

# Hilti Drywall Screw Submission Folder

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SD 5000 Drywall Screwdriver	
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Customer Hotline

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**Macau (Toll free)** 00800- 8228 8118

Website

**[www.hilti.com.hk](http://www.hilti.com.hk)**



f.	<b>Appearance</b> Not specified	According to the sample submitted
g.	<b>Color +</b> Not specified	NIL
h.	<b>Specification</b> Not specified	Attached
i.	<b>Manufacturer's Catalogue</b> Not specified	Attached
j.	<b>Test Report (Original/Certificated True Copy)</b> Not specified	Attached
k.	<b>Previous Job Reference</b> Not specified	Attached
l.	<b>Supplementary Information</b> Not specified	NIL

For and on behalf of the Contractor

\_\_\_\_\_  
(Quality Control Manager)

<b>CONTRACT MANAGER'S COMMENTS</b>	
To:	
From:	Contract Manager's Representative: _____
On the basis of the sample and information given, the above sample submitted is:	
(1) *	<b>Approved.</b>
(2) *	<b>Not approved</b> because _____
_____	
_____	
Remarks:	_____
_____	
_____	
Approval does not alter the requirements of the Contract	
Contract Manager's Representative: _____	
_____	
Date: _____	

CC. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(\* Delete if appropriate)  
(+ For glass or vitreous mosaic tiles, the contractor is required to confirm the colour range(s) of the submitted sample, i.e. a) light and or medium; or b) dark)

## SD 5000 drywall screwdriver for interior finishing

### Applications

- For fastening drywall panels to walls and ceilings
- For assembling and fastening drywall tracks / framing
- For driving screw into wood

### Technical data

Voltage:	110 - 120 V / 230 - 240 V
Nominal power:	710 W
No-load speed:	0 - 5000 r.p.m.
Max. torque:	9.5 Nm
Weight (without supply cord):	1.4 kg
Supply cord length:	5 m
Dimensions (L x W x H):	300 x 77 x 170 mm

Reversing switch, lockbutton for sustained operation, on-off switch with control electronics for speed regulation, 1/4" hexagon socket bit holder, adjustable depth of penetration

## SMD 57 screw magazine

### Technical data

Weight:	0.33 kg
Length:	180 mm
Screw penetration depth:	infinitely adjustable
Contact pressure:	45 N (4.5 kp)
Screw capacity:	50 screws per strip
Screw length:	9 - 57 mm
Screw diameter range:	3.0 - 4.5 mm
Bit:	Phillips no. 2

Ordering designation

**Hilti SD 5000 in cardboard box, 230V**

**Hilti SD 5000 in cardboard box, 110V**

Equipped with 75 mm magnetic bit holder, Phillips no. 2 bit, 75 mm aluminium depth gauge, operating instructions, five-metre supply cord

Item no.

**236637**

**236594**



Provide an upgraded comfortable single-hand operation during drywall installation.



Hilti SMD57 accepts the advanced innovative magazine concept that ensures simple operation, easy maintenance and high productivity.

### Benefits

- Convenient, efficient and easy to operate with excellent working comfort
- Very short magazine for superior handling
- Trouble-free in use - no jamming, no transport malfunctions, no lost screws
- Magazine easy to take apart for cleaning - no tools required
- Unique downward air deflection keeps dust away from the working area
- Bits very easy to change thanks to well-proven aluminum depth gauge
- Depth gauge can be quickly removed for fastening drywall track



### Accessories

Description	Packing (pcs.)	Ordering designation	Item no.
<b>Depth gauge (75 mm)</b>	<b>1</b>	<b>S-DG-D 11x75</b>	① <b>286504</b>
<b>Depth gauge (50 mm)</b>	<b>1</b>	<b>S-DG-D 11x50</b>	② <b>241058</b>
<b>Belt hook</b>	<b>1</b>		③ <b>240812</b> ★



### Insert tools

Description	Packing (pcs.)	Ordering designation	Item no.
<b>Magnetic bit holder (75 mm)</b>	<b>1</b>	<b>S-BH 75M</b>	① <b>257258</b> ★
<b>Magnetic bit holder (50 mm)</b>	<b>1</b>	<b>S-BH 50M</b>	② <b>257257</b> ★
<b>Phillips no. 2 bit</b>	<b>10</b>	<b>S-B PH2 DRY bit</b>	③ <b>374703</b>



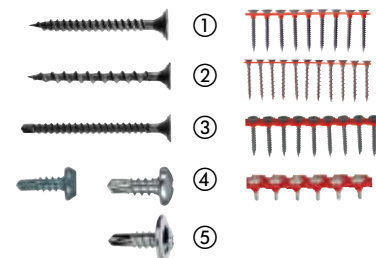
### SMD 57 screw magazine

Description	Item no.
<b>SMD 57 magazine</b>	① <b>281297</b>
Supplied in cardboard box with S-MBL 116 PH2 bit and operating instructions	
<b>SME magazine extension</b>	② <b>304495</b>
Supplied in cardboard box with S-BH 570 bit holder, side handle and operation instruction	
<b>S-MBL 116 PH2 special bit</b>	③ <b>281298</b> ★
Special screwdriving bit for the SMD 57 screw magazine	



