ANCHORING SYSTEMS





Adhesive Anchors

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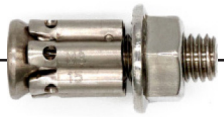
Light-duty Anchors

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Hoist Anchor Points

Hoist anchor point HAP 1.15 Page 328



Stone undercut anchor

Stone undercut anchor HSU-R Page 329



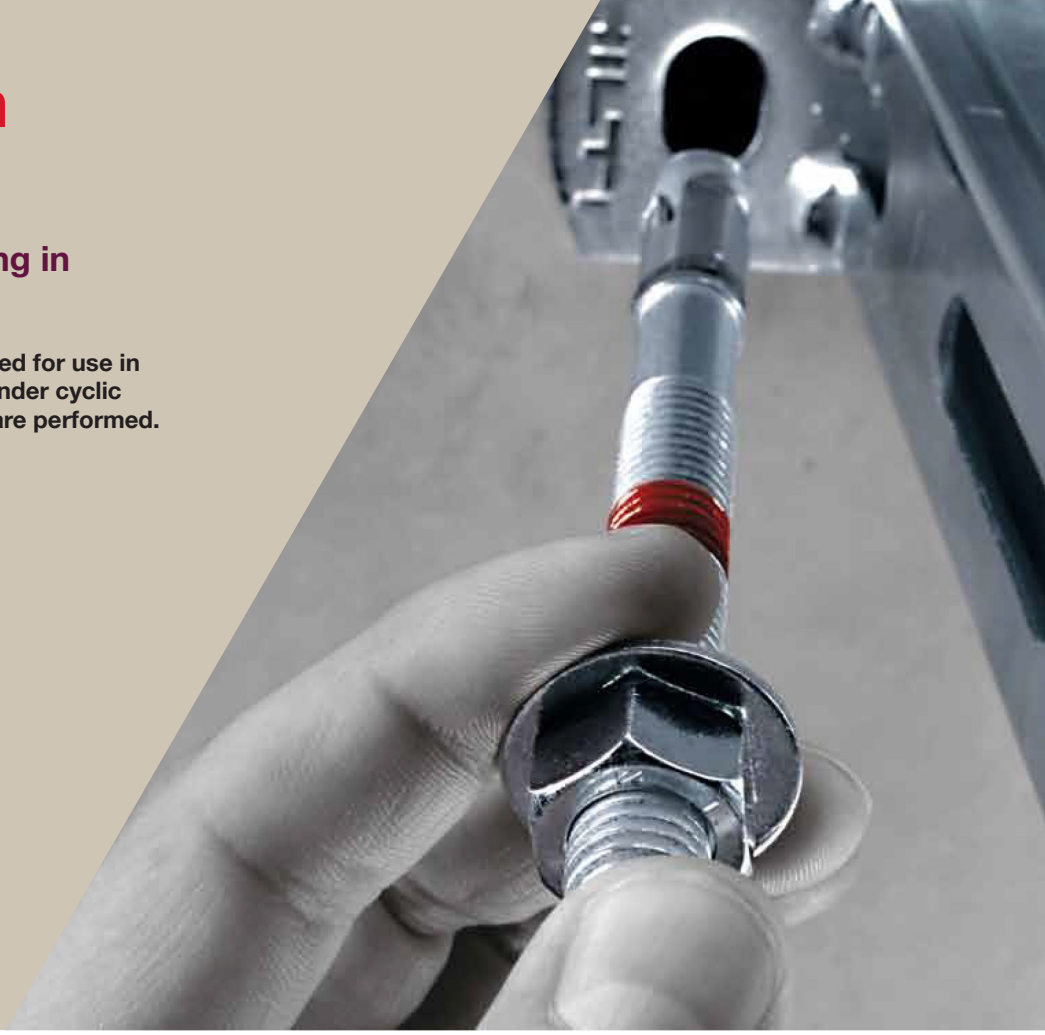
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Cast-in-socket HCS Page 339

Simply proven and approved

Hilti Solutions for fastening in cracked concrete.

Hilti Anchors are developed and tested for use in cracked concrete. Additional tests under cyclic loads on anchors located in cracks are performed.

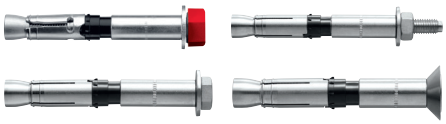


HILTI HIT-HY 200-R INJECTABLE MORTAR



- Suitable for use with all anchor rods and rebar
- No hole cleaning required with the revolutionary HIT-Z anchor rod.
- Fast curing

HILTI HSL-4 HEAVY DUTY EXPANSION ANCHOR



- The most common heavy duty anchor
- Fast and easy through-set installation
- HSL-4-B torque cap ensures proper installation with no need for a torque wrench

HILTI HST3 STUD ANCHOR



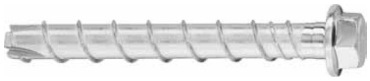
- Universal stud with ideal tension and shear load capacities
- Optimized expansion-sleeve design ensures automatic follow-up expansion in cracked concrete
- Wide concrete application range from C15/20 to C90/95

HILTI HIT-RE 500 V3 INJECTABLE MORTAR



- Bond strengths that outperform in seismic and cracked concrete conditions
- Heavy-duty adhesive anchoring systems with long working (gel) time for deep rebar installations
- The fastest curing epoxy mortar in the market

HILTI HUS3-H SCREW ANCHOR



- Ideal for temporary fixings
- Fast and easy installation (50% time saving compared to stud anchor)
- Completely removable

HILTI HDA SELF-UNDERCUT ANCHOR



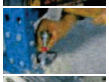
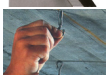
- High standard heavy duty self-undercut anchor
- Comprehensive approvals e.g. fatigue, shock, seismic, etc.
- Completely removable

HILTI HSC SAFETY ANCHOR



- Internally/Externally threaded anchor
- Small edge distance, spacing and embedment depth

Approved for use in cracked & non-cracked concrete according to ETAG001 option1.

Working principle	Load Indication			Base material								Material					
				Concrete	Cracked concrete	Hard natural stone	Hollow concrete	AAC block	Solid brick	Cavity brick	Drywall panel	Galvanized steel	Sherandized or Hot dip galvanized steel	A2 stainless steel	A4 Stainless steel	HCR stainless steel	
Chemical anchor	kg			■	■	■						■	■		■	■	
			 **Hilti HIT-RE 500 V3** with HAS-U, HIS-N, rebar	■	■	■						■	■		■	■	
			 **Hilti HIT-RE 100** with HAS-U, HIS-N, rebar	■		■						■	■		■	■	
			 **Hilti HVU2** HVU2 with HAS, HIS-N	■	■	■						■	■		■	■	
	kg		 **Hilti HIT-HY 270** with HAS-U, HIS-N		■		■	■	■	■	■	■			■		
Metal anchor	kg		 **Hilti HDA**	■	■							■	■		■		
			 **Hilti HSL**	■	■							■			■		
			 **Hilti HSC**	■	■							■			■		
			 **Hilti HST3**	■	■							■			■		
			 **Hilti HSA**	■								■	■	■	■		
			 **Hilti HUS**	■	■			■	■			■			■		
			 **Hilti HKD**	■								■	■		■		
			 **Hilti HKV**	■								■		■			
			 **Hilti HLC**	■					■			■					
			 **Hilti HHD-S**								■	■					
			 **Hilti HA 8**	■								■					
	kg		 **Hilti HSP**								■	■					
Plastic anchor	kg		 **Hilti HRD-C**	■			■	■	■	■	■	■			■		
			 **Hilti HUD-1 /HUD-L**	■			■	■	■	■	■						
			 **Hilti HPS-1**	■			■	■	■	■	■	■		■			
			 **Hilti HTB-2**				■			■	■	■					
	kg		 **Hilti HLD**								■						

*Please contact your Hilti representative to access these local test reports.

Type			Product approval		Remark
Bolt head	External thread	Internal thread		Local test*	
	■	■		✓	
■	■	■		✓	
■	■	■		✓	
■	■	■		✓	
■	■	■			
	■			✓	
■	■			✓	
■	■	■		✓	
	■			✓	
	■			✓	
■				✓	
■		■		✓	
■		■			
■	■			✓	
■					
■		■			
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■				✓	
■					
■		■			
■		■			

European Technical Approval (ETA)

ICC-ES Report

Contributed to LEED

Low VOC content

Approvals for use in contact with drinking water

Factory Mutual (FM)

Deutches Institut fur Bautechnik DIBt (German Institute of Building Technology)

Certified by VdS (German Association of insurers) of use in the installation sprinkler system

Shock approval

Seismic test

Fatigue test

Nuclear power plant approval

HILTI SAFE-SET TECHNOLOGY

A small step for engineers.
And a giant leap forward for your next design.

Now you can design anchor rod and post-installed rebar connections with more confidence. Inadequately cleaning holes during installation can reduce the performance of conventional chemical anchor systems significantly. Hilti SAFE-SET Technology eliminates this factor almost entirely – in both cracked or uncracked concrete and with anchor rods or post-installed rebar.



HIT-RE 500 V3



HIT-HY 200-R



HIT-RE 100

APPLICATIONS

- Post-installed rebar connections forconcrete slab, column or wall extensions
- Heavy-duty anchoring in cracked or uncracked concrete, e.g. for steel beams, colum

WHAT IS SAFE-SET

Hilti SAFE-SET Technology eliminates the most load-affecting and time-consuming step in the installation process: cleaning the hole before injection of the adhesive. As a consequence, engineers can now have peace of mind because the specified application will perform on the jobsite as it has been designed in the plan.

SAFE-SET Application Ranges

Thread rod size / Drill hole dia.	M8 (10mm)	M10 (12mm)	M12 (14mm)	M16 (18mm)	M20 (22mm)	M24 (28mm)	M27 (30mm)	M30 (35mm)
Anchoring								
HIT-HY 200-R, standard drill bit and HIT-Z Rod (zero cleaning)			SAFE-SET					
HIT-HY 200-R, HIT-RE100, HIT-RE 500 V3, Hollow Drill Bits and HAS-E Rod, HAS-U Rod or HIT-V Rod (auto-cleaning)		SAFE-SET						
Rebar								
HIT-HY 200-R, HIT-RE100 , HIT-RE 500 V3, Hollow Drill Bits and rebar (auto-cleaning)			SAFE-SET					
Rebar size / Drill hole dia.	Y8 (12mm)	Y10 (14mm)	Y12 (16mm)	Y16 (20mm)	Y20 (25mm)	Y25 (32mm)	Y32 (40mm)	





INTRODUCING HILTI SAFESET TECHNOLOGY

Once in a blue moon, something comes along with the power to accelerate the way you work.

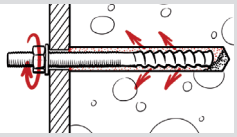
SAFESET

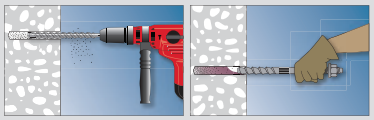
SAFEset is a registered trade mark of Hilti.

1 ZERO CLEANING SOLUTION.
HIT-Z anchor rods + HIT-HY 200-R

The new Hilti HIT-Z anchor rod works as a torque-contolled bonded anchor. Because of their unique shape, HIT-Z anchor rods, used in hammer-drilled holes in dry or water-saturated concrete above 5°C, are not affected by uncleaned holes. The benefits are clear: fewer steps and more productivity in anchoring applications.







Hilti SAFESET Technology
Up to 60% faster!



Drill → Done → Productivity gain

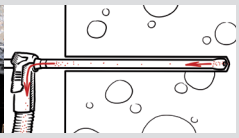
Anchor diameter range	M8 to M20
Material	Carbon or stainless steel (A4)
Embedment depth	Up to 12 times rod diameter
Concrete compressive strengths	C20/25 to C50/60
Installation temperature range	5°C to 40°C

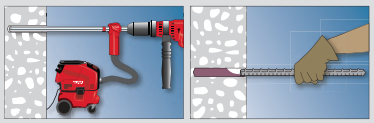


2 AUTO-CLEANING SOLUTION.
Hollow drill bits + HIT-HY 200-R / HIT-RE 100 / HIT-RE 500 V3

Hilti TE-CD and TE-YD hollow drill bits, in conjunction with HIT-HY 200-R, HIT-RE 100 or HIT-RE 500 V3, make subsequent hole cleaning completely unnecessary. Dust is removed by the Hilti vacuum system while drilling is in progress for faster drilling and a virtually dustless working environment.







Hilti SAFESET Technology
Up to 60% faster!



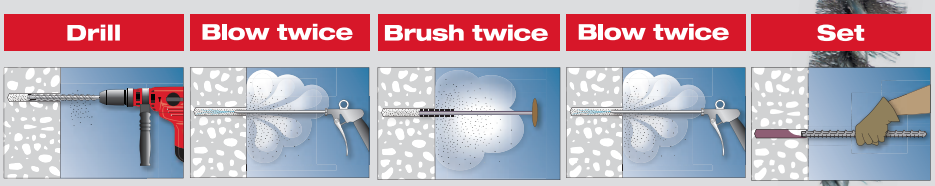
Drill → Done → Productivity gain

Rebar diameter range	Y8 to Y25
Threaded rod diameters	M10 to M30
Embedment depth	Up to 1000 mm
Concrete compressive strengths	C20/25 to C50/60
Installation temperature range	-10°C to 40°C



3 CONVENTIONAL SOLUTION.
Brush and blow

Another option is to continue using the traditional hole cleaning method with any Hilti HIT system for superior performance.



*Cleaning Sequence when using manual dust pump are : blow twice , brush twice , blow twice.

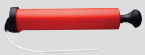
Drill → 2x → 2x → 2x → Done



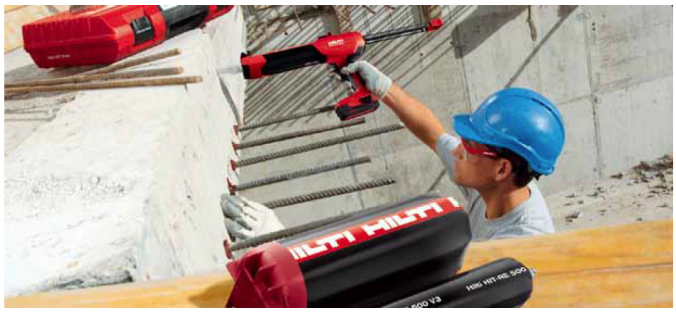
Rebar diameter range	Y8 to Y40
Threaded rod diameters	M8 to M39
Embedment depth	Up to 20 times element diameter
Concrete compressive strengths	C20/25 to C50/60
Installation temperature range	-10°C to 40°C



SUMMARY TABLE FOR CHEMICAL ANCHORS

	HIT-HY 200-R	HIT-RE 500 V3	HIT-RE 100	HIT-HY 270	HVU2
HIT-Z 	■				
HIT-V 	■	■	■	■	
HAS 					■
HAS-E 			■		■
HAS-U 					
HIS-N	■	■	■	■	■
Setting tool TE-C 					■
Setting tool HIS-S 					■
Mixer HIT-RE-M	■	■	■	■	
Profi accessories for HIT 	■	■	■	■	
HIT-SC 				■	
CR Cartridge holder 	■				
CB Cartridge holder 		■	■	■	
HDM/HDE Dispenser 	■	■	■	■	
TE-CD/YD Hollow drill bit 	■	■	■		
VC 20/40 Vacuum cleaner 	■	■	■		
Setting tool TE-C-E/ TE-Y-E 					■
Blow-out pump 	■	■	■	■	■
Steel brush 	■	■	■	■	■

Injectable mortar HIT-RE 500 V3 NEW







BASE MATERIALS

- Concrete (cracked)
- Concrete (uncracked)
- Some types of natural stone

APPLICATIONS

- Structural connections with post-installed rebar (e.g. extension / connection to walls, slabs, stairs, columns, foundations, etc.)
- Substitution of misplaced / missing rebars or couplers
- Anchoring structural steel connections (e.g. steel columns, beams, etc.)
- Anchoring crash barriers, noise barriers, etc.
- Structural renovation of buildings, bridges and other civil structures, retrofitting and re-strengthening of concrete members possible

ADVANTAGES

- The fastest-curing epoxy mortar on the market
- Long working time allows greater flexibility during installation
- Also suitable for water-filled holes and underwater applications

Approvals	
ETA	ETA 16/0142 HIT-RE 500 V3 injection mortar rebar_en
	ETA 16/0143 HIT-RE 500 V3 injection mortar 04/2016_en

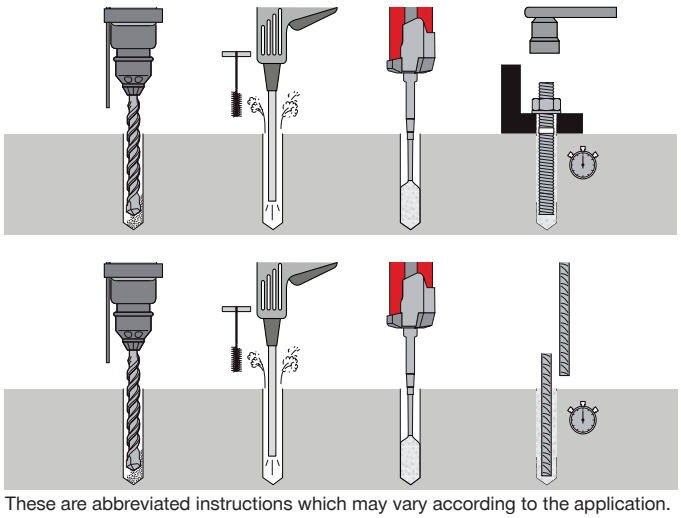
Approvals and test reports may apply to selected products only. Please refer to the documents for details.

Technical data	
Material composition	Epoxy Adhesive
Base material condition	Dry, submerged, water-filled, wet
Tested/approved for diamond drilling	Yes
Seismic	Yes
Compatible cartridge holder	CB (Black)
Additional product information	Always wear eye protection and gloves while handling

Curing time

Temperature in the base material T [°C]	Maximum working time twork [h]	Minimum curing time tcure [h]
-5 to -1	2	168
0 to 4	2	48
5 to 9	2	24
10 to 14	1.5	16
15 to 19	1	16
20 to 24	0.5	7
25 to 29	20 min	6
30 to 34	15 min	5
35 to 39	12 min	4.5
40	10 min	4

[1] The curing time data are vaild for dry base material only. In wet base material the curing times must be doubled.



These are abbreviated instructions which may vary according to the application.

Ordering designation	Content per can/cartridge	Package contents	Sales pack quantity	Item number
HIT-RE 500 V3/500/1	500 ml	1x Foil pack, 1x Mixer, 1x Mixer extension	1 pc	**2123406**[1]

[1] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Injectable mortar HIT-HY 200-R





BASE MATERIALS

- Concrete (cracked)
- Concrete (uncracked)



APPLICATIONS

- Anchoring secondary steel structures (e.g. racking, guard rails, sound barriers)
- Anchoring structural steel connections (e.g. steel columns, beams)
- Seismic strengthening / retrofitting and bracing of reinforced concrete buildings
- Substitution of misplaced / missing rebars
- Anchoring safety barriers, balustrades, fire staircases
- Structural splices / straight connections with post-installed rebars

ADVANTAGES

- No hole cleaning required with the revolutionary new Hilti HIT-Z anchor rod
- Automatic hole cleaning with TE-CD and TE-YD drill bits in combination with Hilti vacuum cleaners
- Fulfills the requirements of the most demanding ICC-ES and ETA C2 approvals for seismic applications
- Post-installed rebars perform like cast-in connections

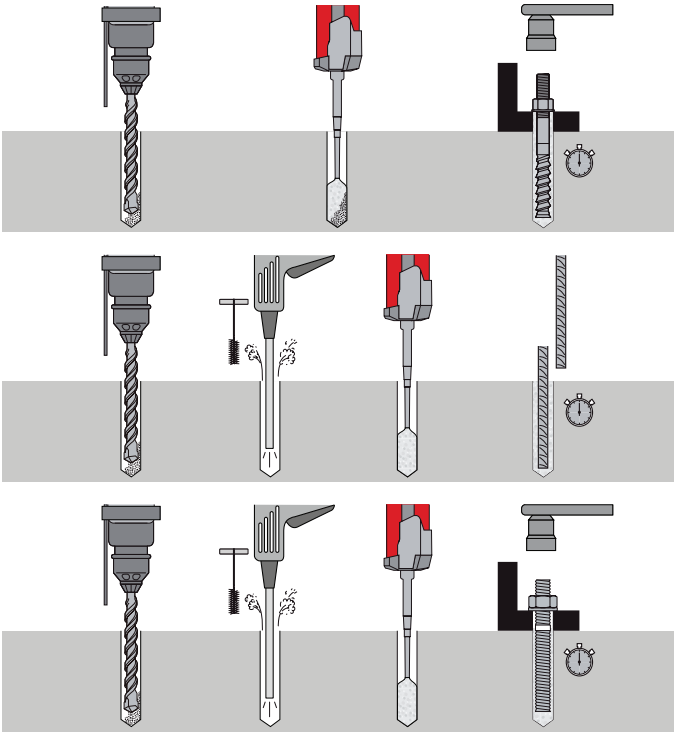
Technical data

Material composition	Hybrid urethane methacrylate adhesive
Base material condition	Dry, wet
Tested/approved for diamond drilling	Yes (for HIT-Z), No (for HIT-V & Rebar)
Seismic	Yes
Compatible cartridge holder	CR (Red)
Additional product information	Always wear eye protection and gloves while handling

Curing time

Temperature in the base material T [°C]	Maximum working time twork [min]	Minimum curing time tcure [h]
5	60	4
6 to 10	40	2.5
11 to 20	15	1.5
21 to 30	9	1
31 to 40	6	1

[1] The curing time data are vaild for dry base material only. In wet base material the curing times must be doubled.



These are abbreviated instructions which may vary according to the application.

Order Now Watch Video

Technical data

Recommended load (kN), non-cracked concrete at 25N/mm², safety factor (γ) =3

Model	Size	M8	M10	M12	M16	M20
HIT-HY 200 R + HIT-Z	Tensile Load, Nrec	8.0	12.7	18.1	29.4	40.7
	Shear Load, Vrec	4.0	6.3	9.0	16.0	24.3

Recommended load (kN), cracked concrete at 25N/mm², safety factor (γ) =3

Model	Size	M8	M10	M12	M16	M20
HIT-HY 200 R + HIT-Z	Tensile Load, Nrec	7.0	10.2	13.8	20.9	29.0
	Shear Load, Vrec	4.0	6.3	9.0	16.0	24.3

Remarks:
1) All the data applies to no edge distance, spacing and other influences 2) For detail design method please refer to Fastening Technology Manual *) HY 200 with the use of HIT-Z/HIT-Z-R has shock approved

Ordering designation	Package contents	Sales pack quantity	Item number
HIT-HY 200-R 330/2/EE	1x Foil pack, 2x Mixer, 1x Mixer extension	1 pc	2045036
HIT-HY 200-R 500/2/EE	1x Foil pack, 2x Mixer, 1x Mixer extension	1 pc	2045032

Please visit Hilti website for the latest item numbers and related products

Hilti online: www.hilti.com.hk

Injectable mortar Hilti HIT-RE 100 NEW







BASE MATERIALS

- Concrete (uncracked)

APPLICATIONS

- Structural connections with post-installed rebar (e.g. extension/ connection to walls, slabs, stairs, columns, foundations, etc.)
- Anchoring structural steel connections (e.g. steel columns, beams, etc.)
- Suitable for underwater applications in hammer-drilled holes

ADVANTAGES

- European Technical Approval covering automatic cleaning of holes drilled using TE-CD or TE-YD drill bits and Hilti vacuum cleaners
- Especially suitable for large-diameter elements and/or deep embedment depths
- Virtually odourless, hence pleasant to work with

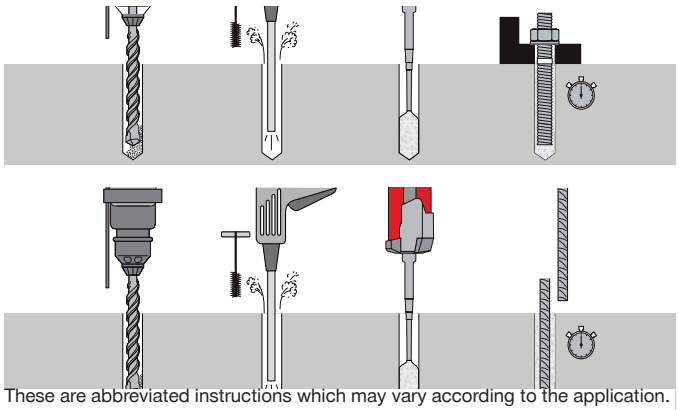
Technical data	
Material composition	Epoxy Adhesive
Base material condition	Dry, submerged, water-filled, wet
Tested/approved for diamond drilling	Yes
Seismic	No
Compatible cartridge holder	CB (Black)
Additional product information	Always wear eye protection and gloves while handling

Curing time

Temperature in the base material T [°C]	Maximum working time t_{work} [min]	Minimum curing time t_{cure} [h]
-5 to 9	120	72
10 to 14	90	48
15 to 19	30	24
20 to 24	25	12
25 to 29	20	10
30 to 39	12	8
40	12	4

Approvals	
ETA	ETA-15/0882 for HIT-RE 100 injection mortar for anchoring applications (ETAG 001-05, Option 7)
	ETA-15/0883 for HIT-RE 100 injection mortar for rebar (ETAG 001-5, Option 1)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



These are abbreviated instructions which may vary according to the application.

Order Now

Ordering designation	Package contents	Sales pack quantity	Item number
HIT-RE 100/500/1 INT	1x Foil pack, 1x Mixer, 1x Mixer extension	1 pc	**2123386**

Please visit Hilti website for the latest item numbers and related products

Injectable mortar HIT-HY 270





BASE MATERIALS

- Concrete (aerated)
- Masonry (hollow)
- Masonry (solid)

APPLICATIONS

- Fastenings in hollow and solid masonry
- Refurbishment and renovation
- Facade tie-backs to masonry structural walls
- Structural strengthening of old masonry walls
- Heavy bracing of items such as sun shades installed on insulated surfaces

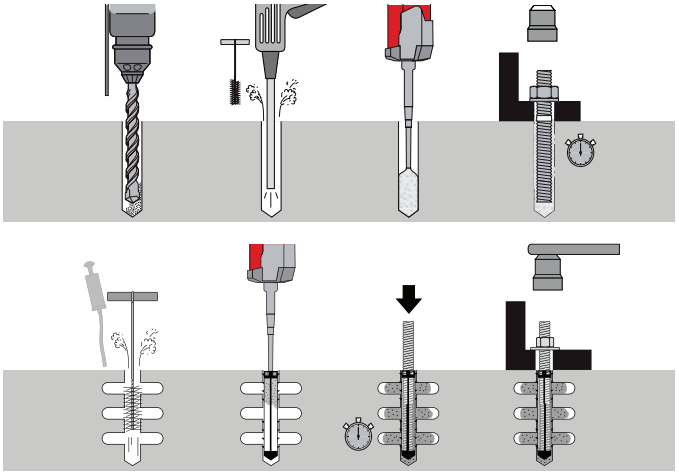
ADVANTAGES

- Makes strong, reliable and easily installed fastenings in a variety of masonry base materials
- Suitable for indoor and outdoor applications as well as use in dry and wet hole conditions
- HIT-SC composite sleeves offer greater flexibility through use of multiple sleeve combinations and also minimize mortar wastage by allowing more accurate dosing in hollow base materials
- Fastenings in masonry can be designed using the new masonry design software which is part of PROFIS Anchor
- ETA approval for use in masonry plus technical data that allows high application flexibility
- Performs reliably, even when the size and location of bricks and voids are unknown



Approvals	
ETA	ETA-13-1036-for-HIT-HY-270-injection-mortar-for-anchoring-in-masonry

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



These are abbreviated instructions which may vary according to the application.

Technical data	
Cleaning procedures	Compressed-air cleaning, Manual cleaning
SAFEset	No
Anchoring elements	HIT-IC internally-threaded rods, HIT-SC mesh sleeves, HIT-S mesh sleeves, HIT-V threaded rods
Approvals / test reports	ETA, Fire
Fire resistance	Yes
PROFIS software	Yes

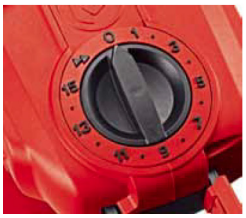
Ordering designation	Package contents	Sales pack quantity	Item number
HIT-HY 270 330/2	1x Foil pack, 2x Mixer, 1x Mixer extension	1 pc	**2095982**
HIT-HY 270 500/2	1x Foil pack, 2x Mixer, 1x Mixer extension	1 pc	**2095983**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Dispenser HDE 500-A22







APPLICATIONS

- Injection of Hilti HIT adhesive mortar for fastening anchor rods and rebars in concrete and masonry
- An addition to Hilti's 22V cordless tool platform
- Serial fastenings and/or injection in deep holes

ADVANTAGES

- Dose adjustment knob for accurate and controlled dispensing
- Fast, easy foil pack loading
- The HDE 500-A22 can dispense up to 130 Hilti HIT adhesive artridges (500 ml) on a single battery charge with a B22 3.3Ah battery or 60 cartridges with a compact 1.6Ah battery

Technical data	
Power source type	Compact B22/2.6 or B22/5.2 battery pack
Dispenser type	Battery
Performance (at 20°C)	55 sec (RE100 500 ml)
3.3 Ah Battery capacity	100 cartridges (500 ml)
Dimension (L x W x H)	436 mm x 120 mm x 221 mm
Modes available	Off / continuous / measured volume dispensing with settings 1 to 15
Dispensing volume per trigger pull	6 ml

iF product design award 2013

reddot design award winner 2013

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Ordering designation	Content per can/cartridge	Sales pack quantity	Item number
HDE500 A22 +CB holder set (Advanced)	1x Dispenser HDE 500-A22,1x Cartridge holder CB, 1x Pump, 3x steel brush, 1x brush handle, 1x Hilti case	1 pc	**3592754**
HDE500 A22 +CR holder set (Advanced)	1x Dispenser HDE 500-A22,1x Cartridge holder CR, 1x Pump, 3x steel brush, 1x brush handle, 1x Hilti case	1 pc	**3592755**
HDE500 A22 +CB holder set (Basic)	1x Dispenser HDE 500-A22,1x Cartridge holder CB, 1x Hilti case	1 pc	**3612182**
HDE500 A22 +CR holder set (Basic)	1x Dispenser HDE 500-A22,1x Cartridge holder CR, 1x Hilti case	1 pc	**3612214**
Battery pack B 22/2.6 Li-Ion	-	1 pc	**2136393**
Battery pack B 22/5.2 Li-Ion	-	1 pc	**2136396**
Battery standard charger C 4/36-90 230V	-	1 pc	**2015762**

Please visit Hilti website for the latest item numbers and related products

Foil capsule adhesive anchor HVU2





BASE MATERIALS

- Concrete (cracked)
- Concrete (uncracked)

APPLICATIONS

- Anchoring steel structures (e.g. racking, guard rails, fences and gates)
- Anchoring items along roads and in tunnels (e.g. crash and noise barriers, overhead catenary systems)
- Anchoring in industry (e.g. machinery, elevators, cranes and industrial equipment)
- Anchoring at the edge of slabs or on narrow supports (e.g. beams, balconies)

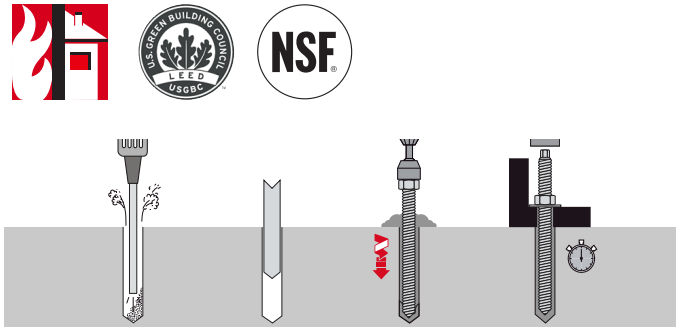
ADVANTAGES

- High performance in cracked and uncracked concrete
- Tough and resilient soft foil capsule – no more risk of breakage, like with glass capsules
- Each capsule contains exactly the right amount of resin, for maximum efficiency and economy – no wastage and no need for complex calculations
- Suitable for use under tough jobsite conditions including watersaturated holes and at low temperatures, even in diamond-cored holes
- Automatic hole cleaning (SafeSet) with TE-CD and TE-YD drill bits in combination with a Hilti vacuum cleaner
- Anchors can be loaded almost instantly – only 5 minutes curing time at 20°C and above



Approvals	
ETA	ETA-18/0185 HVU2 bonded fastener for use in concrete

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



These are abbreviated instructions which may vary according to the application.

Technical data	
Material composition	Epoxy methacrylate
Material, corrosion	Stainless steel, HCR (high corrosion resistance), Carbon steel, HDG (hotdip galvanised)/sherardised, Stainless steel, A2, Carbon steel, zinc-plated
Tested/approved for diamond drilling	Yes

Curing time[1)]

Base material temperature [°C]	Curing time t_{cure} [min]
0-4	40
5-9	20
10 to 19	10
20 to 40	5

[1)] The curing time data are vaild for dry base material only. In wet base material the curing times must be doubled.

