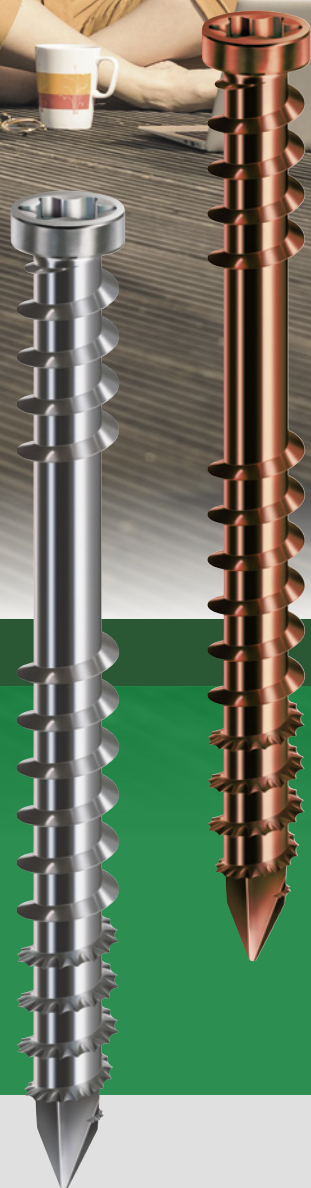




**SPAX**®

SPAX – Outdoor

**SPAX Outdoor.**  
For decking



**MADE IN**  
  
**GERMANY**

# Content

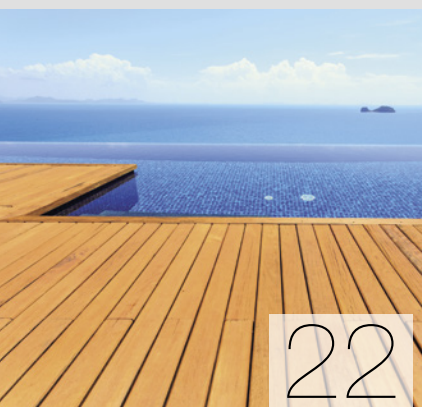
## Decking accessories



SPAX Video  
Decking system

|                                                                           |       |
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| <b>SPAX Lift</b> – height-adjustable decking supports                     | 6–7   |
| <b>SPAX Lift Extension</b> – height-adjustable decking supports           | 8–9   |
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## Decking screws



|                                                                              |       |
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| <b>SPAX Decking screw</b><br>in stainless steel A2 and A2 antique            | 22–23 |
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The applications illustrated in the Decking section of this brochure are intended as examples only. Detailed information can be found, for example, in the German Technical Rules and Regulations of Carpentry 02 "Balconies and Decking".

Source: Holzbau Deutschland – Bund Deutscher Zimmermeister (Federation of German Carpenters)

## Outdoor



### SPAX Post screw

in stainless steel A1

32–33

### SPAX Washer head screws

6.0 mm and 8.0 mm diameter in stainless steel A2

34–35



The applications illustrated in the Façade section of this brochure are intended as examples only. Detailed information can be found, for example, in the “Fachregeln des Zimmererhandwerks 01 “Außenwandbekleidungen aus Holz- und Holzwerkstoffen”

(Technical Rules and Regulations of Carpentry 01 “Façade Cladding Made of Wood and Wood-Based Materials”).

Source: Holzbau Deutschland – Bund Deutscher Zimmermeister (Federation of German Master Carpenters)



HOLZBAU  
DEUTSCHLAND  
BUND DEUTSCHER  
ZIMMERMEISTER

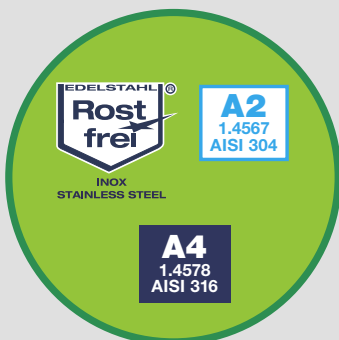


# 10 steps – to perfect decking



## 1. WHY SLOPE?

Decking is exposed to the weather and it is therefore crucial to minimise the risk of slipping. Through correct sloping, rainwater drains off the decking properly and the durability of the wood is increased. An inclination of **2%** is sufficient in most cases.



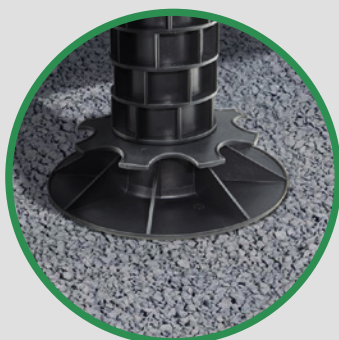
## 2. WHY STAINLESS STEEL A2/A4?

Stainless steel is a must for wooden decking. Which type of stainless steel is best suited depends on the type of wood and application area, since each has specific corrosion resistance against aggressive chemicals and weathering. Chemicals can also include natural **tannic acid**, which occurs in woods such as oak, yellow balau and Garapa. Wood containing tannins needs at least stainless steel A2. For applications in coastal areas, we recommend the A4 stainless steel version. Stainless steel is characterised by a high chrome content. This forms a protective layer on the surface of the material.



