

HILTI

**Screw fastening
systems**
for metal roofing and cladding



**Your partner for fastening
systems in roofing and cladding.**

Hilti. Outperform. Outlast.

Screw fastening systems

for metal roofing and cladding

HILTI



Working with the Building Envelope Industry

At Hilti, we are committed to being a partner for the Building Envelope industry. We work closely with all sections of the trade to understand your needs and offer tailor-made solutions that help increase your performance.

Understanding your business

Hilti understand that the building envelope industry is changing fast and that contractors are coming under more pressure to bring in projects on time and in budget. All players need to address the issues that face the industry, like new legislation, skills shortages, and building a sustainable future.

Hilti's role is not only to supply you products, but to support you with innovative solutions that increase your productivity and profitability, reduce risk and help you build your reputation as a contractor of choice.

Experts in Fastening Technology

Hilti is one of the world's leading companies specialising in fastening systems, power tools and chemicals for the construction industry.

As an expert in fastening technology, our range of products for fixing metal roofing, cladding and decking includes screw fastening systems and mechanical and chemical anchors as well as the DX shot-fired fastening system which can dramatically speed up the installation of metal roof and floor decking. All supported by our team of Account Managers and Project Engineers.

We work with the industry to develop innovative products and systems that add value for contractors, designers and clients. Hilti solutions help the industry increase productivity, reduce overall costs and meet health and safety obligations.

Field Based Engineering

We have a nationwide team of experienced and qualified engineers providing comprehensive technical and engineering advice and design support. This field based service is provided across the country and ensures continuity of support from the design office through to all phases of the on-site construction. They are also involved with the running of technical seminars, on-site testing and installation guidance.

Support Engineering

Our central engineering office is manned by experienced and high trained engineers who provide advice and calculation assistance. They also provide application specific designs and detailed CAD drawings, plus a comprehensive online technical library.

Contents:

General

Introduction	1
Complete product range for roofing and cladding	3
S-MS/SDT 30 high-speed screw fastening system	5

Carbon steel screws

Stitching screws	7
Main fix screws	9
Composite panel screws	11
Self tapping screws	12
Wingtip screws	13

Stainless steel screws

Stitching screws	14
Main fix screws	15
Composite panel screws	16
Screw fastening tools and accessories	17



Contacts Details:

Customer Services Great Britain

Tel: 0800 886 100
Fax: 0800 886 200
E mail: gbsales@hilti.com

Customer Repair Services Great Britain

Tel: 0800 083 0855
E mail: gbsales@hilti.com

Hilti Online Great Britain

www.hilti.co.uk

Customer Services Ireland

Tel: 1850 287 387
Fax: 1800 654 600
E mail: iesales@hilti.com

Hilti Online Ireland

www.hilti.ie



Complete range for roofing and cladding

Construction Screws

- Full range of screws for roofing and cladding
- Innovative screw fastening solutions to increase productivity through quicker drilling and improved fastening quality

ST1800 Power Screwdriver for Roofing and Cladding Applications

- Without sealing washer: Control with the torque clutch prevents screws from being overtightened or heads from snapping off
- With sealing washer: No water infiltration, since the depth gauge presses the seal properly against the sheet metal
- No burning of the screw drill point thanks to optimized r.p.m. for a drilling capacity up to 15 mm

S-MS/SDT30 High speed screw fastening systems

- Collated screws for maximum speed and efficiency
- Achieves highest load values in class
- No metal swarf created reduces staining

Shot Fired Fastening Solutions

- Extremely rapid fastening: 10 fixings installed in 30 seconds
- Approved method of fastening profile metal sheets to steel substructures
- Approval covers the coordinated system of components consisting of the cartridge, X-ENP nail and the DX76 powder actuated fastening tool

Power Tools

- Full range of corded and cordless power tools including drills, reciprocating saws, angle grinders
- Supported by Hilti Lifetime service
- Available through Fleet Management contract

Anchoring systems

- A wide range of high quality chemical and mechanical anchoring systems
- Full technical support from design office to site through a team of project engineers and a technical advisory service

HILTI

FLEET MANAGEMENT

Hilti Fleet Management. Revolutionary tool management programme.

Let Hilti manage your tools so that you can manage your business. Hilti Fleet Management is designed to free companies from costly administrative work, like co-ordinating tool repairs, and to decrease overall tool costs. With Fleet Management, one low monthly usage fee covers all tool related costs, including tool usage, repairs, servicing, calibrations, unlimited battery exchanges, personalised labelling, online tracking and Theft Coverage – for up to 5 years! Find out how Hilti Fleet Management can benefit you by contacting us today.

HILTI	up to 2 Years
LIFETIME SERVICE	NO COSTS
Lifetime	Lifetime
REPAIR COST LIMIT	MANUFACTURERS WARRANTY

Hilti Lifetime Service. After Sales Service at its best.

Hilti provides outstanding service for the entire life of the product – completely free of charge for the first two years from date of purchase – covering repair or replacement of defective parts (even parts subject to wear and tear!) and including free pick-up and return transport. Hilti has now achieved yet another first in the industry; extending Hilti Lifetime Service to include not only the tools, but the batteries and chargers of the Hilti CPC system as well. After that, Hilti continues to prove the quality of its products by setting a repair cost limit – for the entire life of the product.



Applications

- Fastening trapezoidal metal sheet overlap joints
- Fastening thin-gauge metal sheets with a total thickness of $\leq 2,5$ mm (up to max. 1.25 mm per sheet)

Advantages

- Collated screws for maximum speed and efficiency
- Achieves the highest load values in this screw fastening system class
- Outstanding ergonomic design: the SDT 30 stand-up tool allows the operator to maintain an upright working stance and is thus less tiring to use, even over long periods
- Perfectly matched to the Hilti ST 1800 metal construction screwdriver

