

SPAX[®]
Die Schraube



SPAX – Outdoor

SPAX Outdoor.

For Decking and Timber Construction.





Overview of the Outdoor Decking product range

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Decking



Deck

For the connection of wooden decks
in **A2/304 stainless steel.**



SPAX Decking screw

in A2/304 stainless steel.

Easy fastening, even in hardwood*

Step 1: Drill the boards and substructure with a SPAX Step drill (see p. 13). Use the complete length of the drill at the highest possible speed (around 3,000 rpm).

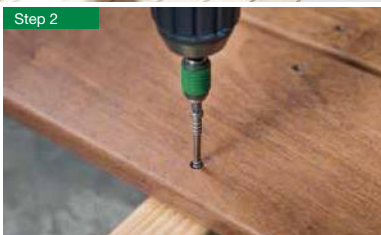
Step 2: Drive the decking screw straight in with a *T-STAR plus* T25 BIT without stopping until the head is flush.

Result: Impeccable visual appearance with minimal splitting. Long lasting connection with minimum movement due to fixing thread.

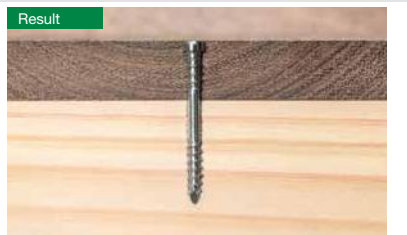
The SPAX advantages:

- *T-STAR plus* T25
- Cylinder head
- Fixing thread
- SPAX typical ground serrations
- *CUT point*
- A2/304 stainless steel
- Synthetic coating
- Certified proof of origin

*We recommend pre-drilling in hardwoods.



Step 2



Result



SPAX Decking screw

A2/304 stainless steel

A2
AISI 304

A2

Dimensions (mm)					Packaging unit	SPAX-No.
Thread Ø d1	Length total Ls	Maximum board-thickness	Length partial thread LgT	BIT size T	SPAX BOX [pieces]	
5.0 Ø Head = 7.0 mm	40	12	21	25	200	0537000500403
	50	19	21	25	200	0537000500503
	60	24	26	25	100	0537000500603
	70	28	31	25	100	0537000500703
	80	32	36	25	100	0537000500803



SPAX Video
„Deck“

A4
AISI 316

EDELSTAHL®
**Rost
frei**
INOX
STAINLESS STEEL

CE
23
Döp 1
3030912221
ETA-120114

TUV WOOD
Made in Germany

MADE IN
SPAX®
GERMANY

Decking

EDELSTAHL®
**Rost
frei**
INOX
STAINLESS STEEL



Deck

For the connection of wooden decks
in corrosive environments
in A4/316 stainless steel.



SPAX Decking screw

in A4/316 stainless steel.

Easy fastening – even in hardwoods*
Permanent corrosion protection.

Step 1: Drill the boards and substructure with a SPAX Step drill (see also p. 13). Use the complete length of the drill. Use the highest possible speed (around 3,000 rpm).

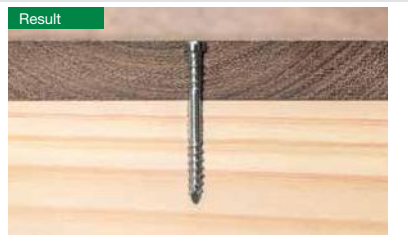
Step 2: Drive the decking screw straight in with a *T-STAR plus* T25 BIT. Drive it in without stopping until the head is flush.

Result: Impeccable visual appearance and low splitting effect when sinking the cylinder head. Safe connection due to fixing thread.

The SPAX advantages:

- *T-STAR plus* T25
- Cylinder head
- Fixing thread
- SPAX typical ground serrations
- *CUT point*
- A4/316 stainless steel
- Synthetic coating
- Certified proof of origin

*We recommend pre-drilling in hardwoods.