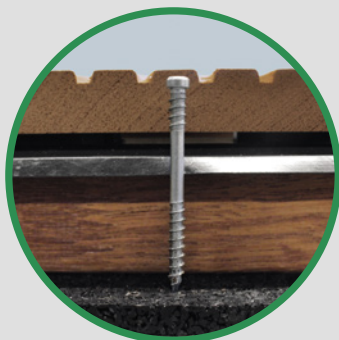
## 3. WHY VENTILATION FROM BELOW?

SPAX Air and Stick *Pro* reduce the formation of **water stagnation** between decking board and substructure. This structural improvement results in a significant increase in the durability of the wooden decking and thus upgrades its use class from 3.2 to the higher class 3.1.



## 4. AND WHAT ABOUT THE SUBSTRATE?

If at all possible, it is best to position decking so that it is not exposed to the prevailing elements or erected in a particularly damp or shady spot. Particular attention should be paid to **the areas of contact between the wooden boards and the** substrate. To make sure that the substructure does not come into direct contact with damp soil or stones, it is mounted on evenly spaced concrete slabs. To improve ventilation from below, at least one SPAX Pad should be inserted between the substructure and concrete slabs. Or, even better, use SPAX Lift adjustable feet for easier levelling of the decking surface.



## 5. HOW ARE BOARDS FASTENED?

The SPAX decking screw with T-STAR *plus* drive enables completely flush fastening. The result is an impeccable visual appearance and low splitting effect when sinking due to the cylindrical head. The fixing thread ensures that the wood covering is permanently and firmly attached to the substructure. Creaking and rattling are significantly reduced.



## 6. WHY PRE-DRILL?

Especially with hardwoods and tropical woods, pre-drilling is always a must. Pre-drilling and countersinking enable a clean, uniform finish.

The **pre-drilling rule** also applies to Thermowood since its material behaves like hardwood. However, to achieve a perfect screw pattern, we also recommend pre-drilling soft woods.

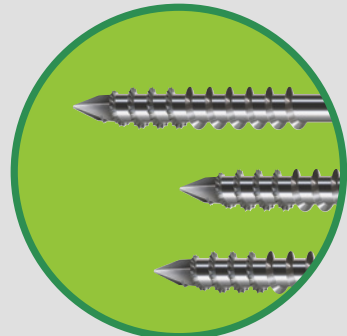


## 7. WHICH SCREW LENGTH IS RIGHT?

In practice, the following screw lengths have proven to be most effective for decking:

**Board thickness up to 21 mm =**  
60 mm screw length (wood on wood)

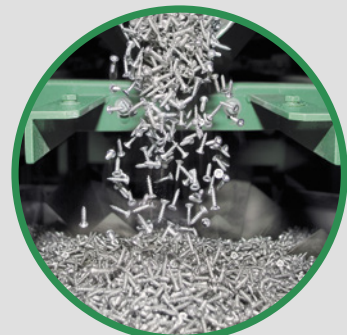
**Board thickness 22-28 mm =**  
70 mm screw length (wood on wood)



## 8. HOW MANY SCREWS DO YOU NEED?

The Decking Portal at **spax.com** offers a decking configurator to help you determine the required amount of screws, boards and the substructure dimensions in just a few clicks.

Everything is tailored to the dimensions of your planned decking area and the materials selected.



## 9. WHAT ABOUT RAILING HEIGHT?

The most important consideration here is safety. Railing height specifications may vary locally. From a decking height of 60 cm, railing is a requirement for building-authority approval.

Railing height is always measured from the base of the decking. A railing height of **1.2 m** is usually sufficient.



## 10. WHERE CAN I FIND MORE INFORMATION?

Visit **spax.com** and access our Decking Portal for **a wide range of valuable tips and know-how**. The sections Wood science and Top tips for users offer easy-to-follow explanations and illustrations.

You can also find out about the most common types of wood used in decking construction. Or why not gain inspiration from our reference projects? And to round off our comprehensive information service, we have also included some video tutorials on the key points of decking construction.



**Plan now online: [deck.spax.com](https://deck.spax.com)**



Decking accessories

**Decking supports**  
as a height-adjustable installation system.



## Decking supports

as a height-adjustable installation system.

The Lift decking supports create a stable base for the wooden boards, and their height can be adjusted by means of simple rotation. The SPAX Lift system raises the substructure off the ground and thus prevents rising damp.

### SPAX Lift 3.5/5

For wood and aluminium substructures with a width of 20–75 mm

Height continuously adjustable between 35–50 mm

Load capacity of up to 800 kg

For approx. 6 m<sup>2</sup>

PU: 10 bags (3 pieces each) in outer box

SPAX number: 4009435305009

PU: 50 pieces in big bag

SPAX number: 4009435305000



### SPAX Lift 5/9

For wood and aluminium substructures with a width of 20–75 mm

Height continuously adjustable between 50–80 mm

Load capacity of up to 800 kg

For approx. 5 m<sup>2</sup>

PU: 8 bags (3 pieces each) in outer box

SPAX number: 4009459558509

PU: 50 pieces in big bag

SPAX number: 4009459558500







Decking accessories

**Decking supports**  
as a height-adjustable installation system.

## Decking supports

as a height-adjustable installation system.

To compensate for larger heights, the Lift Extension pieces are used. When using the SPAX Lift Extension, the load-bearing capacity of the SPAX Lift 3.5/5 and SPAX Lift 5/9 is reduced from 800 kg to 400 kg.