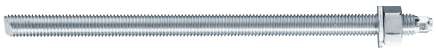
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Ordering designation	Drill bit diameter	Standard embedment depth	Anchor size	Sales pack quantity	Item number
HVU2 M8x80	10 mm	80 mm	8 mm	20 pcs	**2164505**
HVU2 M10x90	12 mm	90 mm	10 mm	20 pcs	**2164506**
HVU2 M12x110	14 mm	110 mm	12 mm	20 pcs	**2164507**
HVU2 M16x125	18 mm	125 mm	16 mm	20 pcs	**2164508**
HVU2 M20x170	22 mm	170 mm	20 mm	10 pcs	**2164509**
HVU2 M24x210	28 mm	210 mm	24 mm	5 pcs	**2164560**
HVU2 M27x240	30 mm	240 mm	27 mm	4 pcs	**2164561**[1)]
HVU2 M30x270	35 mm	270 mm	30 mm	4 pcs	**2164562**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Anchor rod HAS-U 5.8 (Galvanized, grade 5.8)



Approvals	
ETA	ETA 15/0882 for HIT-RE 100 injection mortar for anchoring applications (ETAG 001-05, Option 7)
ETA, seismic	ETA 16/0143 for HIT-RE 500V3 injection mortar for anchoring applications (ETAG 001-05, Option 7)
	ETA 12/0084 for HIT-HY 200-R injection mortar and standard element for anchoring applications (ETAG 001-05, Option 1)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.

Technical data	
Head configuration	Externally threaded
Material composition	Steel, 5.8 grade, zinc-plated (min. 5µm)
Material, corrosion	Steel, zinc-plated

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Ordering designation	Anchor size	Anchor length	Drill bit diameter	Base plate clearance hole	Sales pack quantity	Item number
HAS-U 5.8 M6x75	M6	75mm	8mm	7mm	20pc	**2223936**[1)]
HAS-U 5.8 M6x105	M6	105mm	8mm	7mm	20pc	**2223704**[1)]
HAS-U 5.8 M8x80	M8	80mm	10mm	9mm	20pc	**2223852**[1)]
HAS-U 5.8 M8x110	M8	110mm	10mm	9mm	20pc	**2223853**
HAS-U 5.8 M8x150	M8	150mm	10mm	9mm	20pc	**2223854**[1)]
HAS-U 5.8 M10x95	M10	95mm	12mm	12mm	20pc	**2223705**[1)]
HAS-U 5.8 M10x115	M10	115mm	12mm	12mm	20pc	**2223706**[1)]
HAS-U 5.8 M10x130	M10	130mm	12mm	12mm	20pc	**2223707**
HAS-U 5.8 M10x170	M10	170mm	12mm	12mm	20pc	**2223709**[1)]
HAS-U 5.8 M10x190	M10	190mm	12mm	12mm	20pc	**2223820**[1)]
HAS-U 5.8 M12x110	M12	110mm	14mm	14mm	20pc	**2223821**[1)]
HAS-U 5.8 M12x120	M12	120mm	14mm	14mm	20pc	**2223822**[1)]
HAS-U 5.8 M12x160	M12	160mm	14mm	14mm	20pc	**2223823**
HAS-U 5.8 M12x180	M12	180mm	14mm	14mm	20pc	**2223825**[1)]
HAS-U 5.8 M12x200	M12	200mm	14mm	14mm	20pc	**2223826**[1)]
HAS-U 5.8 M12x220	M12	220mm	14mm	14mm	20pc	**2223827**[1)]
HAS-U 5.8 M12x260	M12	260mm	14mm	14mm	20pc	**2223867**[1)]
HAS-U 5.8 M12x300	M12	300mm	14mm	14mm	20pc	**2223868**[1)]
HAS-U 5.8 M16x150	M16	150mm	18mm	18mm	20pc	**2223828**[1)]
HAS-U 5.8 M16x165	M16	165mm	18mm	18mm	20pc	**2223829**[1)]
HAS-U 5.8 M16x190	M16	190mm	18mm	18mm	20pc	**2223830**
HAS-U 5.8 M16x220	M16	220mm	18mm	18mm	10pc	**2223869**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Ordering designation	Anchor size	Anchor length	Drill bit diameter	Base plate clearance hole	Sales pack quantity	Item number
HAS-U 5.8 M16x260	M16	260mm	18mm	18mm	10pc	**2223832**[1)]
HAS-U 5.8 M16x300	M16	300mm	18mm	18mm	10pc	**2223870**
HAS-U 5.8 M16x350	M16	350mm	18mm	18mm	10pc	**2223871**[1)]
HAS-U 5.8 M16x500	M16	500mm	18mm	18mm	10pc	**2223872**[1)]
HAS-U 5.8 M20x180	M20	180mm	22mm	22mm	10pc	**2223873**[1)]
HAS-U 5.8 M20x240	M20	240mm	22mm	22mm	10pc	**2223874**
HAS-U 5.8 M20x260	M20	260mm	22mm	22mm	10pc	**2223876**
HAS-U 5.8 M20x300	M20	300mm	22mm	22mm	10pc	**2223877**[1)]
HAS-U 5.8 M20x350	M20	350mm	22mm	22mm	10pc	**2223878**[1)]
HAS-U 5.8 M20x400	M20	400mm	22mm	22mm	10pc	**2223879**[1)]
HAS-U 5.8 M20x480	M20	480mm	22mm	22mm	10pc	**2223880**
HAS-U 5.8 M24x300	M24	300mm	28mm	26mm	5pc	**2223881**
HAS-U 5.8 M24x450	M24	450mm	28mm	26mm	5pc	**2223882**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

HAS-U 5.8 HDG



Approvals	
ETA	ETA 15/0882 for HIT-RE 100 injection mortar for anchoring applications (ETAG 001-05, Option 7)
ETA, seismic	ETA 16/0143 for HIT-RE 500V3 injection mortar for anchoring applications (ETAG 001-05, Option 7)
	ETA 12/0084 for HIT-HY 200-R injection mortar and standard element for anchoring applications (ETAG 001-05, Option 1)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.

Technical data	
Head configuration	Externally threaded
Material composition	Steel, 5.8 grade, zinc-plated (min. 43µm)
Material, corrosion	Steel, zinc-plated

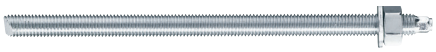
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Ordering designation	Anchor size	Anchor length	Drill bit diameter	Base plate clearance hole	Sales pack quantity	Item number
HAS-U 5.8 HDG M8x80	M8	80mm	10mm	9mm	20pc	**2223856**[1)]
HAS-U 5.8 HDG M8x110	M8	110mm	10mm	9mm	20pc	**2223857**[1)]
HAS-U 5.8 HDG M8x150	M18	150mm	10mm	9mm	20pc	**2223858**[1)]
HAS-U 5.8 HDG M10x95	M10	95mm	12mm	12mm	20pc	**2223859**[1)]
HAS-U 5.8 HDG M10x115	M10	115mm	12mm	12mm	20pc	**2223860**[1)]
HAS-U 5.8 HDG M10x130	M10	130mm	12mm	12mm	20pc	**2223861**[1)]
HAS-U 5.8 HDG M10x170	M10	170mm	12mm	12mm	20pc	**2223862**[1)]
HAS-U 5.8 HDG M10x190	M10	190mm	12mm	12mm	20pc	**2223863**[1)]
HAS-U 5.8 HDG M12x110	M12	110mm	14mm	14mm	20pc	**2223937**[1)]
HAS-U 5.8 HDG M12x120	M12	120mm	14mm	14mm	20pc	**2223938**[1)]
HAS-U 5.8 HDG M12x160	M12	160mm	14mm	14mm	20pc	**2223939**[1)]
HAS-U 5.8 HDG M12x180	M12	180mm	14mm	14mm	20pc	**2223940**[1)]
HAS-U 5.8 HDG M12x200	M12	200mm	14mm	14mm	20pc	**2223941**[1)]
HAS-U 5.8 HDG M12x220	M12	220mm	14mm	14mm	20pc	**2223942**[1)]
HAS-U 5.8 HDG M12x260	M12	260mm	14mm	14mm	20pc	**2223895**[1)]
HAS-U 5.8 HDG M12x300	M12	300mm	14mm	14mm	20pc	**2223896**[1)]
HAS-U 5.8 HDG M16x150	M16	150mm	18mm	18mm	20pc	**2223943**[1)]
HAS-U 5.8 HDG M16x165	M16	165mm	18mm	18mm	20pc	**2223944**[1)]
HAS-U 5.8 HDG M16x190	M16	190mm	18mm	18mm	20pc	**2223945**[1)]
HAS-U 5.8 HDG M16x220	M16	220mm	18mm	18mm	10pc	**2223946**[1)]
HAS-U 5.8 HDG M16x260	M16	260mm	18mm	18mm	10pc	**2223897**[1)]
HAS-U 5.8 HDG M16x300	M16	300mm	18mm	18mm	10pc	**2223898**[1)]
HAS-U 5.8 HDG M16x350	M16	350mm	18mm	18mm	10pc	**2223899**[1)]
HAS-U 5.8 HDG M16x500	M16	500mm	18mm	18mm	10pc	**2223900**[1)]
HAS-U 5.8 HDG M20x180	M20	180mm	22mm	22mm	10pc	**2223901**[1)]
HAS-U 5.8 HDG M20x240	M20	240mm	22mm	22mm	10pc	**2223902**[1)]
HAS-U 5.8 HDG M20x260	M20	260mm	22mm	22mm	10pc	**2223903**[1)]
HAS-U 5.8 HDG M20x300	M20	300mm	22mm	22mm	10pc	**2223904**[1)]
HAS-U 5.8 HDG M20x350	M20	350mm	22mm	22mm	10pc	**2223905**[1)]
HAS-U 5.8 HDG M20x400	M20	400mm	22mm	22mm	10pc	**2223906**[1)]
HAS-U 5.8 HDG M20x480	M20	480mm	22mm	22mm	10pc	**2223907**[1)]
HAS-U 5.8 HDG M24x300	M24	300mm	28mm	26mm	5pc	**2223908**[1)]
HAS-U 5.8 HDG M24x450	M24	450mm	28mm	26mm	5pc	**2223909**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Anchor rod HAS-U 8.8 (Galvanized, grade 8.8)



Approvals	
ETA	ETA 15/0882 for HIT-RE 100 injection mortar for anchoring applications (ETAG 001-05, Option 7)
ETA, seismic	ETA 16/0143 for HIT-RE 500V3 injection mortar for anchoring applications (ETAG 001-05, Option 7)
	ETA 12/0084 for HIT-HY 200-R injection mortar and standard element for anchoring applications (ETAG 001-05, Option 1)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.

Technical data	
Head configuration	Externally threaded
Material composition	Steel, 8.8 grade, zinc-plated (min. 5µm)
Material, corrosion	Steel, zinc-plated

Order Now

Ordering designation	Anchor size	Anchor length	Drill bit diameter	Base plate clearance hole	Sales pack quantity	Item number
HAS-U 8.8 M8x150	M8	150mm	10mm	9mm	20pc	**2223855**[1)]
HAS-U 8.8 M10x190	M10	190mm	12mm	12mm	20pc	**2223833**
HAS-U 8.8 M12x220	M12	220mm	14mm	14mm	20pc	**2223834**
HAS-U 8.8 M12x300	M12	300mm	14mm	14mm	20pc	**2223883**
HAS-U 8.8 M16x190	M16	190mm	18mm	18mm	20pc	**2223835**[1)]
HAS-U 8.8 M16x300	M16	300mm	18mm	18mm	10pc	**2223884**[1)]
HAS-U 8.8 M16x380	M16	380mm	18mm	18mm	10pc	**2223885**
HAS-U 8.8 M20x180	M20	180mm	22mm	22mm	10pc	**2223886**[1)]
HAS-U 8.8 M20x260	M20	260mm	22mm	22mm	10pc	**2223887**[1)]
HAS-U 8.8 M20x400	M20	400mm	22mm	22mm	10pc	**2223888**[1)]
HAS-U 8.8 M24x300	M24	300mm	28mm	26mm	5pc	**2223889**[1)]
HAS-U 8.8 M27x340	M27	340mm	30mm	30mm	5pc	**2223890**[1)]
HAS-U 8.8 M30x380	M30	380mm	35mm	33mm	5pc	**2223891**[1)]
HAS-U 8.8 M33x420	M33	420mm	37mm	36mm	5pc	**2223892**[1)]
HAS-U 8.8 M36x460	M36	460mm	40mm	39mm	5pc	**2223893**[1)]
HAS-U 8.8 M39x510	M39	510mm	42mm	42mm	5pc	**2223894**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

HAS-U 8.8 HDG



Approvals	
ETA	ETA 15/0882 for HIT-RE 100 injection mortar for anchoring applications (ETAG 001-05, Option 7)
ETA, seismic	ETA 16/0143 for HIT-RE 500V3 injection mortar for anchoring applications (ETAG 001-05, Option 7)
	ETA 12/0084 for HIT-HY 200-R injection mortar and standard element for anchoring applications (ETAG 001-05, Option 1)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.

Technical data	
Head configuration	Externally threaded
Material composition	Steel, 8.8 grade, zinc-plated (min. 43µm)
Material, corrosion	Steel, zinc-plated

Order Now

Ordering designation	Anchor size	Anchor length	Drill bit diameter	Base plate clearance hole	Sales pack quantity	Item number
HAS-U 8.8 HDG M8x150	M8	150mm	10mm	9mm	20pc	**2223947**[1)]
HAS-U 8.8 HDG M10x190	M10	190mm	12mm	12mm	20pc	**2223948**[1)]
HAS-U 8.8 HDG M12x220	M12	220mm	14mm	14mm	20pc	**2223949**[1)]
HAS-U 8.8 HDG M12x300	M12	300mm	14mm	14mm	20pc	**2223910**[1)]
HAS-U 8.8 HDG M16x190	M16	190mm	18mm	18mm	20pc	**2223703**[1)]
HAS-U 8.8 HDG M16x300	M16	300mm	18mm	18mm	10pc	**2223911**[1)]
HAS-U 8.8 HDG M16x380	M16	380mm	18mm	18mm	10pc	**2223912**[1)]
HAS-U 8.8 HDG M20x180	M20	180mm	22mm	22mm	10pc	**2223913**[1)]
HAS-U 8.8 HDG M20x260	M20	260mm	22mm	22mm	10pc	**2223914**[1)]
HAS-U 8.8 HDG M20x400	M20	400mm	22mm	22mm	10pc	**2223915**[1)]
HAS-U 8.8 HDG M24x300	M24	300mm	28mm	26mm	5pc	**2223916**[1)]
HAS-U 8.8 HDG M27x340	M27	340mm	30mm	30mm	5pc	**2223917**[1)]
HAS-U 8.8 HDG M30x380	M30	380mm	35mm	33mm	5pc	**2223918**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Anchor rod HAS-U (A4 stainless steel)



Approvals	
ETA	ETA 15/0882 for HIT-RE 100 injection mortar for anchoring applications (ETAG 001-05, Option 7)
ETA, seismic	ETA 16/0143 for HIT-RE 500V3 injection mortar for anchoring applications (ETAG 001-05, Option 7)
	ETA 12/0084 for HIT-HY 200-R injection mortar and standard element for anchoring applications (ETAG 001-05, Option 1)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.

Technical data	
Head configuration	Externally threaded
Material composition	Steel, A4 (SS316)
Material, corrosion	Steel, stainless

Order Now

Ordering designation	Anchor size	Anchor length	Drill bit diameter	Base plate clearance hole	Sales pack quantity	Item number
HAS-U A4 M8x80	M8	80mm	10mm	9mm	20pc	**2223864**
HAS-U A4 M8x110	M8	110mm	10mm	9mm	20pc	**2223865**
HAS-U A4 M8x150	M8	150mm	10mm	9mm	20pc	**2223866**
HAS-U A4 M10x95	M10	95mm	12mm	9mm	20pc	**2223836**
HAS-U A4 M10x115	M10	115mm	12mm	12mm	20pc	**2223837**[1)]
HAS-U A4 M10x130	M10	130mm	12mm	12mm	20pc	**2223838**
HAS-U A4 M10x170	M10	170mm	12mm	12mm	20pc	**2223839**[1)]
HAS-U A4 M10x190	M10	190mm	12mm	12mm	20pc	**2223840**
HAS-U A4 M10x220	M10	220mm	12mm	12mm	20pc	**2223841**[1)]
HAS-U A4 M12x110	M12	110mm	14mm	14mm	20pc	**2223842**[1)]
HAS-U A4 M12x120	M12	120mm	14mm	14mm	20pc	**2223843**[1)]
HAS-U A4 M12x160	M12	160mm	14mm	14mm	20pc	**2223844**
HAS-U A4 M12x180	M12	180mm	14mm	14mm	20pc	**2223845**[1)]
HAS-U A4 M12x200	M12	200mm	14mm	14mm	20pc	**2223846**[1)]
HAS-U A4 M12x220	M12	220mm	14mm	14mm	20pc	**2223847**
HAS-U A4 M12x260	M12	260mm	14mm	14mm	20pc	**2223919**[1)]
HAS-U A4 M12x300	M12	300mm	14mm	14mm	20pc	**2223920**
HAS-U A4 M16x150	M16	150mm	18mm	18mm	20pc	**2223848**[1)]
HAS-U A4 M16x165	M16	165mm	18mm	18mm	20pc	**2223849**[1)]
HAS-U A4 M16x190	M16	190mm	18mm	18mm	20pc	**2223850**
HAS-U A4 M16x220	M16	220mm	18mm	18mm	20pc	**2223851**
HAS-U A4 M16x260	M16	260mm	18mm	18mm	10pc	**2223921**[1)]
HAS-U A4 M16x300	M16	300mm	18mm	18mm	10pc	**2223922**[1)]
HAS-U A4 M16x350	M16	350mm	18mm	18mm	10pc	**2223923**[1)]
HAS-U A4 M16x380	M16	380mm	18mm	18mm	10pc	**2223924**
HAS-U A4 M20x180	M20	180mm	22mm	22mm	10pc	**2223925**[1)]
HAS-U A4 M20x240	M20	240mm	22mm	22mm	10pc	**2223926**
HAS-U A4 M20x260	M20	260mm	22mm	22mm	10pc	**2223927**
HAS-U A4 M20x300	M20	300mm	22mm	22mm	10pc	**2223928**[1)]
HAS-U A4 M20x350	M20	350mm	22mm	22mm	10pc	**2223929**[1)]
HAS-U A4 M20x400	M20	400mm	22mm	22mm	10pc	**2223930**[1)]
HAS-U A4 M20x480	M20	480mm	22mm	22mm	10pc	**2223931**
HAS-U A4 M24x300	M24	300mm	28mm	26mm	5pc	**2223932**
HAS-U A4 M24x450	M24	450mm	28mm	26mm	5pc	**2223933**[1)]
HAS-U A4 M27x340	M27	340mm	30mm	30mm	5pc	**2223934**[1)]
HAS-U A4 M30x380	M30	380mm	35mm	33mm	5pc	**2223935**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Anchor rod HAS-E-R (A4 stainless steel)



Approvals	
ETA	ETA 04/0027 for HIT-RE 500 injection mortar for anchoring applications (ETAG 001-05, Option 7)
	ETA 05/0255 for HVU adhesive capsules (ETAG 001-05, Option 7)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.

Technical data	
Head configuration	Externally threaded
Material composition	Steel, A4 (SS316)
Material, corrosion	Steel, stainless

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Ordering designation	Anchor size	Dill bit diameter	Drilling depth	Max. fixture thickness at standard embedment depth	Base plate clearance hole	Sales pack quantity	Item number
HAS-E-R M8x80/114	M8	10 mm	80 mm	14 mm	9mm	10 pc	**333121**[1)]
HAS-E-R M33x300/80	M33	37 mm	300 mm	80 mm	36 mm	4 pc	**333140**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Anchor rod HAS-E-HCR (High corrosion resistance)



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Approvals	
ETA	ETA 04/0027 for HIT-RE 500 injection mortar for anchoring applications (ETAG 001-05, Option 7)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.

Technical data	
Head configuration	Externally threaded
Material composition	Steel, high corrosion resistant (HCR)
Material, corrosion	Steel, high corrosion resistant (HCR)

Ordering designation	Anchor size	Dill bit diameter	Drilling depth	Max. fixture thickness at standard embedment depth	Base plate clearance hole	Sales pack quantity	Item number
HAS-E-HCR M12X110/28	M12	14 mm	110 mm	28 mm	14 mm	10 pc	**229506**[1)]
HAS-E-HCR M16X125/38	M16	18 mm	125 mm	38 mm	18 mm	5 pc	**229507**[1)]
HAS-E-HCR M20X170/48	M20	22 mm	170 mm	48 mm	22 mm	5 pc	**229508**[1)]
HAS-E-HCR M24X210/54	M24	26 mm	210 mm	54 mm	26 mm	5 pc	**229510**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Internally threaded sleeve HIS-N (Galvanized, grade 5.8)



Approvals	
ETA	ETA 04/0027 for HIT-RE 500 injection mortar for anchoring applications (ETAG 001-05, Option 7)
ETA, seismic	ETA 04/0027 for HIT-RE 500 V3 injection mortar for anchoring applications (ETAG 001-05, Option 7)
	ETA 12/0084 for HIT-HY 200-R injection mortar and standard element for anchoring applications (ETAG 001-05, Option 1)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.

Technical data	
Head configuration	Inner thread
Material composition	Steel, 5.8 grade, zinc-plated (min. 5 µm)
Material, corrosion	Steel, zinc-plated
Anchor type	Internally threaded

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Ordering designation	Anchor size	Drill bit diameter	Drilling depth	Base plate clearance hole	Sales pack quantity	Item number
HIS-N M8x90	M8	14 mm	90 mm	9 mm	10 pc	**258015**[1)]
HIS-N M10x110	M10	18 mm	110 mm	12 mm	10 pc	**258016**[1)]
HIS-N M12x125	M12	22 mm	125 mm	14 mm	5 pc	**258017**[1)]
HIS-N M16x170	M16	28 mm	170 mm	18 mm	5 pc	**258018**[1)]
HIS-N M20x205	M20	32 mm	205 mm	22 mm	5 pc	**258019**[1)]

[1)] This is a non-stock item. For detailed lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Internally threaded sleeve HIS-RN (A4 stainless steel)



Approvals	
ETA	ETA 04/0027 for HIT-RE 500 injection mortar for anchoring applications (ETAG 001-05, Option 7)
ETA, seismic	ETA 04/0027 for HIT-RE 500 V3 injection mortar for anchoring applications (ETAG 001-05, Option 7)
	ETA 12/0084 for HIT-HY 200-R injection mortar and standard element for anchoring applications (ETAG 001-05, Option 1)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.

Technical data	
Head configuration	Inner thread
Material composition	Steel, A4 (SS316)
Material, corrosion	Steel, stainless
Anchor type	Internally threaded

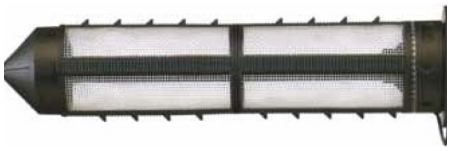
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Ordering designation	Anchor size	Drill bit diameter	Drilling depth	Base plate clearance hole	Sales pack quantity	Item number
HIS-RN M8x90 A4	M8	14 mm	90 mm	9 mm	10 pc	**258024**[1)]
HIS-RN M10x110 A4	M10	18 mm	110 mm	12 mm	10 pc	**258025**
HIS-RN M12x125 A4	M12	22 mm	125 mm	14 mm	5 pc	**258026**
HIS-RN M16x170 A4	M16	28 mm	170 mm	18 mm	5 pc	**258027**[1)]
HIS-RN M20x205 A4	M20	32 mm	205 mm	22 mm	5 pc	**258028**[1)]

[1)] This is a non-stock item. For detailed lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Composite mesh sleeve HIT-SC (for the use with HIT-HY 270)



BASE MATERIALS

- Concrete (hollow deck)
- Drywall
- Masonry (hollow)
- Masonry (hollow CMU)
- Masonry (multiple-wythe brick/ unreinforced masonry)

Technical data	
Material composition	Plastic
Anchor type	Mesh sleeve
Installation direction	All

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Ordering designation	Sleeve size	Anchor size use with	Drill bit diameter	Drilling depth	Sales pack quantity	Item number
HIT-SC 12x50	12	M6	12 mm	60 mm	20 pc	**375979**[1)]
HIT-SC 16x50	16	M8/M10	16 mm	60 mm	20 pc	**375981**
HIT-SC 16x85	16	M8/M10	16 mm	95 mm	20 pc	**375982**
HIT-SC 18x50	18	M12	16 mm	60 mm	20 pc	**360485**[1)]
HIT-SC 18x85	18	M12	18 mm	95 mm	20 pc	**360486**[1)]
HIT-SC 22x50	22	M12	22 mm	60 mm	100 pc	**273662**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Anchor rod HIT-Z (Galvanized)



Approvals	
ETA, seismic	ETA 12/0006 for HIT-HY 200-A injection mortar and HIT-Z(R) rod for anchoring applications (ETAG 001-05, Option 1)
	ETA 12/0006 for HIT-HY 200-R injection mortar and HIT-Z(R) rod for anchoring applications (ETAG 001-05, Option 1)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.

Technical data	
Head configuration	Externally threaded
Material composition	Steel, zinc-plated (min. 5 µm)
Material, corrosion	Steel, zinc-plated
Anchor type	Off-the-shelf rods
Approvals / test reports	ETA
Tested/approved for diamond drilling	Yes

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Ordering designation	Anchor size	Dill bit diameter	Max. fixture thickness at standard embedment depth	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HIT-Z M12x105	M12	14 mm	29 mm	14 mm	40 Nm	20 pc	**2018411**[1)]
HIT-Z M12x140	M12	14 mm	64 mm	14 mm	40 mm	20 pc	**2018412**[1)]
HIT-Z M12x155	M12	14 mm	79 mm	14 mm	40 Nm	20 pc	**2018413**
HIT-Z M12x196	M12	14 mm	120 mm	14 mm	40 mm	20 pc	**2018415**[1)]
HIT-Z M16x155	M16	18 mm	38 mm	18 mm	80 Nm	12 pc	**2018416**[1)]
HIT-Z M16x175	M16	18 mm	58 mm	18 mm	80 Nm	12 pc	**2018417**[1)]
HIT-Z M16x205	M16	18 mm	88 mm	18 mm	80 Nm	12 pc	**2018418**[1)]
HIT-Z M16x240	M16	18 mm	123 mm	18 mm	80 Nm	12 pc	**2018419**[1)]
HIT-Z M20x215	M20	22 mm	91 mm	22 mm	150 Nm	6 pc	**2018420**
HIT-Z M20x250	M20	22 mm	126 mm	22 mm	150 Nm	6 pc	**2018421**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Anchor rod HIT-Z-R (A4 stainless steel)



Approvals	
ETA, seismic	ETA 12/0006 for HIT-HY 200-A injection mortar and HIT-Z(R) rod for anchoring applications (ETAG 001-05, Option 1)
	ETA 12/0006 for HIT-HY 200-R injection mortar and HIT-Z(R) rod for anchoring applications (ETAG 001-05, Option 1)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.

Technical data	
Head configuration	Externally threaded
Material composition	Steel, A4 (SS316)
Material, corrosion	Steel, stainless
Anchor type	Off-the-shelf rods
Approvals / test reports	ETA
Tested/approved for diamond drilling	Yes

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Ordering designation	Anchor size	Dill bit diameter	Max. fixture thickness at standard embedment depth	Required tightening torque	Sales pack quantity	Item number
HIT-Z-R M12x105	M12	14 mm	29 mm	40 Nm	20 pc	**2018429**[1)]
HIT-Z-R M12x140	M12	14 mm	64 mm	40 mm	20 pc	**2018430**[1)]
HIT-Z-R M12x155	M12	14 mm	79 mm	40 Nm	20 pc	**2018431**[1)]
HIT-Z-R M12x196	M12	14 mm	120 mm	40 mm	20 pc	**2018433**[1)]
HIT-Z-R M16x155	M16	18 mm	38 mm	80 Nm	12 pc	**2018434**[1)]
HIT-Z-R M16x175	M16	18 mm	58 mm	80 Nm	12 pc	**2018435**[1)]
HIT-Z-R M16x205	M16	18 mm	88 mm	80 Nm	12 pc	**2018436**
HIT-Z-R M16x240	M16	18 mm	123 mm	80 Nm	12 pc	**2018437**[1)]
HIT-Z-R M20x250	M20	22 mm	126 mm	150 Nm	6 pc	**2018439**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

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Threaded meter rod (Galvanized, grade 8.8)



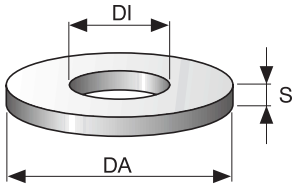
Technical data	
Material composition	steel, 8.8 grade
Material, corrosion	zinc-plated
Standard (threaded rod)	DIN 976
Standard (material)	ISO 898

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Ordering designation	Anchor size	Length	Drill bit diameter	Base plate clearance hole	Sales pack quantity	Item number
AM8X1000 8.8 zinced	M8	1000 mm	10 mm	9 mm	20 pc	**407496**
AM10X1000 8.8 zinced	M10	1000 mm	12 mm	12 mm	20 pc	**407497**
AM12X1000 8.8 zinced	M12	1000 mm	14 mm	14 mm	15 pc	**407498**
AM16X1000 8.8 zinced	M16	1000 mm	18 mm	18 mm	5 pc	**407499**
AM20X1000 8.8 zinced	M20	1000 mm	24 mm	22 mm	5 pc	**407500**
AM24X1000 8.8 zinced	M24	1000 mm	28 mm	26 mm	5 pc	**407501**
AM27X1000 8.8 zinced	M27	1000 mm	30 mm	30 mm	1 pc	**2008138**
AM30X1000 8.8 zinced	M30	1000 mm	35 mm	33 mm	1 pc	**2008139**[1)]
AM33X1000 8.8 zinced	M33	1000 mm	37 mm	36 mm	1 pc	**2008330**[1)]
AM36X1000 8.8 zinced	M36	1000 mm	40 mm	39 mm	1 pc	**2008331**[1)]
AM39X1000 8.8 zinced	M39	1000 mm	42 mm	42 mm	1 pc	**2008332**[1)]

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Flat washer (Galvanized)



Technical data	
Hardness	200 HV
Surface finished	zinc-plated
Standard (washer)	ISO 7089 / DIN 125

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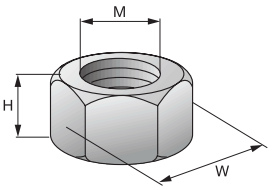
Ordering designation	Anchor size	Inside diameter - DI	Outside diameter - DA	Cross section thickness - s	Sales pack quantity	Item number
A8,4/16 zinced	M8	8.4 mm	16 mm	1.6 mm	200 pc	**2184556**
A10,5/20 zinced	M10	10.5 mm	20 mm	2 mm	150 pc	**2184511**
A13/24 zinced	M12	13 mm	24 mm	2.5 mm	100 pc	**2184512**
A17/30 zinced	M16	17 mm	30 mm	3 mm	100 pc	**282853**
A25/44 zinced	M24	25 mm	44 mm	4 mm	50 pc	**2184515**
A28/50 zinced	M27	28 mm	50 mm	4 mm	100 pc	**2008282**
A31/56 zinced	M30	31 mm	56 mm	4 mm	100 pc	**2008283**[1)]
A34/60 zinced	M33	34 mm	60 mm	5 mm	50 pc	**2048043**
A37/66 zinced	M36	37 mm	66 mm	5 mm	50 pc	**2048044**
A42/72 zinced	M39	42 mm	72 mm	6 mm	50 pc	**2008286**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

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Hexagon nut (Galvanized)

Technical data	
Material composition	Class 8
Surface finished	zinc-plated
Standard (Nut)	DIN 934



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Ordering designation	Thread - M	Height - H	Wrench size - W	Sales pack quantity	Item number
M8 zinced	M8	7 mm	13 mm	100 pc	**2184504**
M10 zinced	M10	8 mm	17 mm	100 pc	**2184505**
M12 zinced	M12	10 mm	19 mm	50 pc	**2184554**
M16 zinced	M16	13 mm	24 mm	50 pc	**2184506**
M20 zinced	M20	16 mm	30 mm	25 pc	**2184507**
M24 zinced	M24	19 mm	36 mm	25 pc	**2184508**
M27 zinced	M27	22 mm	41 mm	25 pc	**362307**
M30 zinced	M30	24 mm	46 mm	25 pc	**362309**[1)]
M33 zinced	M33	26 mm	50 mm	20 pc	**362134**
M36 zinced	M36	29 mm	55 mm	10 pc	**362135**
M39 zinced	M39	31 mm	60 mm	10 pc	**362136**[1)]

Please visit Hilti website for the latest item numbers and related products

Threaded meter rod (Hot-dip galvanized, grade 8.8)

Technical data	
Material composition	Steel, 8.8 grade
Material, corrosion	Hot-dip galvanized
Standard (threaded rod)	DIN 976
Standard (material)	ISO 898



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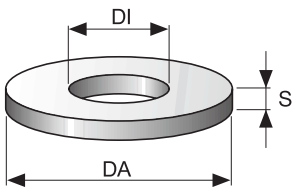
Ordering designation	Anchor size	Length	Drill bit Diameter	Base plate clearance hole	Sales pack quantity	Item number
AM10X 1000 8.8 HDG	M10	1000 mm	12 mm	12 mm	20 pc	**419102**
AM12X 1000 8.8 HDG	M12	1000 mm	14 mm	14 mm	15 pc	**419103**
AM16X 1000 8.8 HDG	M16	1000 mm	18 mm	18 mm	5 pc	**419104**
AM27X 1000 8.8 HDG	M27	1000 mm	30 mm	30 mm	120 pc	**2008338**[1)]
AM30X 1000 8.8 HDG	M30	1000 mm	35 mm	35 mm	100 pc	**2008339**[1)]
AM33X 1000 8.8 HDG	M33	1000 mm	37 mm	37 mm	80 pc	**2008340**[1)]
AM36X 1000 8.8 HDG	M36	1000 mm	40 mm	40 mm	80 pc	**2008341**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Flat washer (Hot-dip galvanized)

Technical data	
Hardness	200 HV
Material, corrosion	Hot-dip galvanized
Standard (washer)	ISO 7089 / DIN 125



