



# Hilti HHD-S Hollow Wall Anchor

## Submission Folder

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**Cavity anchor HHD-S**

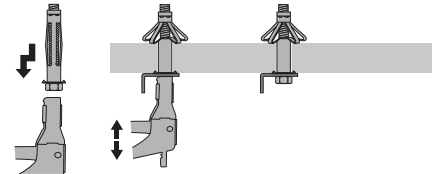


**BASE MATERIALS**

- 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 <sup>1)</sup>
HHD-S M4/6X32	M4	32 mm	8 mm	25 mm	100 pc	332061 <sup>1)</sup>
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 <sup>1)</sup>
HHD-S M5/12X52	M5	52 mm	10 mm	30 mm	50 pc	332066 <sup>1)</sup>
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 <sup>1)</sup>
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 <sup>1)</sup>

<sup>1)</sup> 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 HHD-S



### APPLICATIONS

- Setting tool for HHD-S and HHD cavity anchors

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### Technical data

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**Dispenser, setting tool, accessory, tester type**      Setting tools

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

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

# HHD-S Light duty metal anchors

## Economical cavity anchor

### Anchor version



HHD-S  
(M4-M8)

### Benefits

- Metal undercut anchor with metric screw for drywall
- Metal to metal fastening
- Reliable undercut

### Base material



Drywall

### Basic loading data (for a single anchor)

#### All data in this section applies to:

- Correct setting (See setting instruction)
- No edge distance and spacing influence
- Base material as specified in the table
- Borehole drilling without hammering

#### Recommended loads <sup>a)</sup>

Anchor size		M4	M5	M6	M8
Hollow brick web thickness 20mm	$N_{Rd}$ [kN]	0,1	-	-	-
	$V_{Rd}$ [kN]	0,3	-	-	-
Gypsum board Thickness 10mm	$N_{Rd}$ [kN]	0,2	0,2	0,2	0,2
	$V_{Rd}$ [kN]	0,5	0,5	0,5	0,5
Gypsum board Thickness 12,5mm	$N_{Rd}$ [kN]	0,2	0,2	0,2	0,2
	$V_{Rd}$ [kN]	0,5	0,5	0,5	0,5
Gypsum board Thickness 2x12,5mm	$N_{Rd}$ [kN]	-	0,4	0,3	0,4
	$V_{Rd}$ [kN]	-	1	0,9	1
Fibre reinforced gypsum board Thickness 10mm	$N_{Rd}$ [kN]	0,2	0,3	0,25	0,4
	$V_{Rd}$ [kN]	0,5	0,6	0,8	0,9
Fibre reinforced gypsum board Thickness 12,5mm	$N_{Rd}$ [kN]	0,3	0,5	0,3	0,6
	$V_{Rd}$ [kN]	0,6	1	1	1,2
Fibre reinforced gypsum board Thickness 2x12,5mm	$N_{Rd}$ [kN]	-	0,9	0,8	0,9
	$V_{Rd}$ [kN]	-	1,1	1,8	1,7

a) With overall global safety factor  $\gamma = 3.0$  to the characteristic loads and a partial safety factor of  $\gamma = 1.4$  to the design values.

### Materials

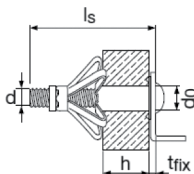
#### Material quality

Part	Material
Plastic sleeve	Carbon steel, galvanised
Screw	Carbon steel, galvanised

## Setting information

### Setting details

Anchor			M4x4	M4x6	M4x12	M4x19	M5x8	M5x12	M5x25
Nominal diameter of drill bit	$d_o$	[mm]	8	8	8	8	10	10	10
Anchor length	$l$	[mm]	20	32	38	45	38	52	65
Anchor neck length	$h$	[mm]	4	6	12,5	19	8	12,5	25
Screw length	$l_s \geq$	[mm]	25	39	45	52	45	58	71
Screw diameter	$d$	[mm]	M4	M4	M4	M4	M5	M5	M5
Panel thickness	$h_{min,max}$	[mm]	3 - 4	6 - 7	10 - 13	18 - 20	6 - 8	11 - 13	23 - 25
Max. fixable thickness for pre-setting	$t_{fix}$	[mm]	15	25	25	25	25	30	30
Anchor			M6x9	M6x12	M6x24	M6x40	M8x12	M8x24	M8x40
Nominal diameter of drill bit	$d_o$	[mm]	12	12	12	12	12	12	12
Anchor length	$l$	[mm]	38	52	65	80	54	66	83
Anchor neck length	$h$	[mm]	9	12,5	25	40	12,5	25	40
Screw length	$l_s \geq$	[mm]	45	58	71	88	60	72	90
Screw diameter	$d$	[mm]	M6	M6	M6	M6	M8	M8	M8
Panel thickness	$h_{min,max}$	[mm]	7 - 9	11 - 13	23 - 25	38 - 40	11 - 13	23 - 25	38 - 40
Max. fixable thickness for pre-setting	$t_{fix}$	[mm]	20	30	30	30	30	30	35