The load-bearing capacity of SPAX Free Lift is 250 kg. The load-bearing capacity does not reduce when using the SPAX Lift Extension in combination with SPAX Free Lift.

### SPAX Extension 30 for SPAX Free Lift, Lift 3.5/5 and Lift 5/9

Easy-insert attachment, height 30 mm

Enables adjustment even to larger height differences (e.g. on a slope)

Maximum adjustment height: 8 pieces SPAX Extension with 30 mm height.

PU: 18 bags (8 pieces each) in outer box  
SPAX number: 4009400003009

PU: 50 pieces in big bag  
SPAX number: 4009400003019



### SPAX Extension 100 for SPAX Free Lift, Lift 3.5/5 and Lift 5/9

Easy-insert attachment, height 100 mm

Enables adjustment even to larger height differences (e.g. on a slope)

Maximum adjustment height: 8 pieces SPAX Extension with 100 mm height.

PU: 100 pieces in big bag  
SPAX number: 4009400010000



### SPAX Free Lift

Suitable for metal supports with a width of 91 mm

Height continuously adjustable up to 30 mm

For the simple adjustment of height differences during decking construction

PU: 15 bags (3 pieces each) in outer box  
SPAX number: 4009400009109

PU: 50 pieces in big bag  
SPAX number: 4009400009100







Decking accessories

**The accessories**  
for structural wood protection.



## Decking accessories for structural wood protection.

Damp is the enemy of construction. This applies in particular to permanent moisture, otherwise known as water stagnation or waterlogging; this is the first place that wood rots. In order to prevent this, SPAX supplies auxiliary material for structural wood protection.

### SPAX Pads

Protect the wood substructure from

rising damp

Dimensions: 100 x 100 x 8 mm

20 pcs in bundle

PU: 20 pieces shrink-wrapped in foil

SPAX number: 4001001000089



### SPAX Tape

Protects the wooden substructure from rain

Low-density polyethylene tape, self-adhesive, leaves no residue when removed, UV resistant, shock-proof

Material thickness: 0.5 mm

Dimensions: 30 m x 87 mm on roll

PU: 5 rolls in outer box

SPAX number: 4000009186419







SPAX Air

**For creating air transfer paths and  
improving decking ventilation.**





## For creating air transfer paths and **improving decking ventilation.**

Waterlogging causes wood to age and rot prematurely. 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 Air advantages:**

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

### **SPAX Air**

for board spacing 4.5 mm and 6.5 mm

#### **40 pieces in handle box**

#### **PU: 3 handle boxes**

SPAX number:

Distance 4.5: 4009422544009

Distance 6,5: 4009422564009

#### **100 pieces in handle box**

#### **PU: 1 handle box**

SPAX number:

Distance 4.5: 4009422545009

Distance 6,5: 4009422565009





SPAX Stick pro

**Non-visible connection**  
of decking boards on wood and aluminium.



## Non-visible connection

of decking boards on wood and aluminium.

The non-visible SPAX Stick *pro* ensures an immaculate appearance. The high mechanical strength of the stick gives decking boards great stability and load-bearing capacity on both wood and aluminium substructures. Thanks to the large contact surface of the SPAX Stick *pro*, it's practically impossible for the substructure to become crushed.

### Instructions for use:

- The fastening screw in the substructure can be removed even after installation
- With aluminium substructures:  
3 mm thickness for softwood decking boards, 4 mm thickness for hardwood decking boards
- Decking board must be at least 20 mm thick at the fixing point
- Board width for tropical woods <130 mm, thickness of decking board max. 24 mm
- Substructure spacing: max. 400 mm
- The end of the decking board should overlap max. 40 mm at the end of the substructure

### Not suitable for:

- Woods with strong interlocked grain (Brazilian teak, massaranduba etc.)
- Wood-plastic composites (WPC)

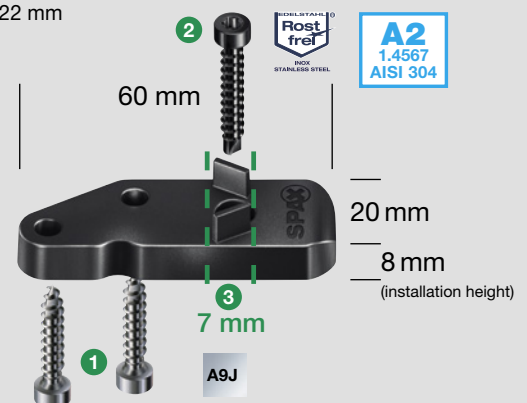
### For very hard imported woods:

- Pre-drilling recommended with 3.0 mm diameter

### Content:

- SPAX cylindrical head screws stainless steel A2 black 4.5 x 28 mm
- SPAX cylindrical head screws WIROX 4.5 x 22 mm
- 1 bit SPAX T-STAR *plus* T20 length 50 mm

- 1 SPAX WIROX for fixing the stick to the back of the decking board
- 2 SPAX stainless-steel screw in black colour with drill point for fixing on top of substructures made of aluminium (max. 4 mm thickness) and wood
- 3 Stays serve as a stop when the sticks are positioned against and fixed to the board. Use the SPAX Spacer (joint gauge) to adjust the joint width when pulling the decking boards together