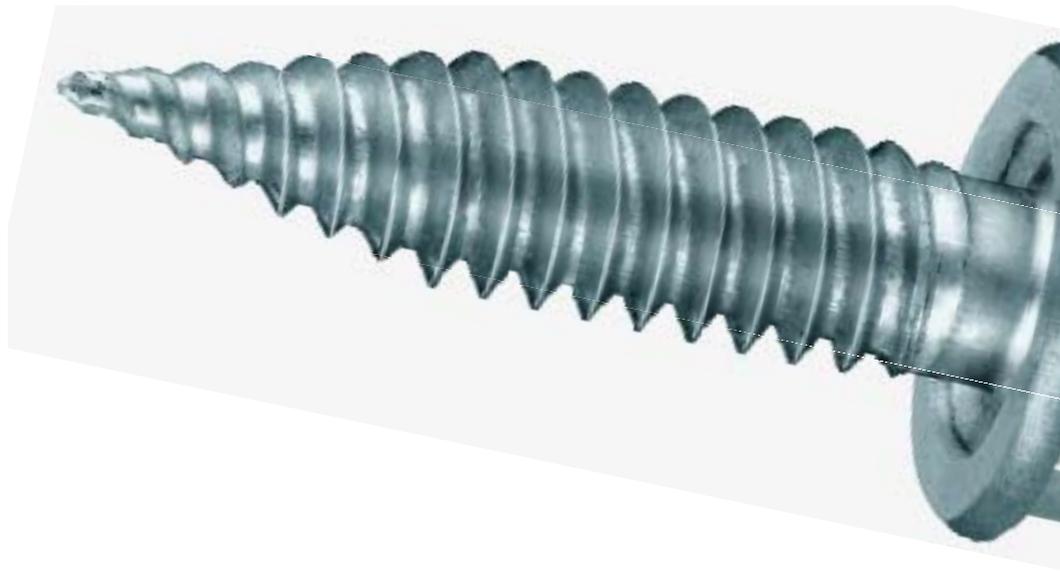
Highlights

Productivity plus:

A perfect match between the screw, stand-up tool and screwdriver results in a time saving of up to 60%.

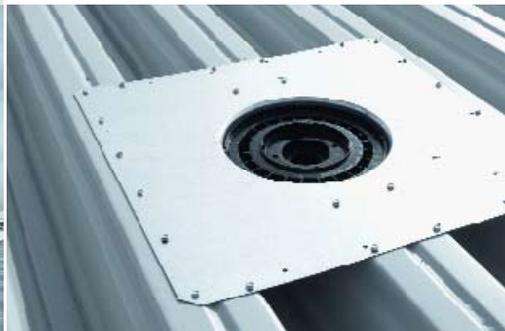
Move into the fast lane. Where high-speed driving pays.

The Hilti S-MS is no ordinary screw, because it penetrates the supporting steel and displaces the metal around it without creating cuttings – all at very high speed. Comprising the S-MS screw, SDT 30 stand-up tool and ST 1800 metal construction screwdriver, this system can increase your productivity by up to 60 percent.

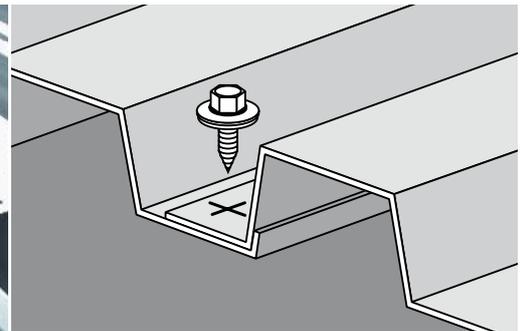


Faster progress:

Work quickly and comfortably with the SDT 30 stand-up tool.



High holding power on steel thanks to material displacement – no cuttings are created.



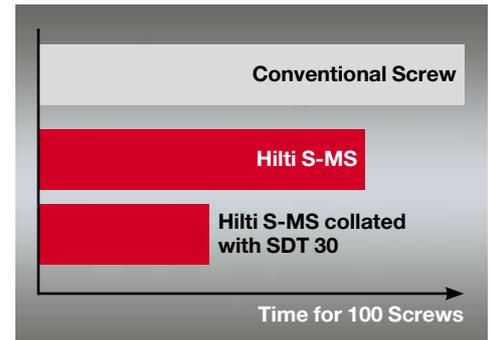
Securely fastens two sheets each with a thickness of up to 1.25 mm.

S-MS / SDT 30

high-speed screw fastening system

Quicker

As a system, the Hilti S-MS screw, SDT 30 stand-up tool and ST 1800 metal construction screwdriver achieve a considerable time-saving.



Cleaner

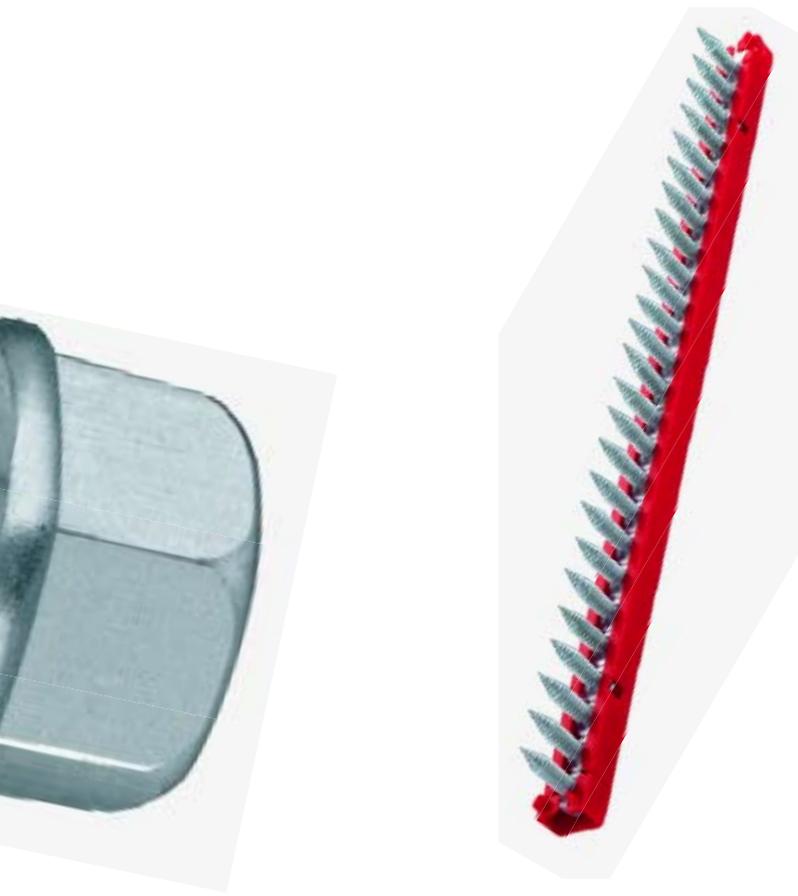
The supporting metal is displaced without cuttings being formed, so there's no unsightly staining caused by the corrosion of metal cuttings. No cleaning is required.