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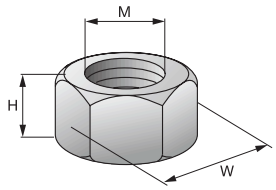
Ordering designation	Anchor size	Inside diameter - DI	Outside diameter - DA	Cross section thickness - s	Sales pack quantity	Item number
A 10,5/20-F	M10	10.5 mm	20 mm	2 mm	150 pc	**2184530**
A 13/24-F	M12	13 mm	24 mm	2.5 mm	100 pc	**2184531**
A 17/30-F	M18	17 mm	30 mm	3 mm	50 pc	**2184532**
A 21/37-F	M20	21 mm	37 mm	3 mm	200 pc	**2008399**
A 25/44-F	M24	25 mm	44 mm	4 mm	200 pc	**2008287**
A 28/50-F	M27	28 mm	50 mm	4 mm	100 pc	**2008288**[1)]
A 31/56-F	M30	31 mm	56 mm	4 mm	100 pc	**2008289**[1)]
A 34/60-F	M33	34 mm	60 mm	5 mm	50 pc	**2008360**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.
* For M27-M36, Hilti offer meter rod, nut & washer as non-stock items. For detailed lead time infomation, please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Hexagon nut (Hot-dip galvanized)

Technical data	
Material composition	Class 8
Material, corrosion	Hot-dip galvanized
Standard (Nut)	DIN 934



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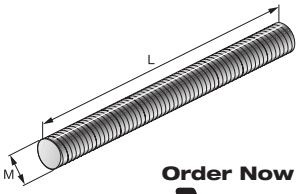
Ordering designation	Thread - M	Height - H	Wrench size - W	Sales pack quantity	Item number
M10-F	M10	8 mm	17 mm	100 pc	**304765**
M24-F	M24	19 mm	36 mm	50 pc	**2008236**
M27-F	M27	22 mm	41 mm	25 pc	**2008237**[1)]
M30-F	M30	24 mm	46 mm	25 pc	**2008238**[1)]
M33-F	M33	26 mm	50 mm	10 pc	**2008239**[1)]
M36-F	M36	29 mm	55 mm	10 pc	**2008290**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.
* For M27-M36, Hilti offer meter rod, nut & washer as non-stock items. For detailed lead time infomation, please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Threaded meter rod (A4 stainless steel)

Technical data	
Material composition	Stainless steel A4=70
Standard (threaded rod)	DIN 976
Standard (material)	ISO 3506-1



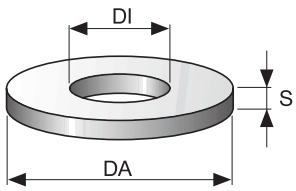
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Ordering designation	Anchor size	Length	Drill bit diameter	Base plate clearance hole	Sales pack quantity	Item number
AM8x1000 A4-70	M8	1000 mm	10 mm	9 mm	10 pc	**58666**
AM10x1000 A4-70	M10	1000 mm	12 mm	12 mm	10 pc	**58670**
AM12x1000 A4-70	M12	1000 mm	14 mm	14 mm	5 pc	**58671**
AM16x1000 A4-70	M16	1000 mm	18 mm	18 mm	5 pc	**58683**
AM20x1000 A4-70	M20	1000 mm	24 mm	22 mm	5 pc	**58688**
AM24x1000 A4-70	M24	1000 mm	28 mm	26 mm	5 pc	**58689**

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Flat washer (A4 stainless steel)

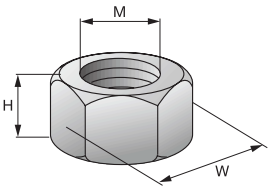
Technical data	
Hardness	200 HV
Material, corrosion	Stainles steel A4
Standard (washer)	ISO 7089 / DIN 125



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Ordering designation	Anchor size	Inside diameter - DI	Outside diameter - DA	Cross section thickness - s	Sales pack quantity	Item number
A 8,4/16 A4	M8	8.4 mm	16 mm	1.6 mm	200 pc	**2184478**
A 10,5/20 A4	M10	10.5 mm	20 mm	2 mm	150 pc	**2184477**
A 13/24 A4	M12	13 mm	24 mm	2.5 mm	100 pc	**2184549**
A 17/30 A4	M16	17 mm	30 mm	3 mm	50 pc	**2184535**
A 21/37 A4	M20	21 mm	37 mm	3 mm	25 pc	**387990**
A 25/44 A4	M24	25 mm	44 mm	4 mm	25 pc	**387991**

Hexagon nut (A4 stainless steel)



Technical data	
Material composition	Class 8
Material, corrosion	Stainles steel A4
Standard (Nut)	DIN 934

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Ordering designation	Thread - M	Height - H	Wrench size - W	Sales pack quantity	Item number
M24 A4-70	M24	19 mm	36 mm	25 pc	**387993**

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Safety glasses



Technical data	
Lens	PC material
Thickness	2.1 mm
Coating	Optidur NCH coating
Filter	2C-1.2
Impact energy	45 m/s

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Ordering designation	Sales pack quantity	Item number
Safety glasses PP EY-CA NCH clear	1 pc	**2065449**

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Accessories for blowing out



APPLICATIONS

- For fast and efficient removal of dust and debris from drilled holes of varying diameters and depths to allow correct installation of anchors and rebar

Technical data	
Dispenser, setting tool, accessory, tester type	Cleaning accessories

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Ordering designation	Sales pack quantity	Item number
Blow-out pump	1 pc	**60579**
Extension tube HIT-VL 16/0.7	10 pc	**336646**[1)]

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Accessories for blowing out (Air nozzle)



APPLICATIONS

- Clearing dust and debris from drilled holes under various conditions including where adhesive anchors are set at great depth

Technical data	
Dispenser, setting tool, accessory, tester type	Cleaning accessories

ADVANTAGES

- Fast, effective cleaning of drilled holes

Order Now

Ordering designation	Drill hole diameter	Sales pack quantity	Item number
Air nozzle HIT-DL 20	20 mm	1 pc	**371719**[1)]
Air nozzle HIT-DL 25	25 mm	1 pc	**371720**[1)]
Air nozzle HIT-DL 32	32 mm	1 pc	**371721**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Accessories for brushing



HIT-RBH



Round steel brush HIT-RB

APPLICATIONS

- For the proper brushing of drilled holes of varying diameters and embedment depths

Technical data	
Dispenser, setting tool, accessory, tester type	Cleaning accessories

Ordering designation	Package contents	Sales pack quantity	Item number
Brush extension HIT-RBH	30 cm extension with handle for manual cleaning fitting to all RB diameter.	1 pc	**229138**
Brush extension HIT-RBV	30 cm extention used between RBH (handle) and all RB diameter.	1 pc	**238727**[1)]
Brush extension HIT-RBS-10/0.35	35 cm extension for machine cleaning fitting to all RB diameter.	1 pc	**371722**[1)]
Holder TE-C	Connection end for C and SDS end. Works with RBS.	1 pc	**263437**[1)]
Holder TE-Y	Connection end for Y end. Works with RBS.	1 pc	**263439**[1)]
Round steel brush HIT-RB 12	Brush diameter - 12 mm. Use with HIT-RBH/RBV	1 pc	**336548**
Round steel brush HIT-RB 16	Brush diameter - 16 mm. Use with HIT-RBH/RBV	1 pc	**336550**[1)]
Round steel brush HIT-RB 20	Brush diameter - 20 mm. Use with HIT-RBH/RBV	1 pc	**336552**
Round steel brush HIT-RB 25	Brush diameter - 25 mm. Use with HIT-RBH/RBV	1 pc	**336553**[1)]
Round steel brush HIT-RB 32	Brush diameter - 32 mm. Use with HIT-RBH/RBV	1 pc	**336554**
Round steel brush HIT-RB 40	Brush diameter - 40 mm. Use with HIT-RBH/RBV	1 pc	**382260**[1)]
Round steel brush HIT-RB 52	Brush diameter - 52 mm. Use with HIT-RBH/RBV	1 pc	**382265**

[1)] This is a non-stock item. For detailed lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Accessories for injection in deep / overhead holes application



APPLICATIONS

- For injection of Hilti HIT adhesive mortars in a variety of situations including deep holes, overhead holes and in underwater applications

ADVANTAGES

- Injection pistons and flexible extension hoses help ensure consistent injection of the adhesive into the hole without formation of air voids

Technical data	
Dispenser, setting tool, accessory, tester type	Cleaning accessories

Order Now

Ordering designation	Drill hole diameter	Sales pack quantity	Item number
Hose HIT-VL 11/1.0 (Plastic tube)	-	10 pc	**2042533**[1)]
Coupler VL-K (connect HIT-VL)	-	10 pc	**335021**[1)]
Piston plug HIT-SZ 20	20 mm	10 pc	**2039312**
Piston plug HIT-SZ 25	25 mm	10 pc	**2039315**
Piston plug HIT-SZ 30	30 mm	10 pc	**2039317**
Piston plug HIT-SZ 40	40 mm	10 pc	**2039325**[1)]
Piston plug HIT-SZ 47	47 mm	10 pc	**2039332**[1)]

[1)] This is a non-stock item. For detailed lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Accessories for overhead applications



Technical data	
Dispenser, setting tool, accessory, tester type	Mixing nozzles and injection accessories

Order Now

Ordering designation	Sales pack quantity	Item number
Drip guard HIT-OHC1 (for fastener Ø10-20 mm)	10 pc	**387551**
Drip guard HIT-OHC2 (for fastener Ø22-32 mm)	10 pc	**387552**
Wedge HIT-OHW	100 pc	**387550**

Please visit Hilti website for the latest item numbers and related products

Setting tool TE-C (For HVU2 installation)





APPLICATIONS

- Setting tool for installing HVU2 with HAS

Approvals	
ETA	ETA-18/0185 HVU2 bonded fastener for use in concrete

Approvals and test reports may apply to selected products only. Please refer to the documents for details.

Technical data	
Dispenser, setting tool, accessory, tester type	Setting tools

Ordering designation	Connection end	Sales pack quantity	Item number
TE-C M8 - M16	TE-C	1 pcs	**2181356**

Please visit Hilti website for the latest item numbers and related products

Setting tool TE-C-E (For HVU2 installation)



APPLICATIONS

- Setting tool for installing HVU2 with HAS-E

Technical data	
Dispenser, setting tool, accessory, tester type	Setting tools

Order Now

Ordering designation	Connection end	Sales pack quantity	Item number
TE-C-E M8	TE-C	1 pc	**369223**
TE-C-E M10	TE-C	1 pc	**369224**
TE-C-E M12	TE-C	1 pc	**369225**
TE-C-E M16	TE-C	1 pc	**369226**

Please visit Hilti website for the latest item numbers and related products

Setting tool TE-Y-E (For HVU2 installation)



APPLICATIONS

- Setting tool for installing HVU2 with HAS-E

Technical data	
Dispenser, setting tool, accessory, tester type	Setting tools

Order Now

Ordering designation	Connection end	Sales pack quantity	Item number
TE-Y-E M16	TE-Y	1 pc	**369227**[1)]
TE-Y-E M20	TE-Y	1 pc	**369228**[1)]
TE-Y-E M24	TE-Y	1 pc	**369229**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Setting tool HIS-S (For HVU2 installation)



APPLICATIONS

- Setting tool for installing HVU2 with HIS-N

Technical data	
Dispenser, setting tool, accessory, tester type	Setting tools

Order Now

Ordering designation	Sales pack quantity	Item number
HIS-S M12	1 pc	**45966**[1)]
HIS-S M16	1 pc	**45967**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Mixers for Hilti injectable (RE&HY)



Technical data	
Dispenser, setting tool, accessory, tester type	Mixing nozzles and injection accessories

Order Now

Ordering designation	Sales pack quantity	Item number
Mixers HIT-RE-M (for RE&HY)	1 pc	**337111**

Please visit Hilti website for the latest item numbers and related products

Undercut anchor HDA-T





BASE MATERIALS

- Concrete (cracked)
- Concrete (uncracked)

APPLICATIONS

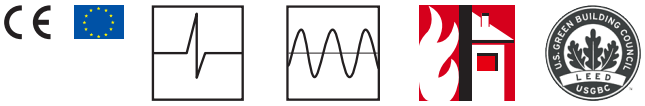
- Safety-relevant, heavy-duty fastenings for all dynamic loading (shock, seismic and fatigue) in cracked or uncracked concrete, including applications in nuclear power plants
- Fastenings to support heavy pipes, safety barriers, industrial machines, crane rails, dorm structures, crash barriers, roof fixings, elevator tracks, bridge retrofitting etc.

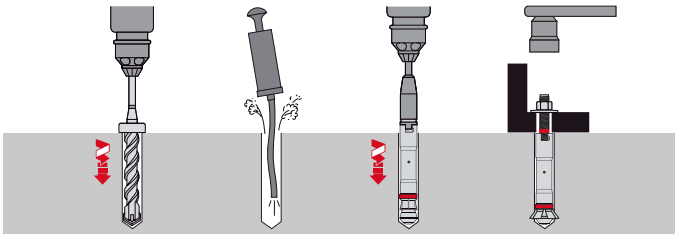
ADVANTAGES

- Self-undercutting facilitates fast and reliable installation without the need for a separate undercutting tool or additional operations
- Combines the advantages of a post-installed mechanical anchor, i.e. flexibility and immediate loading, with the performance of a cast-in-place headed stud
- Close spacing and small edge distance thanks to low expansion forces

Approvals	
BZS/shock	BZS D 09-601 for HDA self-cutting undercut anchor
ETA	ETA 99/0009 for HDA self-cutting undercut anchor (ETAG 001-03, Option 1)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.





These are abbreviated instructions which may vary according to the application.

Technical data	
Material composition	(Galvanized) Bolt: steel, 8.8 grade, zinc-plated (min. 5 µm); (Sherardized) Bolt, 8.8 grade, sherardized (min. 53 µm); (Stainless steel) Steel, A4 (SS316)
Head configuration	Externally threaded
Type of fastening	Through-fastening
IBC compliance	IBC 2003, IBC 2006, IBC 2009, IBC 2012
Additional product information	Meets approval requirements when installed using the specified stop drill bit, setting tool and rotary hammer

Technical data

Recommended load (kN), non-cracked concrete at 25N/mm², safety factor(γ)=3

Model	Size	M10	M12	M16	M20
HDA-T/ HDA-TF	Tensile Load, Nrec	15.3	22.3	42.0	64.0
	Shear Load, Vrec	21.7	26.7	46.7	68.3
HDA-TR	Tensile Load, Nrec	15.3	22.3	42.0	-
	Shear Load, Vrec	23.7	29.0	50.7	-

Recommended load (kN), cracked concrete at 25N/mm², safety factor(γ)=3

Model	Size	M10	M12	M16	M20
HDA-T/ HDA-TF	Tensile Load, Nrec	8.3	11.7	25.0	31.7
	Shear Load, Vrec	21.7	26.7	46.7	68.3
HDA-TR	Tensile Load, Nrec	8.3	11.7	25.0	-
	Shear Load, Vrec	23.7	29.0	50.7	-

Remarks:
1) All the data applies to no edge distance, spacing and other influences
2) HDA M20: only available in galvanized 5 µm version
3) For detail design method and cracked concrete information, please refer to Fastening Technology Manual

HDA-T (Galvanized min. 5µm)



Order Now

Ordering designation	Anchor size	Anchor length	Drill bit diameter	Drilling depth	Anchorage depth	Max. fixture thickness at standard embedment depth	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HDA-T M10x100/20	M10	150 mm	20 mm	127 mm	100 mm	20 mm	21 mm	50 Nm	12 pc	**331545**[1)]
HDA-T M12x125/30	M12	190 mm	22 mm	163 mm	125 mm	30 mm	23 mm	80 Nm	8 pc	**331548**
HDA-T M12x125/50	M12	210 mm	22 mm	183 mm	125 mm	50 mm	23 mm	80 Nm	8 pc	**331549**[1)]
HDA-T M16x190/40	M16	275 mm	30 mm	243 mm	190 mm	40 mm	32 mm	120 Nm	4 pc	**331552**
HDA-T M16x190/60	M16	295 mm	30 mm	263 mm	190 mm	60 mm	32 mm	120 Nm	4 pc	**331553**[1)]
HDA-T M20x250/50	M20	360 mm	37 mm	316 mm	250 mm	50 mm	40 mm	300 Nm	2 pc	**339267**[1)]
HDA-T M20x250/100	M20	410 mm	37 mm	366 mm	250 mm	100 mm	40 mm	300 Nm	2 pc	**339268**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

HDA-TR (Stainless steel A4)



Order Now

Ordering designation	Anchor size	Anchor length	Drill bit diameter	Drilling depth	Anchorage depth	Max. fixture thickness at standard embedment depth	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HDA-TR M10x100/20	M10	150 mm	20 mm	127 mm	100 mm	20 mm	21 mm	50 Nm	12 pc	**339351**[1)]
HDA-TR M12x125/30	M12	190 mm	22 mm	163 mm	125 mm	30 mm	23 mm	80 Nm	8 pc	**339352**
HDA-TR M12x125/50	M12	210 mm	22 mm	183 mm	125 mm	50 mm	23 mm	80 Nm	8 pc	**339353**
HDA-TR M16x190/40	M16	275 mm	30 mm	243 mm	190 mm	40 mm	32 mm	120 Nm	4 pc	**339354**[1)]
HDA-TR M16x190/60	M16	295 mm	30 mm	263 mm	190 mm	60 mm	32 mm	120 Nm	4 pc	**339355**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Undercut anchor HDA-P





BASE MATERIALS

- Concrete (cracked)
- Concrete (uncracked)

APPLICATIONS

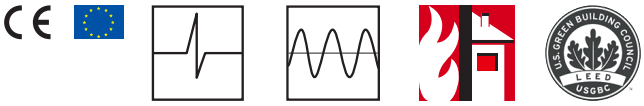
- Safety-relevant, heavy-duty fastenings for all dynamic loading (shock, seismic and fatigue) in cracked or uncracked concrete, including applications in nuclear power plants
- Fastenings to support heavy pipes, safety barriers, industrial machines, crane rails, dorm structures, crash barriers, roof fixings, elevator tracks, bridge retrofitting etc.

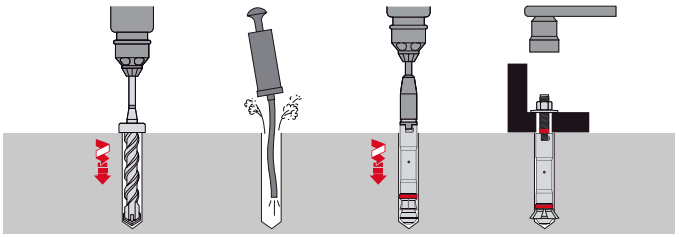
ADVANTAGES

- Self-undercutting facilitates fast and reliable installation without the need for a separate undercutting tool or additional operations
- Combines the advantages of a post-installed mechanical anchor, i.e. flexibility and immediate loading, with the performance of a cast-in-place headed stud
- Close spacing and small edge distance thanks to low expansion forces

Approvals	
BZS/shock	BZS D 09-601 for HDA self-cutting undercut anchor
ETA	ETA 99/0009 for HDA self-cutting undercut anchor (ETAG 001-03, Option 1)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.





These are abbreviated instructions which may vary according to the application.

Technical data	
Material composition	(Galvanized) Bolt: steel, 8.8 grade, zinc-plated (min. 5 µm); (Sherardized) Bolt, 8.8 grade, sherardized (min. 53 µm); (Stainless steel) Steel, A4 (SS316)
Head configuration	Externally threaded
Type of fastening	Through-fastening
IBC compliance	IBC 2003, IBC 2006, IBC 2009, IBC 2012
Additional product information	Meets approval requirements when installed using the specified stop drill bit, setting tool and rotary hammer

Technical data

Recommended load (kN), non-cracked concrete at 25N/mm², safety factor(γ)=3

Model	Size	M10	M12	M16	M20
HDA-P/ HDA-PF	Tensile Load, Nrec	15.3	22.3	42.0	64.0
	Shear Load, Vrec	7.3	10.0	20.7	30.7
HDA-PR	Tensile Load, Nrec	15.3	22.3	42.0	-
	Shear Load, Vrec	7.7	11.3	21.0	-

Recommended load (kN), cracked concrete at 25N/mm², safety factor(γ)=3

Model	Size	M10	M12	M16	M20
HDA-P/ HDA-PF	Tensile Load, Nrec	8.3	11.7	25.0	31.7
	Shear Load, Vrec	7.3	10.0	20.6	30.7
HDA-PR	Tensile Load, Nrec	8.3	11.7	25.0	-
	Shear Load, Vrec	7.7	11.3	21.0	-

Remarks:
1) All the data applies to no edge distance, spacing and other influences
2) HDA M20: only available in galvanized steel version
3) For detail design method and cracked concrete information, please refer to Fastening Technology Manual

HDA-P (Galvanised min. 5µm)



Order Now

Ordering designation	Anchor size	Anchor length	Drill bit diameter	Drilling Depth	Anchorage depth	Max. fixture thickness at standard embedment depth	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HDA-P M10x100/20	M10	150 mm	20 mm	107 mm	100 mm	20 mm	12 mm	50 Nm	12 pc	**331544**[1)]
HDA-P M12x125/30	M12	190 mm	22 mm	133 mm	125 mm	30 mm	14 mm	80 Nm	8 pc	**331546**[1)]
HDA-P M12x125/50	M12	210 mm	22 mm	133 mm	125 mm	50 mm	14 mm	80 Nm	8 pc	**331547**[1)]
HDA-P M16x190/40	M16	275 mm	30 mm	203 mm	190 mm	40 mm	18 mm	120 Nm	4 pc	**331550**[1)]
HDA-P M16x190/60	M16	295 mm	30 mm	203 mm	190 mm	60 mm	18 mm	120 Nm	4 pc	**331551**[1)]
HDA-P M20x250/50	M20	360 mm	37 mm	266 mm	250 mm	50 mm	22 mm	300 Nm	2 pc	**339265**[1)]
HDA-P M20x250/100	M20	410 mm	37 mm	266 mm	250 mm	100 mm	22 mm	300 Nm	2 pc	**339266**[1)]

[1)] This is a non-stock item. For detailed lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

HDA-PF (Sherardized 53µm)



Order Now

Ordering designation	Anchor size	Anchor length	Drill bit diameter	Drilling depth	Anchorage depth	Max. fixture thickness at standard embedment depth	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HDA-PF M12x125/30	M12	190 mm	22 mm	133 mm	125 mm	30 mm	14 mm	80 Nm	8 pc	**412901**[1)]
HDA-PF M16x190/60	M16	295 mm	30 mm	203 mm	190 mm	60 mm	18mm	120 Nm	4 pc	**339360**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

HDA-PR (Stainless steel A4)



Order Now

Ordering designation	Anchor size	Anchor length	Drill bit diameter	Drilling Depth	Anchorage depth	Max. fixture thickness at standard embedment depth	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HDA-PR M10x100/20	M10	150 mm	20 mm	107 mm	100 mm	20 mm	12 mm	50 Nm	12 pc	**339346**[1)]
HDA-PR M12x125/30	M12	190 mm	22 mm	133 mm	125 mm	30 mm	14 mm	80 Nm	8 pc	**339347**[1)]
HDA-PR M12x125/50	M12	210 mm	22 mm	133 mm	125 mm	50 mm	14 mm	80 Nm	8 pc	**339348**[1)]
HDA-PR M16x190/40	M16	275 mm	30 mm	203 mm	190 mm	40 mm	18 mm	120 Nm	4 pc	**339349**[1)]
HDA-PR M16x190/60	M16	295 mm	30 mm	203 mm	190 mm	60 mm	18 mm	120 Nm	4 pc	**339350**[1)]

[1)] This is a non-stock item. For detailed lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

HDA SETTING EQUIPMENT
HDA-P/T

 TE-C Connection

 TE-Y Connection

Anchor description	TE 30-C-AVR	TE 40	TE 60-ATC / AVR	TE 70-ATC / AVR	Stop drill bit description	Setting tool description
			max impact energy			
HDA-P 20-M10x100/20	■	■			TE-C-HDA-B 20x100	TE-C-HDA-ST 20 M10
			■		TE-Y-HDA-B 20x100	TE-Y-HDA-ST 20 M10
HDA-T 20-M10x100/20	■	■			TE-C-HDA-B 20x120	TE-C-HDA-ST 20 M10
			■		TE-Y-HDA-B 20x120	TE-Y-HDA-ST 20 M10
HDA-P 22-M12x125/30	■	■			TE-C-HDA-B 22x125	TE-C-HDA-ST 22 M12
			■		TE-Y-HDA-B 22x125	TE-Y-HDA-ST 22 M12
HDA-T 22-M12x125/30	■	■			TE-C-HDA-B 22x155	TE-C-HDA-ST 22 M12
			■		TE-Y-HDA-B 22x155	TE-Y-HDA-ST 22 M12
HDA-P 22-M12x125/50	■	■			TE-C-HDA-B 22x125	TE-C-HDA-ST 22 M12
			■		TE-Y-HDA-B 22x125	TE-Y-HDA-ST 22 M12
HDA-T 22-M12x125/50	■	■			TE-C-HDA-B 22x175	TE-C-HDA-ST 22 M12
			■		TE-Y-HDA-B 22x175	TE-Y-HDA-ST 22 M12
HDA-P 30-M16x190/40				■	TE-Y-HDA-B 30x190	TE-Y-HDA-ST 30 M16
HDA-T 30-M16x190/40				■	TE-Y-HDA-B 30x230	
HDA-P 30-M16x190/60				■	TE-Y-HDA-B 30x190	
HDA-T 30-M16x190/60				■	TE-Y-HDA-B 30x250	
HDA-P 37-M20x250/50				■	TE-Y-HDA-B 37x250	TE-Y-HDA-ST 37 M20
HDA-T 37-M20x250/50				■	TE-Y-HDA-B 37x300	
HDA-P 37-M20x250/100				■	TE-Y-HDA-B 37x250	
HDA-T 37-M20x250/100				■	TE-Y-HDA-B 37x350	

HDA-PF/TF

Anchor description	TE-C Connection: TE 30-C-AVR	TE-C Connection: TE 40	TE-Y Connection: TE 60-ATC / AVR (max impact energy)	TE-Y Connection: TE 70-ATC / AVR (max impact energy)	Stop drill bit description	Setting tool description
HDA-PF 22-M12x125/30	■	■			TE-C-HDA-B 22x125	TE-C-HDA-ST 22 M12
			■		TE-Y-HDA-B 22x125	TE-Y-HDA-ST 22 M12
HDA-PF 30-M16x190/60				■	TE-Y-HDA-B 30x190	TE-Y-HDA-ST 30 M16

HDA-PR/TR

HDA-PR 20-M10x100/20	■	■			TE-C-HDA-B 20x100	TE-C-HDA-ST 20 M10
			■		TE-Y-HDA-B 20x100	TE-Y-HDA-ST 20 M10
HDA-TR 20-M10x100/20	■	■			TE-C-HDA-B 20x120	TE-C-HDA-ST 20 M10
			■		TE-Y-HDA-B 20x120	TE-Y-HDA-ST 20 M10
HDA-PR 22-M12x125/30	■	■			TE-C-HDA-B 22x125	TE-C-HDA-ST 22 M12
			■		TE-Y-HDA-B 22x125	TE-Y-HDA-ST 22 M12
HDA-TR 22-M12x125/30	■	■			TE-C-HDA-B 22x155	TE-C-HDA-ST 22 M12
			■		TE-Y-HDA-B 22x155	TE-Y-HDA-ST 22 M12
HDA-PR 22-M12x125/50	■	■			TE-C-HDA-B 22x125	TE-C-HDA-ST 22 M12
			■		TE-Y-HDA-B 22x125	TE-Y-HDA-ST 22 M12
HDA-TR 22-M12x125/50	■	■			TE-C-HDA-B 22x175	TE-C-HDA-ST 22 M12
			■		TE-Y-HDA-B 22x175	TE-Y-HDA-ST 22 M12
HDA-PR 30-M16x190/40				■	TE-Y-HDA-B 30x190	TE-Y-HDA-ST 30 M16
HDA-TR 30-M16x190/40				■	TE-Y-HDA-B 30x230	
HDA-PR 30-M16x190/60				■	TE-Y-HDA-B 30x190	
HDA-TR 30-M16x190/60				■	TE-Y-HDA-B 30x250	

Stop drill bit TE-C-HDA-B

SDS plus



APPLICATIONS

- Drilling HDA anchor holes to the defined depth

ADVANTAGES

- Ensures consistent hole depth for proper installation of HDA undercut anchors

Technical data	
Dispenser, setting tool, accessory, tester type	Stop drill bits
Insert connection end	TE-C (SDS-plus)

Ordering designation	Drill bit diameter	Connection end	Sales pack quantity	Item number
TE-C-HDA-B 20x100	20 mm	TE-C	1 pc	**332089**[1)]
TE-C-HDA-B 20x120	20 mm	TE-C	1 pc	**332090**[1)]
TE-C-HDA-B 22x125	22 mm	TE-C	1 pc	**402050**[1)]
TE-C-HDA-B 22x155	22 mm	TE-C	1 pc	**402056**
TE-C-HDA-B 22x175	22 mm	TE-C	1 pc	**402060**[1)]

[1)] This is a non-stock item. For detailed lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Related products on page
Consumables 209-212

Stop drill bit TE-Y-HDA-B

SDS max



APPLICATIONS

- Drilling HDA anchor holes to the defined depth

ADVANTAGES

- Ensures consistent hole depth for proper installation of HDA undercut anchors

Technical data	
Dispenser, setting tool, accessory, tester type	Stop drill bits
Insert connection end	TE-Y (SDS-max)

Ordering designation	Connection end	Sales pack quantity	Item number
TE-Y-HDA-B 30x190	TE-Y	1 pc	**332097**[1)]
TE-Y-HDA-B 30x230	TE-Y	1 pc	**332098**
TE-Y-HDA-B 30x250	TE-Y	1 pc	**332099**
TE-Y-HDA-B 37x250	TE-Y	1 pc	**339270**[1)]
TE-Y-HDA-B 37x300	TE-Y	1 pc	**339271**
TE-Y-HDA-B 37x350	TE-Y	1 pc	**339272**[1)]
TE-Y-HDA-B 22x125	TE-Y	1 pc	**402055**[1)]
TE-Y-HDA-B 22x155	TE-Y	1 pc	**402058**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Setting tool TE-C-HDA-ST



SDS plus



APPLICATIONS

- Setting tool required for the automatic self-undercutting operation with the HDA undercut anchor

Technical data	
Dispenser, setting tool, accessory, tester type	Setting tools
Insert connection end	TE-C (SDS-plus)

ADVANTAGES

- Ensures fast, consistent and reliable setting of the HDA undercut anchor

Ordering designation	Connection end	Sales pack quantity	Item number
TE-C-HDA-ST 20-M10	TE-C	1 pc	**331843**
TE-C-HDA-ST 22-M12	TE-C	1 pc	**331844**

Please visit Hilti website for the latest item numbers and related products

Setting tool TE-Y-HDA-ST



SDS max



APPLICATIONS

- Setting tool required for the automatic self-undercutting operation with the HDA undercut anchor

Technical data	
Dispenser, setting tool, accessory, tester type	Stop drill bits

ADVANTAGES

- Ensures fast, consistent and reliable setting of the HDA undercut anchor

Ordering designation	Connection end	Sales pack quantity	Item number
TE-Y-HDA-ST 22-M12	TE-Y	1 pc	**287134**
TE-Y-HDA ST 30-M16	TE-Y	1 pc	**331846**
TE-Y-HDA-ST 37-M20	TE-Y	1 pc	**339269**

[1] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Disassembly tool – for easy removal of HDA undercut anchors TE-C-HDA-RT



APPLICATIONS

- Tool for the removal of HDA undercut anchors

ADVANTAGES

- Fast, easy anchor removal

Technical data	
Dispenser, setting tool, accessory, tester type	Other accessories
Insert connection end	TE-C (SDS-plus)

Ordering designation	Sales pack quantity	Item number
TE-C-HDA-RT 20-M10	1 pc	**333433**[1)]
TE-C-HDA-RT 22-M12	1 pc	**333434**[1)]
TE-C-HDA-RT 30-M16	1 pc	**333435**[1)]
TE-C-HDA-RT 37-M20	1 pc	**339273**[1)]

[1)] This is a non-stock item. For detailed lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Filling set



APPLICATIONS

- Applications in which shear loads need to be taken up directly (gap filled with HIT-HY 200)

ADVANTAGES

- Optimal load transfer through special washer and filling of annular gap
- Through-fastening is possible
- Easy handling, even with multiple fastening points

Technical data	
Dispenser, setting tool, accessory, tester type	Other accessories

CE

Ordering designation	Anchor size	Material	Sales pack quantity	Item number
Filling set M8	M8	Galvanised	50 pc	**2127787**[1)]
Filling set M10	M10	Galvanised	50 pc	**2127788**[1)]
Filling set M12	M12	Galvanised	16 pc	**2127789**[1)]
Filling set M8 A4 stnls.	M8	Stainless steel A4	50 pc	**2127893**[1)]
Filling set M10 A4 stnls.	M10	Stainless steel A4	50 pc	**2127894**[1)]
Filling set M12 A4 stnls.	M12	Stainless steel A4	16 pc	**2127895**[1)]
Filling set M16 A4 stnls.	M16	Stainless steel A4	24 pc	**2127896**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Heavy-duty expansion anchor HSL4





BASE MATERIALS

- Concrete (cracked)
- Concrete (uncracked)

APPLICATIONS

- Heavy-duty fastenings in high safety-relevant or dynamic applications, including applications in nuclear power plants
- Heavy-duty applications e.g machines, heavy equipment, steel columns, heavy pipe supports, pumps, beam supports, medical equipment, cantilevers, cranes, car hoists, etc.