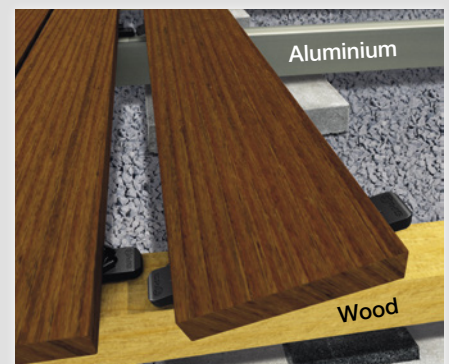


### SPAX Stick *pro* 1 m<sup>2</sup>

40 pieces in handle Box  
PU: 3 handle boxes in outer box  
SPAX number: 4009422556629

### SPAX Stick *pro* 3 m<sup>2</sup>

120 pieces in handle box  
PU: 1 handle box  
SPAX number: 4009422556639



SPAX Video  
„Stick pro“





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, SPAX Kaiman *pro* multiplies your lever pressure by a factor of 12. This means 50 kg of lever pressure applies 600 kg to the side of the board! The grips of the Kaiman apply pressure to the side of the board without damaging the structure of the wood.

### SPAX Kaiman *pro*

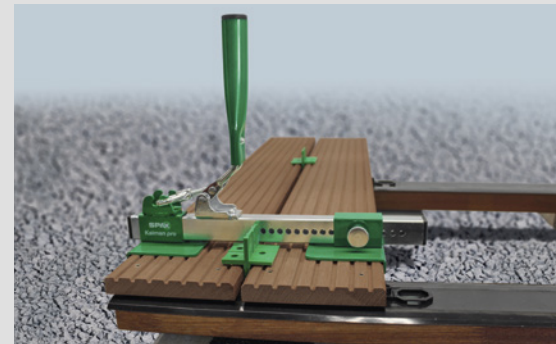
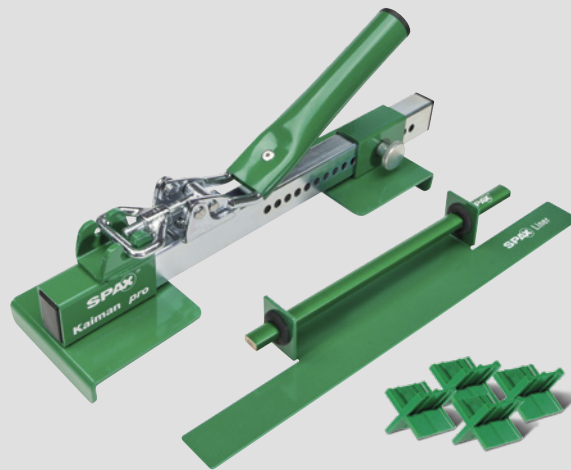
SPAX Wrench for the easy alignment of warped decking boards

SPAX positioning guide (liner)

4 SPAX Spacer joint gauges for 4 joint widths: 4, 5, 6, 7 mm

PU: 1 set in case

SPAX number: 5009409872009

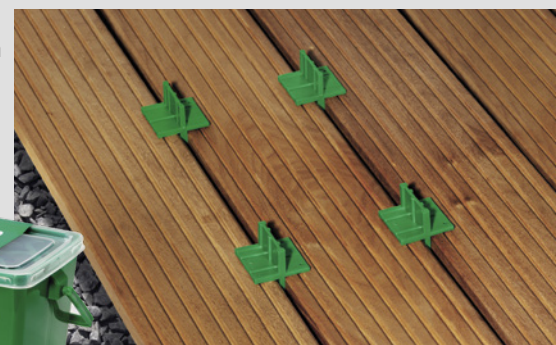


### SPAX Spacer

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

Please check the decking board manufacturer's recommended spacing  
12 pieces in handle box

PU: 3 x 12 pieces in outer box  
SPAX number: 5000009196209



SPAX Video  
„Kaiman *pro*“





Decking accessories

**The accessories**  
for a clean screw pattern





## Decking accessories for a clean screw pattern.

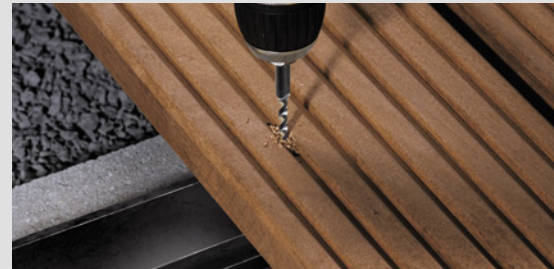
Pre-drilling ensures a clean screw pattern and prevents stress cracks around the screw. This increases the life span of your decking and makes installation easier. The special second drilling and countersinking stage, which is designed for the cylindrical head of the SPAX decking screw, prevents the formation of "puddles" around the screw head. If the depression around the screw hole is too deep, this is often the first place where the wood rots.

Wherever possible, pre-drill the entire length of the screws at high speed (approx. 3000 rpm)!