More secure

As metal is simply displaced as the screw is driven, the screw obtains a more secure hold and can thus take up a higher load than conventional types.

More reliable

The special screw point geometry prevents slipping, even on wet surfaces and when driven at an angle.



HILTI

1 Year

LIFETIME SERVICE

NO COSTS

Lifetime

Lifetime

REPAIR COST LIMIT

MANUFACTURERS WARRANTY

Anything but business as usual: First-class service for all Hilti tools – for the tool's entire lifetime!

Performance data

The ideal match: ST 1800 metal construction screwdriver

Rated power:	600 W
Stepless speed control:	0 – 1900 U/min.
Torque:	2-22 Nm, in 18 settings
Weight of tool (as per EPTA):	1.9 kg

SDT 30 stand-up tool for use with collated screws

- Rotatable tip for maximum convenience and reliable fastening even in deep, narrow profiles
- Ergonomically-designed grips for maximum comfort during long periods of use
- Trouble-free screw transport mechanism

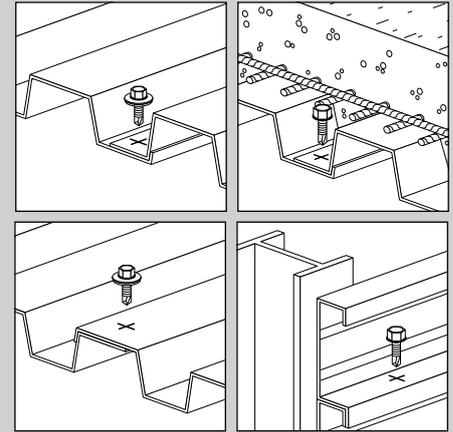
See pages 17-18 for more information on the ST 1800 and SDT 30, and page 7 for S-MS Screws. Right of technical changes reserved.

S-MS Carbon Steel Stitching Screws

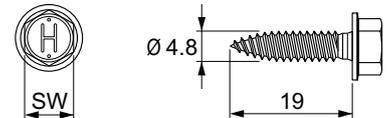
Hilti's carbon steel S-MS stitching screws are designed for stitching thin metal sheet to thin metal sheet. Typical applications include fastening overlap joints in decking sheets and fastening the web joints of structural liner trays.

These screws are zinc plated and case hardened. These screws have a special drill point geometry which displaces rather than cuts the metal sheet resulting in no metal cuttings, and leading to increased speed and loads. The screws are available both as single screws and in strips of 25 screws for use with the SDT30 stand-up tool.

Examples of applications:

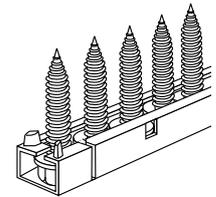


S-MS01Z Carbon Steel Hex Head Stitching Screws - no washer



Item Number	Ordering Designation	Dimensions (DxL) mm	Sealing washer dia. mm	Drilling Thickness mm	Fastening Thickness mm	Package Contents
385448	S-MD01Z 4.8x20	4.8x20	-	2.5 (2x1.25)	2.5	1000

S-MD01Z Collated Carbon Steel Hex Head Stitching Screws - no washer



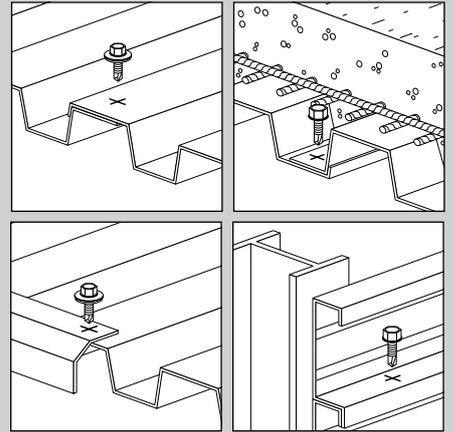
Item Number	Ordering Designation	Dimensions (DxL) mm	Sealing washer dia. mm	Drilling Thickness mm	Fastening Thickness mm	Package Contents
285450	S-MD01Z 4.8x20 M In magazine strips of 25	4.8x20	-	2.5 (2x1.25)	2.5	2500

Standard S-MD Carbon Steel Stitching Screws

Hilti's carbon steel stitching screws are designed for stitching thin metal sheet to thin metal sheet. Typical applications include fastening overlap joints in roofing or decking sheets, fastening the web joints of structural liner trays or fixing flashings and fabrications.

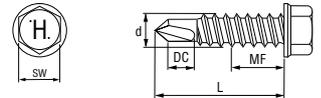
These screws are zinc plated, case hardened and have a reduced diameter drill point ideal for thin metal sheet. The hexagon head version is available with or without a washer. The bi-hex head version is available with either a 16mm or 29mm washer and in range of standard colours.

Examples of applications:



S-MD01Z

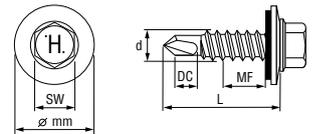
Carbon Steel Hex Head Stitching Screws - no washer



Item Number	Ordering Designation	Dimensions (DxL) mm	Sealing washer dia. mm	Drilling Thickness mm	Fastening Thickness mm	Package Contents
219557	S-MD01Z 4.8x19	4.8x19	-	1.2 - 2.75	8.5	500
219558	S-MD01Z 5.5x19	5.5x19	-	1.2 - 3.00	7.5	500
219559	S-MD01Z 6.3x19	6.3x19	-	1.2 - 3.00	7	500

S-MD51Z

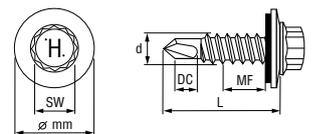
Carbon Steel Hex Head Stitching Screws - 16mm washer



Item Number	Ordering Designation	Dimensions (DxL) mm	Sealing washer dia. mm	Drilling Thickness mm	Fastening Thickness mm	Package Contents
219032	S-MD51Z 4.8x19	4.8x19	16	1.2 - 2.75	5.5	500
219033	S-MD51Z 5.5x19	5.5x19	16	1.2 - 3.00	4.5	500
219034	S-MD51Z 6.3x19	6.3x19	16	1.2 - 3.00	4	500

S-MD41ZP

Carbon Steel Bi-Hex Head Stitching Screws - 16mm washer



Item Number	Ordering Designation	Dimensions (DxL) mm	Sealing washer dia. mm	Drilling Thickness mm	Fastening Thickness mm	Package Contents
**	S-MD41ZP 6.3x25 [colour]	6.3x25	16	1.2 - 3.00	5	500

** Item number depends on colour - contact Hilti Customer Services for details.

For 29mm sealing washer order S-MD81ZP.