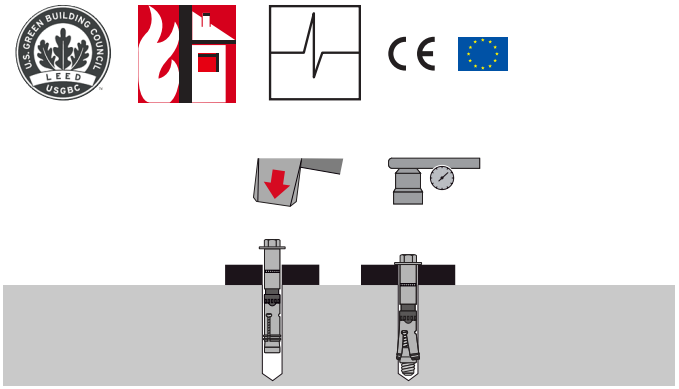
ADVANTAGES

- High tension and shear load capacities
- Force-controlled expansion which allows follow-up expansion

Technical data	
Material composition	(Galvanised) Bolt; steel, 8.8 grade, zinc plated (min. 5µm)
Head configuration	Hexagonal bolt, stud, countersunk and torque control
Type of fastening	Through-fastening
Approvals / Test reports	ET, Fatigue, Fire, Nucle-ar (NQA-1). Seismic

Approvals	
ETA	ETA 19/0556 & ETA 19/0858 for HSL4 heavy-duty expansion anchor

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



These are abbreviated instructions which may vary according to the application.

Technical data

Recommended load (kN), concrete grade 25N/mm², standard embedment depth, safety factor(γ)=3

		Un-cracked concrete						Cracked Concrete					
	Model	M8	M10	M12	M16	M20	M24	M8	M10	M12	M16	M20	M24
Tension	HSL-4/HSL-4-G/HSL-4-SK[4]/HSL-4-B	7.8	9.9	12.0	16.8	23.5	30.9	4.0	5.3	8.6	12.0	16.8	22.0
Shear	HSL-3/HSL-3-SK[4]/HSL-3-B	10.4	20.2	29.9	33.7	62	68.3	10.4	18.3	20.2	33.7	62	44.1
	HSL-3-G	8.7	13.9	19.8	33.7	51.7	68.3	8.7	13.9	19.8	24.0	51.7	68.3
	HSL-3-GR	4.9	7.7	11.2	-	-	-	4.9	7.7	11.2	-	33.5	-

Remarks:

1. All the data applies to no edge distance, spacing and other influences.
2. For detail design method information, please refer to Fastening Technology Manual.
3. Data based on standard embedment depth, please refer to the Hilti Fastening Technology Manual for recommended loads for deeper embedments
4. HSL-4-SK only available in sizes M8-M12

Heavy-duty wedge anchor HSL4



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Ordering designation	Anchor length	Anchor size	Drill bit diameter	Drilling depth	Standard anchorage depth	Max. fixture thickness at standard anchorage depth	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HSL-4 M8/5	82	M8	12 mm	80 mm	60 mm	5 mm	14 mm	25 Nm	40 pc	**2237420**
HSL-4 M8/20	97	M8	12 mm	80 mm	60 mm	20 mm	14 mm	25 Nm	40 pc	**2237399**
HSL-4 M8/40	117	M8	12 mm	80 mm	60 mm	40 mm	14 mm	25 Nm	40 pc	**2237400**
HSL-4 M10/5	94	M10	15 mm	90 mm	70 mm	5 mm	17 mm	25 Nm	20 pc	**2237417**
HSL-4 M10/20	109	M10	15 mm	90 mm	70 mm	20 mm	17 mm	25 Nm	20 pc	**2237418**
HSL-4 M10/40	129	M10	15 mm	90 mm	70 mm	40 mm	17 mm	25 Nm	20 pc	**2237416**
HSL-4 M12/5	111	M12	18 mm	105 mm	80 mm	5 mm	20 mm	60 Nm	20 pc	**2237411**
HSL-4 M12/25	131	M12	18 mm	105 mm	80 mm	25 mm	20 mm	60 Nm	20 pc	**2237412**
HSL-4 M12/50	156	M12	18 mm	105 mm	80 mm	50 mm	20 mm	60 Nm	10 pc	**2237410**
HSL-4 M16/10	138	M16	24 mm	125 mm	100 mm	10 mm	26 mm	75 Nm	10 pc	**2237409**
HSL-4 M16/25	153	M16	24 mm	125 mm	100 mm	25 mm	26 mm	75 Nm	10 pc	**2237408**
HSL-4 M16/50	178	M16	24 mm	125 mm	100 mm	50 mm	26 mm	75 Nm	10 pc	**2237407**
HSL-4 M20/10	163	M20	28 mm	155 mm	125 mm	10 mm	31 mm	145 Nm	6 pc	**2237406**
HSL-4 M20/30	183	M20	28 mm	155 mm	125 mm	30 mm	31 mm	145 Nm	6 pc	**2237405**
HSL-4 M20/60	213	M20	28 mm	155 mm	125 mm	60 mm	31 mm	145 Nm	6 pc	**2237404**
HSL-4 M24/10	185	M24	32 mm	180 mm	150 mm	10 mm	35 mm	210 Nm	4 pc	**2237403**
HSL-4 M24/30	205	M24	32 mm	180 mm	150 mm	30 mm	35 mm	210 Nm	4 pc	**2237402**
HSL-4 M24/60	235	M24	32 mm	180 mm	150 mm	60 mm	35 mm	210 Nm	4 pc	**2237428**

Please visit Hilti website for the latest item numbers and related products

Heavy-duty wedge anchor HSL4-B



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Ordering designation	Anchor length	Anchor size	Drill bit diameter	Min. drilling depth for standard anchorage	Standard anchorage depth	Max. fixture thickness at standard anchorage depth	Base plate clearance hole	Sales pack quantity	Item number
HSL-4-B M12/5	121	M12	18 mm	105 mm	80 mm	5 mm	20 mm	20 pc	**2237422**
HSL-4-B M12/25	141	M12	18 mm	105 mm	80 mm	25 mm	20 mm	20 pc	**2237421**
HSL-4-B M12/50	166	M12	18 mm	105 mm	80 mm	50 mm	20 mm	10 pc	**2237423**
HSL-4-B M16/10	151	M16	24 mm	125 mm	100 mm	10 mm	26 mm	10 pc	**2237424**
HSL-4-B M16/25	166	M16	24 mm	125 mm	100 mm	25 mm	26 mm	10 pc	**2237425**
HSL-4-B M16/50	191	M16	24 mm	125 mm	100 mm	50 mm	26 mm	10 pc	**2237426**
HSL-4-B M20/10	178	M20	28 mm	155 mm	125 mm	10 mm	31 mm	6 pc	**2237429**
HSL-4-B M20/30	198	M20	28 mm	155 mm	125 mm	30 mm	31 mm	6 pc	**2237430**
HSL-4-B M20/60	228	M20	28 mm	155 mm	125 mm	60 mm	31 mm	6 pc	**2237431**
HSL-4-B M24/10	203	M24	32 mm	180 mm	150 mm	10 mm	35 mm	4 pc	**2237371**
HSL-4-B M24/30	223	M24	32 mm	180 mm	150 mm	30 mm	35 mm	4 pc	**2237372**
HSL-4-B M24/60	231	M24	32 mm	180 mm	150 mm	60 mm	35 mm	4 pc	**2237432**

Please visit Hilti website for the latest item numbers and related products

Heavy-duty wedge anchor HSL4-G

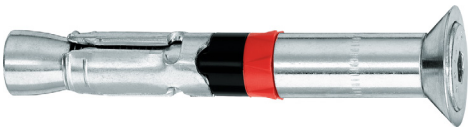


Order Now

Ordering designation	Anchor Length	Anchor size	Drill bit diameter	Min. drilling depth for standard anchorage	Standard anchorage depth	Max. fixture thickness at standard anchorage depth	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HSL-4-G M8/5	92	M8	12mm	80mm	60mm	5mm	14mm	25 Nm	40pc	**2237458**
HSL-4-G M8/20	107	M8	12mm	80mm	60mm	20mm	14mm	25 Nm	40pc	**2237456**
HSL-4-G M8/40	127	M8	12mm	80mm	60mm	40mm	14mm	25 Nm	40pc	**2237457**
HSL-4-G M8/100	187	M8	12mm	80mm	60mm	100mm	14mm	25 Nm	20pc	**2237455**
HSL-4-G M10/5	106	M10	15mm	90mm	70mm	5mm	17mm	27 Nm	20pc	**2237437**
HSL-4-G M10/20	121	M10	15mm	90mm	70mm	20mm	17mm	27 Nm	20pc	**2237435**
HSL-4-G M10/40	141	M10	15mm	90mm	70mm	40mm	17mm	27 Nm	20pc	**2237436**
HSL-4-G M10/100	201	M10	15mm	90mm	70mm	100mm	17mm	27 Nm	20pc	**2237434**
HSL-4-G M12/5	127	M12	18mm	105mm	80mm	5mm	20mm	60 Nm	20pc	**2237441**
HSL-4-G M12/25	147	M12	18mm	105mm	80mm	25mm	20mm	60 Nm	20pc	**2237440**
HSL-4-G M12/50	172	M12	18mm	105mm	80mm	50mm	20mm	60 Nm	20pc	**2237442**
HSL-4-G M12/100	222	M12	18mm	105mm	80mm	100mm	20mm	60 Nm	10pc	**2237439**
HSL-4-G M16/10	160	M16	24mm	125mm	100mm	10mm	26mm	75 Nm	10pc	**2237450**
HSL-4-G M16/25	175	M16	24mm	125mm	100mm	25mm	26mm	75 Nm	10pc	**2237444**
HSL-4-G M16/50	200	M16	24mm	125mm	100mm	50mm	26mm	75 Nm	10pc	**2237445**
HSL-4-G M16/100	260	M16	24mm	125mm	100mm	100mm	26mm	75 Nm	10pc	**2237451**
HSL-4-G M20/10	185	M20	28mm	155mm	125mm	10mm	31mm	105 Nm	6pc	**2237447**
HSL-4-G M20/30	205	M20	28mm	155mm	125mm	30mm	31mm	105 Nm	6pc	**2237449**
HSL-4-G M20/60	235	M20	28mm	155mm	125mm	60mm	31mm	105 Nm	6pc	**2237373**
HSL-4-G M20/100	275	M20	28mm	155mm	125mm	100mm	31mm	105 Nm	6pc	**2237448**
HSL-4-G M24/10	210	M24	32mm	180mm	150mm	10mm	35mm	180 Nm	4pc	**2237452**
HSL-4-G M24/30	230	M24	32mm	180mm	150mm	30mm	35mm	180 Nm	4pc	**2237453**
HSL-4-G M24/60	260	M24	32mm	180mm	150mm	60mm	35mm	180 Nm	4pc	**2237454**

Please visit Hilti website for the latest item numbers and related products

Heavy-duty wedge anchor HSL4-SK



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Ordering designation	Anchor length	Anchor size	Drill bit diameter	Min. drilling depth for standard anchorage	Anchorage depth	Min. fixture thickness	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HSL-4-SK M8/10	80	M8	12 mm	80 mm	60 mm	6 mm	14 mm	20 Nm	40 pc	**2237397**
HSL-4-SK M8/20	90	M8	12 mm	80 mm	60 mm	6 mm	14 mm	20 Nm	40 pc	**2237398**
HSL-4-SK M10/20	100	M10	15 mm	90 mm	70 mm	6 mm	17 mm	32 Nm	20 pc	**2237395**
HSL-4-SK M12/25	120	M12	18 mm	105 mm	80 mm	8 mm	20 mm	65 Nm	20 pc	**2237396**

Please visit Hilti website for the latest item numbers and related products

Heavy-duty expansion anchor HSL-3





BASE MATERIALS

- Concrete (cracked)
- Concrete (uncracked)

APPLICATIONS

- Heavy-duty fastenings in high safety-relevant or dynamic applications, including applications in nuclear power plants
- Heavy-duty applications e.g machines, heavy equipment, steel columns, heavy pipe supports, pumps, beam supports, medical equipment, cantilevers, cranes, car hoists, etc.

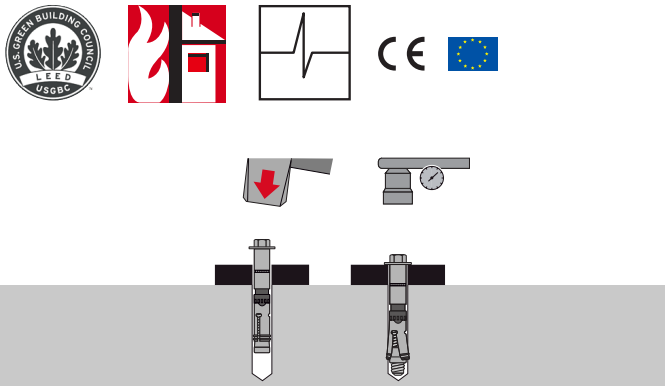
ADVANTAGES

- High tension and shear load capacities
- Force-controlled expansion which allows follow-up expansion

Technical data	
Material composition	(Galvanised) Bolt; steel, 8.8 grade, zinc plated (min. 5µm) (Stainless steel) Steel, A4 (SS316)
Head configuration	Hexagonal bolt, stud, countersunk and torque control
Type of fastening	Through-fastening
Approvals / Test reports	BZS/shock, ET, Fatigue, Fire, Nuclear (NQA-1). Seismic
IBC compliance	IBC 2003, IBC 2006, IBC 2009, IBC 2012

Approvals	
BZS/shock	BZS D 08-601 for HSL-3 heavy-duty expansion anchor
ETA	ETA 02/0042 for HSL-3 heavy-duty expansion anchor (ETAG 001-02, Option 1)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



These are abbreviated instructions which may vary according to the application.

Technical data

Recommended load (kN), concrete grade 25N/mm², standard embedment depth, safety factor(γ)=3

		Un-cracked concrete						Cracked Concrete					
	Model	**M8**	**M10**	**M12**	**M16**	**M20**	**M24**	**M8**	**M10**	**M12**	**M16**	**M20**	**M24**
Tension	HSL-3/HSL-3-G/HSL-3-SK[4]/HSL-3-B	7.8	9.9	12.0	16.8	23.5	30.9	4.0	5.3	8.6	12.0	16.8	22.0
	HSL-3-R/HSL-3-GR/HSL-3-SKR[4]	6.7	9.9	12.0	16.8	23.5	-	4.0	5.3	8.6	12.0	16.8	-
Shear	HSL-3/HSL-3-SK[4]/HSL-3-B	10.4	19.7	24.1	33.7	47.1	61.8	10.0	14.1	17.2	24.0	33.5	44.1
	HSL-3-G	8.7	13.9	19.8	33.7	47.1	61.8	8.7	13.9	17.2	24.0	33.5	44.1
	HSL-3-R/HSL-3-SKR[4]	15.6	19.7	24.1	33.7	47.1	-	11.2	14.1	17.2	24.0	33.5	-
	HSL-3-GR	13.4	19.6	24.1	33.7	47.1	-	11.2	14.1	17.2	24.0	33.5	-

Remarks:

1. All the data applies to no edge distance, spacing and other influences.
2. For detail design method information, please refer to Fastening Technology Manual.
3. Data based on standard embedment depth, please refer to the Hilti Fastening Technology Manual for recommended loads for deeper embedments
4. HSL-3-SK and HSL-3-SKR only available in sizes M8-M12

HSL-3-R (Hexagonal bolt head, stainless steel A4)



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Ordering designation	Anchor Length	Anchor size	Drill bit diameter	Fixture thickness, tfix,1	Fixture thickness, tfix,2	Min. drilling depth for fixture thickness, tfix,1	Min. drilling depth for fixture thickness, fix,2	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HSL-3-R M8 20/-/-	98	M8	12 mm	20 mm	-	80 mm	-	14 mm	25 Nm	40 pc	**2159877**[1)]
HSL-3-R M8 40/20/-	118	M8	12 mm	40 mm	20 mm	80 mm	100 mm	14 mm	25 Nm	40 pc	**2159878**[1)]
HSL-3-R M10 20/-/-	110	M10	15 mm	20 mm	-	90 mm	-	17 mm	35 Nm	20 pc	**2159980**[1)]
HSL-3-R M10 40/20/-	130	M10	15 mm	40 mm	20 mm	90 mm	110 mm	17 mm	35 Nm	20 pc	**2159981**[1)]
HSL-3-R M12 25/-/-	131	M12	18 mm	25 mm	-	105 mm	-	20 mm	80 Nm	20 pc	**2159983**
HSL-3-R M12 50/25/-	156	M12	18 mm	50 mm	25 mm	105 mm	130 mm	20 mm	80 Nm	10 pc	**2159984**
HSL-3-R M16 25/-/-	153	M16	24 mm	25 mm	-	125 mm	-	26 mm	120 Nm	10 pc	**2159986**
HSL-3-R M16 50/25/-	178	M16	24 mm	50 mm	25 mm	125 mm	150 mm	26 mm	120 Nm	10 pc	**2159987**
HSL-3-R M20 30/-/-	183	M20	28 mm	30 mm	-	155 mm	-	31 mm	200 Nm	6 pc	**2159989**
HSL-3-R M20 60/30/-	213	M20	28 mm	60 mm	30 mm	155 mm	185 mm	31 mm	200 Nm	6 pc	**2159990**

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

HSL-3-GR (Stud head, stainless steel A4)



Order Now

Ordering designation	Anchor Length	Anchor size	Drill bit diameter	Fixture thickness, tfix,1	Fixture thickness, tfix,2	Fixture thickness, tfix,3	Min. drilling depth for fixture thickness, tfix,1	Min. drilling depth for fixture thickness, fix,2	Min. drilling depth for fixture thickness, fix,3	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HSL-3-GR M8 20/-/-	102	M8	12 mm	20 mm	-	-	80 mm	-	-	14 mm	30 Nm	40 pc	**2159992**[1)]
HSL-3-GR M8 100/80/60	182	M8	12 mm	100 mm	80 mm	60 mm	80 mm	100 mm	120 mm	14 mm	30 Nm	40 pc	**2159994**[1)]
HSL-3-GR M10 20/-/-	115	M10	15 mm	20 mm	-	-	90 mm	-	-	17 mm	50 Nm	20 pc	**2159995**[1)]
HSL-3-GR M10 100/80/60	195	M10	15 mm	100 mm	80 mm	60 mm	90 mm	110 mm	130 mm	17 mm	50 Nm	20 pc	**2159997**[1)]
HSL-3-GR M12 25/-/-	139	M12	18 mm	25 mm	-	-	105 mm	-	-	20 mm	80 Nm	20 pc	**2159998**
HSL-3-GR M12 100/75/50	214	M12	18 mm	100 mm	75 mm	50 mm	105 mm	130 mm	155 mm	20 mm	80 Nm	10 pc	**2160000**
HSL-3-GR M16 25/-/-	163	M16	24 mm	25 mm	-	-	125 mm	-	-	26 mm	120 Nm	10 pc	**2160001**
HSL-3-GR M16 100/75/50	238	M16	24 mm	100 mm	75 mm	50 mm	125 mm	150 mm	175 mm	26 mm	120 Nm	10 pc	**2160003**
HSL-3-GR M20 30/-/-	190	M20	28 mm	30 mm	-	-	155 mm	-	-	31 mm	200 Nm	6 pc	**2160004**
HSL-3-GR M20 100/70/40	260	M20	28 mm	100 mm	70 mm	40 mm	155 mm	185 mm	215 mm	31 mm	200 Nm	6 pc	**2160006**

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

HSL-3-SKR (Countersunk head, stainless steel A4)



Order Now

Ordering designation	Anchor Length	Anchor size	Drill bit diameter	Fixture thickness	Min. drilling depth	Diameter of countersunk hole in fixture, df	Max. diameter of clearance hole, dh	Required tightening torque	Sales pack quantity	Item number
HSL-3-SKR M8/10	80	M8	12 mm	10 mm	80 mm	22.5 mm	14 mm	18 Nm	40 pc	**2159873**[1)]
HSL-3-SKR M8/20	90	M8	12 mm	20 mm	80 mm	22.5 mm	14 mm	18 Nm	40 pc	**2159874**[1)]
HSL-3-SKR M10/20	102	M10	15 mm	20 mm	90 mm	25.5 mm	17 mm	50 Nm	20 pc	**2159875**[1)]
HSL-3-SKR M12/25	120	M12	18 mm	25 mm	105 mm	32.9 mm	20 mm	80 Nm	20 pc	**2159876**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Safety anchor HSC-A (Externally threaded)





BASE MATERIALS

- Concrete (cracked)
- Concrete (uncracked)

APPLICATIONS

- Safety-relevant, medium-duty fastenings in cracked or uncracked concrete, especially where shallow embedment and/or small edge distance or close spacing is required
- Examples: stair hand rails, sprinkler pipes, air ducts, seating, facade substructures, car park barriers, etc.

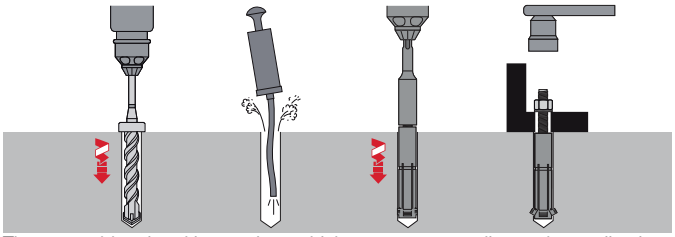
ADVANTAGES

- Shallow embedment depth for thin concrete slabs or where permissible drilling depth is limited
- Combines high working loads with small edge distances and close spacing thanks to very low expansion forces
- Self-undercutting facilitates fast and reliable installation - no separate undercutting tool or handling needed

Technical data	
Material composition	(Galvanized) Bolt: steel, 8.8 grade, zinc-plated (min. 5 µm); (Stainless steel) Steel, A4(SS316)
Head configuration	Externally threaded
Type of fastening	Pre-fastening
Additional product information	Meets approval requirements when installed using the specified stop drill bit, setting tool and rotary hammer
Installation direction	All

Approvals	
BZS/shock	BZS D 06-601 for HSC self-cutting undercut anchor
ETA	ETA 02/0027 for HSC self-cutting undercut anchor (ETAG 001-03, Option 1)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



These are abbreviated instructions which may vary according to the application.

Technical data

Recommended load (kN), non-cracked concrete at 25N/mm², safety factor(γ)=3

Model	Size	M8x40	M8x50	M10x40	M12x60
HSC-A	Tensile Load, Nrec	4.3	5.9	4.3	7.8
	Shear Load, Vrec	4.9	4.9	7.7	11.2
HSC-AR	Tensile Load, Nrec	4.3	5.9	4.3	7.8
	Shear Load, Vrec	4.3	4.3	6.8	9.8

Recommended load (kN), cracked concrete at 25N/mm², safety factor(γ)=3

Model	Size	M8x40	M8x50	M10x40	M12x60
HSC-A	Tensile Load, Nrec	3.0	4.2	3.0	5.6
	Shear Load, Vrec	4.9	4.9	6.1	11.2
HSC-AR	Tensile Load, Nrec	3.0	4.2	3.0	5.6
	Shear Load, Vrec	4.3	4.3	6.1	9.8

Remarks:
1) All the data applies to no edge distance, spacing and other influences
2) For detail design method and cracked concrete information, please refer to Fastening Technology Manual

HSC-A (Galvanized min. 5µm)

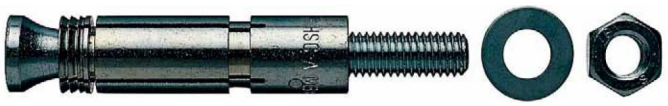


Order Now

Ordering designation	Anchor size	Anchor length	Drill bit diameter	Drilling depth	Anchorage depth	Max. fixture thickness at standard embedment depth	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HSC-A M8x40/15	M8	71.5 mm	14 mm	46 mm	40 mm	15 mm	9 mm	10 Nm	25 pc	**31139**
HSC-A M8x50/15	M8	81.5 mm	14 mm	56 mm	50 mm	15 mm	9 mm	10 Nm	25 pc	**31141**
HSC-A M10x40/20	M10	79.5 mm	16 mm	47 mm	40 mm	20 mm	12 mm	20 Nm	25 pc	**31140**
HSC-A M12x60/20	M12	103.5 mm	18 mm	68 mm	60 mm	20 mm	14 mm	30 Nm	20 pc	**15507**

Please visit Hilti website for the latest item numbers and related products

HSC-AR (Stainless steel A4)



Order Now

Ordering designation	Anchor size	Anchor length	Drill bit diameter	Drilling depth	Anchorage depth	Max. fixture thickness at standard embedment depth	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HSC-AR M8x40/15	M8	71.5 mm	14 mm	46 mm	40 mm	15 mm	9 mm	10 Nm	25 pc	**31148**
HSC-AR M8x50/15	M8	81.5 mm	14 mm	56 mm	50 mm	15 mm	9 mm	10 Nm	25 pc	**31150**
HSC-AR M10x40/20	M10	79.5 mm	16 mm	47 mm	40 mm	20 mm	12 mm	20 Nm	25 pc	**31149**
HSC-AR M12x60/20	M12	103.5 mm	18 mm	68 mm	60 mm	20 mm	14 mm	30 Nm	20 pc	**15506**

Please visit Hilti website for the latest item numbers and related products

Safety anchor HSC-I (Internally threaded)





BASE MATERIALS

- Concrete (cracked)
- Concrete (uncracked)

APPLICATIONS

- Safety-relevant, medium-duty fastenings in cracked or uncracked concrete, especially where shallow embedment and/or small edge distance or close spacing is required
- Examples: stair hand rails, sprinkler pipes, air ducts, seating, facade substructures, car park barriers, etc.

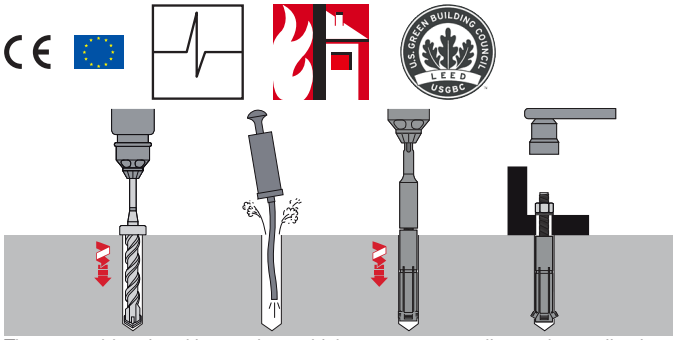
ADVANTAGES

- Shallow embedment depth for thin concrete slabs or where permissible drilling depth is limited
- Combines high working loads with small edge distances and close spacing thanks to very low expansion forces
- Self-undercutting facilitates fast and reliable installation - no separate undercutting tool or handling needed

Technical data	
Material composition	(Galvanized) Bolt: steel, 8.8 grade, zinc-plated (min. 5 µm); (Stainless steel) Steel, A4(SS316)
Head configuration	Inner thread
Type of fastening	Pre-fastening
Additional product information	Meets approval requirements when installed using the specified stop drill bit, setting tool and rotary hammer
Installation direction	All

Approvals	
BZS/shock	BZS D 06-601 for HSC self-cutting undercut anchor
ETA	ETA 02/0027 for HSC self-cutting undercut anchor (ETAG 001-03, Option 1)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



These are abbreviated instructions which may vary according to the application.

Technical data

Recommended load (kN), non-cracked concrete at 25N/mm², safety factor(γ)=3

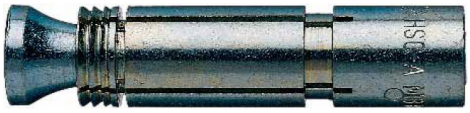
Model	Size	M6x40	M8x40	M8x50	M10x40	M12x60
HSC-I	Tensile Load, Nrec	4.3	4.3	5.9	7.8	7.8
	Shear Load, Vrec	2.7	4.1	5.1	5.1	6.1
HSC-IR	Tensile Load, Nrec	4.3	4.3	5.9	7.8	7.8
	Shear Load, Vrec	2.3	3.6	4.4	4.4	5.3

Recommended load (kN), cracked concrete at 25N/mm², safety factor(γ)=3

Model	Size	M6x40	M8x40	M8x50	M10x40	M12x60
HSC-I	Tensile Load, Nrec	3.0	3.0	4.2	5.6	5.6
	Shear Load, Vrec	2.7	4.1	5.1	5.1	6.1
HSC-IR	Tensile Load, Nrec	3.0	3.0	4.2	5.6	5.6
	Shear Load, Vrec	2.3	3.6	4.4	4.4	5.3

Remarks:
1) All the data applies to no edge distance, spacing and other influences
2) For detail design method and cracked concrete information, please refer to Fastening Technology Manual

HSC-I (Galvanized min. 5µm)



Order Now

Ordering designation	Anchor size	Anchor length	Drill bit diameter	Drilling depth	Anchorage depth	Screw depth Smin/Smax	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HSC-I M6x40	M6	43.0 mm	14 mm	46 mm	40 mm	6/16 mm	7 mm	10 Nm	25 pc	**31142**
HSC-I M8x40	M8	43.5 mm	16 mm	47 mm	40 mm	8/22 mm	9 mm	10 Nm	25 pc	**31143**
HSC-I M10x50	M10	54.5 mm	18 mm	56 mm	50 mm	10/28 mm	12 mm	20 Nm	25 pc	**31144**
HSC-I M10x60	M10	64.5 mm	18 mm	68 mm	60 mm	10/28 mm	12 mm	20 Nm	25 pc	**31145**[1)]
HSC-I M12x60	M12	64.5 mm	20 mm	69 mm	60 mm	12/30 mm	14 mm	30 Nm	25 pc	**31146**

[1)] This is a non-stock item. For detailed lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

HSC-IR (Stainless steel A4)



Order Now

Ordering designation	Anchor size	Anchor length	Drill bit diameter	Drilling depth	Anchorage depth	Screw depth Smin/Smax	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HSC-IR M6x40	M6	43.0 mm	14 mm	46 mm	40 mm	6/16 mm	7 mm	10 Nm	25 pc	**31151**[1)]
HSC-IR M8x40	M8	43.5 mm	16 mm	47 mm	40 mm	8/22 mm	9 mm	10 Nm	25 pc	**31152**
HSC-IR M10x50	M10	54.5 mm	18 mm	56 mm	50 mm	10/28 mm	12 mm	20 Nm	25 pc	**31153**
HSC-IR M10x60	M10	64.5 mm	18 mm	68 mm	60 mm	10/28 mm	12 mm	20 Nm	25 pc	**31154**[1)]
HSC-IR M12x60	M12	64.5 mm	20 mm	69 mm	60 mm	12/30 mm	14 mm	30 Nm	25 pc	**31155**

[1)] This is a non-stock item. For detailed lead time information please contact your Hilti representative.

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Stop drill bit TE-C-HSC-B

SDS plus



APPLICATIONS

- Special drill bit required for drilling HSC anchor holes with defined drilling depth

Technical data	
Dispenser, setting tool, accessory, tester type	Stop drill bits
Insert connection end	TE-C (SDS-plus)

Ordering designation	Drill bit diameter	Sales pack quantity	Item number
TE-C-HSC-B 14x40	14 mm	1 pc	**31157**
TE-C-HSC-B 14x50	14 mm	1 pc	**31158**
TE-C-HSC-B 16x40	16 mm	1 pc	**28568**
TE-C-HSC-B 18x50	18 mm	1 pc	**30708**
TE-C-HSC-B 18x60	18 mm	1 pc	**30709**
TE-C-HSC-B 20x60	20 mm	1 pc	**30710**

Please visit Hilti website for the latest item numbers and related products

Setting tool TE-C-HSC-MW

SDS plus



APPLICATIONS

- Setting tool required for the HSC safety anchor automatic self-undercutting operation

Technical data	
Dispenser, setting tool, accessory, tester type	Setting tools
Insert connection end	TE-C (SDS-plus)

Ordering designation	Connection end	Sales pack quantity	Item number
TE-C-HSC-MW14	TE-C	1 pc	**31169**
TE-C-HSC-MW16	TE-C	1 pc	**11267**
TE-C HSC-MW18	TE-C	1 pc	**71352**
TE-C-HSC-MW20	TE-C	1 pc	**71353**

Please visit Hilti website for the latest item numbers and related products

Stud anchor HST3





BASE MATERIALS

- Concrete (cracked)
- Concrete (uncracked)

APPLICATIONS

- Wide range of safety-relevant applications
- Structural steel, facade, mechanical equipment, racks, hand rails, etc.

ADVANTAGES

- High performance stud anchor in cracked concrete
- Highest resistance for geometrically challenging requirements, e.g.reduced member thickness, shortest spacing and edge distances. Extend concrete strength class range from C12/15 to C80/95
- Approved for use with two embedment depths included in the ETA

Technical data	
Material composition	(Galvanized) Steel, zinc-plated (min. 5 µm); (Stainless steel) Steel, A4 (SS316)
Head configuration	Externally threaded
Type of fastening	Pre-fastening, Through-fastening
Approvals / test reports	BZS/shock, ETA, Fire, Seismic

Technical data

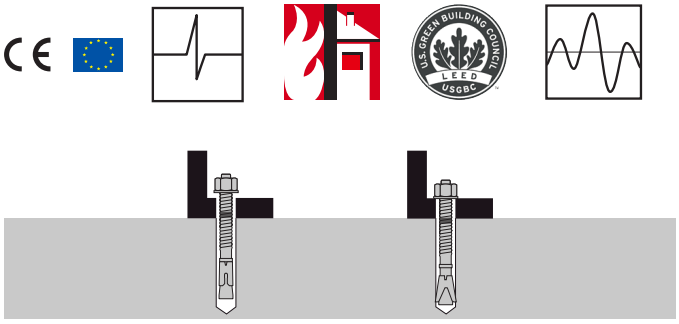
Recommended load (kN), cracked concrete at 25N/mm², safety factor(γ)=3

Model	Size	M8	M10	M12	M16	M20	M24
HST3	Tensile Load, Nrec	2.7	5.0	6.7	9.4	12.2	13.3
	Shear Load, Vrec	4.6	7.9	11.8	18.4	28.0	31.3
HST3-R	Tensile Load, Nrec	2.8	5.0	6.7	9.4	12.2	13.3
	Shear Load, Vrec	5.2	8.4	12.2	21.2	32.4	38.3

Remarks:
1) All the data applies to no edge distance, spacing and other influences
2) For detail design method and un-cracked concrete information, please refer to Fastening Technology Manual
3) Data based on standard embedment depth, please refer to the Hilti Fastening Technology Manual for recommended loads for shallower embedments

Approvals	
BZS/shock	BZS D 08-602
ETA, Seismic	ETA 98/0001 (ETAG 001-02, Option 1)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



These are abbreviated instructions which may vary according to the application.