### SPAX Drill 2 Step

with 2 drill steps of 4.1 mm and 6.5 mm diameter, spindle length 48 mm

PU: 5 pieces in cans, individually packaged  
SPAX number: 4009409873002

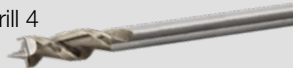


### SPAX Drill 5.2

Wood drill with 4.0 mm diameter shank and 5.2 mm diameter shank, spindle length 19 mm

PU: 5 pieces in cans, individually packaged  
SPAX number: 5009409875002

Recommendation: use in combination with SPAX Step Drill 4



### SPAX Step Drill 4

1 x wood drill 4 mm diameter,  
1 x countersink 6.5 mm diameter,  
1 x hex key

PU: 1 set in can, individually packaged  
SPAX number: 5000009186049

Height-adjustable countersink

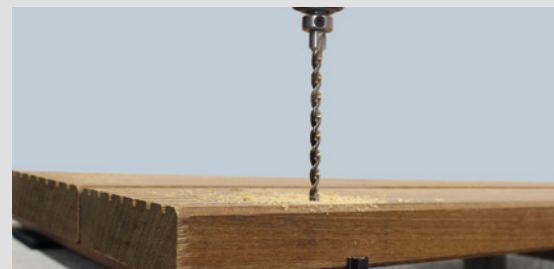


### SPAX Step Drill 6

2 x wood drill 6 mm diameter,  
1 x countersink 9.5 mm diameter,  
1 x hex key

PU: 1 set in can, individually packaged  
SPAX number: 5000009186069

Height-adjustable countersink







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 our SPAX screws and are available in bit sizes T10 to T40. SPAX T-STAR plus bits achieve better force transmission, longer service life and a better fit. Thanks to colour coding, finding the right bit size has never been quicker.

Technical information: SPAX Bits in length 50 mm are not suitable for bit holders. Instead, they should be inserted directly into the chuck of a cordless screwdriver or drill.

### SPAX bits T-STAR plus T25



### SPAX-BITBOX T-STAR plus

Bitholder, length 60 mm with  
6 SPAX T-STAR plus bits T10-T40,  
length 25mm



PU: 5 SPAX-BITBOX in carton box  
SPAX number: 4000007899019



### SPAX Drive STOP

with adjustable depth gauge 1/4" BIT  
frame holder with retaining ring

To change the BIT, remove the depth stop to enable easier  
access to the BIT. If the BIT is stuck in the BIT holder, use a  
pair of pliers to remove it.

1 SPAX bit T-STAR plus T25  
2 spare felt rings

PU: 1 piece in transparent box  
SPAX number:  
5000009186919



Not suitable for impact drivers!







Step 1



Decking screw

The screw for wooden decking  
in stainless steel A2 and A2 antique.





## SPAX Decking screw

in stainless steel A2 and A2 antique.

Easy fastening, even in tropical wood and hardwood\*

**Step 1:** Pre-drill the boards and wooden substructure with a SPAX Step Drill 4 (see p. 17). Wherever possible, pre-drill the entire length of the screws at high speed (approx. 3000 rpm).

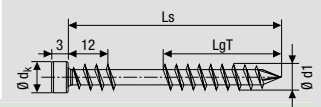
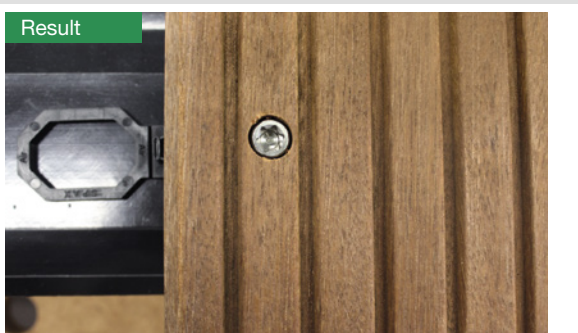
In order to prevent potential discolouration of the wood, we recommend removing any drilling dust immediately after drilling.

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

**Result:** Impeccable visual appearance with minimal splitting when counter-sinking due to cylindrical head. Fixing thread ensures firm attachment of wood covering to the substructure and therefore reduces creaking.

- T-STAR *plus* T25
- Cylindrical head
- Fixing thread
- Typical SPAX ground serrations
- CUT point
- Stainless steel A2 and A2 antique
- Anti-friction coating

\*Processing information: For pre-drilling particularly on hardwoods, we recommend using a SPAX Step Drill 4.



### SPAX Decking screw stainless steel A2



| Dimensions [mm]             |                 |                           |              | PU               | SPAX number   |
|-----------------------------|-----------------|---------------------------|--------------|------------------|---------------|
| Thread Ø d1                 | Total length Ls | Partial thread length LgT | Blade size T | SPAX BOX [piece] |               |
| <b>5,0</b><br>Ø dk = 7,0 mm | 50              | 21                        | 25           | 500              | 0537000500505 |
|                             | 60              | 26                        | 25           | 400              | 0537000500605 |
|                             | 70              | 31                        | 25           | 250              | 0537000500705 |
| <b>5,0</b><br>Ø dk = 7,0 mm | 40              | 21                        | 25           | 200              | 0537000500403 |
|                             | 50              | 21                        | 25           | 200              | 0537000500503 |
|                             | 60              | 26                        | 25           | 100              | 0537000500603 |
|                             | 70              | 31                        | 25           | 100              | 0537000500703 |
|                             | 80              | 36                        | 25           | 100              | 0537000500803 |

### SPAX Decking screw stainless steel A2 antique



|                             |    |    |    |     |               |
|-----------------------------|----|----|----|-----|---------------|
| <b>5,0</b><br>Ø dk = 7,0 mm | 50 | 21 | 25 | 500 | 0537900500505 |
|                             | 60 | 26 | 25 | 400 | 0537900500605 |
| <b>5,0</b><br>Ø dk = 7,0 mm | 50 | 21 | 25 | 200 | 0537900500503 |
|                             | 60 | 26 | 25 | 100 | 0537900500603 |



Step 1



Decking screw

The screw for wooden decking  
**in stainless steel A4.**





## SPAX Decking screw in stainless steel A4

Easy fastening, even in tropical wood and hardwood\*.  
Permanent corrosion protection.