### Installation equipment

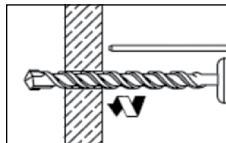
Anchor	M4	M5	M6	M8
Rotary hammer	TE2 - TE16			
Other tools	Screwdriver, HHD-SZ2 expansion tool			

### Setting instruction

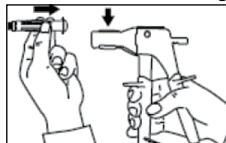
\* For detailed information on installation see instruction for use given with the package of the product.

#### Setting instructions

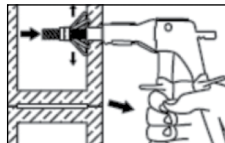
##### 1. Drill hole with drill bit



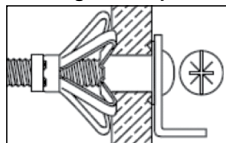
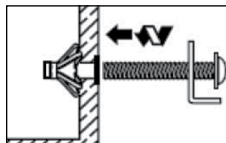
##### 2. Put anchor into setting tool



##### 3. Install anchor with setting tool



##### 4. Remove screw from anchor and screw in gain with part being fastened attached



Attn. : To whom it may concern

Date : 26 September 2023  
Ref. : 115/FP/DY/23

Subject : Country of Origin- Hilti HHD-S Hollow Wall Anchor

Dear Sir / Madam,

Enclosed please find the information of Hilti HHD-S Hollow Wall Anchor.

Brand Name : Hilti

Model Name : Hilti HHD-S Hollow Wall Anchor

Manufacturer : Hilti Corporation

Address of Manufacturer : FL-9494, Principality of Liechtenstein.

Manufacturer Contact Person : Dennis Yeung

Supplier : Hilti (Hong Kong) Ltd

Address of Supplier : 701-704, 7/F, Tower A, Manulife Financial Centre,  
223 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong

Supplier Contact Person : Dennis Yeung (+852 9723 4621)

Country of Origin : China

Should you have further questions, please do not hesitate to contact our Technical Representatives, Customer Service Hotline at 8228-8118, or email us at [hksales@hilti.com](mailto:hksales@hilti.com).

Yours faithfully,



Dennis Yeung  
Head of Product Leadership Strategy, F&P

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# Hilti HHD-S Hollow Wall Anchor Job Reference

Year	Project Name	Customer Name	Project type
2022	YAU MA TEI- KWONG WAH HOSPITAL PHASE 1	LEUNG'S WOODEN CO.	Health
2022	ON SAU RD, SITE KT2A, ANDERSON RD QUARRY - S	CHUN WO-STEER-VASTEAM JOINT VENTURE	Education
2022	HAVEN OF HOPE HOSPITAL EXT	HOSPITAL AUTHORITY	Health
2022	North District Hospital	CHINA STATE CONSTRUCTION	Health
2022	KING LAM ST GOVT DATA CENTRE	ATAL ENGINEERING LIMITED	Office
2022	KWONG WAH HOSPITAL PH2 - (IPS)	KIN WIN ENGINEERING LIMITED	Health
2023	KWONG WAH HOSPITAL PH2 - (IPS)	FU TAT E&M ENGINEERING (HK)	Health
2024	TUEN MUN AREA 29 WEST - PUBLIC HOUSING	AGGRESSIVE CONSTRUCTION COMPANY	Residential
2024	UNITED CHRISTIAN HOSPITAL	BUILD KING - HYUNDAI JOINT VENTURE	Health