseplates, columns, beams, precast concrete, dowels, etc.
- General construction grouting applications
- Can be used above or below grade
- Grouting applications where shrinkage and corrosion (staining) must be controlled

Technical Data	Multipurpose Grout (MG)
Compressive strength	ASTM C109
3 days	4,500 - 6,000 psi *
7 days	5,200 - 7,000 psi *
28 days	6,500 - 7,800 psi *
Cure schedule at 72° F (22° C)	ASTM C191
Initial set	3 hr 15 min - 7 hr 30 min *
Final set	4 hr 45 min - 8 hr 00 min *
Thickness	
Minimum	0.5 in
Maximum (unextended)	3.0 in
Maximum (w/ 50% by weight, 3/8 inch pea gravel)	10.0 in
Yield	0.40 - 0.44 ft^3 / 50 lb bag *

* Values depend on recommended water content, ranging from fluid (lowest value within range) to flowable to plastic (highest value) conditions

Description	Package Contents	Qty	Item No.
CB-G MG Multipurpose Grout	50 lb bag (pallet)	50	00435833
CB-G MG Multipurpose Grout	50 lb bag (5 pallets)	250	03476904
CB-G MG Multipurpose Grout	50 lb bag (17 pallets)	850	03476905

CB-G PG Precision Grout

Features and Applications

- Conforms to ASTM C-1107 and CRD C-621
- High early and ultimate strengths
- High flow capability
- Positive expansion, non-shrink
- Precision alignment
- Non-metallic, non-corrosive
- Contains no chlorides or other salts
- Pumpable
- Excellent freeze / thaw resistance
- Structural grouting of baseplates, columns, beams, precast concrete, crane rails, bridge seats, dowels, etc.
- Grouting of machinery and equipment with high load requirements
- Applications where early commissioning and quick job start up are required while providing high early compressive strength development

Technical Data	Precision Grout (PG)
Compressive strength	ASTM C109
1 day	3,750 - 6,500 psi *
3 days	6,000 - 7,500 psi *
7 days	7,500 - 9,500 psi *
28 days	9,500 - 11,000 psi *
Cure schedule at 72° F (22° C)	ASTM C191
Initial set	5 hr 30 min - 6 hr 45 min *
Final set	6 hr 05 min - 7 hr 45 min *
Thickness	
Minimum	0.5 in
Maximum (unextended)	3.0 in
Maximum (w/ 50% by weight, 3/8 inch pea gravel)	10.0 in
Yield	0.40 - 0.44 ft^3 / 50 lb unit *

* Values depend on recommended water content, ranging from fluid (lowest value within range) to flowable to plastic (highest value) conditions

Description	Package Contents	Qty	Item No.
CB-G PG Precision Grout	50 lb pail	1	00431611
CB-G PG Precision Grout	50 lb bag; large pallet	50	00435834

CB-G EG Epoxy Grout

Features and Applications

- Non-corrosive hardener — no risk of burning
- Non-hazardous and non-corrosive per DOT shipping classification
- VOC and BGE (Butyl Glycidyl Ether) free
- High early and ultimate strengths
- High vibration resistance
- Deep pour, low shrinkage
- Self-leveling
- Easy to use, all-in-one kit
- High resistance to a variety of chemicals
- Grouting of machinery and equipment with high load requirements
- Precision alignment under dynamic load conditions
- Structural grouting of baseplates, columns, beams, crane rails, bridge seats, dowels, etc.
- Suitable for use in chemical processing facilities

Technical Data	Epoxy Grout (EG)
Compressive strength	ASTM C579 b
7 days	15,000 psi
Cure schedule at 72° F (22° C)	
Working time	45 min
Gel time	90 min (ASTM D2471)
Thickness	
Minimum	1.0 in
Maximum (unextended)	8.0 in
Maximum (w/ 50% by weight, 3/8 inch pea gravel)	Not allowed
Yield	0.44 ft^3 / 65 lb pail

* Values depend on recommended water content, ranging from fluid (lowest value within range) to flowable to plastic (highest value) conditions

Description	Package Contents	Qty	Item No.
CB-G EG Epoxy Grout	65 lb pail	1	00430898

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RM 700 EP/710 EP Epoxy-Based Repair Mortars

Features and Applications

- High strength mortars resist weather, abrasion
- Virtually unaffected by freeze/thaw cycles
- Withstands even the harshest conditions
- All resin/hardener and aggregate premeasured
- Mortar is easily troweled into place
- Cures rapidly
- Bonds to both concrete and steel
- No shrinkage or solvent fumes

RM 700 EP

Description	Package Contents	Yield	Qty	Item No.
RM 700 EP — tub	One 9 lb tub	0.073 ft³	1	00020428
RM 700 EP — pail	One 65 lb pail	0.45 ft³	1	00020264

RM 710 EP (Cold Formulation)

Description	Package Contents	Yield	Qty	Item No.
RM 710 EP — tub	One 9 lb tub	0.073 ft³	1	00020429
RM 710 EP — pail	One 65 lb pail	0.45 ft³	1	00020268