### Screws

Description	Item no.
<b>S-DS 01 drywall screws with fine thread</b>	①
<b>S-DS 03 drywall screws with coarse thread</b>	②
<b>S-DD 01 drywall screws with drill point</b>	③
<b>S-DD 02 &amp; S-DD 08 framer screws with drill point</b>	④
<b>S-DD 03 special drywall screws with drill point</b>	⑤



Remarks: Please refer to p.168-p.170 for detail information

★ Special Request

## S-DS / S-DD / framer screw

### Base material

- Metal
- Aluminum
- Timber

### Use

- Fastening drywall panels to metal studs/timber framing
- Fastening light weight construction panels, lathing, connecting structures etc.

### Material

- Drywall screw - Black phosphated, zinc-plated and yellow zinc
- Framer screw - Zinc-plated



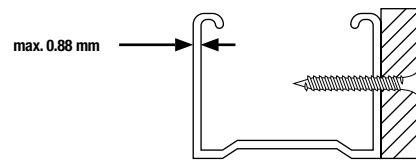
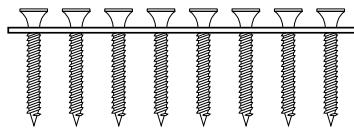
### Benefits

- Single screws may cost less initially but collated screws cut labour costs by a much higher factor
- Significantly faster progress for higher daily output
- Approved by construction supervisory authority in Germany

## Drywall screw program

### S-DS 01, black phosphated, fine thread, countersunk head screw

for fastening drywall panels to metal studs up to 0.88 mm thickness, double-lead thread, bulk (lengths from 25 to 55 mm) and in magazine strips of 50 (lengths from 25 to 55 mm)

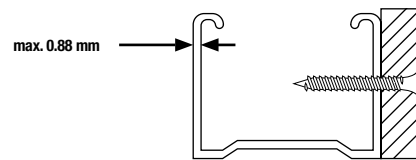
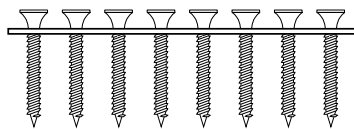


Drilling thk. (DC) (mm)	Dim.(dxL) (mm)	Head type	Package (pcs)	Order designation	Item no
0.88	3.5x25	PH Gr.2	1,000	S-DS 01 B 3.5x25	218974
0.88	3.5x35	PH Gr.2	1,000	S-DS 01 B 3.5x35	224699
0.88	3.5x45	PH Gr.2	1,000	S-DS 01 B 3.5x45	231620
0.88	3.5x55	PH Gr.2	500	S-DS 01 B 3.5x55	231621
0.88	3.5x25	PH Gr.2	1,000	S-DS 01 B 3.5x25M*	233438
0.88	3.5x35	PH Gr.2	1,000	S-DS 01 B 3.5x35M*	233439
0.88	3.5x45	PH Gr.2	1,000	S-DS 01 B 3.5x45M*	251824
0.88	3.5x55	PH Gr.2	1,000	S-DS 01 B 3.5x55M*	314642

remark: \* = magazine type

### S-DS 01, zinc-plated, fine thread, countersunk head screw

for fastening drywall panels to metal studs up to 0.88 mm thick, double-lead thread, bulk (lengths from 25 to 55 mm) and in magazine strips of 50 (lengths from 25 to 55 mm)

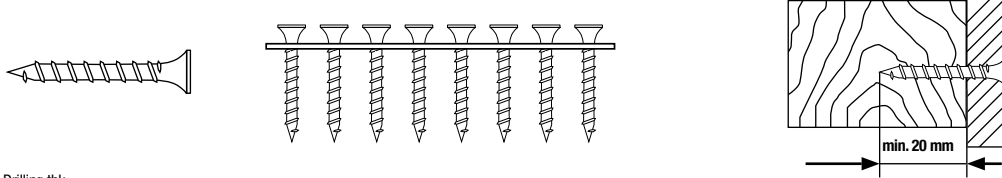


Drilling thk. (DC) (mm)	Dim.(dxL) (mm)	Head type	Package (pcs)	Order designation	Item no
0.88	3.5x25	PH Gr.2	1,000	S-DS 01 Z 3.5x25	218979
0.88	3.5x35	PH Gr.2	1,000	S-DS 01 Z 3.5x35	231623
0.88	3.5x45	PH Gr.2	1,000	S-DS 01 Z 3.5x45	231624
0.88	3.5x55	PH Gr.2	500	S-DS 01 Z 3.5x55	231625
0.88	3.5x25	PH Gr.2	1,000	S-DS 01 Z 3.5x25M*	385024
0.88	3.5x35	PH Gr.2	1,000	S-DS 01 Z 3.5x35M*	385026
0.88	3.5x45	PH Gr.2	1,000	S-DS 01 Z 3.5x45M*	385028
0.88	3.5x55	PH Gr.2	1,000	S-DS 01 Z 3.5x55M*	385030

remark: \* = magazine type

**S-DS 03, black phosphated, coarse thread, countersunk head screw**

for fastening drywall panels to timber framing, coarse thread, bulk (lengths from 35 to 55 mm)  
and in magazine strips of 50 (lengths from 35 to 55 mm)

