



THE SCIENCE OF SCREWS

The right screw
for every application



MADE IN
Germany

A small graphic of the German flag, consisting of three horizontal stripes of black, red, and gold, is positioned below the word "Germany".

4CUT

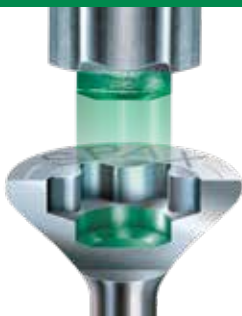
Reduces splitting
effectively



What makes SPAX different from other screws?

T-STAR plus

Positive and secure fit of the BIT and better driving, eg. when working overhead.



MULTI Head

Flush countersinking. Cuts through wood and stops on metal.



4CUT

Starting at screw lengths of 160 mm, the special moulding at the end of the partial thread significantly reduces the screwing-in torque.



4CUT

No pre-drilling (wood-dependent), its point effectively reduces splitting. The square point pushes aside the fibre of the wood and reduces the screwing-in torque.



Which head shape for which application?

MULTI Head



For screwing boards to beams whenever flush countersinking of the head is required.



Pan head



Suitable for thin fittings with pre-drilled hole. Lies flat on the surface of the material.



Raised countersunk head



Decorative fastener for furniture or door fittings, skirting boards and decorative panelling. Easy to countersink and looks good.



Washer head



For screwing rear panels (with small dimensions) or whenever really secure connections are needed, ie. high load bearing capacity and high tensile forces (with large dimensions of 6–10 mm in diameter).



Cylindrical head



With a small head diameter for special applications, eg. SPAX decking screws



Which **COATING**
should I use indoors?



YELLOX®

**CHROME(VI)
FREE**

A2L

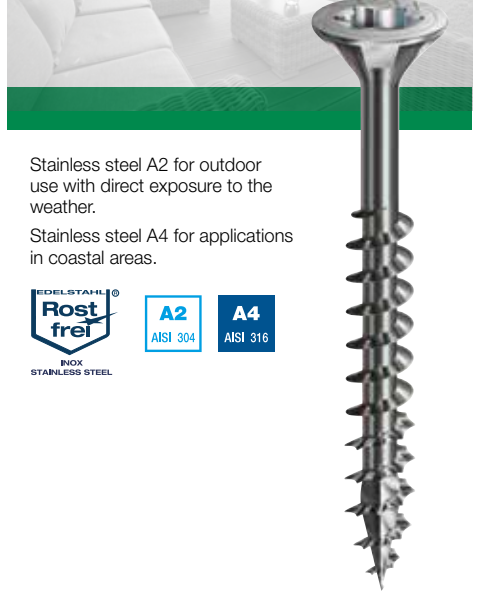


WIROX®

**CHROME(VI)
FREE**

A3J

Which **MATERIAL**
should I use outdoors?



Stainless steel A2 for outdoor use with direct exposure to the weather.

Stainless steel A4 for applications in coastal areas.



A2
AISI 304

A4
AISI 316

When should I use a
FULL THREAD?



Fixing fittings with pre-drilled hole to, eg., wooden beams.

- Absorption of high tensile forces by the full thread.
- Higher compressive force thanks to the full thread.



When should I use a
PARTIAL THREAD?



For screwing boards to beams.

The non-threaded part must be the same length or longer than the board to be fixed.

- Secure connection with reduced gap formation because the thread does not lock up.
- High pre-tension between the head and the thread section that acts only in the lower component.
- Ideal for wood and wood-based materials (eg. chipboard).



What are the special **CHARACTERISTICS** of WIROX?



THE SURFACE WITH HIGH CORROSION PROTECTION

- Better corrosion protection compared with bright zinc coating (coating thickness of 4–6 µm under artificial atmospheric corrosion conditions)
- Is particularly suited to service class 2 in accordance with Eurocode 5 for open constructions without direct exposure to weather, such as car ports or pergolas
- Is free of chrome(VI) and far more environmentally-friendly than conventional surfaces, both during manufacturing and usage
- More resistant to mechanical stress



What are the special **CHARACTERISTICS** of YELLOX?



ROBUST, YET STILL GOOD FOR THE ENVIRONMENT. YELLOX IS FREE OF CHROME(VI)

- Achieves corrosion protection that is more than 6 times greater than that offered by blue zinc plating at the same surface thickness (layer thickness of 4–6 µm with artificial atmospheric corrosion)
- Is free of chrome(VI) and far more environmentally-friendly than conventional surfaces, both during manufacturing and usage
- The screw retains its yellow appearance, offers greater corrosion protection and is chromium(VI)-free (ie. environment and health friendly)



What are the special **CHARACTERISTICS** of stainless steel?