SPAX Decking screw

A4/316 stainless steel

A4
AISI 316 **A4**

Dimensions [mm]					Packaging unit	SPAX-No.
Thread Ø d1	Length total Ls	Maximum board-thickness	Length partial thread LgT	BIT size T	SPAX BOX [pieces]	
5.5 Ø Head = 7.0 mm	40	12	22	25	200	0538000550403
	50	19	22	25	200	0538000550503
	60	24	26	25	100	0538000550603
	70	28	32	25	100	0538000550703
	80	32	38	25	100	0538000550803

A4
AISI 316

EDELSTAHL®
**Rost
frei**
INOX
STAINLESS STEEL

TOV MOB
Made in Germany

MADE IN
SPAX®
GERMANY

Decking

EDELSTAHL®
**Rost
frei**
INOX
STAINLESS STEEL



Deck

The screw for decks, boardwalks
and footbridges
in A4/316 stainless steel.



SPAX for decks, boardwalks and footbridges in A4/316 stainless steel.

The ideal screw for corrosive environments such as coastal areas and for treated timbers. We recommend pre-drilling with a SPAX 6 mm step drill over the entire length of the screw. This product is the ideal solution for boardwalks, decks and other commercial applications in corrosive environments.

Step 1: Pre-drill with a SPAX step drill 6 mm diameter over the entire screw length (see page 13). The wooden decking board displayed is 45mm thick.

Step 2: Fasten with SPAX-BIT *T-STAR plus* T40.

Result: Impeccable visual appearance with minimal splitting effect. Long lasting connection with minimum movement due to fixing thread.

The SPAX advantages:

- *T-STAR plus* T25
- Cylinder head
- Fixing thread
- SPAX typical ground serrations
- *CUT point*
- A4/316 stainless steel
- Synthetic coating
- Technical specifications available

*We recommend pre-drilling in hardwoods.



SPAX for decks, paths and footbridges

A4/316 stainless steel

A4

A4/316

A4

Dimensions (mm)				Packaging unit	SPAX-No.
Thread Ø d1	Length total Ls	Length partial thread LgT	BIT size T	SPAX BOX [pieces]	
8.0 Ø Head = 10 mm	120	50	40	50	0538000801205



Decking accessories

The accessories
for aligning warped decking boards.



Decking accessories

for aligning warped decking boards.

Warped boards can only be straightened with considerable force. Thanks to its patented lever principle, the Kaiman multiplies your lever pressure by a factor of 12. The Kaiman will not damage or leave any marks on the decking boards, unlike using tensioning straps or wedges.

SPAX Kaiman pro

SPAX Wrench (Kaiman pro) for the easy alignment of warped coverboards

SPAX positioning guide (Liner)

4 joint gauge for 4 joint widths: 4, 5, 6, 7 mm

Packaging unit:

1 set in a case

SPAX-No.:

5009409872009



SPAX Spacer

Joint gauge for 4 joint widths: 4, 5, 6, 7 mm

Check the deck board manufacturer's recommended spacing

12 spacers in a handy reusable plastic tub

Packaging unit:

3 tubs per outer box

SPAX-No.:

5000009186209



SPAX Pads

Protects the wood substructure from rising damp and improves the acoustics of foot traffic

Dimensions: 100 x 100 x 8 mm

25 pieces bundled

Packaging unit:

10 x 25 pieces

per outer box

SPAX-No.:

5000009186609



SPAX Video
„Kaiman pro“



Decking accessories

The accessories
for a clean, professional finish.



Decking accessories

for a clean, professional finish.

Pre-drilling is highly recommended to achieve a professional finish and reduce stress cracks around the screw, ultimately saving time, money and maintenance in the long run. The SPAX Step drill cuts a clean recess for the cylinder head to avoid water collecting around the screw head.

SPAX Step drill for softwood

With 2 drilling steps of 4.1 mm and 6.5 mm diameter



SPAX-No.:
5009409873005



SPAX Step drill Ø 4 mm for hardwood



SPAX-No.:
5000009186540



SPAX Step drill Ø 6 mm for decks, boardwalks and foodbridges



SPAX-No.:
5000009186069





Decking accessories

The accessories
for optimal force transmission.



Decking accessories

for optimal force transmission.

Colour coded SPAX *T-STAR plus* BITS are specially designed for SPAX screws and are available in bit sizes T10 to T40. With SPAX *T-STAR plus* BITS, you can achieve better force transmission, longer service life, quicker insertion and a better fit to save you both time and money. Colour coding makes it fast and easy to find the right bit.