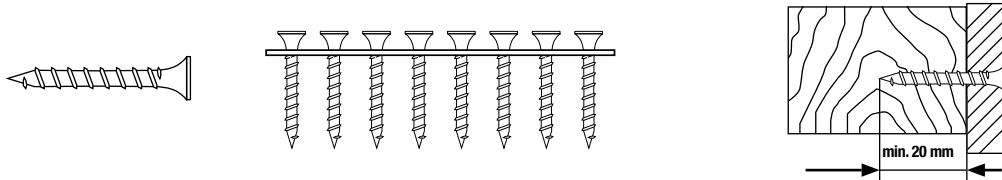


Drilling thk. (DC) (mm)	Dim.(dxL) (mm)	Head type	Package (pcs)	Order designation	Item no
-	4.0x35	PH Gr.2	1,000	<b>S-DS 03 B 4.0x35</b>	<b>231631</b> ★
-	4.0x45	PH Gr.2	1,000	<b>S-DS 03 B 4.0x45</b>	<b>231632</b> ★
-	4.0x55	PH Gr.2	500	<b>S-DS 03 B 4.0x55</b>	<b>218991</b> ★
-	4.0x35	PH Gr.2	1,000	<b>S-DS 03 B 4.0x35M*</b>	<b>233441</b> ★
-	4.0x45	PH Gr.2	1,000	<b>S-DS 03 B 4.0x45M*</b>	<b>251825</b> ★
-	4.0x55	PH Gr.2	1,000	<b>S-DS 03 B 4.0x55M*</b>	<b>314639</b> ★

remark: \* = magazine type

**S-DS 03, zinc-plated, coarse thread, countersunk head screw**

for fastening drywall panels to timber framing, coarse thread, bulk (lengths from 35 to 55 mm)  
and in magazine strips of 50 (lengths from 25 to 45 mm)

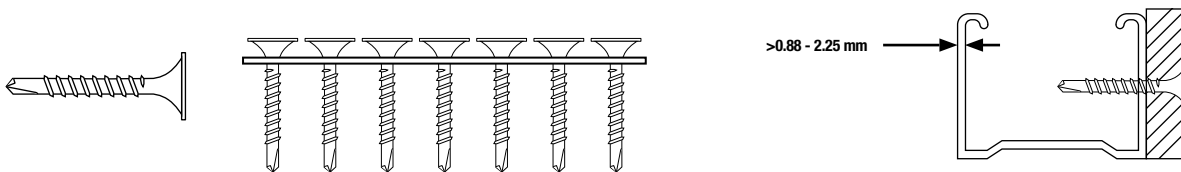


Drilling thk. (DC) (mm)	Dim.(dxL) (mm)	Head type	Package (pcs)	Order designation	Item no
-	4.0x35	PH Gr.2	1,000	<b>S-DS 03 Z 4.0x35</b>	<b>231633</b> ★
-	4.0x41	PH Gr.2	500	<b>S-DS 03 Z 4.0x41</b>	<b>218993</b> ★
-	4.0x55	PH Gr.2	500	<b>S-DS 03 Z 4.0x55</b>	<b>218994</b> ★
-	4.0x25	PH Gr.2	1,000	<b>S-DS 03 Z 4.0x25M*</b>	<b>273262</b> ★
-	4.0x35	PH Gr.2	1,000	<b>S-DS 03 Z 4.0x35M*</b>	<b>251827</b> ★
-	4.0x45	PH Gr.2	1,000	<b>S-DS 03 Z 4.0x45M*</b>	<b>273263</b> ★

remark: \* = magazine type

**S-DD 01, black phosphated, with drill point, countersunk head screw**

for fastening drywall panels to metal studs > 0.88 to 2.25 mm thick and overlapping metal framing parts, tapping screw thread, bulk (lengths from 25 to 50 mm) and in magazine strips of 50 (lengths from 25 to 45 mm)

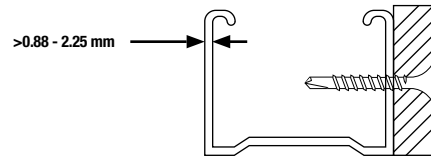
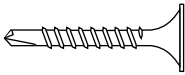


