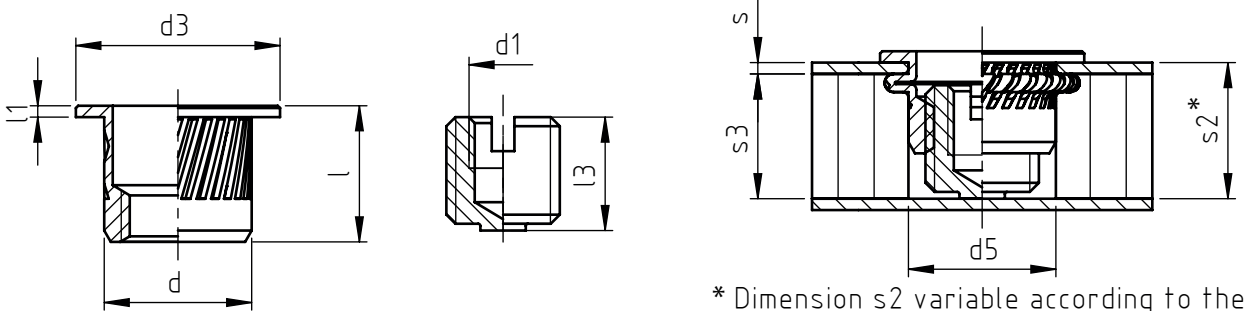


Application: on sandwich panel.
Assembly: by manual or pneumatic tools.



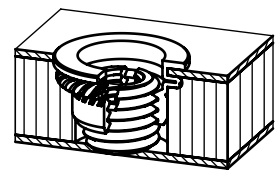
code	d1 6H	s skin thickness	s3 min.	s2 *	l3	l	d	d3	l1	d5 +0,15/0	
TC/CM08XZI-M6/10X	M 6	0,5 ÷ 2,0	13,5	13,5	10	14,8	11	14	1,3	11	
TC/CM08XZI-M6/15X				18							15
TC/AM08XZI-M6/15X	M 6	0,5 ÷ 3,5	15,7	19	15	17	11	14	1,3	11	
TC/AM08XZI-M6/20X				24							20
TC/AM08XZI-M6/25X				29							25
TC/BM08XZI-M6/15X	M6	3,0 ÷ 6,0	18,2	21	15	19,5	11	14	1,3	11	
TC/BM08XZI-M6/20X				26							20
TC/BM08XZI-M6/25X				31							25
TC/DM10XZI-M6/10X	M6	0,5 ÷ 2,0	11	14	10	12	13	18	1	13	
TC/DM10XZI-M6/15X				19							15
TC/DM10XZI-M6/20X				24							20
TC/AM10XZI-M6/15X	M6	0,5 ÷ 3,5	19,5	19,5	15	21	13	16	1,5	13	
TC/AM10XZI-M6/20X				24,5							20
TC/BM10XZI-M6/15X	M6	3,0 ÷ 6,0	22	22	15	23,5	13	16	1,5	13	
TC/BM10XZI-M6/20X				27							20
TC/DM12XZI-M8/15X	M8	0,5 ÷ 2,0	17	18	15	18,5	15	18	1,5	15	
TC/DM12XZI-M8/20X				23							20
TC/AM12XZI-M8/20X	M8	0,5 ÷ 3,5	23	24	20	25	15	18	2	15	
TC/AM12XZI-M8/25X				29							25
TC/BM12XZI-M8/20X	M8	3,0 ÷ 6,5	26	26	20	28	15	18	2	15	
TC/BM12XZI-M8/25X				31							25

Indicative dimensions, not binding, expressed in mm.
Other shapes and threads are available on demand, for more information please contact Specialinsert technical department.
For an optimal use of the product is recommended to perform some tests in order to figure out the proper type of adhesive and positioning of the adjusting bush.

Standard
 On demand
 Not produced

Material: stainless steel nr. 1.4305
Finishing: natural state
Tolerances: if not specified, tolerances according to ISO 2768-m.
Thread: metrical ISO 6 H

Code example: tubular knurled threaded insert
for sandwich panels with thicknesses (s2) of 18,5mm and
skin thicknesses of 1,5 mm, thread M 6, hole \varnothing 13mm,
stainless steel material:



TC/DM10XZI-M6/15X

WHAT IS IT FOR

The Deform-nut SC/1 is used to create threaded seats on sandwich panel materials (with honeycomb or composite internal structure).

ADVANTAGES

In order to create threaded seats on sandwich panel materials often are used expensive or complex solutions such as resin potting or bonding of bushes and tie rods.