Accessories

Description	Package Contents	Qty	Item No.
Stainless Steel Paddle Mixer (smooth shank)	Specially designed for epoxy mortar. Use with Jacob's style chuck	1	00024155

Technical Data	RM 700 EP
Solids content	100%
Color	Light gray
Shelf life	2 years from date of manufacture
Application temperature range	50° F to 90° F (10° C to 32° C)
Pot life	20-30 mins @ 70° F
Cure schedule at 70° F (21° C)	Recoat or top coat: 4-5 hrs Light foot traffic: 10-12 hrs Full cure traffic: 2-7 days
Compressive strength (psi)	10,489 @ ASTM D638
Tensile strength (psi)	8,157 @ ASTM D638
Impact strength (IZOD)	Excellent
Heat deflection temperature	156° F (69° C) @ ASTM D648
Chemical resistance • zylene - C • 1,1,1 trichlorethane -C • MEK - A • methanol - A • ethyl alcohol - A • skydrol - B • 10% sodium hydroxide - C • 50% sodium hydroxide - C • 10% sulfuric acid - B • 70% sulfuric acid - A • 10% HCL (aq) - C • 5% acetic acid - B **Rating key:** A - not recommended B - 2 hour term splash spill C - 8 hour term splash spill	
Volatile Organic Content (VOC)	Zero (0) pounds per gallon

Read product labeling and accompanying literature before using

Technical Data	RM 710 EP
Solids content	100%
Color	light gray
Shelf life	2 years from date of manufacture
Application temperature range	30° F to 80° F (-1° C to 27° C)
Pot life at 70° F (21° C)	10-15 mins @ 70° F
Cure schedule at 70° F (21° C)	Recoat or top coat: 3-4 hrs Light foot traffic: 6-8 hrs Full cure traffic: 2-7 days Foot traffic servicable: 24 hrs at 30° F (-1° C)
Compressive strength (psi)	7,560 @ ASTM D695
Tensile strength (psi) (ASTM D638)	6,030 @ ASTM D638
Impact strength (IZOD)	Excellent
Heat deflection temperature	113° F (45° C) @ ASTM D648
Chemical resistance • zylene - C • 1,1,1 trichlorethane -C • MEK - A • methanol - A • ethyl alcohol - C • skydrol - B • 10% sodium hydroxide - D • 50% sodium hydroxide - C • 10% sulfuric acid - C • 70% sulfuric acid - A • 10% HCL (aq) - C • 5% acetic acid - B **Rating key:** A - not recommended B - 2 hour term splash spill C - 8 hour term splash spill D - 72 hour immersion	
Volatile Organic Content (VOC)	Zero (0) pounds per gallon

Read product labeling and accompanying literature before using

RM 800 PC Portland Cement-Based Repair Mortar

Features and Applications

- Takes vehicular traffic after 3 hours at 70° F
- Minimizes downtime and revenue loss
- Requires no bonding agents or primers
- Shorter application process
- Just add water
- Mix with Hilti drill and paddle or mortar mixer

Technical Data	RM 800 PC
Working time	15 mins at 75° F (24° C)
Set time (ASTM C266)	Initial (Hrs:Min): 0:20 Final (Hrs:Min): 0:30
Flexural strength — 28 days (ASTM C348)	900 psi
Compressive strength (ASTM C109)	3 hrs: 3000 psi 1 day: 6000 psi 28 days: 8000 psi
Percentage length change (ASTM C157)	Air-cured: -0.082% Moist-cured: +0.031%
Resistance to deicing salts (ASTM C672)	10% Calcium Chloride Solution - 25 cycles - 1 Rating
Water absorption (ASTM C642)	9.8%
Freeze-thaw resistance: 3000 cycles (ASTM C666, procedure A)	88% dynamic modulus
Flow: 5 min (ASTM C109)	142%
Color	Concrete Gray
Splitting tensile strength (ASTM C496)	7 day: 390 psi 28 day: 450 psi

RM 800 PC

Description	Package Contents	Qty	Item No.
RM 800 PC — pail	One 50 lb pail	1	00020270

Accessories

Description	Package Contents	Qty	Item No.
Stainless Steel Paddle Mixer (smooth shank)	Specially designed for epoxy mortar. Use with Jacob's style chuck	1	00024155

RM 800 PC Estimating Formula*

Estimated Yield for Repair Mortars and Grout (Y_{prod}) in ft^3

Product	Y_{prod}
RM 800 PC	0.420

Number of Units Required = $(L * W * (D_{ave} / 12)) / Y_{prod}$

L = length of void in feet
W = width of void in feet
D_{ave} = ave. depth of void in inches
Y_{prod} = Yield for product

*Numbers are approximate and assume no waste

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CI 060 EP/CI 070 EP

Features and Applications

- 100% solids epoxy
- Self contained cartridge with resin and hardener in a single package
- Non-return valves in ports and injection hoses help eliminate spills
- No expensive equipment required
- No drilling required to install ports
- Repairs cracks in concrete structures