HST3 (Galvanized min. 5 µm)



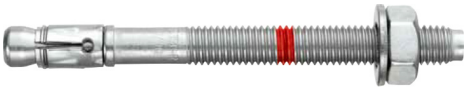
Order Now

Ordering designation	Anchor size	Anchor length	Drill bit diameter	Drill hole depth at embed. 1	Drill hole depth at embed. 2	Max. fixture thickness at embed. 1	Max. fixture thickness at embed. 2	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HST3 M8x75 -/10	M8	75 mm	8 mm	-	60 mm	-	10 mm	9 mm	20 Nm	100 pc	**2105888**
HST3 M8x95 -/30	M8	95 mm	8 mm	-	60 mm	-	30 mm	9 mm	20 Nm	80 pc	**2105889**
HST3 M8x115 -/50	M8	115 mm	8 mm	-	60 mm	-	50 mm	9 mm	20 Nm	50 pc	**2105890**
HST3 M10x70 10/-	M10	70 mm	10 mm	53 mm		10 mm	-	9 mm	20 Nm	50 pc	**2113974**[1)]
HST3 M10x80 20/-	M10	80 mm	10 mm	53 mm	-	20 mm	-	9 mm	20 Nm	50 pc	**2113975**[1)]
HST3 M10x90 30/10	M10	90 mm	10 mm	53 mm	73 mm	30 mm	10 mm	12 mm	45 Nm	50 pc	**2105712**
HST3 M10x110 50/30	M10	110 mm	10 mm	53 mm	73 mm	50 mm	30 mm	12 mm	45 Nm	40 pc	**2105714**
HST3 M10x130 70/50	M10	130 mm	10 mm	53 mm	73 mm	70 mm	50 mm	12 mm	45 Nm	25 pc	**2105715**
HST3 M10x160 100/80	M10	160 mm	10 mm	53 mm	73 mm	100 mm	80 mm	12 mm	45 Nm	25 pc	**2105716**[1)]
HST3 M12x85 10/-	M12	85 mm	12 mm	68 mm	-	10 mm	-	14 mm	60 Nm	25 pc	**2113978**[1)]
HST3 M12x95 20/-	M12	95 mm	12 mm	68 mm	-	20 mm	-	14 mm	60 Nm	25 pc	**2113979**[1)]
HST3 M12x115 40/20	M12	115 mm	12 mm	68 mm	88 mm	40 mm	20 mm	14 mm	60 Nm	25 pc	**2105719**
HST3 M12x145 70/50	M12	145 mm	12 mm	68 mm	88 mm	70 mm	50 mm	14 mm	60 Nm	25 pc	**2105851**
HST3 M12x185 110/90	M12	185 mm	12 mm	68 mm	88 mm	110 mm	90 mm	14 mm	60 Nm	25 pc	**2105853**
HST3 M12x215 140/120	M12	215 mm	12 mm	68 mm	88 mm	140 mm	120 mm	14 mm	60 Nm	25 pc	**2105854**[1)]
HST3 M12x235 160/140	M12	235 mm	12 mm	68 mm	88 mm	160 mm	140 mm	14 mm	60 Nm	25 pc	**2105855**[1)]
HST3 M12x255 180/160	M12	255 mm	12 mm	68 mm	88 mm	180 mm	160 mm	14 mm	60 Nm	25 pc	**2105856**[1)]
HST3 M16x115 15/-	M16	115 mm	16 mm	86 mm		15 mm	-	18 mm	110 Nm	12 pc	**2114053**[1)]
HST3 M16x145 45/25	M16	145 mm	16 mm	86 mm	106 mm	45 mm	25 mm	18 mm	110 Nm	12 pc	**2105859**
HST3 M16x170 70/50	M16	170 mm	16 mm	86 mm	106 mm	70 mm	50 mm	18 mm	110 Nm	12 pc	**2105860**
HST3 M16x220 120/100	M16	220 mm	16 mm	86 mm	106 mm	120 mm	100 mm	18 mm	110 Nm	12 pc	**2105861**[1)]
HST3 M16x260 160/140	M16	260 mm	16 mm	86 mm	106 mm	160 mm	140 mm	18 mm	110 Nm	12 pc	**2105862**[1)]
HST3 M20x170 -/30	M20	170 mm	20 mm	-	124 mm	-	30 mm	22 mm	180 Nm	5 pc	**2105891**
HST3 M20x200 -/60	M20	200 mm	20 mm	-	124 mm	-	60 mm	22 mm	180 Nm	5 pc	**2105892**
HST3 M20x260 -/120	M20	260 mm	20 mm	-	124 mm	-	120 mm	22 mm	180 Nm	5 pc	**2105893**[1)]
HST3 M24x200 -/30	M24	200 mm	24 mm	-	151 mm	-	30 mm	26 mm	300 Nm	5 pc	**2105894**
HST3 M24x230 -/60	M24	230 mm	24 mm	-	151 mm	-	60 mm	26 mm	300 Nm	5 pc	**2105895**

[1)] This is a non-stock item. For detailed lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

HST3-R (Stainless Steel A4)



Order Now

Ordering designation	Anchor size	Anchor length	Drill bit diameter	Drilling Hole Depth at embed. 1	Drilling Hole Depth at embed. 2	Max. fixture thickness at embed. 1	Max. fixture thickness at embed. 2	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HST3-R M8x75 -/10	M8	75 mm	8 mm	-	60 mm	-	10 mm	9 mm	20 Nm	50 pc	**2105896**
HST3-R M8x95 -/30	M8	95 mm	8 mm	-	60 mm	-	30 mm	9 mm	20 Nm	50 pc	**2105897**
HST3-R M8x115 -/50	M8	115 mm	8 mm	-	60 mm	-	50 mm	9 mm	20 Nm	50 pc	**2105898**
HST3-R M10x70 10/-	M10	70 mm	10 mm	53 mm	-	10 mm	-	12 mm	45 Nm	50 pc	**2113976**
HST3-R M10x80 20/-	M10	80 mm	10 mm	53 mm	-	20 mm	-	12 mm	45 Nm	50 pc	**2113977**
HST3-R M10x90 30/10	M10	90 mm	10 mm	53 mm	73 mm	30 mm	10 mm	12 mm	45 Nm	50 pc	**2105864**
HST3-R M10x110 50/30	M10	110 mm	10 mm	53 mm	73 mm	50 mm	30 mm	12 mm	45 Nm	40 pc	**2105866**
HST3-R M10x130 70/50	M10	130 mm	10 mm	53 mm	73 mm	70 mm	50 mm	12 mm	45 Nm	25 pc	**2105867**
HST3-R M10x160 100/80	M10	160 mm	10 mm	53 mm	73 mm	100 mm	80 mm	12 mm	45 Nm	25 pc	**2105868**
HST3-R M12x85 10/-	M12	85 mm	12 mm	68 mm	-	10 mm	-	14 mm	60 Nm	25 pc	**2114051**
HST3-R M12x95 20/-	M12	95 mm	12 mm	68 mm	-	20 mm	-	14 mm	60 Nm	25 pc	**2114052**
HST3-R M12x115 40/20	M12	115 mm	12 mm	68 mm	88 mm	40 mm	20 mm	14 mm	60 Nm	25 pc	**2105870**
HST3-R M12x145 70/50	M12	145 mm	12 mm	68 mm	88 mm	70 mm	50 mm	14 mm	60 Nm	25 pc	**2105872**
HST3-R M12x185 110/90	M12	185 mm	12 mm	68 mm	88 mm	110 mm	90 mm	14 mm	60 Nm	25 pc	**2105874**

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

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Ordering designation	Anchor size	Anchor length	Drill bit diameter	Drilling Hole Depth at embed. 1	Drilling Hole Depth at embed. 2	Max. fixture thickness at embed. 1	Max. fixture thickness at embed. 2	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HST3-R M12x215 140/120	M12	215 mm	12 mm	68 mm	88 mm	140 mm	120 mm	14 mm	60 Nm	25 pc	**2105875**
HST3-R M16x115 15/-	M16	115 mm	16 mm	86 mm	-	15 mm	-	18 mm	110 Nm	12 pc	**2114057**
HST3-R M16x145 45/25	M16	145 mm	16 mm	86 mm	106 mm	45 mm	25 mm	18 mm	110 Nm	12 pc	**2105877**
HST3-R M16x170 70/50	M16	170 mm	16 mm	86 mm	106 mm	70 mm	50 mm	18 mm	110 Nm	12 pc	**2105878**
HST3-R M16x220 120/100	M16	220 mm	16 mm	86 mm	106 mm	120 mm	100 mm	18 mm	110 Nm	12 pc	**2105879**
HST3-R M16x260 160/140	M16	260 mm	16 mm	86 mm	106 mm	160 mm	140 mm	18 mm	110 Nm	12 pc	**2105880**[1)]
HST3-R M16x300 200/180	M16	300 mm	16 mm	86 mm	106 mm	200 mm	180 mm	18 mm	110 Nm	12 pc	**2105881**[1)]
HST3-R M20X170 -/30	M20	170 mm	20 mm	-	124 mm	-	30 mm	22 mm	180 Nm	5 pc	**2105899**
HST3-R M20X200 -/60	M20	200 mm	20 mm	-	124 mm	-	60 mm	22 mm	180 Nm	5 pc	**2105900**
HST3-R M24X200 -/30	M24	200 mm	24 mm	-	151 mm	-	30 mm	26 mm	300 Nm	5 pc	**2105901**
HST3-R M24X230 -/60	M24	230 mm	24 mm	-	151 mm	-	60 mm	26 mm	300 Nm	5 pc	**2105902**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Setting tool and adaptive torque system



Fleet Management



① 

② 

③ 

Ordering designation	Wrench size	Length	Sales pack quantity	Item number
SI-S 1/2"-13 L ① ②	13 mm	80 mm	1 pc	**2070389**
SI-S 1/2"-17 L	17 mm	80 mm	1 pc	**2070392**
SI-S 1/2"-19 L	19 mm	80 mm	1 pc	**2070394**
HS-SC M8-M16 ③	-	-	1 pc	**2051443**

Please visit Hilti website for the latest item numbers and related products

Standard stud anchor HSA





BASE MATERIALS

- Concrete (uncracked)

APPLICATIONS

- Wide range of fastening applications in concrete
- Fastening facade brackets
- Fastening columns and beams
- Fastening brackets and channels

ADVANTAGES

- ETA-approved torquing using SIW 14-A or 22-A impact wrench and S-TB
- Fast and easy anchor setting with HS-SC and S-TB
- Excellent edge and spacing distances
- 3 embedment depths offering maximum flexibility
- Suitable for presetting and through-fastening in uncracked concrete

Approvals	
ETA	ETA 11/0374 for HSA stud anchor (ETAG 001-02, Option 7)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



These are abbreviated instructions which may vary according to the application.

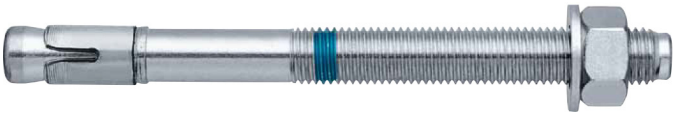
Technical data	
Material composition	(Galvanized) Steel, zinc-plated (min. 5 µm); (Hot-dip galvanized) Steel, hot-dip galvanized (min. 5 µm); (Stainless steel) Steel, A4(SS316), A2(SS304)
Head configuration	Externally threaded
Type of fastening	Pre-fastening, Through-fastening
Approvals / test reports	ETA, Fire

Recommended load (kN), non-cracked concrete at 25N/mm², safety factor(γ)=3

Model	Size	M6	M8	M10	M12	M16	M20
HSA	Tensile Load, Nrec	2.5	4.2	5.9	8.8	12.0	16.8
	Shear Load, Vrec	2.1	3.5	6.3	9.8	17.0	28.6
HSA-R/R2	Tensile Load, Nrec	2.5	4.2	5.9	8.8	12.0	16.8
	Shear Load, Vrec	2.4	4.1	7.5	9.7	18.8	30.6

Remarks:
1) All the data applies to no edge distance, spacing and other influences
2) For detail design method, please refer to Fastening Technology Manual
3) Data based on standard embedment depth, please refer to the Hilti Fastening Technology Manual for recommended loads for shallower and deeper embedments

HSA (Galvanized min. 5µm)



Order Now

Ordering designation	Anchor size	Anchor length	Drill bit diameter	Drill. hole depth at embed.1	Drill. hole depth at embed.2	Drill. hole depth at embed.3	Fastening thick-ness at embed.1	Fastening thick-ness at embed.2	Fastening thick-ness at embed.3	Base plate clear-ance hole	Required tight-ening torque	Sales pack quantity	Item number
HSA M6x50 5/-/-	M6	50 mm	6 mm	42 mm	-	-	5 mm	-	-	7 mm	5 Nm	200 pc	**2036084**
HSA M6x65 20/10/-	M6	65 mm	6 mm	42 mm	52 mm	-	20 mm	10 mm	-	7 mm	5 Nm	200 pc	**2036085**
HSA M6x85 40/30/10	M6	85 mm	6 mm	42 mm	52 mm	72 mm	40 mm	30 mm	10 mm	7 mm	5 Nm	100 pc	**2036086**
HSA M6x100 55/45/25	M6	100 mm	6 mm	42 mm	52 mm	72 mm	55 mm	45 mm	25 mm	7 mm	5 Nm	100 pc	**2036087**
HSA M8x55 5/-/-	M8	54.5 mm	8 mm	44 mm	-	-	5 mm	-	-	9 mm	15 Nm	100 pc	**2004122**
HSA M8x70 20/10/-	M8	69.5 mm	8 mm	44 mm	54 mm	-	20 mm	10 mm	-	9 mm	15 Nm	100 pc	**2004123**
HSA M8x85 35/25/-	M8	84.5 mm	8 mm	44 mm	54 mm	-	35 mm	25 mm	-	9 mm	15 Nm	80 pc	**2004124**
HSA M8x105 55/45/15	M8	104.5 mm	8 mm	44 mm	54 mm	84 mm	55 mm	45 mm	15 mm	9 mm	15 Nm	50 pc	**2004125**
HSA M8x130 80/70/40	M8	129.5 mm	8 mm	44 mm	54 mm	84 mm	80 mm	70 mm	40 mm	9 mm	15 Nm	50 pc	**2004126**[1)]
HSA M10X68 5/-/-	M10	68 mm	10 mm	55 mm	-	-	5 mm	-	-	12 mm	25 Nm	50 pc	**2004127**
HSA M10x83 20/10/-	M10	83 mm	10 mm	55 mm	65 mm	-	20 mm	10 mm	-	12 mm	25 Nm	50 pc	**2004128**
HSA M10x98 35/25/-	M10	98 mm	10 mm	55 mm	65 mm	-	35 mm	25 mm	-	12 mm	25 Nm	40 pc	**2004129**
HSA M10x113 50/40/10	M10	113 mm	10 mm	55 mm	65 mm	95 mm	50 mm	40 mm	10 mm	12 mm	25 Nm	40 pc	**2004150**
HSA M10x133 70/60/30	M10	133 mm	10 mm	55 mm	65 mm	95 mm	70 mm	60 mm	30 mm	12 mm	25 Nm	25 pc	**2004151**[1)]
HSA M10x153 90/80/50	M10	153 mm	10 mm	55 mm	65 mm	95 mm	90 mm	80 mm	50 mm	12 mm	25 Nm	25 pc	**2004152**
HSA M10x168 105/95/65	M10	168 mm	10 mm	55 mm	65 mm	95 mm	105 mm	95 mm	65 mm	12 mm	25 Nm	25 pc	**2004153**[1)]
HSA M12x85 5/-/-	M12	84.5 mm	12 mm	72 mm	-	-	5 mm	-	-	14 mm	50 Nm	25 pc	**2004154**
HSA M12x100 20/5/-	M12	99.5 mm	12 mm	72 mm	87 mm	-	20 mm	5 mm	-	14 mm	50 Nm	25 pc	**2004155**
HSA M12x115 35/20/-	M12	114.5 mm	12 mm	72 mm	87 mm	-	35 mm	20 mm	-	14 mm	50 Nm	25 pc	**2004156**
HSA M12x145 65/50/15	M12	144.5 mm	12 mm	72 mm	87 mm	122 mm	65 mm	50 mm	15 mm	14 mm	50 Nm	25 pc	**2004157**
HSA M12x175 95/80/45	M12	174.5 mm	12 mm	72 mm	87 mm	122 mm	95 mm	80 mm	45 mm	14 mm	50 Nm	25 pc	**2004158**
HSA M12x205 25/110/75	M12	204.5 mm	12 mm	72 mm	87 mm	122 mm	125 mm	110 mm	75 mm	14 mm	50 Nm	25 pc	**2004159**[1)]
HSA M12x225 45/130/95	M12	224.5 mm	12 mm	72 mm	87 mm	122 mm	145 mm	130 mm	95 mm	14 mm	50 Nm	25 pc	**2004160**[1)]
HSA M16x102 5/-/-	M16	101.5 mm	16 mm	85 mm	-	-	5 mm	-	-	18 mm	80 Nm	16 pc	**2004161**
HSA M16x117 20/5/-	M16	116.5 mm	16 mm	85 mm	100 mm	-	20 mm	25 mm	-	18 mm	80 Nm	16 pc	**2004162**
HSA M16x137 40/25/-	M16	136.5 mm	16 mm	85 mm	100 mm	-	40 mm	25 mm	-	18 mm	80 Nm	16 pc	**2004163**
HSA M16x182 85/70/30	M16	181.5 mm	16 mm	85 mm	100 mm	140 mm	85 mm	70 mm	30 mm	18 mm	80 Nm	16 pc	**2004164**
HSA M16x232 35/120/80	M16	231.5 mm	16 mm	85 mm	100 mm	140 mm	135 mm	120 mm	80 mm	18 mm	80 Nm	16 pc	**2004165**
HSA M20x125 10/-/-	M20	125 mm	20 mm	98 mm	-	-	10 mm	-	-	22 mm	200 Nm	10 pc	**2036088**
HSA M20x170 55/30/-	M20	170 mm	20 mm	98 mm	123 mm	138 mm	55 mm	30 mm	15 mm	22 mm	200 Nm	10 pc	**2036089**

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

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HSA-F (Hot-dip galvanized min. 35µm)



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Ordering designation	Anchor size	Anchor length	Drill bit diameter	Drilling Hole Depth at embed. 1	Drilling Hole Depth at embed. 2	Drilling Hole Depth at embed. 3	Fastening thickness at embed.1	Fastening thickness at embed.2	Fastening thickness at embed.3	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HSA-F M8x55 5/-/-	M8	54.5 mm	8 mm	44 mm	-	-	5 mm	-	-	9 mm	15 Nm	100 pc	**2004113**
HSA-F M8x70 20/10/-	M8	69.5 mm	8 mm	44 mm	54 mm	-	20 mm	10 mm	-	9 mm	15 Nm	100 pc	**2004114**
HSA-F M8x85 35/25/-	M8	84.5 mm	8 mm	44 mm	54 mm	-	35 mm	25 mm	-	9 mm	15 Nm	80 pc	**2004115**
HSA-F M8x105 55/45/15	M8	104.5 mm	8 mm	44 mm	54 mm	84 mm	55 mm	45 mm	15 mm	9 mm	15 Nm	50 pc	**2004116**[1)]
HSA-F M8x130 80/70/40	M8	129.5 mm	8 mm	44 mm	54 mm	84 mm	80 mm	70 mm	40 mm	9 mm	15 Nm	50 pc	**2004117**[1)]
HSA-F M10x68 5/-/-	M10	68 mm	10 mm	55 mm	-	-	5 mm	-	-	12 mm	25 Nm	50 pc	**2004118**[1)]
HSA-F M10x83 20/10/-	M10	83 mm	10 mm	55 mm	65 mm	-	20 mm	10 mm	-	12 mm	25 Nm	50 pc	**2004119**
HSA-F M10x113 50/40/10	M10	113 mm	10 mm	55 mm	65 mm	95 mm	50 mm	40 mm	10 mm	12 mm	25 Nm	40 pc	**2004171**
HSA-F M12x85 5/-/-	M12	84.5 mm	12 mm	72 mm	-	-	5 mm	-	-	14 mm	50 Nm	25 pc	**2004172**
HSA-F M12x100 20/5/-	M12	99.5 mm	12 mm	72 mm	87 mm	-	20 mm	5 mm	-	14 mm	50 Nm	25 pc	**2004173**
HSA-F M12x115 35/20/-	M12	114.5 mm	12 mm	72 mm	87 mm	-	35 mm	20 mm	-	14 mm	50 Nm	25 pc	**2004174**
HSA-F M12x145 65/50/15	M12	144.5 mm	12 mm	72 mm	87 mm	122 mm	65 mm	50 mm	15 mm	14 mm	50 Nm	25 pc	**2004175**
HSA-F M12x225 145/130/95	M12	224.5 mm	12 mm	72 mm	87 mm	122 mm	145 mm	130 mm	95 mm	14 mm	50 Nm	25 pc	**2004176**[1)]
HSA-F M16x102 5/-/-	M16	101.5 mm	16 mm	85 mm	-	-	5 mm	-	-	18 mm	80 Nm	16 pc	**2004177**[1)]
HSA-F M16x137 40/25/-	M16	136.5 mm	16 mm	85 mm	100 mm	-	40 mm	25 mm	-	18 mm	80 Nm	16 pc	**2004178**
HSA-F M16x182 85/70/30	M16	181.5 mm	16 mm	85 mm	100 mm	140 mm	85 mm	70 mm	30 mm	18 mm	80 Nm	16 pc	**2004179**
HSA-F M20x125 10/-/-	M20	125 mm	20 mm	98 mm	-	-	10 mm	-	-	22 mm	200 Nm	10 pc	**2036312**[1)]
HSA-F M20x170 55/30/-	M20	170 mm	20 mm	98 mm	123 mm	138 mm	55 mm	30 mm	15 mm	22 mm	200 Nm	10 pc	**2036313**

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

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HSA-R (Stainless steel A4)



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Ordering designation	Anchor size	Anchor length	Drill bit diameter	Drilling Hole Depth at embed. 1	Drilling Hole Depth at embed. 2	Drilling Hole Depth at embed. 3	Fastening thickness at embed.1	Fastening thickness at embed.2	Fastening thickness at embed.3	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HSA-R M6x50 5/-/-	M6	50 mm	6 mm	42 mm	-	-	5 mm	-	-	7 mm	5 Nm	200 pc	**2036314**
HSA-R M6x65 20/10/-	M6	65 mm	6 mm	42 mm	52 mm	-	20 mm	10 mm	-	7 mm	5 Nm	200 pc	**2036315**
HSA-R M6x85 40/30/10	M6	85 mm	6 mm	42 mm	52 mm	72 mm	40 mm	30 mm	10 mm	7 mm	5 Nm	100 pc	**2036316**
HSA-R M8x55 5/-/-	M8	54.5 mm	8 mm	44 mm	-	-	5 mm	-	-	9 mm	15 Nm	100 pc	**2004197**
HSA-R M8x70 20/10/-	M8	69.5 mm	8 mm	44 mm	54 mm	-	20 mm	10 mm	-	9 mm	15 Nm	100 pc	**2004198**
HSA-R M8x85 35/25/-	M8	84.5 mm	8 mm	44 mm	54 mm	-	35 mm	25 mm	-	9 mm	15 Nm	80 pc	**2004199**
HSA-R M8x105 55/45/15	M8	104.5 mm	8 mm	44 mm	54 mm	84 mm	55 mm	45 mm	15 mm	9 mm	15 Nm	50 pc	**2004200**
HSA-R M10x68 5/-/-	M10	68 mm	10 mm	55 mm	-	-	5 mm	-	-	12 mm	25 Nm	50 pc	**2004201**
HSA-R M10x83 20/10/-	M10	83 mm	10 mm	55 mm	65 mm	-	20 mm	10 mm	-	12 mm	25 Nm	50 pc	**2004202**
HSA-R M10x98 35/25/-	M10	98 mm	10 mm	55 mm	65 mm	-	35 mm	25 mm	-	12 mm	25 Nm	40 pc	**2004203**
HSA-R M10x113 50/40/10	M10	113 mm	10 mm	55 mm	65 mm	95 mm	50 mm	40 mm	10 mm	12 mm	25 Nm	40 pc	**2004204**
HSA-R M10x133 70/60/30	M10	133 mm	10 mm	55 mm	65 mm	95 mm	70 mm	60 mm	30 mm	12 mm	25 Nm	25 pc	**2004205**[1)]
HSA-R M10x153 90/80/50	M10	153 mm	10 mm	55 mm	65 mm	95 mm	90 mm	80 mm	50 mm	12 mm	25 Nm	25 pc	**2004206**[1)]
HSA-R M12x85 5/-/-	M12	84.5 mm	12 mm	72 mm	-	-	5 mm	-	-	14 mm	50 Nm	25 pc	**2004207**
HSA-R M12x100 20/5/-	M12	99.5 mm	12 mm	72 mm	87 mm	-	20 mm	5 mm	-	14 mm	50 Nm	25 pc	**2004208**
HSA-R M12x115 35/20/-	M12	114.5 mm	12 mm	72 mm	87 mm	-	35 mm	20 mm	-	14 mm	50 Nm	25 pc	**2004209**
HSA-R M12x145 65/50/15	M12	144.5 mm	12 mm	72 mm	87 mm	122 mm	65 mm	50 mm	15 mm	14 mm	50 Nm	25 pc	**2004210**[1)]
HSA-R M12x175 95/80/45	M12	174.5 mm	12 mm	72 mm	87 mm	122 mm	95 mm	80 mm	45 mm	14 mm	50 Nm	25 pc	**2004211**[1)]
HSA-R M12x205 125/110/75	M12	204.5 mm	12 mm	72 mm	87 mm	122 mm	125 mm	110 mm	75 mm	14 mm	50 Nm	25 pc	**2004212**[1)]
HSA-R M12x225 145/130/95	M12	224.5 mm	12 mm	72 mm	87 mm	122 mm	145 mm	130 mm	95 mm	14 mm	50 Nm	25 pc	**2004213**[1)]
HSA-R M16x102 5/-/-	M16	101.5 mm	16 mm	85 mm	-	-	5 mm	-	-	18 mm	80 Nm	16 pc	**2004214**
HSA-R M16x117 20/5/-	M16	116.5 mm	16 mm	85 mm	100 mm	-	20 mm	25 mm	-	18 mm	80 Nm	16 pc	**2004215**[1)]
HSA-R M16x137 40/25/-	M16	136.5 mm	16 mm	85 mm	100 mm	-	40 mm	25 mm	-	18 mm	80 Nm	16 pc	**2004216**
HSA-R M16x182 85/70/30	M16	181.5 mm	16 mm	85 mm	100 mm	140 mm	85 mm	70 mm	30 mm	18 mm	80 Nm	16 pc	**2004217**
HSA-R M20x125 10/-/-	M20	125 mm	20 mm	98 mm	-	-	10 mm	-	-	22 mm	200 Nm	10 pc	**2036317**[1)]
HSA-R M20x170 55/30/-	M20	170 mm	20 mm	98 mm	123 mm	138 mm	55 mm	30 mm	15 mm	22 mm	200 Nm	10 pc	**2036318**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

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HSA-R2 (Stainless steel A2)



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Ordering designation	Anchor size	Drill bit diameter	Fastening thickness at embed.2	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HSA-R2 M8x70 20/10/-	M8	8 mm	10 mm	9 mm	15 Nm	100 pc	**2004218**
HSA-R2 M10x83 20/10/-	M10	10 mm	10 mm	12 mm	25 Nm	50 pc	**2004219**
HSA-R2 M12x100 20/5/-	M12	12 mm	5 mm	14 mm	50 Nm	25 pc	**2004220**
HSA-R2 M12x115 35/20/-	M12	12 mm	20 mm	14 mm	50 Nm	25 pc	**2004221**[1)]
HSA-R2 M16x137 40/25/-	M16	16 mm	40 mm	18 mm	80 Nm	16 pc	**2004222**

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

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Torque bar S-TB



APPLICATIONS

- For setting HSA stud anchors with maximum accuracy and productivity

Technical data	
Base material	Concrete (uncracked)
Connection end size	12.7 mm
Drive connection	1/2 in square, female

Ordering designation	Drive connection	Drive head	Material coating/ plating/finish	Material composition	Tool type	Base material	Connection end size	Sales pack quantity	Item number
S-TB HSA M8	1/2 in square, female	1/2 in, square, male	Black	Impact-grade chrome molybdenum steel	Impact tools, SIW	Concrete (uncracked)	12.7 mm	1 pc	**423774**
S-TB HSA M10	1/2 in square, female	1/2 in, square, male	Black	Impact-grade chrome molybdenum steel	Impact tools, SIW	Concrete (uncracked)	12.7 mm	1 pc	**423775**
S-TB HSA M12	1/2 in square, female	1/2 in, square, male	Black	Impact-grade chrome molybdenum steel	Impact tools, SIW	Concrete (uncracked)	12.7 mm	1 pc	**423776**
S-TB HSA M16	1/2 in square, female	1/2 in, square, male	Black	Impact-grade chrome molybdenum steel	Impact tools, SIW	Concrete (uncracked)	12.7 mm	1 pc	**423777**

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Setting tool and torque bar





Fleet Management

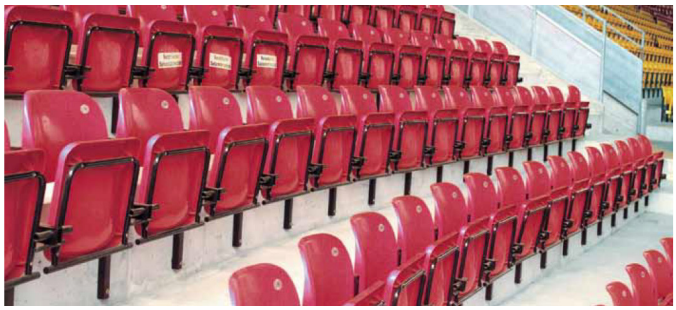
① ②



Ordering designation	Description	Outside diameter	Length	Package	Item no.
S-TB HSA M8	Torque bar S-TB HSA M8 (For HSA/HSA-R M8)	20 mm	215 mm	1 pc	**423774**
S-TB HSA M10 ①	Torque bar S-TB HSA M10 (For HSA/HSA-R M10)	26 mm	174 mm	1 pc	**423775**
S-TB HSA M12	Torque bar S-TB HSA M12 (For HSA/HSA-R M12)	28 mm	174 mm	1 pc	**423776**
S-TB HSA M16	Torque bar S-TB HSA M16 (For HSA/HSA-R M16)	34 mm	174 mm	1 pc	**423777**
HS-SC M8-M16 ②	Setting tool HS-SC M8-M16	-	-	1 pc	**2051443**

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Screw anchor HUS3





BASE MATERIALS

- Concrete (aerated)
- Concrete (cracked)
- Concrete (hollow deck)
- Concrete (uncracked)
- Masonry (solid)

APPLICATIONS

- Railings and handrails
- Structural steel
- Formwork and bracing
- Temporary applications
- Base plate fastening in steel and metal applications

ADVANTAGES

- Higher productivity - less drilling and fewer operations than with conventional anchors
- Reduced edge and spacing distances
- Hex bolt head style for convenient installation using the SIW 22T-A impact wrench
- Adjustable screw
- For use in both cracked and uncracked concrete
- Reusable (applicable for HUS3-H/-C 8, 10 and HUS3-H 14)

Technical data	
Material composition	Steel, zinc-plated (min. 5 µm)
Material, corrosion	Carbon steel
Suitable for cracked concrete with redundant fastenings	Yes

Recommended load (kN), non-cracked concrete at 25N/mm², safety factor(γ)=3

Model	Size	M6	M8	M10	M14 (HUS3-H only)
Standard embedment depth		55	60	75	85
HUS3-H/C	Tensile Load, Nrec	3.0	4.0	6.7	9.1
	Shear Load, Vrec	4.2	5.7	9.3	15.0

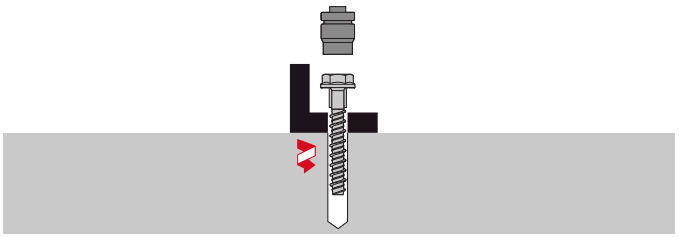
Recommended load (kN), cracked concrete at 25N/mm², safety factor(γ)=3

Model	Size	M6	M8	M10	M14 (HUS3-H only)
Standard embedment depth		-	60	75	85
HUS3-H/C	Tensile Load, Nrec	3)	3.0	5.4	6.5
	Shear Load, Vrec	3)	5.7	9.3	13.0

Remarks:
1) All the data applies to no edge distance, spacing and other influences
2) For detail design method, please refer to Fastening Technology Manual
3) For redundant fastening only, please contact Hilti for technical assistance

Approvals	
ETA, Seismic	ETA-13/1038 for HUS3 screw anchor

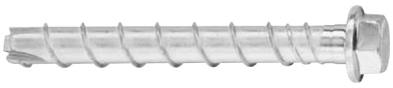
Approvals and test reports may apply to selected products only. Please refer to the documents for details.



These are abbreviated instructions which may vary according to the application.