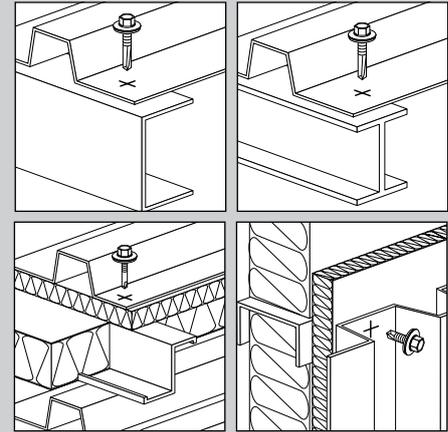
Please specify the RAL/BS Code when placing an order for colour headed fasteners.

Carbon Steel Main Fix Screws

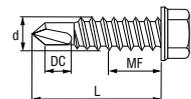
Hilti's carbon steel main fix screws are designed for fastening metal sheet to light or heavy heavy section steel framing, with or without intermediate insulation layers. Typical applications include fastening roofing or cladding sheets to steel purlins, spacer systems or steel beams.

Three main types of screw are available, with a drilling capacity up to 3mm, 6mm and 15mm respectively. All the screws are zinc plated and case hardened. The hexagon head versions are available with or without a washer. The bi-hex head versions are available with either a 16mm, 19mm or 29mm washer and in range of standard colours.

Examples of applications:

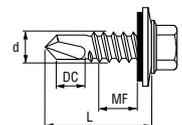


S-MD01Z / S-MD03Z / S-MD04Z / S-MD05Z Carbon Steel Hex Head Main Fix Screws - no washer



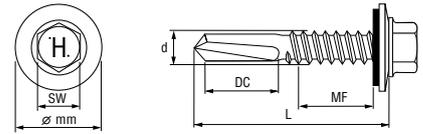
Item Number	Ordering Designation	Dimensions (DxL) mm	Sealing washer dia. mm	Drilling Thickness mm	Fastening Thickness mm	Package Contents
S-MD01Z						
219558	S-MD01Z 5.5x19	5.5x19	-	1.2 - 3.0	7.5	500
S-MD03Z						
219016	S-MD03Z 4.8x19	4.8x19	-	2.1 - 4.5	10	500
219018	S-MD03Z 5.5x19	5.5x19	-	2.6 - 5.5	6	500
219019	S-MD03Z 5.5x25	5.5x25	-	2.6 - 5.5	12	500
219020	S-MD03Z 5.5x32	5.5x32	-	2.6 - 5.5	19	500
219021	S-MD03Z 5.5x38	5.5x38	-	2.6 - 5.5	25	500
219024	S-MD03Z 6.3x32	6.3x32	-	2.6 - 6.0	19	500
S-MD04Z						
266061	S-MD04Z 5.5x32	5.5x32	-	4.5 - 10	16	250
S-MD05Z						
290671	S-MD05Z 5.5x40	5.5x40	-	4.5 - 15	18	250
290672	S-MD05Z 5.5x52	5.5x52	-	4.5 - 15	30	250
290673	S-MD05Z 5.5x65	5.5x65	-	4.5 - 15	43	250
290678	S-MD05Z 5.5x102	5.5x102	-	4.5 - 15	80	250

S-MD53Z Carbon Steel Hex Head Main Fix Screws - 16mm washer



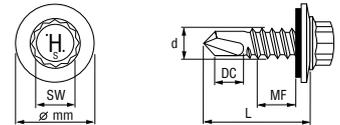
Item Number	Ordering Designation	Dimensions (DxL) mm	Sealing washer dia. mm	Drilling Thickness mm	Fastening Thickness mm	Package contents
S-MD03Z						
219035	S-MD53Z 4.8x19	4.8x19	16	2.1 - 4.5	5	500
219036	S-MD53Z 5.5x19	5.5x19	16	2.6 - 5.5	4	500
219037	S-MD53Z 5.5x25	5.5x25	16	2.6 - 5.5	10	500
219038	S-MD53Z 5.5x32	5.5x32	16	2.6 - 5.5	17	500
219039	S-MD53Z 5.5x38	5.5x38	16	2.6 - 5.5	23	250
235105	S-MD53Z 5.5x50	5.5x50	16	2.6 - 5.5	35	250
219042	S-MD53Z 6.3x32	6.3x32	16	2.6 - 6.0	17	500

S-MD55Z
Carbon Steel Hex Head Main Fix Screws - 16mm washer



Item Number	Ordering Designation	Dimensions (DxL) mm	Sealing washer dia. mm	Drilling Thickness mm	Fastening Thickness mm	Package Contents
S-MD55Z						
290626	S-MD55Z 5.5x40	5.5x40	16	4.5 - 15	15	250
290627	S-MD55Z 5.5x55	5.5x52	16	4.5 - 15	27	250
290648	S-MD55Z 5.5x65	5.5x65	16	4.5 - 15	40	100
261166	S-MD55Z 5.5x102	5.5x102	16	4.5 - 15	77	100

S-MD51ZP / S-MD53ZP / S-MD55ZP
Carbon Steel Bi-Hex Head Main Fix Screws - 16mm washer



Item Number	Ordering Designation	Dimensions (DxL) mm	Sealing washer dia. mm	Drilling Thickness mm	Fastening Thickness mm	Package Contents
S-MD51ZP						
**	S-MD51ZP 5.5x25 [colour]	5.5x25	16	1.2 - 3.0	10	500
**	S-MD51ZP 5.5x32 [colour]	5.5x32	16	1.2 - 3.0	17	250
S-MD53ZP						
**	S-MD53ZP 5.5x25 [colour]	5.5x25	16	2.6 - 5.5	10	500
**	S-MD53ZP 5.5x32 [colour]	5.5x32	16	2.6 - 5.5	17	250
**	S-MD53ZP 5.5x50 [colour]	5.5x50	16	2.6 - 5.5	35	250
S-MD55ZP						
**	S-MD55ZP 5.5x40 [colour]	5.5x40	16	4.5 - 15	15	250