WHEREVER DEPENDABLE SCREW CONNECTIONS ARE REQUIRED:

SPAX made of **stainless steel** are particularly suitable for outdoor use. They are available in two versions: **stainless steel A2** for outdoor applications directly exposed to the weather and for use in damp and wet areas eg. kitchen and bathroom. For applications in coastal areas, we recommend **stainless steel A4**. Stainless steel has a high chromium content, which results in a protective layer forming on the surface. Further alloying constituents such as nickel, molybdenum, manganese and niobium give the screws even better corrosion resistance.



SPAX – What and what for?

SPAX Flooring screw

APPLICATION

- For secure fixings of flooring panels on old wooden floors when renovating (eg. OSB)

FEATURES

- Fixing thread
- WIROX surface (A3J)

ADVANTAGES

- Fixing thread holds the board in place
- Minimises creaking of floor structure



SPAX Centerdrilled screw

APPLICATION

- Connecting furniture elements
- Fastening skirting boards and curtain boards

FEATURES

- WIROX surface (A3J)

ADVANTAGES

- No pre-drilling (wood-dependent)
- Quick and safe fastening with reduced driving-in torque
- Secure hold of the decorative cap



SPAX Floor board screw

APPLICATION

- For laying solid wood floors

FEATURES

- Drill point
- 60° countersunk head with milling ribs
- WIROX surface (A3J)

ADVANTAGES

- No splitting of the tongue
- Milling ribs make counter-sinking easier
- Invisible screwing of tongue and groove boards



SPAX MDF screw

APPLICATION

- Fastening of fibreboards (MDF/HDF)

FEATURES

- CUT point
- WIROX surface (A3J)
- Small 75° milling head

ADVANTAGES

- No pre-drilling (wood-dependent)
- Effectively reduces splitting and bulging of the material



SPAX stainless steel A2

APPLICATION

- For outdoor applications, as well as windows, doors and corrosive environments.

FEATURES

- Stainless steel A2

ADVANTAGES

- High corrosion protection
- No rust marks
- Long-lasting
- Universal application



SPAX HI.FORCE washer head



APPLICATION

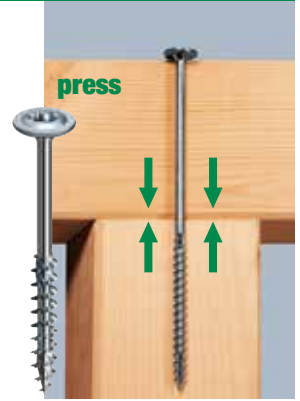
- Construction: for screwing together battens and squared timbers
- Stairway construction: for fixing treads and risers to the stringer

FEATURES

- Washer head
- Partial thread
- WIROX surface (A3J)

ADVANTAGES

- Better tightening of connections also of warped boards
- Significantly better corrosion protection compared with conventional coatings
- No pre-drilling (wood-dependent)



SPAX IN.FORCE cylindrical head

APPLICATION

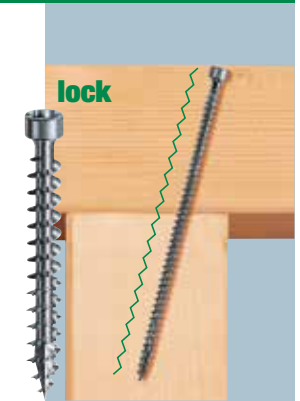
- Construction: carport, pergola, etc.

FEATURES

- Cylindrical head
- Full thread
- WIROX surface (A3J)

ADVANTAGES

- Replaces the angle connector
- Cross tension reinforcement: higher component load factor possible
- Lateral pressure reinforcement: higher forces can be transferred
- Reinforcement of dowel pin connections



SPAX Decking screw

APPLICATION

- Particularly suitable for outdoor wooden decking

FEATURES

- Stainless steel A2 or A4
- Small cylindrical head
- Fixing thread

ADVANTAGES

- CUT point
- Fixing thread holds the wooden decking boards securely in place on the substructure
- Permanent corrosion protection
- Easy fastening, even in hardwood.*

* Predrilling, using a SPAX step drill is recommended in hardwoods.



SPAX – Where do they come from?

SPAX – Made in Germany



SPAX is not only called “international” – it actually is!

With our workforce of some 500 employees, our manufacturing base is at our production plant in Ennepetal, while a number of distribution companies support us in 9 different countries.

Safety, quality and dependability since 1967.

Trade professionals have to be able to rely 100% on their materials. That's why SPAX has been the brand for professionals for 50 years: with quality Made in Germany and innovative details that make working easier and faster.



Image credits:
©ostap25, fotolia · ©Beau Lark Fancy, Fr online · ©hikkesterson, thinkstock · ©KatarzynaBialasiewicz, thinkstock
Product photos are non-binding sample images. The sole basis for purchase is the product description.



SPAX UK LTD.

ALTENLOH, BRINCK & CO - GROUP

Unit 9 · Calibre Industrial Estate · Laches Close
Four Ashes · Wolverhampton · West Midlands · WV10 7DZ · Great Britain
Tel.: +441902-703355 · Fax: +441902-703359
uk@spax.com · www.spax.com