Drilling thk. (DC) (mm)	Dim.(dxL) (mm)	Head type	Package (pcs)	Order designation	Item no
<b>0.88-2.25</b>	3.5x25	PH Gr.2	1,000	<b>S-DD 01 B 3.5x25</b>	<b>218995</b>
<b>0.88-2.25</b>	3.5x35	PH Gr.2	1,000	<b>S-DD 01 B 3.5x35</b>	<b>231682</b>
<b>0.88-2.25</b>	3.5x45	PH Gr.2	1,000	<b>S-DD 01 B 3.5x45</b>	<b>231683</b>
<b>0.88-2.25</b>	3.5x50	PH Gr.2	1,000	<b>S-DD 01 B 3.5x50</b>	<b>218998</b> ★
<b>0.88-2.25</b>	3.5x25M	PH Gr.2	1,000	<b>S-DD 01 B 3.5x25M*</b>	<b>233443</b>
<b>0.88-2.25</b>	3.5x35M	PH Gr.2	1,000	<b>S-DD 01 B 3.5x35M*</b>	<b>233444</b>
<b>0.88-2.25</b>	3.5x45M	PH Gr.2	1,000	<b>S-DD 01 B 3.5x45M*</b>	<b>251826</b>

remark: \* = magazine type

**S-DD 01, zinc-plated, with drill point, countersunk head screw**

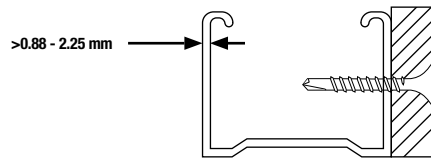
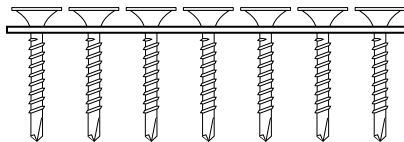
for fastening drywall panels to metal studs > 0.88 to 2.25 mm thick and overlapping metal framing parts, tapping screw thread, bulk (lengths from 25 to 45 mm)



Drilling thk. (DC) (mm)	Dim.(dxL) (mm)	Head type	Package (pcs)	Order designation	Item no
0.88-2.25	3.5x25	PH Gr.2	1,000	S-DD 01 Z 3.5x25	218999
0.88-2.25	3.5x35	PH Gr.2	1,000	S-DD 01 Z 3.5x35	231686
0.88-2.25	3.5x45	PH Gr.2	1,000	S-DD 01 Z 3.5x45	231687

**S-DD 01, yellow zinc, with drill point, countersunk head screw**

for fastening drywall panels to metal studs > 0.88 to 2.25 mm thick and overlapping metal framing parts, tapping screw thread, in magazine strips of 50 (lengths from 25 to 45 mm)

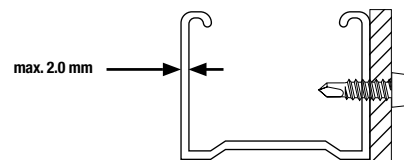
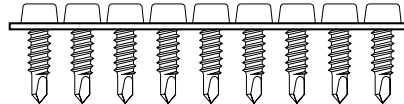


Drilling thk. (DC) (mm)	Dim.(dxL) (mm)	Head type	Package (pcs)	Order designation	Item no
0.88-2.25	3.5x25M	PH Gr.2	1,000	S-DD 01 Y 3.5x25M*	273258
0.88-2.25	3.5x35M	PH Gr.2	1,000	S-DD 01 Y 3.5x35M*	273259
0.88-2.25	3.5x45M	PH Gr.2	1,000	S-DD 01 Y 3.5x45M*	273261

remark: \* = magazine type

**S-DD 02 and S-DD 08 galvanized with drill point, framer screw**

for fastening together metal studs, sheet steel 0.7 mm thick, metal framing parts up to max. 2.0 mm thick, with pan head 7 mm dia., galvanized, with drill point, bulk (length 11 mm and DD 08 in magazine strips of 50 (length 9.5 mm)

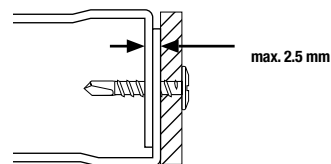


Drilling thk. (DC) (mm)	Dim.(dxL) (mm)	Head type	Package (pcs)	Order designation	Item no
0.7-2.0	3.9x11	PH Gr.2	2,000	S-DD 02 Z 3.9x11	219012
0.7-2.0	3.5x9.5	PH Gr.2	1,000	S-DD 08 Z 3.5x9.5M*	281300 ★

remark: \* = magazine type

**S-DD 03 galvanized with drill point, pan head screw**

for fastening lightweight construction panels, lathing, connecting structures etc. to metal framing up to max. 2.5 mm thick, with wafer head 11 mm dia., galvanized, with drill point, bulk (lengths from 13 to 25 mm)



Drilling thk. (DC) (mm)	Dim.(dxL) (mm)	Head type	Package (pcs)	Order designation	Item no
2.5	4.2x13	PH Gr.2	1,000	S-DD 03 Z 4.2x13	386638
2.5	4.2x25	PH Gr.2	1,000	S-DD 03 Z 4.2x25	386639