Watch Video

HUS3-H (Hexagon head, galvanized min. 5um)



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Ordering designation	Anchor size	Drill bit diameter	Drilling Hole Depth at embed. 2	Fastening thickness at embed.2	Base plate clearance hole	Sales pack quantity	Item number
HUS3-H 6x40/5	6	6 mm	-	-	9 mm	100 pc	**416735**
HUS3-H 6x60/5/25	6	6 mm	65 mm	5 mm	9 mm	100 pc	**416736**[1)]
HUS3-H 6x80/25/45	6	6 mm	65 mm	25 mm	9 mm	100 pc	**416737**[1)]
HUS3-H 6x100/45/65	6	6 mm	65 mm	45 mm	9 mm	100 pc	**416738**[1)]
HUS3-H 6x120/65/85	6	6 mm	65 mm	65 mm	9 mm	100 pc	**416739**[1)]
HUS3-H 8x55 5/-/-	8	8 mm	-	-	12 mm	50 pc	**2079794**
HUS3-H 8x65 15/5/-	8	8 mm	70 mm	5 mm	12 mm	50 pc	**2079795**
HUS3-H 8x75 25/15/5	8	8 mm	70 mm	15 mm	12 mm	50 pc	**2079796**
HUS3-H 8x85 35/25/15	8	8 mm	70 mm	25 mm	12 mm	50 pc	**2079797**
HUS3-H 8x100 50/40/30	8	8 mm	70 mm	40 mm	12 mm	50 pc	**2079798**[1)]
HUS3-H 8x120 70/60/50	8	8 mm	70 mm	60 mm	12 mm	50 pc	**2079799**[1)]
HUS3-H 8x150 100/90/80	8	8 mm	70 mm	90 mm	12 mm	50 pc	**2079910**[1)]
HUS3-H 10x60 5/-/-	10	10 mm	-	-	14 mm	50 pc	**2079911**[1)]
HUS3-H 10x70 15/-/-	10	10 mm	-	-	14 mm	50 pc	**2079912**
HUS3-H 10x80 25/5/-	10	10 mm	85 mm	5 mm	14 mm	50 pc	**2079913**
HUS3-H 10x90 35/15/5	10	10 mm	85 mm	15 mm	14 mm	50 pc	**2079914**
HUS3-H 10x100 45/25/15	10	10 mm	85 mm	25 mm	14 mm	50 pc	**2079915**
HUS3-H 10x110 55/35/25	10	10 mm	85 mm	35 mm	14 mm	50 pc	**2079916**
HUS3-H 10x130 75/55/45	10	10 mm	85 mm	55 mm	14 mm	50 pc	**2079917**[1)]
HUS3-H 10x150 95/75/65	10	10 mm	85 mm	75 mm	14 mm	50 pc	**2079918**
HUS3-H 14x75 10/-/-	14	14 mm	-	-	18 mm	16 pc	**2079921**[1)]
HUS3-H 14x100 35/15/-	14	14 mm	95 mm	15 mm	18 mm	16 pc	**2079922**
HUS3-H 14x130 65/45/15	14	14 mm	95 mm	45 mm	18 mm	16 pc	**2079923**
HUS3-H 14x150 85/65/35	14	14 mm	95 mm	65 mm	18 mm	16 pc	**2079924**

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

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HUS3-C (Countersunk torx head, galvanized min. 5um)



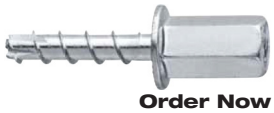
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Ordering designation	Anchor size	Drill bit diameter	Drilling Depth at embed. 2	Fastening thickness at embed.2	Base plate clearance hole	Bit size	Sales pack quantity	Item number
HUS3-C 6x40 /5	6	6 mm	35 mm	5 mm	9 mm	T30	100 pc	**2119774**
HUS3-C 6x60 /5/25	6	6 mm	55 mm	5 mm	9 mm	T30	100 pc	**2119775**
HUS3-C 6x70 /15/35	6	6 mm	55 mm	15 mm	9 mm	T30	100 pc	**2119776**
HUS3-C 8x65 15/-/-	8	8 mm	-	-	12 mm	T45	50 pc	**2079931**
HUS3-C 8x75 25/15/-	8	8 mm	70 mm	15 mm	12 mm	T45	50 pc	**2079932**
HUS3-C 8x85 35/25/15	8	8 mm	70 mm	25 mm	12 mm	T45	50 pc	**2079933**
HUS3-C 10x70 15/-/-	10	10 mm	-	-	14 mm	T50	50 pc	**2079934**
HUS3-C 10x90 35/15/-	10	10 mm	85 mm	15 mm	14 mm	T50	50 pc	**2079935**
HUS3-C 10x100 45/25/15	10	10 mm	85 mm	25 mm	-	T50	50 pc	**2079936**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

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HUS3-I (Internally threaded, galvanized min. 5um)



Order Now

Ordering designation	Anchor size	Drill bit diameter	Drilling Depth at embed. 2	Fastening thickness at embed.2	Sales pack quantity	Item number
HUS3-I 6x35 M8/M10	6	6 mm	45 mm	-	100 pc	**416740**[1)]
HUS3-I 6x35 M8/M10 bucket	6	6 mm	45 mm	-	300 pc	**428662**[1)]
HUS3-I 6x55 M8/M10	6	6 mm	45 mm	20 mm	100 pc	**423180**

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

HUS3-A (Externally threaded, galvanized min. 5um)



Order Now

Ordering designation	Anchor size	Drill bit diameter	Drilling Depth at embed. 2	Fastening thickness at embed.2	Sales pack quantity	Item number
HUS3-A 6x35 M8 /16	6	6 mm	45 mm	-	100 pc	**416741**
HUS3-A 6x35 M10 /21	6	6 mm	45 mm	-	100 pc	**416742**
HUS3-A 6x55 M8 /16	6	6 mm	45 mm	20 mm	100 pc	**416743**
HUS3-A 6x55 M10 /21	6	6 mm	45 mm	20 mm	100 pc	**416744**

Please visit Hilti website for the latest item numbers and related products

HUS3-P (Pan head, galvanized min. 5um)



Order Now

Ordering designation	Anchor size	Drill bit diameter	Drilling Depth at embed. 2	Fastening thickness at embed.2	Base plate clearance hole	Sales pack quantity	Item number
HUS3-P 6x40 /5	6	6 mm	45 mm	5 mm	9 mm	100 pc	**416745**[1)]
HUS3-P 6x60 /5/25	6	6 mm	45 mm	5 mm	9 mm	100 pc	**416746**[1)]
HUS3-P 6x80 /25/45	6	6 mm	45 mm	25 mm	9 mm	100 pc	**416747**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

HUS3 setting tools and accessories



Ordering designation	Corresponding anchor	Sales pack quantity	Item number
IMPACT SOCKET SI-SA 1/2" - 7/16" HEX	-	1 pc	**2094451**
CHECK GAUGE HRG 8	HUS3-H/C 8	1 pc	**2092003**
CHECK GAUGE HRG 10	HUS3-H/C 10	1 pc	**2090674**
DRIVER BIT S-SY TX45 35 HUS (5)	-	5 pc	**2094673**
DRIVER BIT S-SY TX50 35 HUS (5)	-	5 pc	**2094675**

Please visit Hilti website for the latest item numbers and related products

Screw anchor HUS (Stainless steel)





BASE MATERIALS

- Concrete (aerated)
- Concrete (cracked)
- Concrete (uncracked)
- Masonry (solid)

APPLICATIONS

- Tunnel construction
- Anchoring facade panels
- Installing railings

ADVANTAGES

- Hexagonal head with integral washer for neat appearance when fastening through in-place parts
- ETA approval - also for use in cracked concrete
- Seismic approval ETA C1
- For use in both cracked and uncracked concrete

Technical data	
Material composition	Steel, A4 (SS316)
Material, corrosion	Steel, stainless
Type of fastening	Through-fastening
Approvals / test reports	ETA, Fire
Suitable for cracked concrete with redundant fastenings	Yes

Recommended load (kN), non-cracked concrete at 25N/mm², safety factor(γ)=3

Model	Size	M6	M8	M10	M14 (HUS-HR only)
Standard embedment depth		55	80	90	110
HUS-HR/CR	Tensile Load, Nrec	3.0	5.3	8.3	13.4
	Shear Load, Vrec	5.7	8.7	11.0	25.7

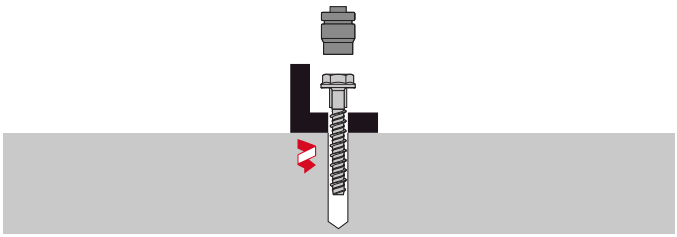
Recommended load (kN), cracked concrete at 25N/mm², safety factor(γ)=3

Model	Size	M6	M8	M10	M14 (HUS-HR only)
Standard embedment depth		55	80	90	110
HUS-HR/CR	Tensile Load, Nrec	3)	4.0	5.3	8.3
	Shear Load, Vrec	3)	8.7	11.0	19.1

Remarks:
1) All the data applies to no edge distance, spacing and other influences
2) For detail design method, please refer to Fastening Technology Manual
3) For redundant fastening only, please contact Hilti for technical assistance

Approvals	
ETA, Fire resistance	ETA 08/0307 for HUS screw anchor single point

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



These are abbreviated instructions which may vary according to the application.

Watch Video

HUS-HR (Hexagon head, stainless steel A4)



Order Now

Ordering designation	Anchor size	Drill bit diameter	Drilling Depth at embed. 2	Fastening thickness at embed.2	Base plate clearance hole	Sales pack quantity	Item number
HUS-HR 6x35 5/-/-	6	6 mm	-	-	9 mm	50 pc	**290005**
HUS-HR 6x45 15/-	6	6 mm	-	-	9 mm	50 pc	**290011**
HUS-HR 6x60 30/5/-	6	6 mm	65 mm	5 mm	9 mm	50 pc	**290014**[1)]
HUS-HR 6x70 40/15	6	6 mm	65 mm	15 mm	9 mm	50 pc	**290015**[1)]
HUS-HR 8X55 5/-/-	8	8 mm	-	-	12 mm	25 pc	**290029**[1)]
HUS-HR 8x65 15/5/-	8	8 mm	70 mm	5 mm	12 mm	25 pc	**290030**[1)]
HUS-HR 8x75 25/15/-	8	8 mm	70 mm	15 mm	12 mm	25 pc	**290031**
HUS-HR 8x85 35/25/5	8	8 mm	70 mm	25 mm	12 mm	25 pc	**290032**[1)]
HUS-HR 8x95 45/35/15	8	8 mm	70 mm	35 mm	12 mm	20 pc	**290033**
HUS-HR 8x105 55/45/25	8	8 mm	70 mm	45 mm	12 mm	20 pc	**290034**[1)]
HUS-HR 10x65 5/-/-	10	10 mm	-	-	14 mm	25 pc	**290062**[1)]
HUS-HR 10x75 15/5/-	10	10 mm	80 mm	5 mm	14 mm	25 pc	**290063**
HUS-HR 10X85 25/15/-	10	10 mm	80 mm	15 mm	14 mm	25 pc	**290067**[1)]
HUS-HR 10x95 35/25/5	10	10 mm	80 mm	25 mm	14 mm	25 pc	**290068**
HUS-HR 10x105 45/35/15	10	10 mm	80 mm	35 mm	14 mm	25 pc	**290072**[1)]
HUS-HR 10x115 55/45/25	10	10 mm	80 mm	45 mm	14 mm	25 pc	**290131**[1)]
HUS-HR 10X130 70/60/40	10	10 mm	80 mm	60 mm	14 mm	25 pc	**290161**[1)]
HUS-HR 14x80 10/-	14	14 mm	-	-	18 mm	12 pc	**290181**
HUS-HR 14x120 50/10	14	14 mm	120 mm	10 mm	18 mm	12 pc	**290182**[1)]
HUS-HR 14X135 65/25	14	14mm	120 mm	25 mm	18 mm	12 pc	**290183**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

HUS-CR (Countersunk torx, stainless steel A4)



Order Now

Ordering designation	Anchor size	Drill bit diameter	Drilling depth at embed. 2	Fastening thickness at embed.2	Base plate clearance hole	Sales pack quantity	Item number
HUS-CR 8x65 15/-/-	8	8 mm	--		12 mm	50 pc	**2082431**
HUS-CR 8x75 25/15/-	8	8 mm	70 mm	15 mm	12 mm	50 pc	**2082432**
HUS-CR 8x95 45/35/15	8	8 mm	70 mm	35 mm	12 mm	50 pc	**2082433**[1)]
HUS-CR 10x75 15/-/-	10	10 mm	--		14 mm	50 pc	**2082434**
HUS-CR 10x85 25/15/-	10	10 mm	80 mm	15 mm	14 mm	50 pc	**2082435**
HUS-CR 10x105 45/35/15	10	10 mm	80 mm	35 mm	14 mm	50 pc	**2082436**[1)]

[1)] This is a non-stock item. For detailed lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Drop-in (flush) anchor HKD





BASE MATERIALS

- Concrete (uncracked)

APPLICATIONS

- For medium-duty loads with anchor bolts and threaded rods, e.g. suspension systems for pipes, air ducts, sprinkler systems, etc.
- For redundant applications in cracked concrete or single-point applications in uncracked concrete

ADVANTAGES

- Features a lip for flush setting, regardless of hole depth
- Shallow drilling depth (25mm), available in M6, M8, M10 and M12 sizes
- Visual check for correct setting when used with Hilti manual setting tool

Technical data	
Material composition	(Galvanized) Steel, zinc-plated (min. 5 µm); (Sherardized) Steel, zinc-plated (min. 45 µm); (Stainless steel) Steel, A4 (SS316)
Head configuration	Inner thread
Type of fastening	Pre-fastening
Approvals / test reports	ETA, Fire, FM (Factory Mutual)
Suitable for cracked concrete with redundant fastenings	Yes

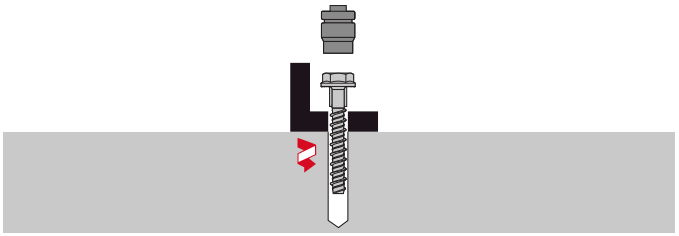
Recommended load (kN), non-cracked concrete at 25N/mm², safety factor(γ)=3

Model	Size	M6x25/ 1/4"x25	M8x30/ 5/16"x30	M10x40/ 3/8"x40	M12x50/ 1/2"x50	M16x65/ 5/8"x65	M20x80
HKD	Tensile Load, Nrec	2.1	2.8	4.3	5.9	8.8	12.0
	Shear Load, Vrec	1.7	2.9	3.7	6.1	11.3	16.3
HKD-SR/ HKD-ER	Tensile Load, Nrec	2.1	2.8	4.3	5.9	8.8	12.0
	Shear Load, Vrec	2.1	2.8	3.5	6.2	10.7	17.0

Remarks:
1) All the data applies to no edge distance, spacing and other influences
2) For detail design method, please refer to Fastening Technology Manual

Approvals	
ETA	ETA 02/0032 for HKD drop-in anchor (ETAG 001-04, Option 7)
ETA, Fire resistance	ETA 06/0047 for HKD drop-in anchor multiple applications (ETAG 001-06, Option -)

Approvals and test reports may apply to selected products only. Please refer to the documents for details.



These are abbreviated instructions which may vary according to the application.

HKD (Galvanized min. 5µm)



Order Now

Ordering designation	Anchor size	Drill bit diameter	Drilling depth	Anchor length	Anchorage depth	Base plate clearance hole	Max. tightening torque	Internal thread size	Sales pack quantity	Item number
HKD M6x25	M6	8 mm	27 mm	25 mm	25 mm	7 mm	4 Nm	6/12 mm	100 pc	**376894**
HKD M8x30	M8	10 mm	33 mm	30 mm	30 mm	9 mm	8 Nm	8/14 mm	100 pc	**376959**
HKD M10x40	M10	12 mm	43 mm	40 mm	40 mm	12 mm	15 Nm	10/18 mm	50 pc	**376967**
HKD M12x50	M12	15 mm	54 mm	50 mm	50 mm	14 mm	35 Nm	12/22 mm	50 pc	**378544**
HKD M16x65	M16	20 mm	70 mm	65 mm	65 mm	18 mm	60 Nm	16/30 mm	25 pc	**382941**

Please visit Hilti website for the latest item numbers and related products

HKD (Imperial, galvanized min. 5µm)



Order Now

Ordering designation	Drill bit diameter	Anchor length	Drilling depth	Anchorage depth	Max. tightening torque	Base plate clearance hole	Internal thread size	Sales pack quantity	Item number
HKD 5/16x30	10 mm	30 mm	33 mm	30 mm	7 Nm	10 mm	10/13 mm	100 pc	**383679**[1)]
HKD 3/8x40	12 mm	40 mm	44 mm	40 mm	15 Nm	11 mm	12/16 mm	100 pc	**383960**
HKD 1/2x50	16 mm	50 mm	55 mm	50 mm	30 Nm	14 mm	14/22 mm	50 pc	**384021**
HKD 5/8x65	20 mm	65 mm	70 mm	65 mm	60 Nm	17 mm	18/28 mm	25 pc	**384023**

1) For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

HKD-SAC (Sherardized min. 45µm)



Order Now

Ordering designation	Drill bit diameter	Drilling depth	Anchor length	Anchorage depth	Base plate clearance hole	Max. tightening torque	Internal thread size	Sales pack quantity	Item number
HKD-SAC M8X30	10 mm	33 mm	30 mm	30 mm	9 mm	8 Nm	8/14 mm	100 pc	**434431**[1)]
HKD-SAC M10X40	12 mm	43 mm	40 mm	40 mm	12 mm	15 Nm	10/18 mm	50 pc	**434432**[1)]
HKD-SAC M12X50	15 mm	54 mm	50 mm	50 mm	14 mm	35 Nm	12/22 mm	50 pc	**434433**[1)]
HKD-SAC M16X65	20 mm	70 mm	65 mm	65 mm	18 mm	60 Nm	16/30 mm	25 pc	**434434**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

HKD-SR (Stainless steel A4)



Order Now

Ordering designation	Anchor size	Drill bit diameter	Drilling depth	Anchor length	Anchor depth	Base plate clearance hole	Max. tightening torque	Internal thread size	Sales pack quantity	Item number
HKD-SR M6x25	M6	8 mm	27 mm	25 mm	25 mm	7 mm	4 Nm	6/12 mm	100 pc	**247951**
HKD-SR M8x30	M8	10 mm	33 mm	30 mm	30 mm	9 mm	8 Nm	8/14 mm	100 pc	**247952**
HKD-SR M10x40	M10	12 mm	44 mm	40 mm	40 mm	12 mm	15 Nm	10/18 mm	50 pc	**247953**
HKD-SR M12x50	M12	15 mm	54 mm	50 mm	50 mm	14 mm	35 Nm	12/22 mm	50 pc	**247954**
HKD-SR M16x65	M16	20 mm	70 mm	65 mm	65 mm	18 mm	60 Nm	16/30 mm	25 pc	**247955**
HKD-SR M20x80	M20	25 mm	85 mm	80 mm	80 mm	22 mm	120 Nm	20/42 mm	25 pc	**247956**

Please visit Hilti website for the latest item numbers and related products

HKD-ER (Without lip, stainless steel A4)



Order Now

Ordering designation	Anchor size	Drill bit diameter	Drilling depth	Anchor length	Anchorage depth	Base plate clearance hole	Max. tightening torque	Screw Depth	Sales pack quantity	Item number
HKD-ER M8x30	M8	10 mm	33 mm	30 mm	30 mm	9 mm	8 Nm	10/13 mm	100 pc	**352293**
HKD-ER M10x40	M10	12 mm	44 mm	40 mm	40 mm	12 mm	15 Nm	12/16 mm	50 pc	**352294**
HKD-ER M16X65	M16	20 mm	70 mm	65 mm	65 mm	18 mm	60 Nm	18/28 mm	25 pc	**352295**

Please visit Hilti website for the latest item numbers and related products

Manual setting tool with hand guard for flush anchors HSD-G



Technical data	
Dispenser, setting tool, accessory, tester type	Setting tools

Ordering designation	Sales pack quantity	Item number
Setting tool HSD-G M6 1/4”X25	1 pc	**243738**
Setting tool HSD-G M8 5/16”X30	1 pc	**243740**
Setting tool HSD-G M10 3/8”X30	1 pc	**230935**
Setting tool HSD-G M10 3/8”X40	1 pc	**243742**
Setting tool HSD-G M12 1/2”X50	1 pc	**243743**
Setting tool HSD-G M16 5/8”X65	1 pc	**243744**
Setting tool HSD-G M20 3/4”X80	1 pc	**243745**

Please visit Hilti website for the latest item numbers and related products

Machine setting tool for flush anchors HSD-M



ADVANTAGES

- Automatic machine setting tool for more productive installation of Hilti drop-in anchors

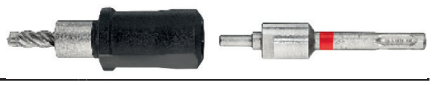
Technical data	
Dispenser, setting tool, accessory, tester type	Setting tools

Ordering designation	Sales pack quantity	Item number
Setting tool HSD-M M6 1/4”X25	1 pc	**243746**[1)]
Setting tool HSD-M M8 5/16”X30	1 pc	**243748**[1)]
Setting tool HSD-M M10 3/8”X30	1 pc	**243750**[1)]
Setting tool HSD-M M10 3/8”X40	1 pc	**243751**
Setting tool HSD-M M12 1/2”X50	1 pc	**243752**
Setting tool HSD-M M16 5/8”X65	1 pc	**243753**[1)]
Setting tool HSD-M M20 3/4”X80	1 pc	**243754**[1)]

[1)] This is a non-stock item. For detailed lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Auto setting tool for HKD anchors



Technical data	
Dispenser, setting tool, accessory, tester type	Setting tools

Ordering designation	Sales pack quantity	Item number
Setting tool HKD-TE-CX M8 5/16"x30	1 pc	**2112619**
Setting tool HKD-TE-CX M10 3/8"x40	1 pc	**2112752**
Setting tool HKD-TE-CX M12 x50 15Φ	1 pc	**2112753**
Setting tool HKD-TE-CX M12 x50 16Φ	1 pc	**2112754**

Please visit Hilti website for the latest item numbers and related products

Drop-in anchor HKV





BASE MATERIALS

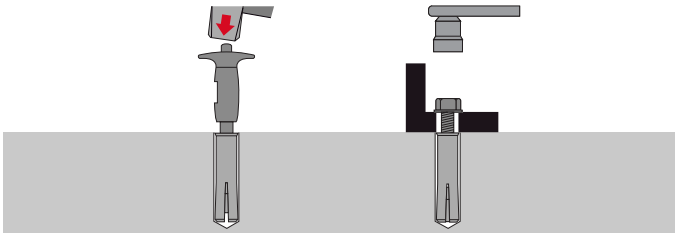
- Concrete (uncracked)

APPLICATIONS

- For medium-duty loads with anchor bolts and threaded rods, e.g. suspension systems for pipes, air ducts, sprinkler systems, etc.
- For fastening diamond core drilling rigs/ base plates, M16 only (DD120 and up)

ADVANTAGES

- No collar - can be set at greater depth
- No damage to the thread when tapping in and expanding
- Visual check for correct setting when used with Hilti manual setting tool



These are abbreviated instructions which may vary according to the application.

Technical data	
Material composition	(Galvanized) Steel, zinc-plated (min. 5 µm); (Stainless steel) Steel, A2(SS304)
Head configuration	Inner thread
Type of fastening	Pre-fastening
Approvals / test reports	FM (Factory Mutual)
Accessories	HSD-M, HSD-G

Recommended load (kN), non-cracked concrete at 25N/mm², safety factor(γ)=3

Model	Size	M6x25/ 1/4"x25	M8x30/ 5/16"x30	M10x40/ 3/8"x30	M10x40/ 3/8"x40	M12x50/ 1/2"x50	M16x65
HKV / HKV-R2	Tensile Load, Nrec	1.4	2.0	2.0	3.0	4.2	8.8
	Shear Load, Vrec	1.7	2.9	3.3	3.3	6.1	11.3

Remarks:
1) All the data applies to no edge distance, spacing and other influences
2) For detail design method, please refer to Fastening Technology Manual

HKV (Galvanized version min. 5µm)



Order Now

Ordering designation	Anchor size	Drill bit diameter	Anchor length	Drilling depth	Anchorage depth	Base plate clearance hole	Max. tightening torque	Screw Depth	Sales pack quantity	Item number
HKV M6x25	M6	8 mm	25 mm	27 mm	25 mm	7 mm	3 Nm	12 mm	100 pc	**2127709**
HKV M6x25 BULK	M6	8 mm	25 mm	27 mm	25 mm	7 mm	3 Nm	12 mm	3000 pc	**2127991**
HKV M8x30 bucket	M8	10 mm	30 mm	33 mm	30 mm	9 mm	7 Nm	14 mm	1200 pc	**2128001**
HKV M10x30	M10	12 mm	30 mm	33 mm	30 mm	12 mm	15 Nm	13 mm	50 pc	**2127981**
HKV M10x40 bucket	M10	12 mm	40 mm	44 mm	40 mm	12 mm	15 Nm	18 mm	700 pc	**2128002**
HKV M12x50 bucket	M12	15 mm	50 mm	55 mm	50 mm	14 mm	30 Nm	22 mm	350 pc	**2128004**
HKV M16x65	M16	20 mm	65 mm	70 mm	65 mm	18 mm	60 Nm	30 mm	25 pc	**2127984**

Please visit Hilti website for the latest item numbers and related products

HKV (Imperial, galvanized min. 5µm)



Order Now

Ordering designation	Anchor size	Drill bit diameter	Anchor length	Drilling depth	Anchorage depth	Base plate clearance hole	Max. tightening torque	Screw Depth	Sales pack quantity	Item number
HKV 1/4x25 BULK	1/4	8 mm	25 mm	27 mm	25 mm	8 mm	3 Nm	12 mm	3000 pc	**2127996**[1)]
HKV 5/16x30 BULK	5/16	10 mm	30 mm	33 mm	30 mm	10 mm	7 Nm	14 mm	1200 pc	**2127997**
HKV 3/8x30 BULK	3/8	12 mm	33 mm	30 mm	30 mm	12 mm	15 Nm	13 mm	700 pc	**2127998**[1)]
HKV 3/8x40 bucket	3/8	12 mm	40 mm	44 mm	40 mm	12 mm	15 Nm	18 mm	700 pc	**2128003**
HKV 1/2x50 BULK	1/2	16 mm	50 mm	55 mm	50 mm	14 mm	30 Nm	22 mm	350 pc	**2128000**

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

HKV-R2 (Stainless steel A2)



Order Now

Ordering designation	Anchor size	Drill bit diameter	Anchor length	Drilling depth	Anchorage depth	Base plate clearance hole	Max. tightening torque	Screw Depth	Sales pack quantity	Item number
HKV-R2 M8X30	M8	10 mm	30 mm	33 mm	25 mm	9 mm	7 Nm	12 mm	100 pc	**423665**
HKV-R2 M10X40	M10	12 mm	40 mm	43 mm	30 mm	12 mm	15 Nm	14 mm	50 pc	**423666**
HKV-R2 M12X50	M12	14 mm	50 mm	54 mm	50 mm	14 mm	30 Nm	22 mm	50 pc	**423668**
HKV-R2 3/8"X40	3/8"	12 mm	40 mm	43 mm	40 mm	11 mm	15 Nm	18 mm	50 pc	**2168253**
HKV-R2 1/2"X50	1/2"	16 mm	50 mm	54 mm	50 mm	14 mm	30 Nm	22 mm	50 pc	**2168252**

Please visit Hilti website for the latest item numbers and related products

Manual setting tool with hand guard, for flush anchors HSD-G



Technical data	
Dispenser, setting tool, accessory, tester type	Setting tools

Ordering designation	Sales pack quantity	Item number
Setting tool HSD-G M6 1/4X25	1 pc	**243738**
Setting tool HSD-G M8 5/16X30	1 pc	**243740**
Setting tool HSD-G M10 3/8X30	1 pc	**230935**
Setting tool HSD-G M10 3/8X40	1 pc	**243742**
Setting tool HSD-G M12 1/2X50	1 pc	**243743**
Setting tool HSD-G M16 5/8X65	1 pc	**243744**
Setting tool HSD-G M20 3/4X80	1 pc	**243745**

Please visit Hilti website for the latest item numbers and related products

Machine setting tool for flush anchors HSD-M



ADVANTAGES

- Automatic machine setting tool for more productive installation of Hilti drop-in anchors

Technical data	
Dispenser, setting tool, accessory, tester type	Setting tools

Ordering designation	Sales pack quantity	Item number
Setting tool HSD-M M6 1/4X25	1 pc	**243746**[1)]
Setting tool HSD-M M8 5/16X30	1 pc	**243748**[1)]
Setting tool HSD-M M10 3/8X30	1 pc	**243750**[1)]
Setting tool HSD-M M10 3/8X40	1 pc	**243751**
Setting tool HSD-M M12 1/2X50	1 pc	**243752**
Setting tool HSD-M M16 5/8X65	1 pc	**243753**[1)]
Setting tool HSD-M M20 3/4X80	1 pc	**243754**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Sleeve anchor HLC





BASE MATERIALS

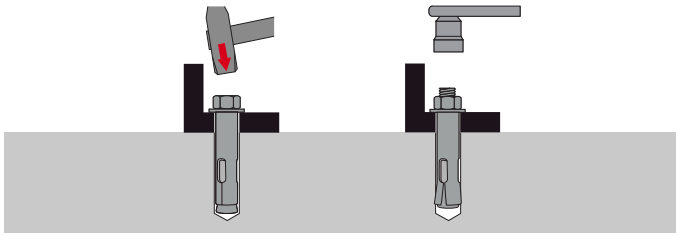
- Concrete (uncracked)
- Masonry (solid)

APPLICATIONS

- Suitable for a large range of temporary fastening applications, fastening small items etc.

ADVANTAGES

- Variety of lengths and sizes allows for a multitude of applications
- Pre-assembled anchor for fast, easy installation
- Suitable for different base materials due to expansion principle
- Ideal for through-fastening applications
- Practical information printed on the sleeve indicates the right drill bit
- Bulged middle section of sleeve with triangular diamond shaped openings prevent the anchor from rotating in its hole or dropping out of an overhead hole



These are abbreviated instructions which may vary according to the application.