**Step 1:** Pre-drill the boards and wooden substructure with a SPAX step drill 4 (see p. 17). Wherever possible, pre-drill the entire length of the screws at high speed (approx. 3000 rpm).

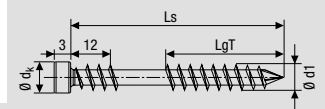
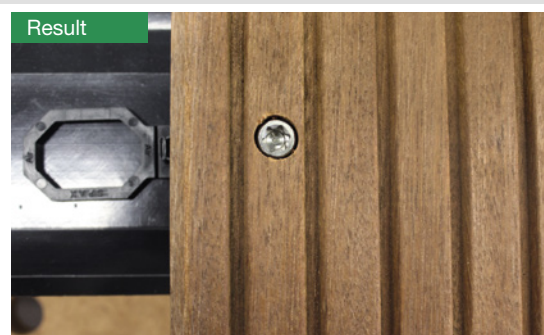
In order to prevent potential discolouration of the wood, we recommend removing any drilling dust immediately after drilling.

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

**Result:** Impeccable visual appearance with minimal splitting when counter-sinking due to cylindrical head. Fixing thread ensures firm attachment of wood covering to the substructure and therefore reduces creaking.

- T-STAR *plus* T25
- Cylindrical head
- Fixing thread
- Typical SPAX ground serrations
- CUT point
- Stainless steel A4
- Anti-friction coating

\*Processing information: \*For pre-drilling particularly on hardwoods, we recommend using a SPAX Step Drill 4.



### SPAX Decking screw stainless steel A4



| Dimensions [mm]                         |                    |                              |                 | PU                  | SPAX number   |
|-----------------------------------------|--------------------|------------------------------|-----------------|---------------------|---------------|
| Thread Ø<br>d1                          | Total length<br>Ls | Partial thread<br>length LgT | Blade size<br>T | SPAX BOX<br>[piece] |               |
| <b>6.0</b><br>Ø d <sub>k</sub> = 7.0 mm | 40                 | 23                           | 25              | 200                 | 0538000600403 |
|                                         | 50                 | 23                           | 25              | 100                 | 0538000600503 |
|                                         | 60                 | 28                           | 25              | 100                 | 0538000600603 |
|                                         | 70                 | 34                           | 25              | 100                 | 0538000600703 |
|                                         | 80                 | 40                           | 25              | 100                 | 0538000600803 |
|                                         | 100                | 40                           | 25              | 100                 | 0538000601003 |



Decking screw

The screw for decking,  
boardwalks and footbridges  
**in stainless steel A4.**





## SPAX for decking, boardwalks and footbridges in stainless steel A4

Easy fastening, even in tropical wood and hardwood\*. In hardwood, pre-drilling with a 6 mm diameter drill bit to the entire screw length is recommended. For this purpose, use SPAX Step Drill 6 (see p. 17). Permanent corrosion protection – stainless steel A4 is particularly suitable for coastal areas.

**Step 1:** Pre-drill with a SPAX Step Drill 6 to the entire screw length. The wooden decking board illustrated is 45 mm thick.

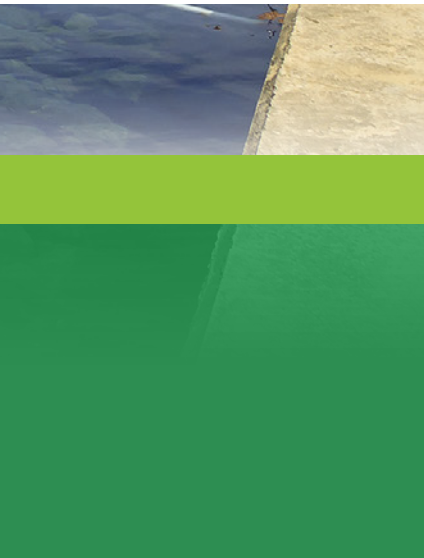
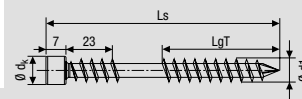
In order to prevent potential discolouration of the wood, we recommend removing any drilling dust immediately after drilling.

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

**Result:** Impeccable visual appearance with minimal splitting when counter-sinking due to cylindrical head. Fixing thread ensures firm attachment of wood covering to the substructure and therefore reduces creaking.

- T-STAR *plus* T40
- Cylindrical head
- Fixing thread
- Typical SPAX ground serrations
- CUT point
- Stainless steel A4
- Anti-friction coating

\*Processing information: For pre-drilling particularly on hardwoods, we recommend using a SPAX Step Drill 6.



## SPAX for decking, boardwalks and footbridges in stainless steel A4



| Dimensions [mm]                        |                 |                           |              | PU               | SPAX number   |
|----------------------------------------|-----------------|---------------------------|--------------|------------------|---------------|
| Thread Ø d1                            | Total length Ls | Partial thread length LgT | Blade size T | SPAX BOX [piece] |               |
| <b>8.0</b><br>Ø d <sub>K</sub> = 10 mm | 120             | 50                        | 40           | 50               | 0538000801205 |





Decking screw

The screw for wooden decking  
with visible connection  
**in stainless steel A2.**





## The perfect screw

for wooden decking with visible connection.