## Drywall Screw - Technical Data Sheet

Drywall Screw Fastening

Ver. 2007

	DS01 3.5	DS03	DS14 3.0	DS14 4.0	DD01	DD02	DD03	DD08
Screw version	similar to DIN 18182 part 2, Form TN	similar to DIN 18182 part 2, Form TN	similar to DIN 18182 part 2, Form SN	similar to DIN 18182 part 2, Form SN	similar to DIN 18182 part 2, Form TN	Thread version ISO 1478 / DIN 7970	Thread version ISO 1478 / DIN 7970	Thread version ISO 1478 / DIN 7970
Material	Grade 1022 in accordance to ASTM A510-03							
Surface protection / Corrosion resistance	<p><b>B ... black / grey phosphated as per EN / ISO 3892</b>                      ≥ 48 hours salt spray test (as per DIN 50021) without red rust on head</p> <p><b>Z ... zinc plated as per DIN / ISO 4042 A ... E</b>                      ≥ 48 hours salt spray test (as per DIN 50021) without red rust on head</p> <p><b>Y ... yellow chromated as per DIN / ISO 4042 A ... G</b>                      ≥ 48 hours salt spray test (as per DIN 50021) without red rust on head</p>							
Drive recess	Cross recess, Philips No. 2, Form H, as per ISO 4757 / DIN 7962							
Recess depth	2.0 ... 3.0 mm	2.0 ... 3.0 mm	2.0 ... 2.6 mm	2.0 ... 3.0 mm	2.6 ... 3.2 mm	2.2 ... 2.6 mm	2.1 ... 2.6 mm	1.2 ... 1.7 mm
Screw head shape	Bugle head	Bugle head	Countersunk head	Countersunk head	Bugle head	Pan Framing - head	Water - head	Pan head
Head diameter	7.8 ... 8.4 mm	7.8 ... 8.4 mm	6.8 ... 7.3 mm	8.0 ... 8.4 mm	8.0 ... 8.6 mm	7.5 ... 7.9 mm	10.5 ... 11.5 mm	6.8...7.3 mm
Screw lengths / tolerances	25 ... 55 mm, +/- 1.0 mm	25 ... 55 mm, +/- 1.0 mm	20 mm +/- 0.8 mm	25 ... 45 mm +/- 1.0 mm	25 ... 45 mm +/- 1.5 mm ... 50 mm +/- 2.0 mm	11 mm, +/- 1.0 mm	13 ... 25 mm +/- 1.0 mm	9.0 mm +/- 1.0 mm
Nominal screw diameter	3.5 mm (3.4 ... 3.6 mm)	4.0 mm (3.8 ... 4.3 mm)	3.0 mm (2.8 ... 3.1 mm)	4.0 mm (3.7 ... 4.0 mm)	3.5 mm (3.4 ... 3.7 mm)	3.9 mm (3.7 ... 3.9 mm)	4.2 mm (4.02 ... 4.22 mm)	3.5 mm (3.40 ... 3.70 mm)
Type of thread	Fine double thread single-lead	Coarse thread Single-lead	Fine double thread single-lead	Fine double thread single-lead	Fine double thread	Self-tapping thread	Self-tapping thread	Self-tapping thread
Surface hardness HRC HRD acc. ASTM E 18-67	57.3...61.8 HRC 68.7...72.1 HRD	57.3...61.8 HRC 68.7...72.1 HRD	57.3...61.8 HRC 68.7...72.1 HRD	57.3...61.8 HRC 68.7...72.1 HRD	≥ 57.8 HRC ≥ 69.0 HRD	≥ 57.8 HRC ≥ 69.0 HRD	≥ 57.8 HRC ≥ 69.0 HRD	≥ 57.8 HRC ≥ 69.0 HRD
Core hardness HRC HRD acc. ASTM E 18-67	20...45 HRC 40...59 HRD	20...45 HRC 40...59 HRD	20...45 HRC 40...59 HRD	20...45 HRC 40...59 HRD	20...45 HRC 40...59 HRD	20...45 HRC 40...59 HRD	20...45 HRC 40...59 HRD	20...45 HRC 40...59 HRD
Hardness depth (525 HV 0.3 = 50.8 HRD)	0.1 +/- 0.05	0.1 +/- 0.05	0.1 +/- 0.05	0.1 +/- 0.05	0.05 +/- 0.15	0.05 +/- 0.15	0.05 +/- 0.15	0.05 +/- 0.15
Min. failure (breakage) torque (similar to DIN 18182)	≥ 2.8 Nm	≥ 3.4 Nm	≥ 1.5 Nm	≥ 3.4 Nm	≥ 2.8 Nm	≥ 3.4 Nm	≥ 4.5 Nm	≥ 2.8 Nm
Pull-out load (as per DIN 18182) in sheet steel (Rm >270 N/mm <sup>2</sup> )	≥ 450 N	≥ 450 N	≥ 450 N	≥ 450 N	≥ 450 N	≥ 450 N	≥ 450 N	≥ 450 N
max. drilling performance in St.37 - 2	≤ 0.88 mm	≥ 20 mm in wood	≤ 0.88 mm (St.37-2)	≤ 0.88 mm (St.37-2)	0.75 ... 2.25 mm	0.75 ... 2.70 mm	0.75 ... 2.70 mm	0.75 ... 2.70 mm
Screwing-in time (similar to DIN 18182, n > 2'000 min <sup>-1</sup> )	≤ 1.0 sec. S235 0.8 mm thick	-	≤ 1.0 sec. S235 0.6 mm thick	≤ 1.0 sec. S235 0.8 mm thick	≤ 4.0 sec. S355 2.25 mm thick	≤ 4.0 sec. S355 2.75 mm thick	≤ 4.0 sec. S355 2.75 mm thick	≤ 4.0 sec. S235 2.75 mm thick
Optimum screwdriver	SF 4000-A / SD 5000 / SD 5000+ SMD 57	SF 4000-A / SD 5000 / SD 5000+ SMD 57	SF 4000-A / SD 5000 / SD 5000+ SMD 57	SF 4000-A / SD 5000 / SD 5000+ SMD 57	SF 4000-A / SD 5000 / SD 5000+ SMD 57	SF 4000-A / SD 5000 / SD 5000+ SMD 57	SF 4000-A / SD 5000 / SD 5000+ SMD 57	SF 4000-A / SD 5000 / SD 5000+ SMD 57 / SD 5000+ SMD 57 / SD 2500