SPAX-BITs *T-STAR plus* T25



SPAX BITcheck *T-STAR plus*

Rapidaptor BIT holder with 6 SPAX-BITs
T-STAR plus,
Length: 25 mm



SPAX-No.: 5000009181309

SPAX drive STOP

with adjustable depth gauges to ensure each screw reaches the right depth.
1/4 BIT frame holder with retaining ring
(For BIT exchange tools are necessary)

1 SPAX-BIT *T-STAR plus*
T25 INOX



SPAX-No.: 5000009186909



SPAX Air

For creating air transfer paths
and improving the ventilation of decks.



For creating air transfer paths
and improving the ventilation of decks.

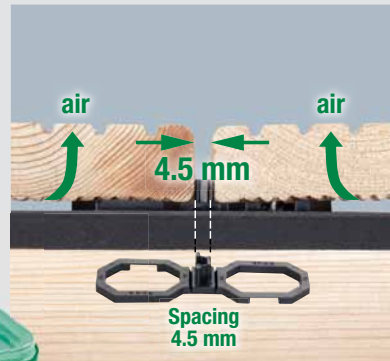
Damp is the enemy of builders. This applies in particular to moisture that is permanently present, i.e. waterlogging; this is the first place wood rots. With SPAX Air, there is now a simple way of separating boards from the substructure, which ensures better ventilation. At the same time, SPAX Air ensures the correct and regular spacing between the boards and makes installation significantly easier.

The SPAX advantages:

- Separates the boards from the substructure
- Ensures optimal ventilation from below
- Prevents waterlogging
- Ensures the correct spacing between the boards
- For board spacing 4.5 mm

SPAX Air
 for board spacing 4.5 mm

100 units in handle box
Packaging unit 1 handle box
 SPAX-No.:
 Distance 4.5: 5009422545009





SPAX – with new DELTA®-SEAL surface.

Whatever the weather –
DELTA®-SEAL
for greater corrosion protection.



The surface with extremely **high corrosion protection.**

The new and exclusive DELTA®-SEAL coating from SPAX provides twice the corrosion protection compared to ordinary galvanised products. It is ideal for use on CCA or ACQ treated timbers and all hardwoods and is suitable for any external use away from direct exposure to salt water.

The advantages and properties of the exclusive SPAX DELTA®-SEAL surface at a glance:

- DELTA®-SEAL achieves a corrosion protection that is twice as effective as ordinary galvanised product
- DELTA®-SEAL is free of chrome(VI) and is far more environmentally-friendly than conventional surfaces, both during manufacturing and usage

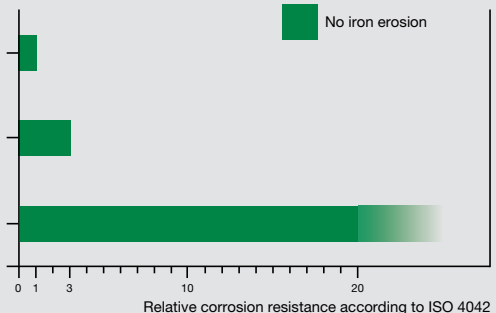


Surface

Blue zinc plated
Chrome(VI)-free

Yellow zinc plated
Contains
chrome(VI)

DELTA®-SEAL



DELTA®-SEAL coated screw is an economic alternative to stainless steel with added strength.



SPAX video
"Salt spray test"

DELTA®-SEAL



Outdoor Construction

The cost-effective alternative to coach screws
in **DELTA®-SEAL**
and **Stainless Steel A2/304**.



SPAX Construction screw with washer head 6.0, 8.0 and 10.0 mm in DELTA®-SEAL.

The SPAX washer head 6, 8 and 10 mm are ideal for a wide range of internal and external connections such as timber structures, battens, posts and stair cases. It's the cost-effective alternative to coach screws or cuphead bolts with fast, easy installation.

All screw lengths 160 mm and longer have a cutter above the partial thread, significantly reducing the screwing-in torque at installation.