The fixing thread reduces creaking in floorboard construction.  
The decorative head ensures an aesthetic screw pattern.

**Step 1:** Pre-drill with a SPAX Step Drill 4 (see p. 17) to the entire screw length.

In order to prevent potential discolouration of the wood, we recommend removing any drilling dust immediately after drilling.

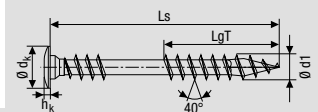
**Step 2:** Fasten with SPAX bit T-STAR *plus* T20.

**Result:** In addition to achieving an aesthetic screw pattern, a further advantage is that the screw head covers any split wood fibres around the screw hole. Particularly beneficial for preventing wood splinters when walking bare-foot.

Advantage: No stagnant water around the screw head.  
Reduces rot.

- T-STAR *plus* T20
- Decorative head
- Fixing thread
- 4CUT
- Stainless steel A2
- Typical SPAX ground serrations

\*Processing information: For pre-drilling particularly on hardwoods, we recommend using a SPAX Step Drill 4.



### SPAX Bold stainless steel A2



A2

| Dimensions [mm]              |                    |                              |                 | PU                  | SPAX number   |
|------------------------------|--------------------|------------------------------|-----------------|---------------------|---------------|
| Thread Ø<br>d1               | Total length<br>Ls | Partial thread<br>length LgT | Blade size<br>T | SPAX BOX<br>[piece] |               |
| <b>5.0</b><br>Ø dk = 10.0 mm | 56                 | 28                           | 20              | 100                 | 0567000500563 |



**A2**  
1.4567  
AISI 304

**EDELSTAHL®**  
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INOX  
STAINLESS STEEL

**Decking**



Step 1



Decking screw

The screw for wooden decking on aluminium  
in **stainless steel A2.**





## The new solution

for wooden decking on aluminium.

The fixing thread reduces creaking in floorboard construction. A solid metal double thread for improved grip in aluminium. Drill point for aluminium profiles up to 4.0 mm wall thickness without aluminium pre-drilling. Very low decking construction height of min. 46 mm possible.

**Step 1:** Wood type-dependent pre-drilling of the decking boards using SPAX Drill 5.2 (see page 17). Do not pre-drill the aluminium profile!

In order to prevent potential discolouration of the wood, we recommend removing any drilling dust immediately after drilling.

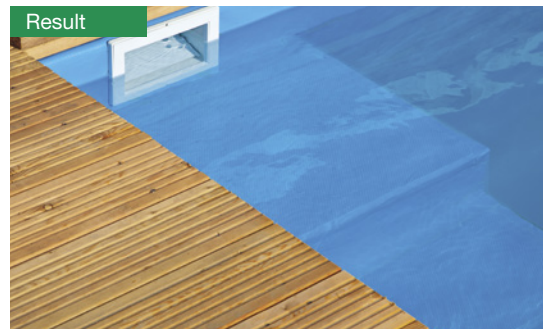
**Step 2:** Screw in the decking screw with a SPAX bit T-STAR *plus* T25 and SPAX Drive STOP (see p. 19) until the head is flush.

**Result:** Impeccable visual appearance, no splitting and no warping. Screw connections can also be released again without head shearing.

**Recommendation:** Use SPAX Air between cover board and aluminium profile. Use SPAX Step Drill 4 in combination with SPAX Drill 5.2. Use SPAX Drive STOP – adjustable depth gauge.

### Not suitable for:

Timbers with heavily interlocked grain (Brazilian teak, massaranduba, IPE decking boards > 21 x 120 mm etc.)

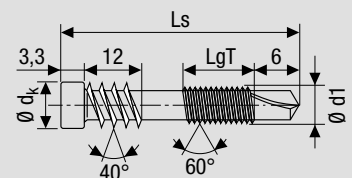


### Technical information:

Length: 44 mm for max. 20 mm decking boards  
Length: 48 mm for max. 24 mm decking boards  
Length: 51 mm for max. 27 mm decking boards

3.0 mm-thick aluminium substructure for softwood,  
4.0 mm-thick aluminium substructure for hardwood

- T-STAR *plus* T25
- Stainless steel A2
- Cylindrical head
- Anti-friction coating
- Drill point



### SPAX for wooden structures on aluminium stainless steel A2



A2

| Dimensions [mm]                         |                 |                           |              | PU               | SPAX number   |
|-----------------------------------------|-----------------|---------------------------|--------------|------------------|---------------|
| Thread Ø d1                             | Total length Ls | Partial thread length LgT | Blade size T | SPAX BOX [piece] |               |
| <b>5.0</b><br>Ø d <sub>k</sub> = 7.0 mm | 44              | 18                        | 25           | 100              | 0557000500443 |
|                                         | 48              | 18                        | 25           | 100              | 0557000500483 |
|                                         | 51              | 18                        | 25           | 100              | 0557000500513 |



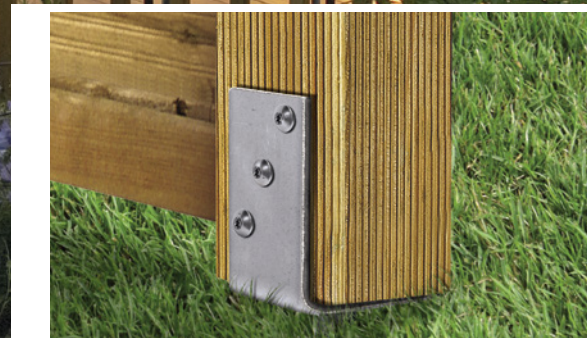
AISI 430

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CE  
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Outdoor

**The screw for post connection**  
for pergola, arbours and garden fences.





## SPAX Post screw in stainless steel.

The SPAX Post screw is the best choice for fastening wooden garden fence posts to base supports. It is suitable for many types of metal supports.