Hilti Corporation, FL-9494 Schaan, Principality of Liechtenstein

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Issued:	11.04.07

## **General Specifications for Drywall Screws**

HILTI Drywall Screws are properly manufactured according to the standards of the industry or the specifications set forth below or on each other. The specifications are identifiable in the industry as:

<b>Standard</b>	<b>Products Covered</b>
ASTM C1002-01	All Sharp-Point drywall screws for attaching gypsum board to steel or wood studs as well as to gypsum
ASTM C954-00 and SAE J 78	All Self-Drill drywall screws for attaching gypsum board to steel studs 12-20 ga. in thickness as well as the attachment of drywall framing members
DIN 18182-2	All drywall screws for above mentioned applications

Above referenced industry standards are attached hereto along with any amendments hereto. The added specifications as to drilling, piercing or penetration times are the prime criteria as to the quality of the screws. The drill time requirement shall supersede all other industry standard requirements for drill speed which is as follows:

1. All drywall screws must be so manufactured that the corrosion resistance – tested in accordance to DIN 18182-2 and ISO 9227 Salt Spray Test – exceeds 48 hours
2. Sharp-Point drywall screws – the point and threads plus heat treatment must be so manufactured that the screw will penetrate 20 ga. (.038" thick, AISI type 1010 steel) galvanized or zinc plated, in an average 1.25 seconds with no screw requiring over 1.5 seconds to do so.
3. Self-Drill drywall screws – as per SAE J78 section 4.2 "Drill-Drive Test" wherein maximum drill time allowed for a #6 diameter screw is 2.5 seconds.
4. All drywall screws must be so manufactured that the load value for pull out and pull through – tested in accordance to DIN 18182-2 "Accessories for use with gypsum plasterboard; dry wall screws" – exceeds 450 Newton.

Furthermore, the plating will be either black phosphate to USG standards or zinc plated per each purchase order's instructions.

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21387	12-07	Union Square Phase 7	GAAI BO DECORATION ENG.	OAP / JRP	Drywall screw S-DD01Z 3.5X45	cladding / pre-cast panel fixing
21055	12-07	City of Dreams Resort, Macau	COMPANHIA DE ENGENHARIA LYCON	Mott Connell / JRP / Meinhardt Façade	Drywall screw S-DD01B 3.5X45	fastening of drywall panel
20897	12-07	City of Dreams Resort, Macau	SON VENG DECORACAO	Mott Connell / JRP / Meinhardt Façade	Drywall screw S-DD03Z 4.2X13	fastening of drywall panel
21386	12-07	Union Square Phase 7	GAAI BO DECORATION ENG.	OAP / JRP	Drywall screw S-DD01Z 3.5X25	cladding / pre-cast panel fixing
20461	12-07	One Island East	KEEP BORN CO LTD	Wong & Ouyang / Meinhardt	Drywall screw S-DS01Z 3.5X25	fastening of drywall panel
20410	12-07	Development of Ponte 16, Macau	LEUNG YAU IRON ENG CO	CAA / Maunsell	Drywall screw S-DD03Z 4.2X25	sheet metal deck fixing
18225	11-07	Development of Ponte 16, Macau	LEUNG YAU IRON ENG CO	CAA / Maunsell	Drywall screw S-DD03Z 4.2X25	sheet metal deck fixing
18746	11-07	City of Dreams Resort, Macau	SON VENG DECORACAO	Mott Connell / JRP / Meinhardt Façade	Drywall screw S-DD03Z 4.2X13	fastening of drywall panel
18996	11-07	Development of Ponte 16, Macau	LEUNG YAU IRON ENG CO	CAA / Maunsell	Drywall screw S-DD03Z 4.2X25	sheet metal deck fixing
18745	11-07	City of Dreams Resort, Macau	SON VENG DECORACAO	Mott Connell / JRP / Meinhardt Façade	Drywall screw S-DD01B 3.5X45	fastening of drywall panel
18744	11-07	City of Dreams Resort, Macau	SON VENG DECORACAO	Mott Connell / JRP / Meinhardt Façade	Drywall screw S-DD01B 3.5X25	fastening of drywall panel
18186	10-07	Union Square Phase 7	GAAI BO DECORATION ENG.	OAP / JRP	Drywall screw S-DD01Z 3.5X25	cladding / pre-cast panel fixing
17935	10-07	MGM Grand Macau	CHONG SAN INTERIOR EDSIGN &	Siu Yin Wai / JRP / Hyder	Drywall screw S-DD02Z 3.9X11	fastening of drywall panel
17916	10-07	City of Dreams Resort, Macau	Leighton-China State Joint Venture	Mott Connell / JRP / Meinhardt Façade	Drywall screw S-DS01B 3.5X25M	fastening of drywall panel
17146	10-07	HSBC Data Center	TIN PA BUILDING MATERIALS LTD	Meinhardt	Drywall screw S-DS01Z 3.5X45	suspension ceiling fixing
18187	10-07	Union Square Phase 7	GAAI BO DECORATION ENG.	OAP / JRP	Drywall screw S-DD01Z 3.5X45	cladding / pre-cast panel fixing