The SPAX advantages:

- T-STAR plus T30 / T40 / T50
- Washer head
- Ground serrations
- 4CUT
- DELTA®-SEAL
- Certified proof of Origin

SPAX Washer head 6 mm

DELTA®-SEAL

Dimensions [mm] Thread Ø d1	Length total Ls	Length thread Lg	BIT size T	Packaging unit SPAX BOX [pieces]	SPAX-No.
6.0 Ø Head = 13.6 mm	80	56 ■	30	100	02570006006005
	80	61 ■	30	100	02570006008005
	100	61 □	30	100	02570006010005
	120	68 □	30	100	02570006012005
	140	68 □	30	100	02570006014005
	160	65 □	30	100	02516406016005
	180	65 □	30	100	02516406018005

SPAX Washer head 8 mm

DELTA®-SEAL

8.0 Ø Head = 20 mm	80	70 ■	40	50	02517508008005
	100	80 ■	40	50	02517508010005
	120	80 ■	40	50	02517508012005
	140	80 □	40	50	02517508014005
	160	80 □	40	50	02517508016005
	180	80 □	40	50	02517508018005
	200	80 □	40	50	02517508020005
	220	80 □	40	50	02517508022005
	240	80 □	40	50	02517508024005
	260	80 □	40	50	02517508026005
	280	80 □	40	50	02517508028005
	300	80 □	40	50	02517508030005
	320	80 □	40	50	02517508032005
	340	80 □	40	50	02517508034005
	360	80 □	40	50	02517508036005
380	80 □	40	50	02517508038005	
400	80 □	40	50	02517508040005	
450	80 □	40	25	02517508045005	

SPAX Washer head 10 mm

DELTA®-SEAL

10.0 Ø Head = 20 mm	80	80 □	50	50	02516410008005
	100	80 □	50	50	02516410010005
	120	80 □	50	50	02516410012005
	140	80 □	50	50	02516410014005
	160	80 □	50	25	02516410016005
	180	80 □	50	25	02516410018005
	200	80 □	50	25	02516410020005
	220	80 □	50	25	02516410022005
	240	80 □	50	25	02516410024005
	260	80 □	50	25	02516410026005
	280	80 □	50	25	02516410028005
300	80 □	50	25	02516410030005	

- T-STAR plus, full thread □ T-STAR plus, partial thread

*SPAX reference images –
with the kind permission of Tourism
Holdings Limited (th) New Zealand

DELTA®-SEAL



Outdoor

The SPAX solution for connecting timber to steel in DELTA®-SEAL.



SPAX Metal Screw

For wooden decks and walls

The SPAX timber-to-steel screw for board thicknesses of 16–22 mm. Ideal for fastening fencing, screening, decking* or INEX board to steel joists. We recommend pre-drilling timber boards with the SPAX Step drill. The specially designed drill tip of this screw will pre-drill steel up to 5 mm thick (minimum recommended steel thickness is 1.5 mm). We recommend the use a SPAX air spacer – see page 17 for more details.

*Check with your local building authority about fastening timber decking to steel joists.

The SPAX advantages:

- T-STAR plus recess
- Cylinder head
- Combination thread
- Drill point
- DELTA®-SEAL



SPAX Cylinder head 5.5 mm

DELTA®-SEAL

Dimensions (mm)				Packaging unit	SPAX-No.
Thread Ø d1	Length total Ls	Length partial thread LgT	BIT size T	SPAX BOX [pieces]	
5.5	44	25	25	500	35505501002641
Ø Head = 7.0 mm					

SPAX®

Die Schraube

SPAX IS NOT ONLY CALLED "INTERNATIONAL" – IT ACTUALLY IS!

Production is carried out at our site in Ennepetal and we export SPAX products to more than 40 countries across all continents.



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SPAX Pacific Pty. Ltd.
ALTENLOH, BRINCK & CO - GROUP

PO Box 55104 Eastridge · Auckland 1146 New Zealand
Phone: 09 570 7447
info@spaxpacific.co.nz · www.spaxpacific.com

SPAX Pacific Pty. Ltd.
ALTENLOH, BRINCK & CO - GROUP

PO Box 975 Gordonvale Qld 4865 Australia
Phone: 07 - 40 56 20 09
info@spaxpacific.com · www.spaxpacific.com