** Item number depends on colour - contact Hilti Customer Services for details.

For 19mm sealing washer order S-MD63ZP or S-MD65ZP
 For 29mm sealing washer order S-MD83ZP or S-MD85ZP

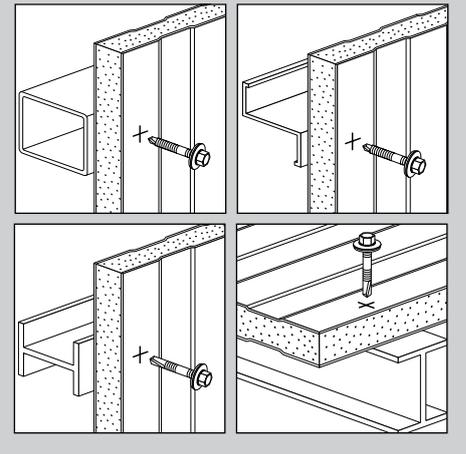
Please specify the RAL/BS Code when placing an order for colour headed fasteners.

Carbon Steel Composite Panel Screws

Hilti's carbon steel composite panels screws are specially designed for fastening composite or sandwich panels to light or heavy heavy section steel framing. They feature a threadless shank to avoid stress in the panel and a larger thread at the head to ensure good sealing washer contact with the surface of the panel.

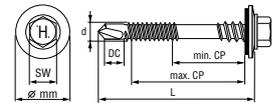
Two main types of screw are available - one for light section steel with a drilling capacity up to 5.5mm and a second for heavy section steel with a drilling capacity up to 15mm. All the screws are coated to increase corrosion resistance and case hardened. The bi-hex head versions are available with either a 16mm, 19mm or 29mm washer and in range of standard colours.

Examples of applications:



S-CD63C/S-CD65C

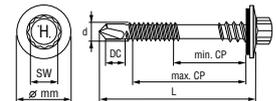
Carbon Steel Hex Head Composite Screws - 19mm washer



Item Number	Ordering Designation	Dimensions (DxL) mm	Sealing washer dia. mm	Drilling Thickness mm	Panel Thickness mm	Package Contents
S-CD63C						
206965	S-CD63C 5.5x75	5.5x75	19	2.0 - 5.5	22 - 47	100
206967	S-CD63C 5.5x95	5.5x95	19	2.0 - 5.5	42 - 67	100
206968	S-CD63C 5.5x115	5.5x115	19	2.0 - 5.5	62 - 87	100
206969	S-CD63C 5.5x135	5.5x135	19	2.0 - 5.5	82 - 107	100
206970	S-CD63C 5.5x155	5.5x155	19	2.0 - 5.5	102 - 127	100
206971	S-CD63C 5.5x175	5.5x175	19	2.0 - 5.5	122 - 147	100
S-CD65C						
290386	S-CD65C 5.5x110	5.5x110	19	4.5 - 15	37 - 63	100
290387	S-CD65C 5.5x130	5.5x130	19	4.5 - 15	57 - 83	100
290388	S-CD65C 5.5x150	5.5x150	19	4.5 - 15	77 - 103	100
290389	S-CD65C 5.5x170	5.5x170	19	4.5 - 15	97 - 123	100
290390	S-CD65C 5.5x190	5.5x190	19	4.5 - 15	117 - 143	100

S-CD53CP/S-CD55CP

Carbon Steel Bi-Hex Head Composite Screws - 16mm washer



Item Number	Ordering Designation	Dimensions (DxL) mm	Sealing washer dia. mm	Drilling Thickness mm	Panel Thickness mm	Package Contents
S-CD53CP						
**	S-CD53CP 5.5x95 [colour]	5.5x95	16	2.0 - 5.5	42 - 67	100
**	S-CD53CP 5.5x115 [colour]	5.5x115	16	2.0 - 5.5	62 - 87	100
**	S-CD53CP 5.5x135 [colour]	5.5x135	16	2.0 - 5.5	82 - 107	100
S-CD55CP						
**	S-CD55CP 5.5x110 [colour]	5.5x110	16	4.5 - 15	37 - 63	100
**	S-CD55CP 5.5x130 [colour]	5.5x130	16	4.5 - 15	57 - 83	100
**	S-CD55CP 5.5x150 [colour]	5.5x150	16	4.5 - 15	77 - 103	100

** Item number depends on colour - contact Hilti Customer Services for details.

For 19mm sealing washer order S-CD63CP or S-CD65CP

For 29mm sealing washer order S-CD83CP or S-CD85CP

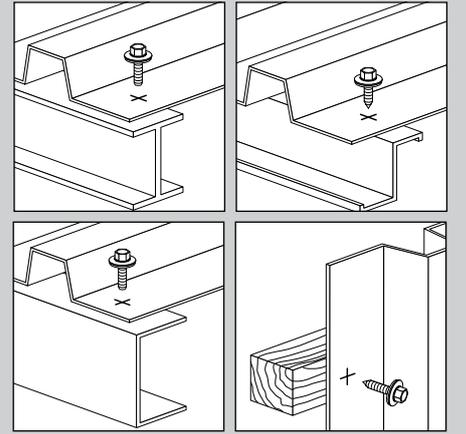
Please specify the RAL/BS Code when placing an order for colour headed fasteners.

Carbon Steel Self-Tapping Screws

Hilti's carbon steel stitching screws are designed for fastening thin metal sheets to either metal or timber framing which has been pre-drilled.

Two different types of screw are available - one for metal framing below 3mm thick or timber framing, and a second for thicker metal framing. These screws are zinc plated and case hardened.