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16110	09-07	Galaxy Star World Hotel, Macau	CHEUNG WAH ENGINEERING LTD	Meinhardt	Drywall screw S-DS01B 3.5X55	MVAC fixing
16350	09-07	Galaxy Star World Hotel, Macau	CHEUNG WAH ENGINEERING LTD	Meinhardt	Drywall screw S-DS01B 3.5X55	fastening of drywall panel
16817	09-07	MGM Grand Macau	CHONG SAN INTERIOR EDSIGN &	Siu Yin Wai / JRP / Hyder	Drywall screw S-DD02Z 3.9X11	channel fixing for drywall
16830	09-07	MGM Grand Macau	WAN TIN KIN FAI ENGINEERING CO LTD	Siu Yin Wai / JRP / Hyder	Drywall screw S-DD01B 3.5X35	fastening of drywall panel
16724	09-07	MGM Grand Macau	COMPANHIA DE ENGENHARIA LYCON	Siu Yin Wai / JRP / Hyder	Drywall screw S-DD01Z 3.5X35	fastening of drywall panel
17039	09-07	Union Square Phase 7	GAAI BO DECORATION ENG.	OAP / JRP	Drywall screw S-DD01Z 3.5X45	marble / granite fixing
17038	09-07	Union Square Phase 7	GAAI BO DECORATION ENG.	OAP / JRP	Drywall screw S-DD01Z 3.5X25	marble / granite fixing
14963	08-07	HSBC Data Center	TIN PA BUILDING MATERIALS LTD	Meinhardt	Drywall screw S-DS01Z 3.5X45	sheet metal deck fixing
15751	08-07	MGM Grand Macau	CHONG SAN INTERIOR EDSIGN &	Siu Yin Wai / JRP / Hyder	Drywall screw S-DD02Z 3.9X11	fastening of drywall panel
14380	07-07	MGM Grand Macau	COMPANHIA DE ENGENHARIA LYCON	Siu Yin Wai / JRP / Hyder	Drywall screw S-DD01Z 3.5X35	fastening of drywall panel
14730	07-07	MGM Grand Macau	CHONG SAN INTERIOR EDSIGN &	Siu Yin Wai / JRP / Hyder	Drywall screw S-DD02Z 3.9X11	fastening of drywall panel
13921	07-07	HSBC Data Center	TIN PA BUILDING MATERIALS LTD	Meinhardt	Drywall screw S-DS01Z 3.5X45	fixing on gypsum panel
14404	07-07	The Venetian Casino Resort, Macau	SI DESIGN E ENGENHARIA (MACAU)	OAP / PBA / Hyder / Arup Façade	Drywall screw S-DD01B 3.5X25	fastening of drywall panel
14370	07-07	Las Vegas Sands Casino Extension, Macau	HIP LIK (MACAO) ENGINEERING LIMITED	OAP / PBA / Arup Façade	Drywall screw S-DD01Z 3.5X45	fastening of drywall panel
14371	07-07	Las Vegas Sands Casino Extension, Macau	HIP LIK (MACAO) ENGINEERING LIMITED	OAP / PBA / Arup Façade	Drywall screw S-DS01Z 3.5X25	fastening of drywall panel