Technical data	
Environmental conditions	Indoor, dry conditions
Material composition	Steel, zinc-plated (min. 5 µm)
Material, corrosion	Steel, zinc-plated
Type of fastening	Pre-fastening, Through-fastening
Approvals / test reports	Fire

Recommended load (kN), non-cracked concrete at 25N/mm², safety factor(γ)=3

Model	Size	M5	M6	M8	M10	M12	M16
HLC, HLC-H, HLC-EC / EO, HLC-L, HLC-SK, HLC-T	Tensile Load, Nrec	0.7	1.2	1.5	2.4	3.3	4.4
	Shear Load, Vrec	1.1	2.3	2.9	4.8	6.7	6.7

Remarks:
1) All the data applies to no edge distance, spacing and other influences
2) For detail design method, please refer to Fastening Technology Manual

HLC (Stud head)



Order Now

Ordering designation	Anchor length	Anchor length under washer	Drill bit diameter	Thread diameter	Drilling depth	Max. fixture thickness at standard embedment depth	Anchorage depth	Required tightening torque	Base plate clearance hole	Sales pack quantity	Item number
HLC 6.5X25/5 (M5)	30mm	25 mm	6.5 mm	M5	30 mm	5 mm	16 mm	5 Nm	7 mm	100 pc	**385811**[1)]
HLC 6.5X40/20 (M5)	45mm	40 mm	6.5 mm	M5	30 mm	10 mm	16 mm	5 Nm	7 mm	100 pc	**385812**[1)]
HLC 6.5X60/40 (M5)	65mm	60 mm	6.5 mm	M5	30 mm	40 mm	16 mm	5 Nm	7 mm	100 pc	**385813**[1)]
HLC 8X40/10 (M6)	46mm	40 mm	8 mm	M6	40 mm	10 mm	26 mm	8 Nm	10 mm	100 pc	**385814**
HLC 8X55/25 (M6)	61mm	55 mm	8 mm	M6	40 mm	25 mm	26 mm	8 Nm	10 mm	100 pc	**385816**
HLC 8X70/40 (M6)	76mm	70 mm	8 mm	M6	40 mm	40 mm	26 mm	8 Nm	10 mm	100 pc	**385817**[1)]
HLC 8X85/55 (M6)	91mm	85 mm	8 mm	M6	40 mm	55 mm	26 mm	8 Nm	10 mm	100 pc	**385818**[1)]
HLC 10X40/5 (M8)	48mm	40 mm	10 mm	M8	50 mm	5 mm	31 mm	25 Nm	12 mm	50 pc	**385819**[1)]
HLC 10X50/15 (M8)	58mm	50 mm	10 mm	M8	50 mm	15 mm	31 mm	25 Nm	12 mm	50 pc	**385820**
HLC 10X60/25 (M8)	68mm	60 mm	10 mm	M8	50 mm	25 mm	31 mm	25 Nm	12 mm	50 pc	**385822**[1)]
HLC 10X80/45 (M8)	88mm	80 mm	10 mm	M8	50 mm	45 mm	31 mm	25 Nm	12 mm	50 pc	**385823**[1)]
HLC 10X100/65 (M8)	108mm	100 mm	10 mm	M8	50 mm	65 mm	31 mm	25 Nm	12 mm	50 pc	**385824**[1)]
HLC 12X55/15 (M10)	65mm	55 mm	12 mm	M10	65 mm	15 mm	33 mm	40 Nm	14 mm	50 pc	**385825**
HLC 12X75/35 (M10)	85mm	75 mm	12 mm	M10	65 mm	35 mm	33 mm	40 Nm	14 mm	50 pc	**385827**
HLC 12X100/60 (M10)	110mm	100 mm	12 mm	M10	65 mm	60 mm	33 mm	40 Nm	14 mm	25 pc	**385829**[1)]
HLC 16X60/10 (M12)	72mm	60 mm	16 mm	M12	75 mm	10 mm	41 mm	50 Nm	18 mm	25 pc	**385830**
HLC 16X100/50 (M12)	112mm	100 mm	16 mm	M12	75 mm	50 mm	41 mm	50 Nm	18 mm	10 pc	**385831**[1)]
HLC 16X140/90 (M12)	152mm	140 mm	16 mm	M12	75 mm	90 mm	41 mm	50 Nm	18 mm	10 pc	**385832**[1)]
HLC 20X80/25 (M16)	95mm	80 mm	20 mm	M16	85 mm	25 mm	41 mm	80 Nm	21 mm	10 pc	**385833**[1)]
HLC 20X115/60 (M16)	130mm	115 mm	20 mm	M16	85 mm	60 mm	41 mm	80 Nm	21 mm	10 pc	**385834**[1)]
HLC 20X150/95 (M16)	165mm	150mm	20 mm	M16	85 mm	95 mm	41 mm	80 Nm	21 mm	10 pc	**385835**[1)]
HLC 8X40/10 (M6) BUCKET	46mm	40mm	8 mm	M6	40 mm	10 mm	26 mm	8 Nm	10 mm	500 pc	**385815**
HLC 10X50/15 (M8) BUCKET	58mm	50mm	10 mm	M8	50 mm	15 mm	31 mm	25 Nm	12 mm	400 pc	**385821**
HLC 12X55/15 (M10) BUCKET	65mm	55mm	12 mm	M10	65 mm	15 mm	33 mm	40 Nm	14 mm	250 pc	**385826**
HLC 12X75/35 (M10) BUCKET	85mm	75mm	12 mm	M10	65 mm	35 mm	33 mm	40 Nm	14 mm	200 pc	**385828**

1) For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

HLC-H (Hexagon head)



Order Now

Ordering designation	Anchor length	Anchor length under washer	Drill bit diameter	Drilling depth	Thread diameter	Max. fixture thickness at standard embedment depth	Anchorage depth	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HLC-H 8x40/10	46 mm	40 mm	8 mm	40 mm	M6	10 mm	26 mm	10 mm	8 Nm	100 pc	**385836**[1)]
HLC-H 8x55/25	61 mm	55 mm	8 mm	40 mm	M6	25 mm	26 mm	10 mm	8 Nm	100 pc	**385838**[1)]
HLC-H 8x70/40	76 mm	70 mm	8 mm	40 mm	M6	40 mm	26 mm	10 mm	8 Nm	100 pc	**385840**[1)]
HLC-H 10x40/5	48 mm	40 mm	10 mm	50 mm	M8	5 mm	31 mm	12 mm	25 Nm	50 pc	**385841**[1)]
HLC-H 10x60/25	68 mm	60 mm	10 mm	50 mm	M8	25 mm	31 mm	12 mm	25 Nm	50 pc	**385842**
HLC-H 10x80/45	88 mm	80 mm	10 mm	50 mm	M8	45 mm	31 mm	12 mm	25 Nm	50 pc	**385845**[1)]
HLC-H 10x100/65	108 mm	100 mm	10 mm	50 mm	M8	65 mm	31 mm	12 mm	25 Nm	50 pc	**385847**[1)]
HLC-H 12x55/15	65 mm	55 mm	12 mm	65 mm	M10	15 mm	33 mm	14 mm	40 Nm	50 pc	**385848**[1)]
HLC-H 12x75/35	85 mm	75 mm	12 mm	65 mm	M10	35 mm	33 mm	14 mm	40 Nm	50 pc	**385849**[1)]
HLC-H 16x60/10	72 mm	60 mm	16 mm	75 mm	M12	10 mm	41 mm	18 mm	50 Nm	10 pc	**385853**[1)]
HLC-H 16x140/90	152 mm	140 mm	16 mm	75 mm	M12	90 mm	41 mm	18 mm	50 Nm	10 pc	**385855**[1)]
HLC-H 8x55/25 bucket	61 mm	55 mm	8 mm	40 mm	M6	25 mm	26 mm	10 mm	8 Nm	500 pc	**385839**[1)]
HLC-H 10x60/25 bucket	68 mm	60 mm	10 mm	50 mm	M6	25 mm	31 mm	12 mm	25 Nm	300 pc	**385844**[1)]
HLC-H 10x80/45 bucket	88 mm	80 mm	10 mm	50 mm	M6	45 mm	31 mm	12 mm	25 Nm	200 pc	**385846**[1)]
HLC-H 12x75/35 bucket	85 mm	75 mm	12 mm	65 mm	M10	35 mm	33 mm	14 mm	40 Nm	150 pc	**385851**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

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HLC-SK (Concrete/sunk head)



Order Now

Ordering designation	Anchor length	Drill bit diameter	Drilling depth	Thread diameter	Max. fixture thickness at standard embedment depth	Anchorage depth	Base plate clearance hole	Required tightening torque (in concrete)	Sales pack quantity	Item number
HLC-SK 6.5X65/40 (M5)	65 mm	6.5 mm	30 mm	M5	40 mm	16 mm	7 mm	5 Nm	100	**385857**[1)]
HLC-SK 6.5X85/60 (M5)	85 mm	6.5 mm	30 mm	M5	60 mm	16 mm	7 mm	5 Nm	100	**385858**[1)]
HLC-SK 8X60/25 (M6)	60 mm	8 mm	40 mm	M6	25 mm	26 mm	10 mm	8 Nm	100	**385859**
HLC-SK 8X75/40 (M6)	75 mm	8 mm	40 mm	M6	40 mm	26 mm	10 mm	8 Nm	100	**385860**[1)]
HLC-SK 10X45/5 (M8)	45 mm	10 mm	50 mm	M8	5 mm	31 mm	12 mm	25 Nm	50	**385862**[1)]
HLC-SK 10X85/45 (M8)	85 mm	10 mm	50 mm	M8	45 mm	31 mm	12 mm	25 Nm	50	**385863**
HLC-SK 10X105/65 (M8)	105 mm	10 mm	50 mm	M8	65 mm	31 mm	12 mm	25 Nm	50	**385864**[1)]
HLC-SK 10X130/95 (M8)	130 mm	10 mm	50 mm	M8	95 mm	31 mm	12 mm	25 Nm	25	**385865**[1)]
HLC-SK 12X80/35 (M10)	80 mm	12 mm	65 mm	M10	35 mm	33 mm	14 mm	40 Nm	50	**385866**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

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HLC-EC (Closed eyebolt)



Order Now

Ordering designation	Anchor length	Anchor length under washer	Drill bit diameter	Drilling depth	Max. fixture thickness at standard embedment depth	Anchorage depth	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HLC-EC 8x40	70 mm	40 mm	8 mm	40 mm	14 mm	26 mm	10 mm	8 Nm	50 pc	**385871**
HLC-EC 10x50	80 mm	50 mm	10 mm	50 mm	20 mm	31 mm	12 mm	25 Nm	50 pc	**385872**
HLC-EC 16x100	160 mm	100 mm	16 mm	75 mm	59 mm	41 mm	18 mm	50 Nm	10 pc	**385873**[1)]
HLC-EC 16x160	200 mm	140 mm	16 mm	75 mm	119 mm	41 mm	18 mm	50 Nm	15 pc	**385874**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

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HLC-EO (Open eyebolt)



Order Now

Ordering designation	Anchor length	Anchor length under washer	Drill bit diameter	Drilling depth	Anchorage depth	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HLC-EO 8x40	70 mm	40 mm	8 mm	40 mm	26 mm	10 mm	8 Nm	50 pc	**385875**

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HLC-T (Eyebolt head)



Order Now

Ordering designation	Anchor length under washer	Drill bit diameter	Drilling depth	Anchorage depth	Base plate clearance hole	Required tightening torque	Sales pack quantity	Item number
HLC-T 6,5x25	25 mm	6.5 mm	30 mm	16 mm	7 mm	5 Nm	50 pc	**385877**

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HLC-L (Rounded head)

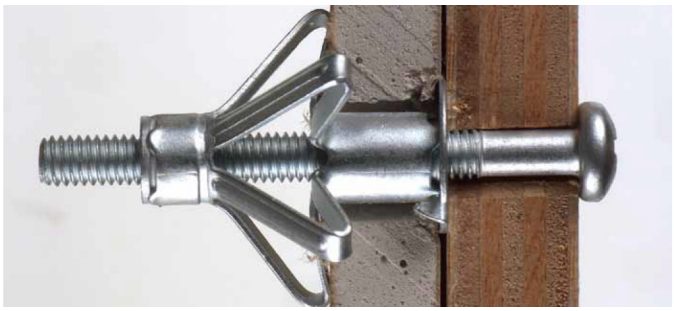


Ordering designation	Anchor length	Drill bit diameter	Min. Drilling depth	Thread diameter	Max. fixture thickness at standard embedment depth	Anchorage depth	Base plate clearance hole	Required tightening torque (in concrete)	Sales pack quantity	Item number
HLC-L 10X50/15 (M8)	50 mm	10 mm	50 mm	M8	15 mm	31 mm	12 mm	25 Nm	50 pc	**385867**[1)]
HLC-L 10X60/25 (M8)	60 mm	10 mm	50 mm	M8	25 mm	31 mm	12 mm	25 Nm	50 pc	**385868**[1)]
HLC-L 10X80/45 (M8)	80 mm	10 mm	50 mm	M8	45 mm	31 mm	12 mm	25 Nm	50 pc	**385869**[1)]
HLC-L 10X100/65 (M8)	100 mm	10 mm	50 mm	M8	65 mm	31 mm	12 mm	25 Nm	50 pc	**385870**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

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Cavity anchor HHD-S



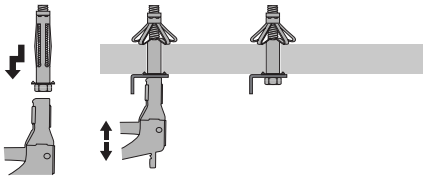


BASE MATERIALS

- Drywall
- Masonry (hollow)

ADVANTAGES

- Pre-assembled with screw
- Ergonomic setting tool for thread sizes M4 to M8
- Quick and trouble-free installation



These are abbreviated instructions which may vary according to the application.

Cavity anchor HHD-S

Technical data	
Environmental conditions	Indoor, dry conditions
Head configuration	Round head
Material composition	Steel, zinc-plated
Material, corrosion	Steel, zinc-plated
Type of fastening	Pre-fastening, Through-fastening
Approvals / test reports	N/A



Order Now

Ordering designation	Anchor size	Anchor length	Drill bit diameter	Max. fixture thickness at standard embedment depth	Sales pack quantity	Item number
HHD-S M4/4X20	M4	20 mm	8 mm	15 mm	100 pc	**332060**[1)]
HHD-S M4/6X32	M4	32 mm	8 mm	25 mm	100 pc	**332061**[1)]
HHD-S M4/12X38	M4	38 mm	8 mm	25 mm	100 pc	**332062**
HHD-S M4/19X45	M4	45 mm	8 mm	25 mm	50 pc	**332063**
HHD-S M5/8X38	M5	38 mm	10 mm	25 mm	100 pc	**332065**[1)]
HHD-S M5/12X52	M5	52 mm	10 mm	30 mm	50 pc	**332066**[1)]
HHD-S M5/25X65	M5	65 mm	10 mm	30 mm	50 pc	**332067**
HHD-S M6/9X38	M6	38 mm	12 mm	20 mm	100 pc	**332069**[1)]
HHD-S M6/12X52	M6	52 mm	12 mm	30 mm	50 pc	**332070**
HHD-S M6/24X65	M6	65 mm	12 mm	30 mm	50 pc	**332071**
HHD-S M6/40X80	M6	80 mm	12 mm	30 mm	50 pc	**332072**
HHD-S M8/12X54	M8	54 mm	12 mm	30 mm	50 pc	**332073**
HHD-S M8/24X66	M8	66 mm	12 mm	30 mm	50 pc	**332074**
HHD-S M8/40X83	M8	83 mm	12 mm	35 mm	50 pc	**332075**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

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Setting tool HHD-S



APPLICATIONS

- Setting tool for HHD-S and HHD cavity anchors

Technical data	
Dispenser, setting tool, accessory, tester type	Setting tools

Ordering designation	Sales pack quantity	Item number
Setting tool HHD-S	1 pc	**332076**

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Hollow wall metal anchor with screw HTB-2/HTB-2-S





BASE MATERIALS

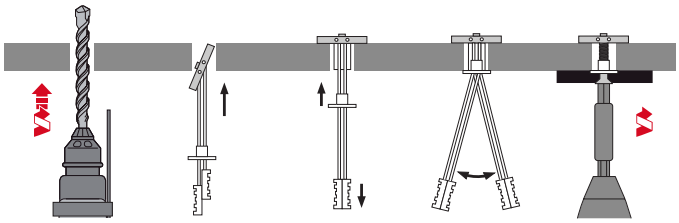
- Concrete (hollow deck)
- Drywall

APPLICATIONS

- For a variety of light-duty anchoring applications in drywall and heavier-duty applications in concrete block

ADVANTAGES

- Highest performance in gypsum board
- No setting tool needed
- Unique installation “legs” and locking cap facilitate fastenings in wide range of drywall and hollow wall materials up to 92 mm thick



These are abbreviated instructions which may vary according to the application.

Technical data	
Environmental conditions	Indoor, dry conditions
Head configuration	Round head, Inner thread
Material composition	Polypropylene
Type of fastening	Pre-fastening
Approvals / test reports	N/A
Installation direction	All

Recommended load (kN), safety factor(γ)=3

Size	Base materials	Nrec	Vrec
M5/M6	Gypsum board 12.5mm	0.2	0.3
M5/M6	Gypsum board 2 x 12.5mm	0.5	0.3
M5**	Hollow block	0.7	1.0
M6**	Hollow block	0.9	1.3

Remarks:
1) All the data applies to no edge distance, spacing and other influences
2) Holes must be produced by rotary drilling only

Ordering designation	Anchor Size	Drill bit diameter	Required Tightening Torque	Sales pack quantity	Item number
HTB-2 M5	5 mm	13 mm	3 Nm	100 pc	**2158762**[1)]
HTB-2 M6	6 mm	14 mm	5 Nm	100 pc	**2158764**[1)]
HTB-2-S M5X60	5 mm	13 mm	3 Nm	100 pc	**2158763**[1)]
HTB-2-S M6X60	6 mm	14 mm	5 Nm	100 pc	**2158765**

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

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Self-drilling drywall anchor HSP



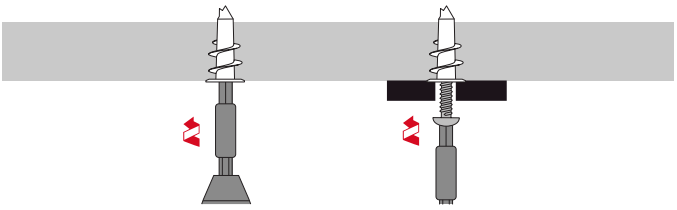


BASE MATERIALS

- Drywall

APPLICATIONS

- Plumbing
- Interior finishing
- Electrical installation



These are abbreviated instructions which may vary according to the application.

ADVANTAGES

- “Shark’s tooth” design for correct positioning and quick installation
- Cuts its own thread
- Available with or without #8 x 1-3/16” screw

Technical data	
Environmental conditions	Indoor, dry conditions
Head configuration	Inner thread
Material composition	Zinc, die-cast
Material, corrosion	Die-cast zinc
Type of fastening	Pre-fastening
Approvals / test reports	N/A

Order Now

Ordering designation	Anchor length	Sales pack quantity	Item number
HSP	39 mm	100 pc	**2158777**[1)]
HSP-S	39 mm	100 pc	**2158778**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

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8

Screwdriver bit HSP



ADVANTAGES

- For universal use on many materials, including perforated brick and block

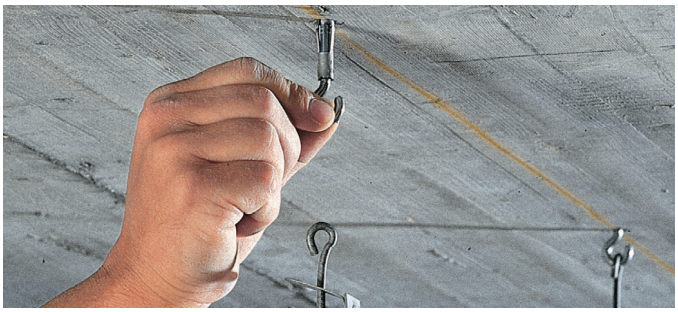
Technical data	
Dispenser, setting tool, accessory, tester type	Screwdrivers and accessories

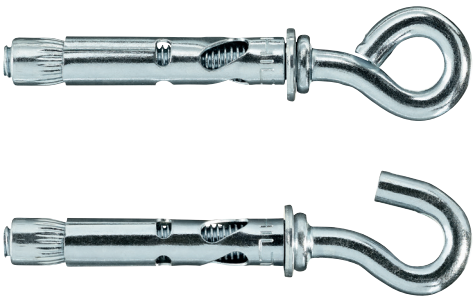
Ordering designation	Sales pack quantity	Item number
D-B PH2 HSP/HFP	5 pc	**332688**[1)]
D-B SQ HSP-G	5 pc	**332689**[1)]

[1)] This is a non-stock item. For detailed lead time information please contact your Hilti representative.

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Hook and ring anchors HA NG 8





BASE MATERIALS

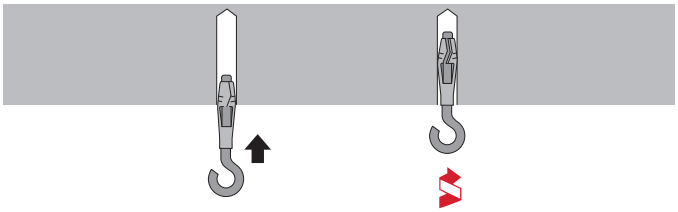
- Concrete (uncracked)

APPLICATIONS

- Suspensions from concrete ceilings e.g. suspended ceilings etc.

ADVANTAGES

- Time-saving, easy manual expansion
- Reliable thanks to automatic follow-up expansion



These are abbreviated instructions which may vary according to the application.

Technical data	
Environmental conditions	Indoor, dry conditions
Head configuration	Closed eye bolt, Open eye bolt
Material composition	Steel, zinc-plated (min. 5 µm)
Material, corrosion	Steel, zinc-plated
Type of fastening	Pre-fastening

Technical data

Recommended load (kN)

Model	Size	HA8 R1	HA8 H1
H2 Concrete at 20 N/mm²	Tensile Load, N_{rec}	0.80	0.80

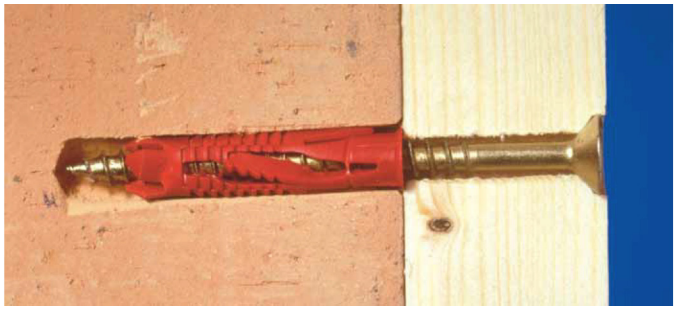
Remarks:
1) All the data applies to no edge distance, spacing and other influences
2) Holes must be produced by rotary drilling only

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Ordering designation	Anchor Size	Anchorage depth	Anchor length	Bolt diameter	Drill bit diameter	Drilling depth	Sales pack quantity	Item number
HA NG 8X45 H1	8 mm	35 mm	76 mm	5.4 mm	8 mm	55 mm	100 pc	**2230167**
HA NG 8X45 R1	8 mm	35 mm	76 mm	5.4 mm	8 mm	55 mm	100 pc	**2230166**

Please visit Hilti website for the latest item numbers and related products

Universal plastic anchor HUD





BASE MATERIALS

- Concrete (aerated)
- Concrete (uncracked)
- Drywall
- Masonry (hollow)
- Masonry (solid)

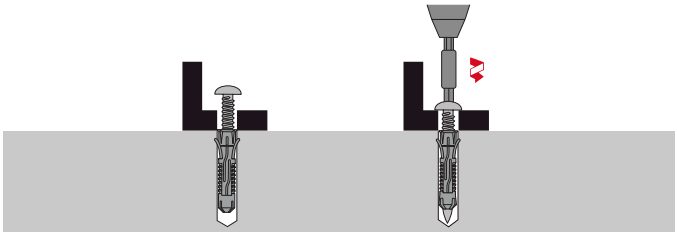
APPLICATIONS

- Many kinds of light-duty fastenings, especially electrical installations, sanitary fixtures, etc.

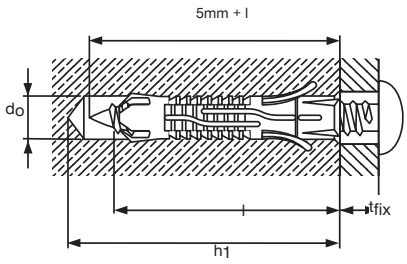
ADVANTAGES

- Base materials: concrete, solid brick, hollow brick, gas (aerated) concrete, gypsum panel
- High holding power
- Suitable for through-fastening with screw
- Resistance to turning in hole and premature expansion
- Reliable : precise screw guidance, 360° expansion
- Meets safety specifications: contains no heavy metals, halogenes or silicones

Technical data	
Anchor type	Plastic anchor
Head configuration	N/A
Material composition	Polyamide PA 6
Material, corrosion	Plastic
In-service temperature – range	-40 - 80 °C
Installation direction	All



These are abbreviated instructions which may vary according to the application.



Recommended load (kN), safety factor(γ)=5

Model	Size	5x25	6x30	8x40	10x50	12x60	14x70
HUD-1 at concrete 20 N/mm²	Tensile Load, Nrec	0.30	0.55	0.85	1.40	2.00	3.00
	Shear Load, Vrec	0.40	0.90	1.25	2.20	3.00	5.60
HUD-1 at AAC block	Tensile Load, Nrec	0.10	0.15	0.30	0.40	0.50	0.60
	Shear Load, Vrec	0.13	0.18	0.30	-	-	-

Universal plastic anchor HUD-1



Order Now

Ordering designation	Anchor Size	Anchor length	Woodscrew diameter	Drill bit diameter	Drilling depth	Screw length	Sales pack quantity	Item number
HUD-1 10x50	10 mm	50 mm	7 - 8 mm	10 mm	65 mm	l + tfix +5mm	200 pc	**331618**
HUD-1 12x60	12 mm	60 mm	8 - 10 mm	12 mm	80 mm	l + tfix +5mm	100 pc	**331619**
HUD-1 14x70	14 mm	70 mm	10 - 12 mm	14 mm	90 mm	l + tfix +5mm	50 pc	**331620**

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Universal plastic anchor HUD-L (Long version)



Order Now

Ordering designation	Anchor size	Anchor length	Woodscrew diameter	Drill bit diameter	Drilling depth	Screw length	Sales pack quantity	Item number
HUD-L 6x50	6 mm	50 mm	4.5 - 5 mm	6 mm	70 mm	l + tfix +5mm	400 pc	**315938**
HUD-L 8x60	8 mm	60 mm	5 - 6 mm	8 mm	80 mm	l + tfix +5mm	200 pc	**315939**
HUD-L 10x70	10 mm	70 mm	7 - 8 mm	10 mm	90 mm	l + tfix +5mm	100 pc	**315940**

Please visit Hilti website for the latest item numbers and related products

Frame anchor with countersunk head HRD-C





Technical data

Recommended load (kN), safety factor(γ)=3

Model	Size	10x80	10x100	10x120	10x140
HRD-C (h_{ef}=70 mm) at concrete 15 N/mm²	Tensile Load, Nrec	2.0	2.0	2.0	2.0
	Shear Load, Vrec	3.5	3.5	3.5	3.5
HUD-1 at AAC block	Tensile Load, Nrec	1.0	1.0	1.0	1.0
	Shear Load, Vrec	1.2	1.2	1.2	1.2

Remarks:
1) All the data applies to no edge distance, spacing and other influences
2) Holes must be produced by rotary drilling only
3) For detail design method, please refer to Fastening Technology Manual

Order Now

Ordering designation	Anchor Size	Anchor length	Min. hole depth 1	Min. hole depth 2	Min. anchorage depth 1	Min. anchorage depth 2	Drill bit diameter	Fastening thick-ness at embed.1	Fastening thick-ness at embed.2	Base plate clearance	Sales pack quantity	Item number
HRD-C 10x60	10 mm	60 mm	60 mm	-	50 mm	-	10 mm	10 mm	-	11 mm	50 pc	**423859**[1)]
HRD-C 10x80	10 mm	80 mm	60 mm	80 mm	50 mm	70 mm	10 mm	30 mm	10 mm	11 mm	50 pc	**423860**
HUD-C 10x100	10 mm	100 mm	60 mm	80 mm	50 mm	70 mm	10 mm	50 mm	30 mm	11 mm	50 pc	**423861**
HRD-C 10x120	10 mm	120 mm	60 mm	80 mm	50 mm	70 mm	10 mm	70 mm	50 mm	11 mm	50 pc	**423862**
HUD-C 10x140	10 mm	140 mm	60 mm	80 mm	50 mm	70 mm	10 mm	90 mm	70 mm	11 mm	50 pc	**423863**
HRD-C 10x160	10 mm	160 mm	60 mm	80 mm	50 mm	70 mm	10 mm	110 mm	90 mm	11 mm	50 pc	**423864**[1)]
HUD-C 10x180	10 mm	180 mm	60 mm	80 mm	50 mm	70 mm	10 mm	130 mm	110 mm	11 mm	50 pc	**423865**[1)]
HRD-C 10x200	10 mm	200 mm	60 mm	80 mm	50 mm	70 mm	10 mm	150 mm	130 mm	11 mm	50 pc	**423866**[1)]
HUD-C 10x230	10 mm	230 mm	60 mm	80 mm	50 mm	70 mm	10 mm	180 mm	160 mm	11 mm	50 pc	**423867**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

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8

Frame anchor with countersunk head HRD-CR

Technical data	
Anchor type	Anchor with screw
Head configuration	Countersunk
Material composition	Steel, A4 (SS 316) or duplex equivalent, Polyamide
Material, corrosion	Steel, stainless
Suitable for cracked concrete with redundant fastenings	Yes
Bit size	T40



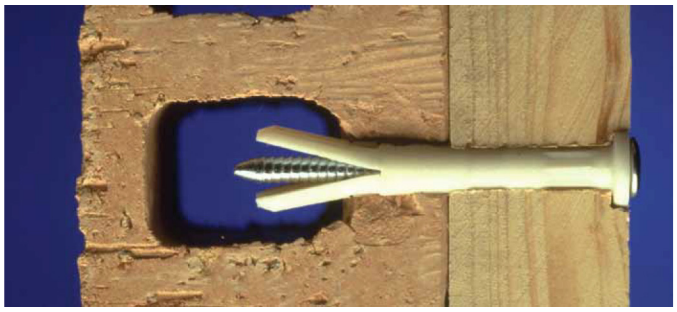
Order Now

Ordering designation	Anchor size	Anchor Length	Min. hole depth 1	Min. hole depth 2	Min. anchorage depth 1	Min. anchorage depth 2	Drill bit diameter	Fastening thickness at embed.2	Base plate clearance hole	Sales pack quantity	Item number
HRD-CR 10x60	10 mm	60 mm	60 mm	-	50 mm	-	10 mm	-	11 mm	50 pc	**423885**[1)]
HRD-CR 10x100	10 mm	100 mm	60 mm	80 mm	50 mm	70 mm	10 mm	30 mm	11 mm	50 pc	**423886**[1)]
HRD-CR 10x140	10 mm	140 mm	60 mm	80 mm	50 mm	70 mm	10 mm	70 mm	11 mm	50 pc	**423887**[1)]

[1)] This is a non-stock item. For detailed lead time information please contact your Hilti representative.

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Impact anchor HPS



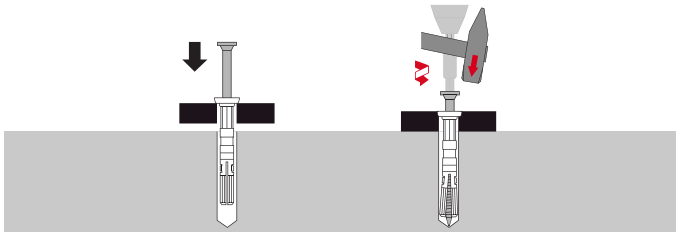


APPLICATIONS

- Anchoring concrete, brick ties and masonry
- Fastening components for electrical and plumbing installations
- Fastening trim strips, battens and components for electrical and plumbing installations

ADVANTAGES

- For universal use on many materials, including perforated brick and block
- The hammer-driven screw can also be driven or unscrewed using a screwdriver
- Quick impact installation using a hammer



These are abbreviated instructions which may vary according to the application.

Technical data	
Anchor type	Plastic anchor
Head configuration	Countersunk Phillips
Material composition	Body: polyamide, Screw: steel, zincplated (min. 5 µm) or stainless steel 304
Material, corrosion	Steel, zinc-plated
In-service temperature – range	-40 - 80 °C
Installation direction	All

Recommended load (kN), safety factor(γ)=5

Model	Size	4/10	5/10	5/5-5/15	6/10-6/25	6/30-6/40	8/10	8/10-8/40	8/60-8/100
HPS-1 at concrete 30 N/mm²	Tensile Load, Nrec	0.05	0.10	0.15	0.25	0.25	0.30	0.40	0.40
	Shear Load, Vrec	0.15	0.30	0.35	0.55	0.35	0.50	0.90	0.50
HPS-1 at AAC block[2)]	Tensile Load, Nrec	-	-	0.08	0.10	0.10	-	0.15	0.15
	Shear Load, Vrec	-	-	0.10	0.12	0.10	-	0.30	0.20

Remarks:
1) All the data applies to no edge distance, spacing and other influences
2) Holes must be produced by rotary drilling only
3) For detail design method, please refer to Fastening Technology Manual

HPS-1 (With galvanized screw min. 5 µm)



Order Now

Ordering designation	Anchor size	Anchor length	Drill bit diameter	Drilling depth	Fastening thickness	Sales pack quantity	Item number
HPS-1 4/0X20	M4	22 mm	4 mm	25 mm	2 mm	250 pc	**260369[1)]**
HPS-1 5/0X20	M5	22 mm	5 mm	25 mm	2 mm	250 pc	**260395[1)]**
HPS-1 5/5X25	M5	25 mm	5 mm	30 mm	5 mm	200 pc	**260347[1)]**
HPS-1 5/10X30	M5	27 mm	5 mm	30 mm	10 mm	200 pc	**230515**
HPS-1 5/15X35	M5	37 mm	5 mm	30 mm	15 mm	200 pc	**260348**
HPS-1 6/0X25	M6	27 mm	6 mm	40 mm	2 mm	150 pc	**238159[1)]**
HPS-1 6/5X30	M6	32 mm	6 mm	40 mm	5 mm	150 pc	**260349[1)]**
HPS-1 6/10X35	M6	37 mm	6 mm	40 mm	10 mm	150 pc	**230516**
HPS-1 6/15X40	M6	42 mm	6 mm	40 mm	15 mm	150 pc	**260350**
HPS-1 6/25X50	M6	52 mm	6 mm	40 mm	25 mm	100 pc	**260351**
HPS-1 6/30X55	M6	57 mm	6 mm	40 mm	30 mm	100 pc	**230517**
HPS-1 6/40X65	M6	67 mm	6 mm	40 mm	40 mm	100 pc	**260352**
HPS-1 8/0X25	M8	33 mm	8 mm	50 mm	2 mm	100 pc	**238160[1)]**
HPS-1 8/10X40	M8	43 mm	8 mm	50 mm	10 mm	100 pc	**260353**
HPS-1 8/20X50	M8	53 mm	8 mm	50 mm	20 mm	50 pc	**230518**
HPS-1 8/30X60	M8	63 mm	8 mm	50 mm	30 mm	50 pc	**260354**
HPS-1 8/40X70	M8	73 mm	8 mm	50 mm	40 mm	50 pc	**230519**
HPS-1 8/60X90	M8	93 mm	8 mm	50 mm	60 mm	50 pc	**260355**
HPS-1 8/80X110	M8	113 mm	8 mm	50 mm	80 mm	50 pc	**260356[1)]**
HPS-1 8/100X130	M8	133 mm	8 mm	50 mm	100 mm	100 pc	**260367[1)]**

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

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HPS-1 R (With stainless steel screw A2)



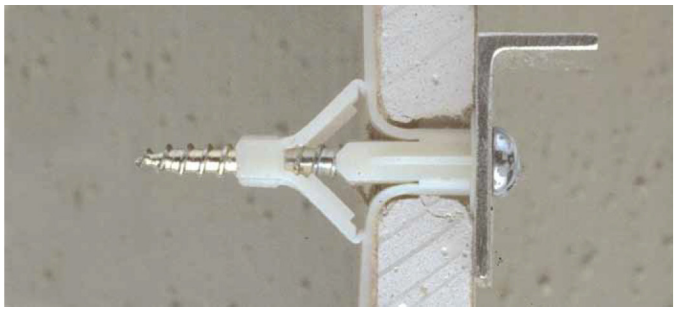
Order Now

Ordering designation	Anchor size	Anchor length	Drill bit diameter	Drilling depth	Fastening thickness	Sales pack quantity	Item number
HPS-1R 5/10X30	M5	32 mm	5 mm	30 mm	10 mm	200 pc	**230524**
HPS-1R 5/15X35	M5	37 mm	5 mm	30 mm	15 mm	200 pc	**260358**[1)]
HPS-1R 6/0X25	M6	27 mm	6 mm	40 mm	2 mm	150 pc	**238161**[1)]
HPS-1R 6/5X30	M6	32 mm	6 mm	40 mm	5 mm	150 pc	**260359**[1)]
HPS-1R 6/10X35	M6	37 mm	6 mm	40 mm	10 mm	150 pc	**230525**[1)]
HPS-1R 6/15X40	M6	42 mm	6 mm	40 mm	15 mm	100 pc	**260360**
HPS-1R 6/25X50	M6	52 mm	6 mm	40 mm	25 mm	100 pc	**260361**[1)]
HPS-1R 6/40X65	M6	67 mm	6 mm	40 mm	40 mm	100 pc	**260362**[1)]
HPS-1R 8/30X60	M8	63 mm	8 mm	50 mm	30 mm	50 pc	**260364**[1)]
HPS-1R 8/60X90	M8	93 mm	8 mm	50 mm	60 mm	50 pc	**260365**[1)]
HPS-1R 8/80X110	M8	113 mm	8 mm	50 mm	80 mm	50 pc	**260366**[1)]

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

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Light-duty anchor HLD





BASE MATERIALS

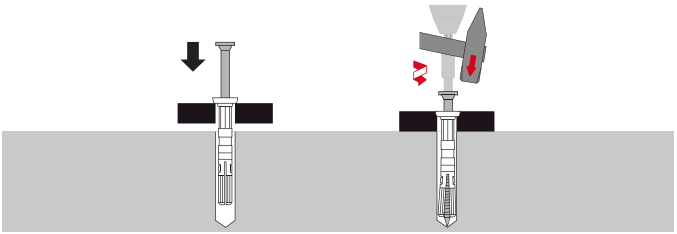
- Concrete (uncracked)
- Drywall
- Masonry (hollow)

APPLICATIONS

- Fastening on low-strength materials with cavities - for use with standard wood screws
- Anchoring in perforated brick or block, drywall, concrete

ADVANTAGES

- The wings spring out and adapt to all materials
- Three convenient sizes for use in a variety of hollow base materials from 1/4” drywall to hollow block
- Ribs on the body help prevent the anchor spinning during installation



These are abbreviated instructions which may vary according to the application.