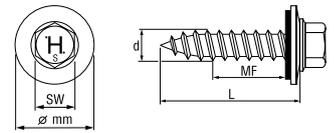
Examples of applications:



S-MP53Z

Carbon Steel Hex Head Self-Tapping Screws - 16mm washer

For fastening steel sheet to steel members (max 3mm) or timber framing (min depth of engagement 30mm)



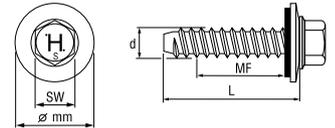
Item Number	Ordering Designation	Dimensions (DxL) mm	Sealing washer dia. mm	Fastening Thickness mm	Package Contents
375288	S-MP53Z 6.5x19	6.5x19	16	8	500
375289	S-MP53Z 6.5x25	6.5x25	16	14	500
375290	S-MP53Z 6.5x32	6.5x32	16	21	250
375291	S-MP53Z 6.5x38	6.5x38	16	27	250
375292	S-MP53Z 6.5x50	6.5x50	16	39	250
375293	S-MP53Z 6.5x63	6.5x63	16	52	100
375287	S-MP53Z 6.5x100	6.5x100	16	89	100

For stainless steel screws order S-MP53S

S-MP52Z

Carbon Steel Hex Head Self-Tapping Screws - 16mm washer

For fastening steel sheet to steel members (min depth of engagement 1.25mm)



Item Number	Ordering Designation (DxL) mm	Dimensions dia. mm	Sealing washer mm	Fastening Thickness Contents	Package Contents
375279	S-MP52Z 6.3x19	6.3x19	16	10	500
375280	S-MP52Z 6.3x25	6.3x25	16	16	500
375281	S-MP52Z 6.3x32	6.3x32	16	23	250
375282	S-MP52Z 6.3x38	6.3x38	16	29	250
375283	S-MP52Z 6.3x50	6.3x50	16	41	250
375284	S-MP52Z 6.3x63	6.3x63	16	54	100
375285	S-MP52Z 6.3x75	6.3x75	16	66	100
375286	S-MP52Z 6.3x88	6.3x88	16	79	100
375278	S-MP52Z 6.3x100	6.3x100	16	91	100

For stainless steel screws order S-MP52S

Carbon Steel Wing Tip Screws

Hilti's carbon steel wingtip screws are designed for fastening timber to light or heavy heavy section steel framing. The wings of the screw bore a clearance hole through the timber and then break off when they come into contact with the steel base material, leaving the a standard drill point to penetrate the base material and ensure a good fix.

Two main types of screw are available - one for light section steel with a drilling capacity up to 3.0mm and a second for heavy section steel with a drilling capacity up to 10mm.

S-WD12Z/S-WD15Z Carbon Steel Wing Tip Screws



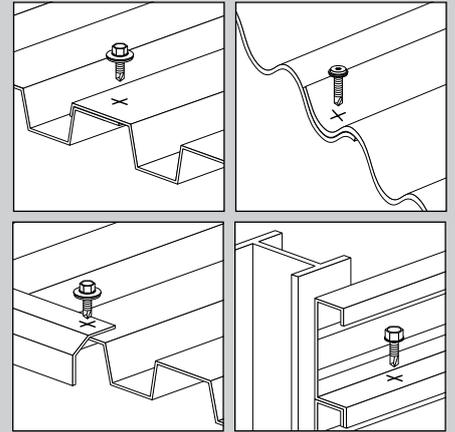
Item Number	Ordering Designation	Dimensions (DxL) mm	Drilling Thickness mm	Fastening Thickness mm	Drive Bit	Package Contents
S-WD12Z						
3072889	S-WD12Z 4.2x25	4.2x25	1.5-3.0	12	P2	100
3072890	S-WD12Z 4.8x38	4.8x38	1.5-3.0	22	P2	100
3072891	S-WD12Z 5.5x50	5.5x50	1.5-3.0	34	P3	100
3072892	S-WD12Z 5.5x65	5.5x65	1.5-3.0	47	P3	100
3072893	S-WD12Z 5.5x85	5.5x85	1.5-3.0	67	P3	100
3072894	S-WD12Z 5.5x100	5.5x100	1.5-3.0	82	P3	100
S-WD15Z						
3072895	S-WD15Z 5.5x65	5.5x65	4-10	35	P3	100
3072896	S-WD15Z 5.5x85	5.5x85	4-10	55	P3	100
3072897	S-WD15Z 5.5x119	5.5x119	4-10	89	P3	100

Stainless Steel Stitching Screws

Hilti's stainless steel stitching screws are designed for stitching thin metal sheet to thin metal sheet for corrosion resistant applications. Typical applications include fastening overlap joints in roofing or decking sheets, fastening the web joints of structural liner trays or fixing flashings and fabrications.

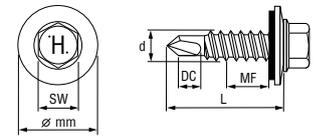
The main body of the screw is made from A2 (304 series) stainless steel with a hardened, reduced diameter, carbon steel drill point for higher pull-out loads. The screws are available with a standard hex-head, and coloured bi-hex or low profile heads.

Examples of applications:



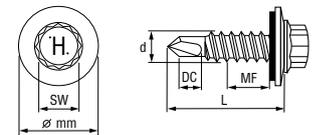
S-MD51S Stainless Steel Hex Head Stitching Screws - 16mm washer

Item Number	Ordering Designation	Dimensions (DxL) mm	Sealing washer dia. mm	Drilling Thickness mm	Fastening Thickness mm	Package Contents
375228	S-MD51S 4.8x22	4.8x22	16	1.25 - 2.00	6	500
378257	S-MD51S 5.5x25	5.5x25	16	1.25 - 2.00	8	500



S-MD51SP Stainless Steel Bi-Hex Head Stitching Screws - 16mm washer

Item Number	Ordering Designation	Dimensions (DxL) mm	Sealing washer dia. mm	Drilling Thickness mm	Fastening Thickness mm	Package Contents
**	S-MD51SP 5.5x25 [colour]	5.5x25	16	1.25 - 2.00	8	500

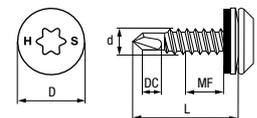


** Item number depends on colour - contact Hilti Customer Services for details.

For 29mm sealing washer order S-MD81SP

S-MD31PS Stainless Steel Low-Profile Head Stitching Screws - 12mm washer

Item Number	Ordering Designation	Dimensions (DxL) mm	Sealing washer dia. mm	Drilling Thickness mm	Fastening Thickness mm	Package Contents
**	S-MD31PS 4.8x19 [colour]	4.8x19	12	1.0 - 2.75	5	500
**	S-MD31PS 5.5x22 [colour]	5.5x22	12	1.0 - 3.0	7	500



** Item number depends on colour - contact Hilti Customer Services for details.

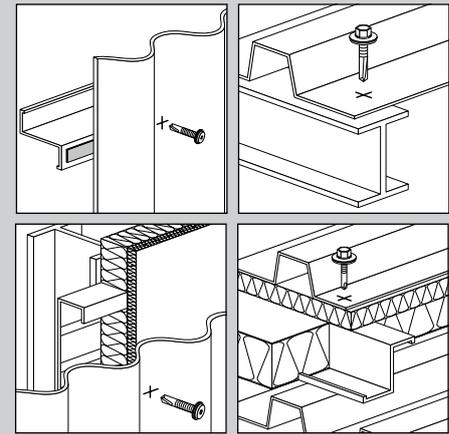
Please specify the RAL/BS Code when placing an order for colour headed fasteners.