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14369	07-07	Las Vegas Sands Casino Extension, Macau	HIP LIK (MACAO) ENGINEERING LIMITED	OAP / PBA / Arup Façade	Drywall screw S-DD01Z 3.5X25	fastening of drywall panel
14381	07-07	MGM Grand Macau	COMPANHIA DE ENGENHARIA LYCON	Siu Yin Wai / JRP / Hyder	Drywall screw S-DS01Z 3.5X35	fastening of drywall panel
14388	07-07	The Venetian Casino Resort, Macau	COMPANHIA DE ENGENHARIA LYCON	OAP / PBA / Hyder / Arup Façade	Drywall screw S-DD01Z 3.5X35	fastening of drywall panel
13134	05-07	SkyPlaza	LYON ENGINEERING COMPANY LIMITED	OAP / Mott Connell	Drywall screw S-DS01Z 3.5X35	fastening of drywall panel
13133	05-07	SkyPlaza	LYON ENGINEERING COMPANY LIMITED	OAP / Mott Connell	Drywall screw S-DS01Z 3.5X25	fastening of drywall panel
12969	05-07	HSBC Data Center	TIN PA BUILDING MATERIALS LTD	Meinhardt	Drywall screw S-DS01Z 3.5X45	fastening of drywall panel
12968	05-07	HSBC Data Center	TIN PA BUILDING MATERIALS LTD	Meinhardt	Drywall screw S-DS01Z 3.5X25	fastening of drywall panel
11567	04-07	HSBC Data Center	TIN PA BUILDING MATERIALS LTD	Meinhardt	Drywall screw S-DS01Z 3.5X25	fastening of drywall panel
11568	04-07	HSBC Data Center	TIN PA BUILDING MATERIALS LTD	Meinhardt	Drywall screw S-DS01Z 3.5X45	fastening of drywall panel
11044	03-07	Science Park Phase 2	FORTUNE WORLD INTERNATIONAL LTD	Meinhardt / Maunsell	Drywall screw S-DS01Z 3.5X35	fastening of drywall panel
10857	03-07	Crown Macau	WING YIP CEILING ENG CO	Maunsell	Drywall screw S-DS01Z 3.5X45	fastening of drywall panel
10797	03-07	Crown Macau	WING YIP CEILING ENG CO	Maunsell	Drywall screw S-DS01Z 3.5X25	fastening of drywall panel
10666	03-07	Crown Macau	WING YIP CEILING ENG CO	Maunsell	Drywall screw S-DS01Z 3.5X45	fastening of drywall panel
10579	03-07	The Venetian Casino Resort, Macau	CASH	OAP / PBA / Hyder / Arup Façade	Drywall screw S-DD01Z 3.5X45	fastening of drywall panel
10513	03-07	The Venetian Casino Resort, Macau	CASH	OAP / PBA / Hyder / Arup Façade	Drywall screw S-DD01Z 3.5X35	fastening of drywall panel

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9757	01-07	The Venetian Casino Resort, Macau	CONSTRUCOES E OBRAS PUBLICAS	OAP / PBA / Hyder / Arup Façade	Drywall screw S-DD01Z 3.5X35	glass fencing / balustrade fixing
9709	01-07	The Venetian Casino Resort, Macau	CONSTRUCOES E OBRAS PUBLICAS	OAP / PBA / Hyder / Arup Façade	Drywall screw S-DD01B 3.5X25	glass fencing / balustrade fixing

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39304	10-09	Wynn Macau Casino	ON TOP CONSTRUCTION CO		Drywall screw S-DD03Z 4,2X13	fastening of drywall panel
39062	09-09	MGM Grand Macau	SAM POU ENG CO LTD		Drywall screw S-DS01Z 3,5X25	fastening of drywall panel
38873	09-09	City of Dreams Resort	TIN LOONG (MACAU) ENGINEERING		Drywall screw S-DD01Z 3,5X25	fastening of drywall panel
38574	08-09	Four Seasons Hotel, Macau (Parcel 2)	TIN LOONG (MACAU) ENGINEERING		Drywall screw S-DS01Z 3,5X45	fastening of drywall panel
38573	08-09	Four Seasons Hotel, Macau (Parcel 2)	TIN LOONG (MACAU) ENGINEERING		Drywall screw S-DD01Z 3,5X25	fastening of drywall panel
38572	08-09	City of Dreams Resort	TIN LOONG (MACAU) ENGINEERING		Drywall screw S-DS01Z 3,5X25	fastening of drywall panel
38528	07-09	The Venetian Casino Resort (Parcel 1)	LEUNG'S CEILING WORK'S LTD		Drywall screw S-DD01Z 3,5X45	fastening of drywall panel
38521	07-09	Galaxy Mega Resort	EASTBOUND CEILING AND RAISE		Drywall screw S-DD01Z 3,5X45	fastening of drywall panel
38520	07-09	Galaxy Mega Resort	EASTBOUND CEILING AND RAISE		Drywall screw S-DD01Z 3,5X25	fastening of drywall panel
38508	07-09	One Grantai	SON SENG CONSTRUCTION CO		Drywall screw S-DD03Z 4,2X13	sheet metal deck fixing
38261	07-09	The Venetian Casino Resort (Parcel 1)	TIN LOONG (MACAU) ENGINEERING		Drywall screw S-DD01Z 3,5X45	fastening of drywall panel