Read product labeling and accompanying literature before using

Technical Data	CI 060 EP
Shelf life	Resin and hardener: 2 years from date of manufacture when stored at 50° to 80° F
Application temperature range	50° to 113° F (minimum substrate temp: 46° F)
Working time	90 minutes at 50° F 40 minutes at 73° F 15 minutes at 90° F
Minimum curing time at 68° F	24 hrs
Compressive strength	12,000 psi
Tensile strength	7,120 psi
Compressive modulus	265,000 psi

Technical Data	CI 070 EP
Shelf life	Resin and hardener: 1 year from date of manufacture when stored at 59° to 77° F
Application temperature range	40° to 90° F
Working time	34 mins at 40° F 10 mins at 77° F
Cure schedule	3 hrs at 70° F
Compressive strength	11,000 psi
Tensile strength	6,900 psi
Compressive modulus	293,000 psi

①

Order Information

Description	Package Contents	Qty	Item No.
CI 060 EP Crack Injection Kit	(12 tubes) 172 in³ of injection epoxy, (30) ports with non-return valves, (6) connection hoses with non return valves, (4) air relief stoppers	1	00220244
CI 070 EP Surface Sealing Compound	1 quart can — covers 50 to 70 linear feet	1	00225491
CI 070 EP Surface Sealing Compound	1 case one quart cans	4	00225493
CI 960 Adhesive Port	1 bag of ports with not-return valves	30	00020132
CI 964 Connection Hose	1 bag of hoses with non-return valves	6	00020133
CB 200-P1 Tube Dispenser ①	1 dispenser — use with 10.5 oz hard tubes	1	00055205
CS-CG 2400/2300 Adhesive Dispenser	1 dispenser — use with 10.5 oz hard tubes	1	00024825

Not available in Canada
*Item not returnable

CC 400 EP Clear Epoxy Floor Sealer

Features and Applications

- Two-component water based epoxy-polyamide sealer
- Designed to protect concrete surfaces from dusting
- VOC compliant
- USDA approved
- No strong solvent odor

Order Information

Description	Package Contents	Qty	Item No.
CC 400 EP Clear Epoxy Floor Sealer	5 gallon kit consisting of premeasured portions of resin and hardener in a water base	1	00020272

Not available in Canada

Technical Data	CC 400 EP
Solids content	45-50%
Color	Clear, pale amber
Coverage	250–350 ft² per gal
Recommended thickness	3 mils dry
Mix ratio	4:1 by volume
Shelf life	12 months from date of manufacture
VOC content	Part A: 1.26 lb/gal Part B: 0.0 lb/gal Mixed: 1.0 lb/gal
Abrasion results	56 mg loss, Taber Abrasor CS-17 Calibrase Wheel 1000 gm load, 500 cycles
Impact resistance	Gardiner Variable Impactor, 50 in-lb, direct passed
Flexibility	No cracks on 1/8" mandrel
Cure schedule at 75° F*	Tack free: 4 hrs Recoat: 5–7 hrs Light traffic: 8–16 hrs Full cure: 2–7 days
Pot life	45–90 mins at 75° F

Chemical resistance

	Splash		Splash
Weak Acids	G	Hydraulic Fluid	G
Strong Acids	NR	Gasoline	G
Bases (Alkali)	EX	Ethylene Glycol	EX
Petroleum Solvents	NR	Battery(Sulfuric) Acid	G

*Tested at 75° F at 55% RH
G=Good, EX=Excellent, NR=Not Recommended

CC 410 EP Epoxy-Polyamide Floor Sealer and Skidproofer

Features and Applications

- Two-component water based epoxy-polyamide sealer with aggregate
- Used to help protect concrete surfaces from water and to minimize the likelihood of slipping on wet floors
- VOC compliant
- USDA approved

Order Information

Description	Package Contents	Qty	Item No.
CC 410 EP Epoxy Non-Skid Floor Sealer	3.5 gallon kit consisting of premeasured portions of resin and hardener in a water base, with non-skid grit	1	00020273

Not available in Canada

Technical Data	CC 410 EP
Solids content	64% ±3%
Color	Light gray
Coverage	125-150 ft² per gal
Recommended thickness	5-6 mils dry
Mix ratio	4:1 by volume (liquids only)
Shelf life	12 months from date of manufacture
VOC content	Mixed: 0.79 lb/gal
Abrasion results	56 mg loss, Taber Abrasor CS-17 Calibrase Wheel 100 gm load, 500 cycles
Impact resistance	Gardiner Variable Impactor, 50 in-lb, direct passed
Flexibility	No cracks on 1/8" mandrel
Cure schedule at 75° F*	Tack free: 4–6 hrs Recoat: 6–8 hrs Light traffic: 8–16 hrs Full cure: 2–7 days
Pot life	40-90 mins at 75° F

Chemical resistance

	Splash		Splash
Weak Acids	G	Petroleum Solvents	NR
Strong Acids	G	Hydraulic Fluid	G
Bases (Alkali)	EX	Ethylene Glycol	EX

*Tested at 75° F at 55% RH
G=Good, EX=Excellent, NR=Not Recommended