Stainless Steel Main Fix Screws

Hilti's stainless steel main fix screws are designed for fastening metal sheet to light or heavy heavy section steel framing in corrosion resistant applications, with or without intermediate insulation layers. Typical applications include fastening roofing or cladding sheets to steel purlins, spacer systems or steel beams.

Two main types of screw are available - one for light section steel with a drilling capacity up to 5.5mm and a second for heavy section steel with a drilling capacity up to 15mm. The main body of the screws is made from A2 (304 series) stainless steel with a hardened, carbon steel drill point. The screws are available with a standard hex-head, and coloured bi-hex or low profile heads and with a choice of washer diameters.

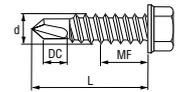
Examples of applications:



S-MD53S/S-MD55S

Stainless Steel Hex Head Main Fix Screws - 16mm washer

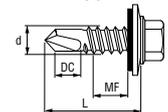
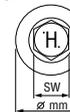
Item Number	Ordering Designation	Dimensions (DxL) mm	Sealing washer dia. mm	Drilling Thickness mm	Fastening Thickness mm	Package Contents
S-MD53S						
375233	S-MD53S 5.5x25	5.5x25	16	2.1 - 5.5	8	500
375234	S-MD53S 5.5x32	5.5x32	16	2.1 - 5.5	15	250
375235	S-MD53S 5.5x38	5.5x38	16	2.1 - 5.5	21	250
375236	S-MD53S 5.5x50	5.5x50	16	2.1 - 5.5	33	250
375237	S-MD53S 5.5x63	5.5x63	16	2.1 - 5.5	46	100
S-MD55S						
375239	S-MD55S 5.5x45	5.5x45	16	4.2 - 12	12	250
375240	S-MD55S 5.5x50	5.5x50	16	4.2 - 12	17	250
375241	S-MD55S 5.5x63	5.5x63	16	4.2 - 12	30	100
375242	S-MD55S 5.5x80	5.5x80	16	4.2 - 12	47	100
375243	S-MD55S 5.5x100	5.5x100	16	4.2 - 12	67	100



S-MD53SP/S-MD55SP

Stainless Steel Bi-Hex Head Main Fix Screws - 16mm washer

Item Number	Ordering Designation	Dimensions (DxL) mm	Sealing washer dia. mm	Drilling Thickness mm	Fastening Thickness mm	Package Contents
S-MD53SP						
**	S-MD53SP 5.5x25 [colour]	5.5x25	16	2.1 - 5.5	8	500
**	S-MD53SP 5.5x32 [colour]	5.5x32	16	2.1 - 5.5	15	250
**	S-MD53SP 5.5x50 [colour]	5.5x50	16	2.1 - 5.5	33	250
S-MD55SP						
**	S-MD55SP 5.5x40 [colour]	5.5x45	16	4.6 - 12	12	250

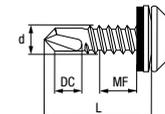


For 19mm sealing washer order S-MD63SP or S-MD65SP. For 29mm sealing washer order S-MD83SP or S-MD85SP.

S-MD33PS/S-MD35PS

Stainless Steel Low-Profile Head Main Fix Screws - 12mm washer

Item Number	Ordering Designation	Dimensions (DxL) mm	Sealing washer dia. mm	Drilling Thickness mm	Fastening Thickness mm	Package Contents
S-MD33PS						
**	S-MD33PS 5.5x28 [colour]	5.5x28	12	2.1 - 5.5	11	500
**	S-MD33PS 5.5x50 [colour]	5.5x50	12	2.1 - 5.5	33	250
S-MD35PS						
**	S-MD35PS 5.5x45 [colour]	5.5x45	12	4.6 - 12	12	250



** Item number depends on colour - contact Hilti Customer Services for details.

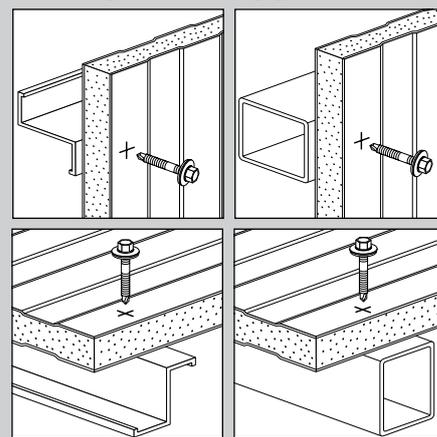
Please specify the RAL/BS Code when placing an order for colour headed fasteners.

Stainless Steel Composite Panel Screws

Hilti's stainless steel composite panels screws are specially designed for fastening composite or sandwich panels to light or heavy heavy section steel framing in corrosion resistant applications. They feature a threadless shank to avoid stress in the panel and a larger thread at the head to ensure good sealing washer contact with the surface of the panel.

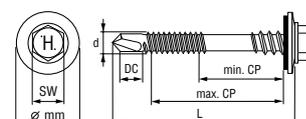
Two main types of screw are available - one for light section steel with a drilling capacity up to 5.5mm and a second for heavy section steel with a drilling capacity up to 15mm. The main body of the screws is made from A2 (304 series) stainless steel with a hardened, carbon steel drill point. The bi-hex head versions are available with either a 16mm, 19mm or 29mm washer and in range of standard colours.