Technical data	
Anchor type	Plastic anchor
Head configuration	Flat head, Round head
Material composition	Polyamide PA 6
Material, corrosion	Plastic
In-service temperature – range	-40 - 80 °C
Installation direction	Wall

Recommended load (kN), safety factor(γ)=5

Model	Size	Working principle	HLD 2	HLD 3	HLD 4
Concrete at 15N/mm²	Tensile Load, Nrec	C	0.25	0.40	0.50
	Shear Load, Vrec		0.25	0.40	0.50
Fibre reinforced gypsum panel 12.5mm	Tensile Load, Nrec	A	0.06	-	-
	Shear Load, Vrec		0.06	-	-
Fibre reinforced gypsum panel 2 x 12.5mm	Tensile Load, Nrec	A	-	0.12	-
	Shear Load, Vrec		-	0.12	-
Hollow brick	Tensile Load, Nrec	A / B	0.15	0.15	-
	Shear Load, Vrec		0.15	0.15	-

Remarks:
1) All the data applies to no edge distance, spacing and other influences
2) For detail design method, please refer to Fastening Technology Manual

Order Now

Ordering designation	Anchor size	Drill bit diameter	Drilling depth	Sales pack quantity	Item number
HLD 2	10 mm	10 mm	50 mm	150 pc	**335506**
HLD 3	10 mm	10 mm	56 mm	100 pc	**335507**
HLD 4	10 mm	10 mm	66 mm	100 pc	**335508**

Please visit Hilti website for the latest item numbers and related products

Hoist anchor point HAP 1.15





APPLICATIONS

- Designed for load lifting applications

ADVANTAGES

- No limitations in load directions, also for use on the wall
- Compact design and low profile
- Two or more HAP 1.15 can be combined to increase the total WLL
- Design meets application requirements for dynamic loads in any direction (dynamic safety factor = 1.8)
- HAP 1.15 is designed for use with standard HST3 M12 anchors
- Supplied pre-assembled (one piece), no need to assemble individual components

Technical data	
Anchor type	Plastic anchor
Head configuration	Flat head, Round head
Material composition	Polyamide PA 6
Material, corrosion	Plastic
In-service temperature – range	-40 - 80 °C
Installation direction	Wall

Technical data	
Dispenser, setting tool, accessory, tester type	Hoist anchor points

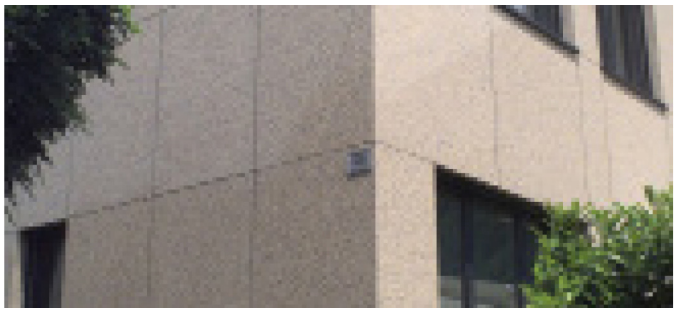


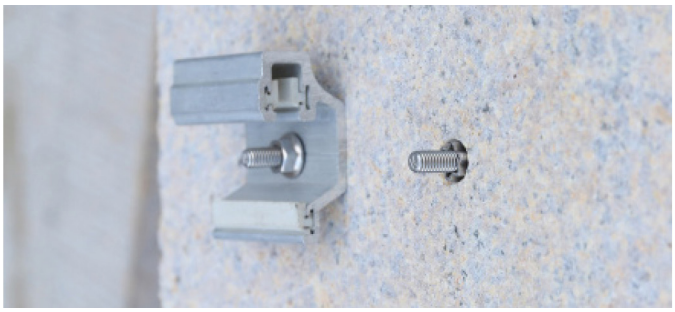
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Ordering designation	Sales pack quantity	Item number
HAP 1.15	2 pc	**2032179**

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Stone undercut anchor HSU-R





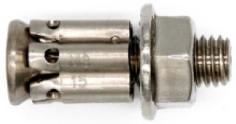
BASE MATERIALS
- Natural Stone

APPLICATIONS
- Stone cladding fixing

ADVANTAGES
- Easy installation
- Head marking for easy identification
- Gauge for checking drill hole geometry
- Setting mark to verify undercut completion

Technical data	
Material composition	Steel, A4 (SS316)
Head configuration	Externally threaded

Order Now



HSU-R (A4 stainless steel)

Ordering designation	Anchor size	Setting depth	External thread length	Sales pack quantity	Item number
HSU-R M6x15/17 w/flange nut	M6	15 mm	17 mm	250 pc	**3583063**[1)]
HSU-R M8x15/17 w/flange nut	M8	15 mm	17 mm	250 pc	**3583064**
HSU-R M8x21/17 w/flange nut	M8	21 mm	17 mm	250 pc	**3583065**

[1)] For detailed stock availability and lead time information please contact your Hilti representative.



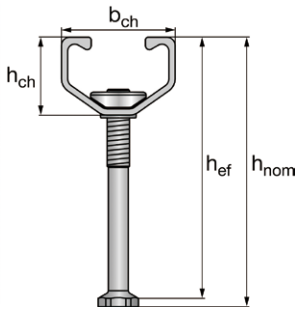
HSU-R setting tools and accessories

Ordering designation	Sales pack quantity	Item number
Setting tool HSU ST-G M6 manual	1 pc	**2179452**[1)]
Setting tool HSU ST-G M8 manual	1 pc	**2179453**
Drill bit HSU CDB 11/13.5 conveyor	1 pc	**2179456**
Drill bit HSU CDB 13/15.5 conveyor	1 pc	**2179457**

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Anchor channel HAC







APPLICATIONS

- Fastening curtain wall brackets
- Fastening elevator guide rail brackets for lift car and counter-weight
- Fastening elevator slide door and landing sill
- Fastening M&E system with demanding requirements in terms of flexibility and dust or noise reduction e.g. data center

ADVANTAGES

- Innovative V-shape provides high load resistance and close edge distances
- Faster installation of building services than with traditional anchor fastening method
- Dustless and noiseless fastening method
- Flexibility of use throughout the whole building life cycle

Technical data	
Base material	Concrete
Environmental conditions	Indoor, damp conditions
Material composition	Steel, Hot-dip galvanized

Order Now

HAC 40

Ordering designation	Length, l_{ch}	Number of anchors	Anchor distance	Standard embedment depth, h_{ef}	Sales pack quantity	Item number
HAC-40 91/200 F	200 mm	2	150 mm	91 mm	1 pc	**2122491**[1)]
HAC-40 91/350 F	350 mm	3	150 mm	91 mm	1 pc	**2122493**
HAC-40 91/550 F	550 mm	3	250 mm	91 mm	1 pc	**2122495**
HAC-40 91/1050 F	1050 mm	5	250 mm	91 mm	1 pc	**2122497**[1)]
HAC-40 91/1300 F	1300 mm	6	250 mm	91 mm	1 pc	**2122498**[1)]
HAC-40 91/1550 F	1550 mm	7	250 mm	91 mm	1 pc	**2122499**[1)]
HAC-40 91/1800 F	1800 mm	8	250 mm	91 mm	1 pc	**2122530**[1)]
HAC-40 91/2050 F	2050 mm	9	250 mm	91 mm	1 pc	**2122531**[1)]
HAC-40 91/2300 F	2300 mm	10	250 mm	91 mm	1 pc	**2122532**[1)]
HAC-40 91/5800 F	5800 mm	24	250 mm	91 mm	1 pc	**2122536**[1)]

[1)] This is a non-stock item. For detailed lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

HAC 50

Ordering designation	Length, l_{ch}	Number of anchors	Anchor distance	Standard embedment depth, h_{ef}	Sales pack quantity	Item number
HAC-50 106/200 F	200 mm	2	150 mm	106 mm	1 pc	**2122537**[1)]
HAC-50 106/350 F	350 mm	3	150 mm	106 mm	1 pc	**2122539**
HAC-50 106/450 F	450 mm	3	200 mm	106 mm	1 pc	**2122540**[1)]
HAC-50 106/550 F	550 mm	3	250 mm	106 mm	1 pc	**2122541**[1)]
HAC-50 106/1050 F	1050 mm	5	250 mm	106 mm	1 pc	**2122543**[1)]
HAC-50 106/2300 F	2300 mm	10	250 mm	106 mm	1 pc	**2122548**[1)]
HAC-50 106/5800 F	5800 mm	24	250 mm	106 mm	1 pc	**2122553**[1)]

[1)] This is a non-stock item. For detailed lead time information please contact your Hilti representative.

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HAC 60

Ordering designation	Length, l_{ch}	Number of anchors	Anchor distance	Standard embedment depth, h_{ef}	Sales pack quantity	Item number
HAC-60 148/350 F	350 mm	3	150 mm	148 mm	1 pc	**431851**
HAC-60 148/450 F	450 mm	3	200 mm	148 mm	1 pc	**431852**[1)]
HAC-60 148/550 F	550 mm	3	250 mm	148 mm	1 pc	**431853**[1)]
HAC-60 148/1050 F	1050 mm	5	250 mm	148 mm	1 pc	**431854**[1)]
HAC-60 148/2300 F	2300 mm	10	250 mm	148 mm	1 pc	**431855**[1)]
HAC-60 148/5800 F	5800 mm	24	250 mm	148 mm	1 pc	**431856**[1)]

[1)] This is a non-stock item. For detailed lead time information please contact your Hilti representative.

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HAC 70

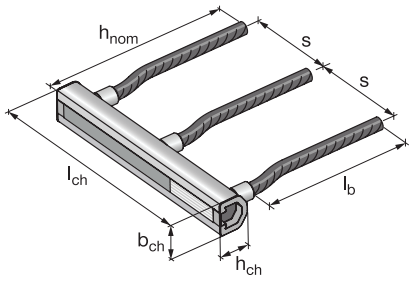
Ordering designation	Length, l_{ch}	Number of anchors	Anchor distance	Standard embedment depth, h_{ef}	Sales pack quantity	Item number
HAC-70 175/350 F	350 mm	3	150 mm	175 mm	1 pc	**431861**
HAC-70 175/450 F	450 mm	3	200 mm	175 mm	1 pc	**431862**
HAC-70 175/550 F	550 mm	3	250 mm	175 mm	1 pc	**431863**[1)]
HAC-70 175/1050 F	1050 mm	5	250 mm	175 mm	1 pc	**431864**[1)]
HAC-70 175/2300 F	2300 mm	10	250 mm	175 mm	1 pc	**431865**[1)]
HAC-70 175/5800 F	5800 mm	24	250 mm	175 mm	1 pc	**431866**[1)]

[1)] This is a non-stock item. For detailed lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

Anchor Channel – Corner Fixing HAC-CRFoS





APPLICATIONS

- Fastening curtain wall brackets in corner

ADVANTAGES

- No welding is required during the installation
- Design in pair for easy installation into formwork (traditional welded corner has difficulty to be inserted into the rebar cage)
- New type of protective, environmentally friendly foam insert (LDPE) and end caps seal the channel effectively, preventing concrete slurry from entering the channel

Technical data	
Environmental conditions	Indoor, damp conditions
Material composition	Steel, Hot-dip galvanized (channel)

Order Now

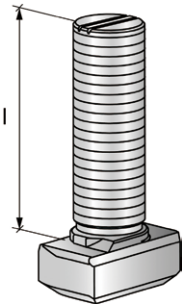
Ordering designation	Channel - Profile Height, h_{ch}	Channel - Profile Width, b_{ch}	Length, l_{ch}	Number of rebar	Rebar Leg Diameter	Rebar length, l_b	Effective embedment depth, h_{nom}	Sales pack quantity	Item number
HAC-40 372/350 F CRFoS	31 mm	41.9 mm	350 mm	3	Y10	325 mm	372 mm	1 pc	**2062945**[1)]
HAC-40 415/350 F CRFoS	35.5 mm	43.4 mm	350 mm	3	Y12	360 mm	415 mm	1 pc	**2070435**[1)]
HAC-40 444/350 F CRFoS	40 mm	45.4 mm	350 mm	3	Y16	380 mm	444 mm	1 pc	**2070268**

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

T-head bolt HBC-C





APPLICATIONS

- For use with HAC-40 to HAC-70 anchor channels

ADVANTAGES

- Simplification of the range available Only one universal bolt type needed to cover HAC-40 to HAC-70 anchor channels
- European approval according to latest technical specifications
- Dustless and noiseless fastening method

Hot-dip galvanized HBC-C

Technical data	
Environmental conditions	Indoor, damp conditions
Material composition	Steel, 8.8 grade, hot-dip galvanized (min. 45 µm)
Material, corrosion	Steel, sherardized / hot-dip galvanized



Order Now

Ordering designation	Anchor size	Useable thread length*	Bolt length, l	Sales pack quantity	Item number
HBC-C M12x60 8.8F	M12	51 mm	60 mm	100 pc	**2095646**
HBC-C M12x80 8.8F	M12	71 mm	80 mm	100 pc	**2095647**
HBC-C M12x100 8.8F	M12	91 mm	100 mm	100 pc	**2095648**[1)]
HBC-C M16x60 8.8F	M16	50 mm	60 mm	100 pc	**2095650**
HBC-C M16x80 8.8F	M16	70 mm	80 mm	50 pc	**2095651**
HBC-C M16x100 8.8F	M16	90 mm	100 mm	50 pc	**2095652**
HBC-C M20x60 8.8F	M20	48 mm	60 mm	50 pc	**2095653**[1)]
HBC-C M20x80 8.8F	M20	68 mm	80 mm	50 pc	**2095654**[1)]
HBC-C M20x100 8.8F	M20	88 mm	100 mm	50 pc	**2095655**[1)]

[1)] This is a non-stock item. For detailed lead time information please contact your Hilti representative.
* Usable thread length measures the bolt length protruded after inserted the HBC-C into the HAC channel

Please visit Hilti website for the latest item numbers and related products

Anchor channel HAC-C



APPLICATIONS

- Fastening of external cladding bracket e.g in wet zone
- Fastening of M&E services in outdoor or corrosive conditions

ADVANTAGES

- Special end caps with nail holes to ease installation of T-head bolts
- Dustless and noiseless fastening method
- Flexibility of use throughout the whole building life cycle



Technical data	
Base material	Concrete
Environmental conditions	Outdoor
Material composition	Hop-dip galvanized and stainless steel A4

HAC-C (A4 stainless steel)

Ordering designation	T-head bolt size	Length, lch	Number of anchors	Standard embedment depth, hef	Sales pack quantity	Item number
HAC-C 40/22-300-A4	40/22	300	2	79 mm	1 pc	**2170266**[1)]
HAC-C 40/22-350-A4	40/22	350	3	79 mm	1 pc	**2170267**
HAC-C 40/22-400-A4	40/22	400	3	79 mm	1 pc	**2170268**[1)]
HAC-C 40/22-450-A4	40/22	450	3	79 mm	1 pc	**2170269**[1)]
HAC-C 40/22-550-A4	40/22	550	3	79 mm	1 pc	**2170360**[1)]
HAC-C 40/22-800-A4	40/22	800	4	79 mm	1 pc	**2170361**[1)]
HAC-C 40/22-1050-A4	40/22	1050	5	79 mm	1 pc	**2170362**
HAC-C 40/22-1300-A4	40/22	1300	6	79 mm	1 pc	**2170363**
HAC-C 40/22-1550-A4	40/22	1550	7	79 mm	1 pc	**2170364**[1)]
HAC-C 50/30-300-A4	50/30	300	2	94 mm	1 pc	**2170395**
HAC-C 50/30-350-A4	50/30	350	3	94 mm	1 pc	**2170396**
HAC-C 50/30-400-A4	50/30	400	3	94 mm	1 pc	**2170397**[1)]
HAC-C 50/30-450-A4	50/30	450	3	94 mm	1 pc	**2170398**[1)]
HAC-C 50/30-550-A4	50/30	550	3	94 mm	1 pc	**2170399**
HAC-C 50/30-800-A4	50/30	800	4	94 mm	1 pc	**2170400**[1)]
HAC-C 50/30-1050-A4	50/30	1050	5	94 mm	1 pc	**2170401**
HAC-C 50/30-1300-A4	50/30	1300	6	94 mm	1 pc	**2170402**
HAC-C 50/30-1550-A4	50/30	1550	7	94 mm	1 pc	**2170403**
HAC-C 52/34-300-A4	52/34	300	2	155 mm	1 pc	**2170256**[1)]
HAC-C 52/34-350-A4	52/34	350	3	155 mm	1 pc	**2170257**
HAC-C 52/34-400-A4	52/34	400	3	155 mm	1 pc	**2170258**[1)]
HAC-C 52/34-450-A4	52/34	450	3	155 mm	1 pc	**2170259**[1)]
HAC-C 52/34-550-A4	52/34	550	3	155 mm	1 pc	**2170410**
HAC-C 52/34-800-A4	52/34	800	4	155 mm	1 pc	**2170411**
HAC-C 52/34-1050-A4	52/34	1050	5	155 mm	1 pc	**2170412**

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

Please visit Hilti website for the latest item numbers and related products

HAC-C (Hot-dip galvanized)

Ordering designation	T-head bolt size	Length, lch	Number of anchors	Standard embedment depth, hef	Sales pack quantity	Item number
HAC-C 40/22-300-F	40/22	300	2	79 mm	1 pc	**2168472**[1)]
HAC-C 40/22-350-F	40/22	350	3	79 mm	1 pc	**2168473**
HAC-C 40/22-400-F	40/22	400	3	79 mm	1 pc	**2168474**[1)]
HAC-C 40/22-450-F	40/22	450	3	79 mm	1 pc	**2168475**[1)]
HAC-C 40/22-550-F	40/22	550	3	79 mm	1 pc	**2168476**[1)]
HAC-C 40/22-800-F	40/22	800	4	79 mm	1 pc	**2168477**[1)]
HAC-C 40/22-1050-F	40/22	1050	5	79 mm	1 pc	**2168478**
HAC-C 40/22-1300-F	40/22	1300	6	79 mm	1 pc	**2168479**
HAC-C 40/22-1550-F	40/22	1550	7	79 mm	1 pc	**2168480**[1)]
HAC-C 50/30-300-F	50/30	300	2	94 mm	1 pc	**2168524**
HAC-C 50/30-350-F	50/30	350	3	94 mm	1 pc	**2168525**
HAC-C 50/30-400-F	50/30	400	3	94 mm	1 pc	**2168526**[1)]
HAC-C 50/30-450-F	50/30	450	3	94 mm	1 pc	**2168527**[1)]
HAC-C 50/30-550-F	50/30	550	3	94 mm	1 pc	**2168528**
HAC-C 50/30-800-F	50/30	800	4	94 mm	1 pc	**2168529**[1)]
HAC-C 50/30-1050-F	50/30	1050	5	94 mm	1 pc	**2168530**
HAC-C 50/30-1300-F	50/30	1300	6	94 mm	1 pc	**2168531**
HAC-C 50/30-1550-F	50/30	1550	7	94 mm	1 pc	**2168532**
HAC-C 52/34-300-F	52/34	300	2	155 mm	1 pc	**2168542**[1)]
HAC-C 52/34-350-F	52/34	350	3	155 mm	1 pc	**2168543**
HAC-C 52/34-400-F	52/34	400	3	155 mm	1 pc	**2168544**[1)]
HAC-C 52/34-450-F	52/34	450	3	155 mm	1 pc	**2168545**[1)]
HAC-C 52/34-550-F	52/34	550	3	155 mm	1 pc	**2168546**
HAC-C 52/34-800-F	52/34	800	4	155 mm	1 pc	**2168547**[1)]
HAC-C 52/34-1050-F	52/34	1050	5	155 mm	1 pc	**2168548**

[1)] For detailed stock availability and lead time information please contact your Hilti representative.

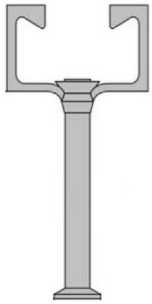
Please visit Hilti website for the latest item numbers and related products

Anchor channel HAC-C-P



APPLICATIONS

- Fastening curtain wall façade brackets to concrete slabs
- Fastening overhead MEP installations and equipment
- Fastening infrastructure in tunnels, including safety equipment and overhead lines (curved and stainless steel versions available)
- Creating adjustable, retrofittable fastening points in concrete
- Fastening in lift shafts, such as fixing guiderails, sliding doors or divider beams



ADVANTAGES

- Upgraded load capacity – higher static tension and shear values mean you can specify the same cast-in channels for virtually any loading
- Engineering and software support – you can use Hilti PROFIS Anchor Channel software and our engineering services team to streamline your design work
- Designed for high-speed installation – end caps with nail holes, one-pull filler foam and many other features help to make these anchor channels faster and easier on-site
- Available in stainless steel and hot-dip galvanised versions – helping to provide corrosion protection as needed for specific environmental conditions

Technical data	
Base material	Concrete
Environmental conditions	Outdoor
Material composition	Steel, A4 stainless steel

HAC-C-P (A4 stainless steel)

Ordering designation	T-head bolt size	Length, lch	Number of anchors	Standard embedment depth, hef	Sales pack quantity	Item number
HAC-C-P 40/22 300 A4	40/22	300	2	91 mm	1 pc	**2277367**
HAC-C-P 40/22 350 A4	40/22	350	3	91 mm	1 pc	**2277368**
HAC-C-P 40/22 400 A4	40/22	400	3	91 mm	1 pc	**2277369**
HAC-C-P 40/22 450 A4	40/22	450	3	91 mm	1 pc	**2277370**
HAC-C-P 40/22 550 A4	40/22	550	3	91 mm	1 pc	**2277371**
HAC-C-P 40/22 1050 A4	40/22	1050	5	91 mm	1 pc	**2277372**
HAC-C-P 50/30 300 A4	50/30	300	2	106 mm	1 pc	**2277388**
HAC-C-P 50/30 350 A4	50/30	350	3	106 mm	1 pc	**2277389**
HAC-C-P 50/30 450 A4	50/30	450	3	106 mm	1 pc	**2277390**
HAC-C-P 50/30 550 A4	50/30	550	3	106 mm	1 pc	**2277391**
HAC-C-P 50/30 1050 A4	50/30	1050	5	106 mm	1 pc	**2277392**

Please visit Hilti website for the latest item numbers and related products

HAC-C-P (Hot-dip galvanized)

Ordering designation	T-head bolt size	Length, lch	Number of anchors	Standard embedment depth, hef	Sales pack quantity	Item number
HAC-C-P 40/22 300 F	40/22	300	2	91 mm	1 pc	**2277352**
HAC-C-P 40/22 350 F	40/22	350	3	91 mm	1 pc	**2277353**
HAC-C-P 40/22 400 F	40/22	400	3	91 mm	1 pc	**2277354**
HAC-C-P 40/22 450 F	40/22	450	3	91 mm	1 pc	**2277355**
HAC-C-P 40/22 550 F	40/22	550	3	91 mm	1 pc	**2277356**
HAC-C-P 40/22 800 F	40/22	800	4	91 mm	1 pc	**2277357**
HAC-C-P 40/22 1050 F	40/22	1050	5	91 mm	1 pc	**2277358**
HAC-C-P 40/22 1300 F	40/22	1300	6	91 mm	1 pc	**2277359**
HAC-C-P 40/22 1550 F	40/22	1550	7	91 mm	1 pc	**2277360**
HAC-C-P 50/30 300 F	50/30	300	2	106 mm	1 pc	**2277377**
HAC-C-P 50/30 350 F	50/30	350	3	106 mm	1 pc	**2277378**
HAC-C-P 50/30 450 F	50/30	450	3	106 mm	1 pc	**2277379**
HAC-C-P 50/30 550 F	50/30	550	3	106 mm	1 pc	**2277380**
HAC-C-P 50/30 800 F	50/30	800	4	106 mm	1 pc	**2277381**
HAC-C-P 50/30 1050 F	50/30	1050	5	106 mm	1 pc	**2277382**

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T-head bolt HBC



APPLICATIONS

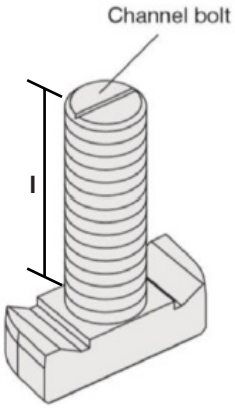
- For use with HAC-C stainless steel anchor channels

ADVANTAGES

- European approval according to latest technical specifications
- Dustless and noiseless fastening method

Technical data	
Environmental conditions	Outdoor
Material composition	Hop-dip galvanized and stainless steel A4

HBC-40/22 and HBC-40/22-N: Suitable for profies HAC-C(-P) 40/22
HBC-50/30 and HBC-50/30-N: Suitable for profiles HAC-C (-P) 50/30, 52/34



HBC (A4 stainless steel)

Ordering designation	Anchor size	Usable thread length	Bolt length, l	Sales pack quantity	Item number
HBC-C 40/22-M12x60 A4-70	M12	36.7 mm	60 mm	50 pc	**2169081**
HBC-C 40/22-M12x80 A4-70	M12	56.7 mm	80 mm	25 pc	**2169082**[1)]
HBC-C 40/22-M16x60 A4-70	M16	32.2 mm	60 mm	25 pc	**2169084**
HBC-C 40/22-M16x80 A4-70	M16	52.2 mm	80 mm	25 pc	**2169085**
HBC-C 50/30-M16x60 A4-70	M16	30.2 mm / 26.7 mm	60 mm	50 pc	**2168809**
HBC-C 50/30-M16x80 A4-70	M16	50.2 mm / 46.7 mm	80 mm	50 pc	**2168810**
HBC-C 40/22-M20x60 A4-70	M20	45 mm / 41.5 mm	80 mm	50 pc	**2168814**[1)]

[1)] This is non-stock item. For detailed leadtime information, please contact your Hilti representative.
*Usable thread length measures the bolt length protruded after inserted the HBC into the HAC channel.

Please visit Hilti website for the latest item numbers and related products

HBC (Grade 8.8, hot-dip galvanized)

Ordering designation	Anchor size	Usable thread length	Bolt length, l	Sales pack quantity	Item number
HBC-40/22-N M12x60 8.8F	M12	36.7 mm	60 mm	50 pc	**2169074**
HBC-40/22-N M12x80 8.8F	M12	56.7 mm	80 mm	25 pc	**2169075**
HBC-40/22-N M16x60 8.8F	M16	32.2 mm	60 mm	25 pc	**2169077**
HBC-40/22-N M16x80 8.8F	M16	52.2 mm	80 mm	25 pc	**2169078**
HBC-50/30-N M16x60 8.8F	M16	30.2 mm / 26.7 mm	60 mm	50 pc	**2168746**
HBC-50/30-N M16x80 8.8F	M16	50.2 mm / 46.7 mm	80 mm	50 pc	**2168747**
HBC-50/30-N M20x60 8.8F	M20	45 mm / 41.5 mm	80 mm	50 pc	**2168800**[1)]

[1)] This is non-stock item. For detailed leadtime information, please contact your Hilti representative.*Usable thread length measures the bolt length protruded after inserted the HBC into the HAC channel.

Please visit Hilti website for the latest item numbers and related products

HBC-N (Grade 8.8, hot-dip galvanized)

Ordering designation	Anchor size	Usable thread length	Bolt length, l	Sales pack quantity	Item number
HBC-40/22-N M16x60 8.8F	M16	48.5 mm	60 mm	25 pc	**2169143**
HBC-40/22-N M16x80 8.8F	M16	68.5 mm	80 mm	25 pc	**2169144**
HBC-50/30-N M16x60 8.8F	M16	48.5 mm	60 mm	25 pc	**2169149**
HBC-50/30-N M16x80 8.8F	M16	68.5 mm	80 mm	25 pc	**2169160**
HBC-50/30-N M20x60 8.8F	M20	44.5 mm	60 mm	50 pc	**2168515**
HBC-50/30-N M20x80 8.8F	M20	64.5 mm	80 mm	50 pc	**2168516**

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Cast-in Socket HCS



BASE MATERIALS

- Concrete
- GRC

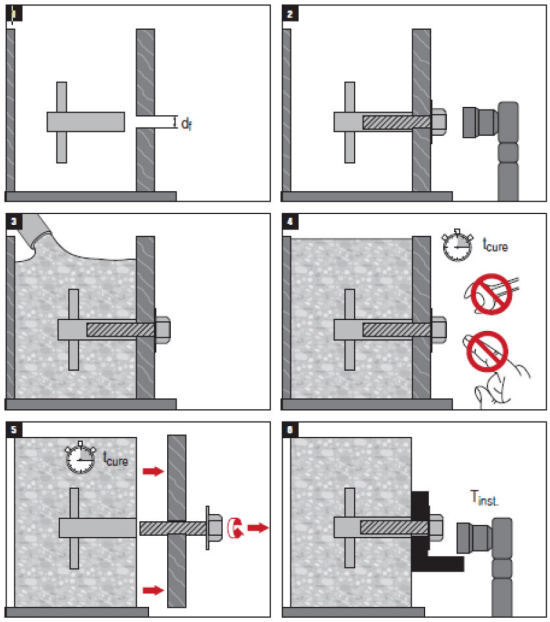
APPLICATIONS

- Façade fixing : Louver, GRC & Cladding works
- Precast panel support fixing
- Cooking bench fixing

ADVANTAGES

- Simple to locate on formwork accurately
- Shallow embedment depth required
- No stress impose on the concrete during pouring
- Clear marking for inspection

Technical data	
Head configuration	Inner thread
Type of fastening	Pre-fastening
HCS – Material Composition	Free cutting steel 1215
HCS – Material, Corrosion	Zinc plating 5µ on free cutting steel
HCS-R – Material Composition	Steel, A4 (SS316)



These are abbreviated instructions which may vary according to the application.

Recommended load (kN), non-cracked concrete at 25N/mm², safety factor(γ)=3

Model	Size	M8	M10	M12	M16
HCS (8.8)	Tensile Load, Nrec	3.0	4.2	5.8	6.9
	Shear Load, Vrec	4.3	7.1	9.7	12.3
HCS-R (A4-70)	Tensile Load, Nrec	3.0	4.2	5.8	6.9
	Shear Load, Vrec	4.3	6.8	9.9	13.7

Remarks:
1) All the data applies to no edge distance, spacing and other influences.
2) The loading performance varies depends on the steel grade of the screw or rod used in the HCS.
3) The bracket after HCS naming states the data for the steel grade of the screw or rod used.
4) For detail design method please refer to Fastening Technology Manual.

Ordering designation	Overall Anchor length	Outside Diameter	Allowable Screwing Depth	Effective Anchorage Depth	Max. tightening torque	Clearance hole	Sales pack quantity	Item number
HCS M8x40	40 mm	12 mm	10 / 21 mm	29 mm	8 Nm	9 mm	100 pc	**2123086**[1)]
HCS M10x50	50 mm	16 mm	12 / 23 mm	36 mm	15 Nm	12 mm	50 pc	**2123087**[1)]
HCS M12x60	60 mm	19 mm	14 / 26 mm	45 mm	25 Nm	14 mm	50 pc	**2123088**[1)]
HCS M16x70	70 mm	22 mm	19 / 33 mm	50 mm	50 Nm	18 mm	25 pc	**2123089**
HCS-R M8x40	40 mm	12 mm	10 / 21 mm	29 mm	8 Nm	9 mm	100 pc	**2123350**[1)]
HCS-R M10x50	50 mm	16 mm	12 / 23 mm	36 mm	15 Nm	12 mm	50 pc	**2123351**
HCS-R M12x60	60 mm	19 mm	14 / 26 mm	45 mm	25 Nm	14 mm	50 pc	**2123352**[1)]
HCS-R M16x70	70 mm	22 mm	19 / 33 mm	50 mm	50 Nm	18 mm	25 pc	**2123353**[1)]

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