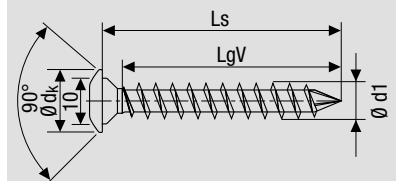
The collar under the screw head ensures a flawless finish, whilst the special fillister head adapts to most metal supports and has a splendid visual appearance. Due to its high weather and corrosion resistance, the stainless-steel design prolongs the durability of the screw connection. Thanks to its *CUT point* no pre-drilling is necessary.\*

The T-STAR *plus* drive makes cumbersome work with conventional hex screws a thing of the past.

Can be used with post heights of max. 1.2 m.

- T-STAR *plus* T40
- Fillister head
- Typical SPAX ground serrations
- *CUT point*
- Stainless steel
- Self-tapping

\*We recommend pre-drilling in hardwoods.



### SPAX Post screw stainless steel A1



| Dimensions [mm]           |                    |                           |                 | PU                  | SPAX number    |
|---------------------------|--------------------|---------------------------|-----------------|---------------------|----------------|
| Thread Ø<br>d1            | Total length<br>Ls | Full thread length<br>LgV | Blade size<br>T | SPAX BOX<br>[piece] |                |
| <b>8.0</b><br>Ø dk =14 mm | 50                 | 44                        | 40              | 50                  | 35708000601001 |





Outdoor

The SPAX for the connection of battens,  
timber structures, steps and risers  
**in stainless steel A2.**





## SPAX washer head

6.0 mm and 8.0 mm in stainless steel A2

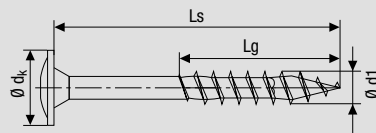
The SPAX washer head 6 and 8 are ideal for connecting battens, timber structures and external stair cases.

The 6 mm washer head allows easy fastening of steel parts and sheet metal onto timber without the need to countersink the holes.

The washer head also offers improved pull-down force even in thin sheet metal. The small 6 mm thread diameter also enables the connection of small timber cross sections.

The washer head in 8 mm also guarantees maximum pull-through capacity and allows for larger spacing between the screws. All screw lengths from 160 mm feature 4CUT on the partial thread screw shank to significantly reduce the screwing-in torque during installation.

- T-STAR plus T30 / T40
- Washer head
- Typical SPAX ground serrations
- 4CUT
- Stainless steel A2
- Anti-friction coating



### SPAX washer head 6 mm

stainless steel A2



| Dimensions [mm]<br>Thread Ø<br>d1        | Total length<br>Ls | Thread length<br>Lg | Blade size<br>T | PU<br>SPAX BOX<br>[piece] | SPAX number   |
|------------------------------------------|--------------------|---------------------|-----------------|---------------------------|---------------|
| <b>6.0</b><br>Ø d <sub>K</sub> = 13.6 mm | 60                 | 56 ■                | 30              | 100                       | 0257000600605 |
|                                          | 80                 | 61 ■                | 30              | 100                       | 0257000600805 |
|                                          | 100                | 61 □                | 30              | 100                       | 0257000601005 |
|                                          | 120                | 68 □                | 30              | 100                       | 0257000601205 |
|                                          | 140                | 68 □                | 30              | 100                       | 0257000601405 |

### SPAX washer head 8 mm

stainless steel A2



|                                        |     |      |    |    |               |
|----------------------------------------|-----|------|----|----|---------------|
| <b>8.0</b><br>Ø d <sub>K</sub> = 20 mm | 50  | 46 ■ | 40 | 50 | 0257000800505 |
|                                        | 60  | 56 ■ | 40 | 50 | 0257000800605 |
|                                        | 80  | 70 ■ | 40 | 50 | 0257000800805 |
|                                        | 100 | 80 ■ | 40 | 50 | 0257000801005 |
|                                        | 120 | 80 ■ | 40 | 50 | 0257000801205 |
|                                        | 140 | 80 □ | 40 | 50 | 0257000801405 |
|                                        | 160 | 80 □ | 40 | 50 | 0257000801605 |
|                                        | 180 | 80 □ | 40 | 50 | 0257000801805 |
|                                        | 200 | 80 □ | 40 | 50 | 0257000802005 |
|                                        | 220 | 80 □ | 40 | 50 | 0257000802205 |
|                                        | 240 | 80 □ | 40 | 50 | 0257000802405 |
|                                        | 260 | 80 □ | 40 | 50 | 0257000802605 |
|                                        | 280 | 80 □ | 40 | 50 | 0257000802805 |
|                                        | 300 | 80 □ | 40 | 50 | 0257000803005 |

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

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