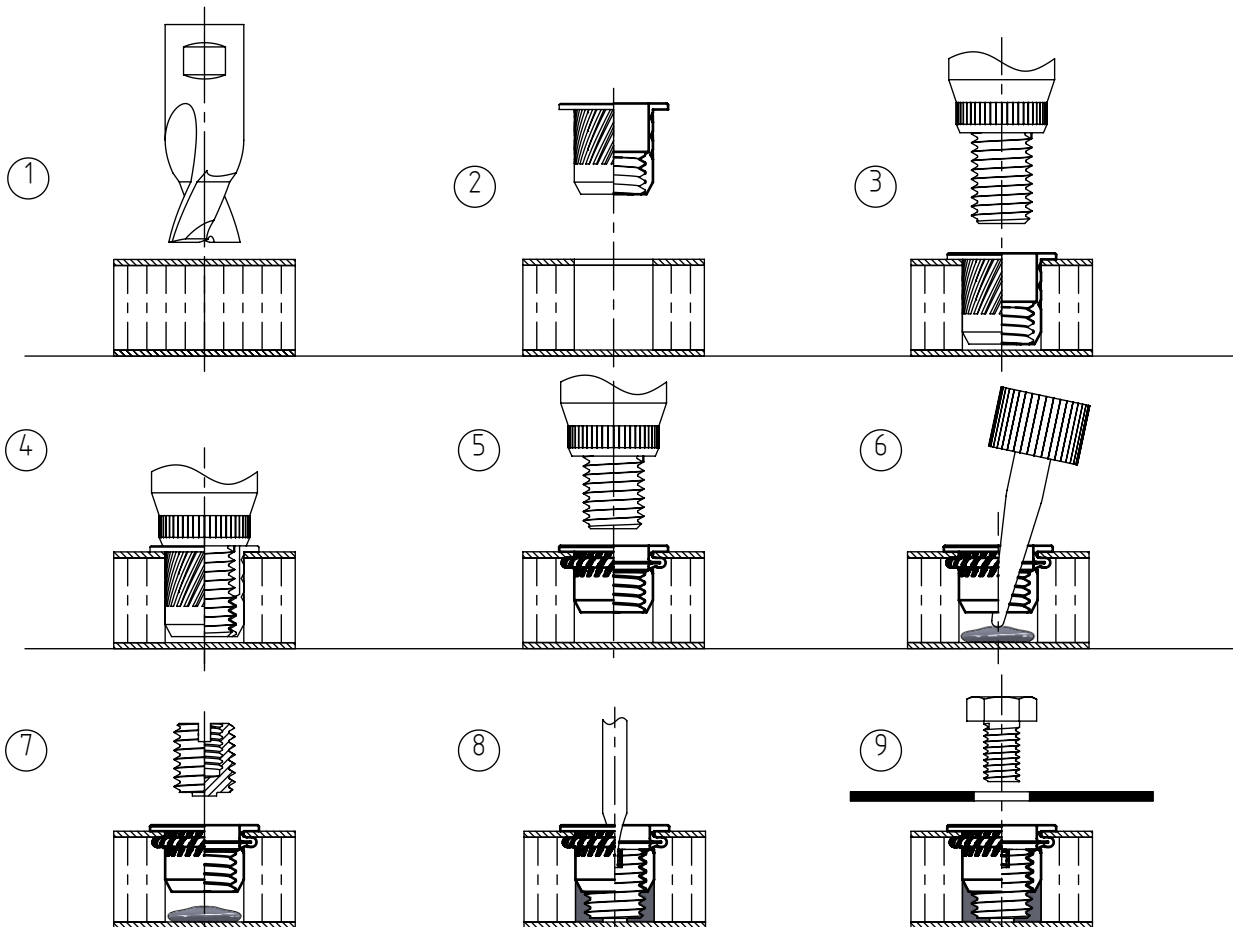
With the Deform-nut SC/1 you have some important advantages:

- The Deform-nut SC/1 allows you to use the same type of product also for a wide range of thickness of sandwich panel materials.
- The deformation of the insert ensures an immediate mechanical fastening without the delay for the drying of resins and adhesives.
- The Deform-nut SC/1 is easy and quick to install, it doesn't require specialized personnel and no further processes (injection of resin) or finishing.
- The Deform-nut SC/1 can be used for any composite material panel, resins, carbon fiber, light alloy, and more.
- The installation can be also made using automatic or pneumatic tools.

HOW IS IT INSTALLED

Choose the tubular rivet and the threaded adjustingbush according to the technical features of the application: thread size, panel thickness (skin and inside material), etc.

- 1) Drill the correct hole from one side of the panel (blind hole) in order to receive the tubular rivet and threaded adjusting bush.
- 2) Insert the tubular rivet inside the hole
- 3) Insert the spindle of the deformation tool inside the tubular rivet
- 4) Activate the tool in order to deform the tubular rivet, which therefore will be clamped on the skin of the sandwich panel.
- 5) Unscrew the tool from the deformed tubular rivet.
- 6) Inject the structural adhesive inside the tubular rivet
- 7) Insert the threaded adjusting bush inside the tubular insert
- 8) Using a tool, screw the adjusting bush until it reaches the skin on the other side of the sandwich panel
- 9) Withdraw the tool and use the anchoring threaded obtained for the assembly of the detail as required.



SPECIAL INSERT, COMPANY, USE OF CONTINUOUSLY IMPROVED P.F. PRODUCTS. IT RESERVES THE RIGHT TO CHANGE THEIR TECHNICAL AND STRUCTURAL CHARACTERISTICS WITHOUT PRIOR NOTICE. THE INFORMATION CONTAINED IN THESE DOCUMENTS, AS WELL AS ITS DISTRIBUTION TO THIRD PARTIES, ARE FORBIDDEN, UNLESS OTHERWISE EXPRESSLY AUTHORIZED BY SPECIAL INSERT.