Examples of applications:



S-CD63S/S-CD65S

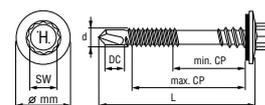
Stainless Steel Hex Head Composite Screws - 19mm washer



Item Number	Ordering Designation	Dimensions (DxL) mm	Sealing washer dia. mm	Drilling Thickness mm	Panel Thickness mm	Package Contents
S-CD63S						
375244	S-CD63S 5.5x75	5.5x75	19	2.0 - 5.5	22 - 47	100
375246	S-CD63S 5.5x95	5.5x95	19	2.0 - 5.5	42 - 67	100
375247	S-CD63S 5.5x115	5.5x115	19	2.0 - 5.5	62 - 87	100
375248	S-CD63S 5.5x135	5.5x135	19	2.0 - 5.5	82 - 107	100
375249	S-CD63S 5.5x153	5.5x153	19	2.0 - 5.5	102 - 127	100
284542	S-CD63S 5.5x175	5.5x175	19	2.0 - 5.5	122 - 147	100
S-CD65S						
290393	S-CD65S 5.5x110	5.5x110	19	4.5 - 15	37 - 63	100
290394	S-CD65S 5.5x130	5.5x130	19	4.5 - 15	57 - 83	100
290395	S-CD65S 5.5x150	5.5x150	19	4.5 - 15	77 - 103	100
290396	S-CD65S 5.5x170	5.5x170	19	4.5 - 15	97 - 123	100
290397	S-CD65S 5.5x190	5.5x190	19	4.5 - 15	117 - 143	100

S-CD53SP/S-CD55SP

Stainless Steel Bi-Hex Head Composite Screws - 16mm washer



Item Number	Ordering Designation	Dimensions (DxL) mm	Sealing washer dia. mm	Drilling Thickness mm	Panel Thickness mm	Package Contents
S-CD53SP						
**	S-CD53SP 5.5x95 [colour]	5.5x95	16	2.0 - 5.5	42 - 67	100
**	S-CD53SP 5.5x115 [colour]	5.5x115	16	2.0 - 5.5	62 - 87	100
**	S-CD53SP 5.5x135 [colour]	5.5x135	16	2.0 - 5.5	82 - 107	100
S-CD55SP						
**	S-CD55SP 5.5x110 [colour]	5.5x110	16	4.5 - 15	37 - 63	100
**	S-CD55SP 5.5x130 [colour]	5.5x130	16	4.5 - 15	57 - 83	100
**	S-CD55SP 5.5x150 [colour]	5.5x150	16	4.5 - 15	77 - 103	100

** Item number depends on colour - contact Hilti Customer Services for details.

For 19mm sealing washer order S-CD63SP or S-CD65SP.
For 29mm sealing washer order S-CD83SP or S-CD85SP.

Please specify the RAL/BS Code when placing an order for colour headed fasteners.

ST 1800 metal construction screwdriver



Features

- Adjustable depth gauge to allow screws with sealing washers up to 23mm diameter to be installed correctly
- High torque which is adjustable to suit different types of screws and different applications
- Compatible with SDT 30 stand-up tool for maximum working comfort and speed

Technical Data

ST 1800	
Voltage	110V / 230V
Power rating	600W
No load speed	0 -1900 rpm
Max torque	22Nm (adjustable with 18 settings)
Dimensions (LxWxH)	308x72x265mm
Weight	1.8kg

Order Description	Package Contents	Item Number
ST 1800 (110V)	110V ST 1800 metal construction screwdriver in cardboard box complete with depth gauge, 4m supply cord and operating instructions	00378545
ST 1800 (230V)	230V ST 1800 metal construction screwdriver in cardboard box complete with depth gauge, 4m supply cord and operating instructions	00378550

SDT 30 stand-up tool for collated screws

Features

- Collated screws for maximum speed and efficiency
- Ergonomically designed SDT 30 stand-up tool



Order Description	Package Contents	Item Number
SDT 30	Stand-up tool supplied in a cardboard box complete with magazine strip guide, bit holder, hex, nut driver, supply cord strain-relief clasp and operating instructions	385928

ST 2500 metal construction screwdriver



Features

- Adjustable depth gauge to allow screws with sealing washers up to 23mm diameter to be installed correctly
- Lightweight for user comfort
- High speed for fastening into steel up to 6mm thick

Technical Data

ST 2500	
Voltage	110V / 230V
Power rating	600W
No load speed	0-2200rpm
Max torque	19Nm
Dimensions (LxWxH)	242x72x194mm
Weight	1.5kg

Order Description	Package Contents	Item Number
ST 2500 (110V)	110V ST 2500 metal construction screwdriver in cardboard box complete with depth gauge, 4m supply cord and operating instructions	00378563
ST 2500 (230V)	230V ST 2500 metal construction screwdriver in cardboard box complete with depth gauge, 4m supply cord and operating instructions	00378568

Item Description	Package Contents	Item Number
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Hexagon head bits

Hexagon bit S-NSD 1/4"	1	308903
Hexagon bit S-NSD 5/16"	1	308904
Hexagon bit S-NSD 3/8"	1	308905
Hexagon bit S-NSD 7	1	308900
Hexagon bit S-NSD 8	1	308901
Hexagon bit S-NSD 8 DT for SDT 25	1	304413
Hexagon bit S-NSD 10	1	308902
Hexagon bit S-NSD13L	1	318364
Bi-hex bit S-NSD11	1	309500



Philips Type torsion bits

Screwdriver bit S-B PH 1 T	10	258124
Screwdriver bit S-B PH 2 T	10	257618
Screwdriver bit S-B PH 3 T	10	258126
Bit dispenser S-BS PH	6 bits and a bit holder	258700
Bit box S-BS PH2	60 Phillips No. 2 bits plus bit holder	334031
Diamond screwdriver bit S-B PH 2	10	384626



Torx-type bits

Screwdriver bit S-B TX 25 T	10	258140
Screwdriver bit S-B TX 30 T	10	258144
Screwdriver bit S-B TX 40	10	258146
Screwdriver bit S-B TX 50	5	315122
Bit dispenser S-BS TX	Torx bits 10,15,20,25,30,40	258698



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Hilti (Gt. Britain) Limited | 1 Trafford Wharf Road | Trafford Park | Manchester | M17 1BY
Freephone: 0800 886 100 | Freefax: 0800 886 200 | www.hilti.co.uk

Hilti (Fastening Systems) Limited | Unit C4 | North City Business Park | Finglas | Dublin 11
CallSave: 1-850-287-387 | Freefax: 1-800-654-600 | www.hilti.ie