

# Metflow

Screwing without drilling



Nedschroef now makes it possible to connect sheet metal using a retightening screw. This is done without drilling a hole or thread, without compromising on quality. A specially-designed tip form and the Nedtite ES thread-forming solution neatly and durably connect different alloys, materials and sheet metal in various degrees of hardness. For a higher overload torque, optimized thread is used at the last pitches near the head. The point is optimized for a low piercing torque and penetrates everything from lightweight metal to steel sheets measuring up to 1.8 mm.

## Field of application

This solution is ideal for high-profile automotive manufacturers' 'body in white' applications. Different sheet metal types, such as a high-strength steel alloy and an aluminum alloy or composite layer, can be joined in the floor group of the car, for example. Nedschroef's Altena laboratory can even optimize the connection with customers' original sheet metals and we can also optimize the coating of the screw for the post-fitting process.

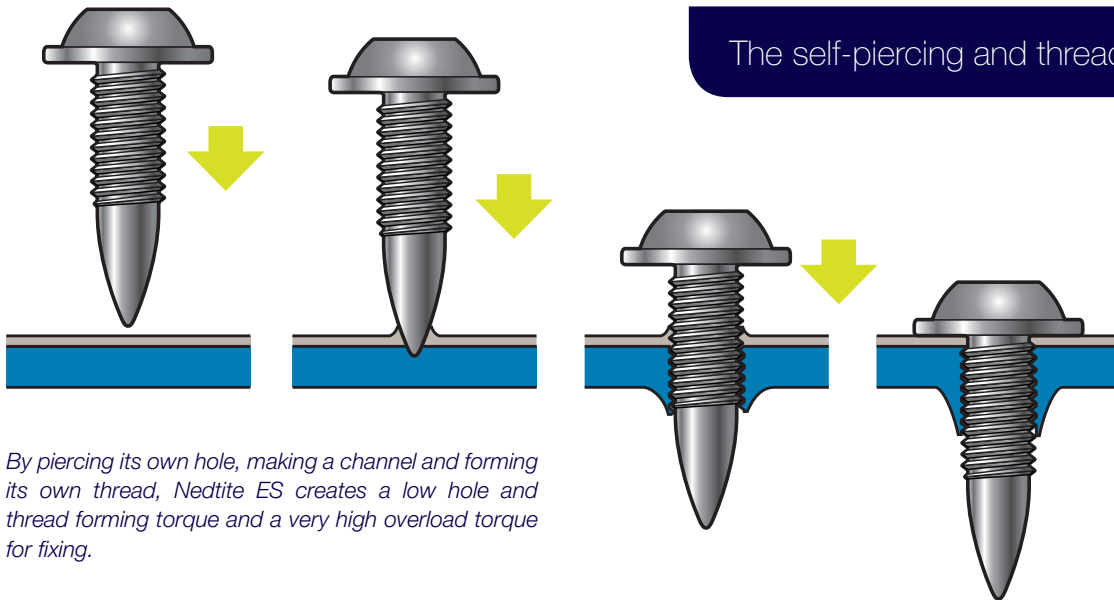
Besides a broad selection of standard solutions, Nedschroef offers the integrated production, design and systems engineering capacity required to create bespoke solutions for even the most specific, demanding requirements at an attractive price point. Our engineers are ready to work together with you to create the ideal solution for your own application...

*For more information: [www.nedschroef.com](http://www.nedschroef.com)*

 **NEDSCHROEF**

one step ahead...

## The self-piercing and threadforming screw



By piercing its own hole, making a channel and forming its own thread, Nedtite ES creates a low hole and thread forming torque and a very high overload torque for fixing.

### Dimensions

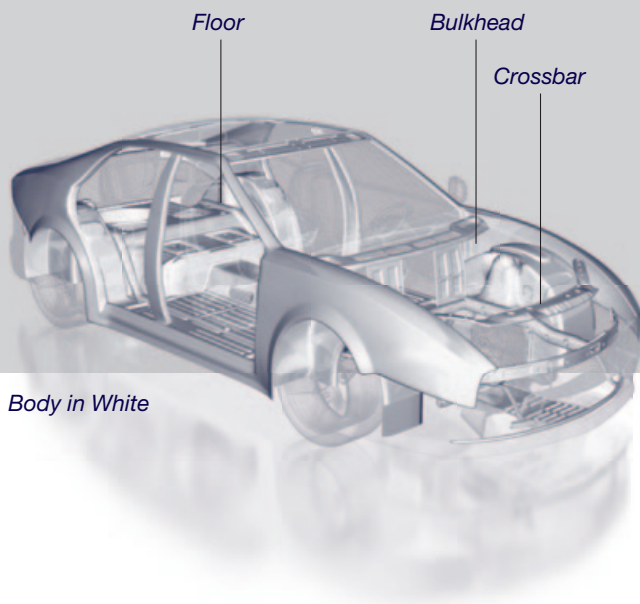
- Generally used with a 4mm - 6mm thread diameter.
- Screw length without head is normally 14mm - 22mm, according to sheet metal thicknesses.
- All normal materials for screws can be used, depending on the application and customer.

### Properties

- Connect sheet metal with retightening screw
- Penetrates steel sheets up to 1.8 mm up to 600MPa tensile strength, aluminum sheets up to 4,5mm (others on demand)
- Optimized thread at last pitches
- High-profile automotive applications
- 'Body in white' applications
- For different alloys, materials, sheet metals
- Very low thread forming torque
- High overload torque

### Advantages

- No need for drilling!
- Neat connections
- Extremely reliable and durable
- Optimised connection with customers sheet metals
- Coating can be optimised for post-fitting
- Very fast connecting system



Body in White

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