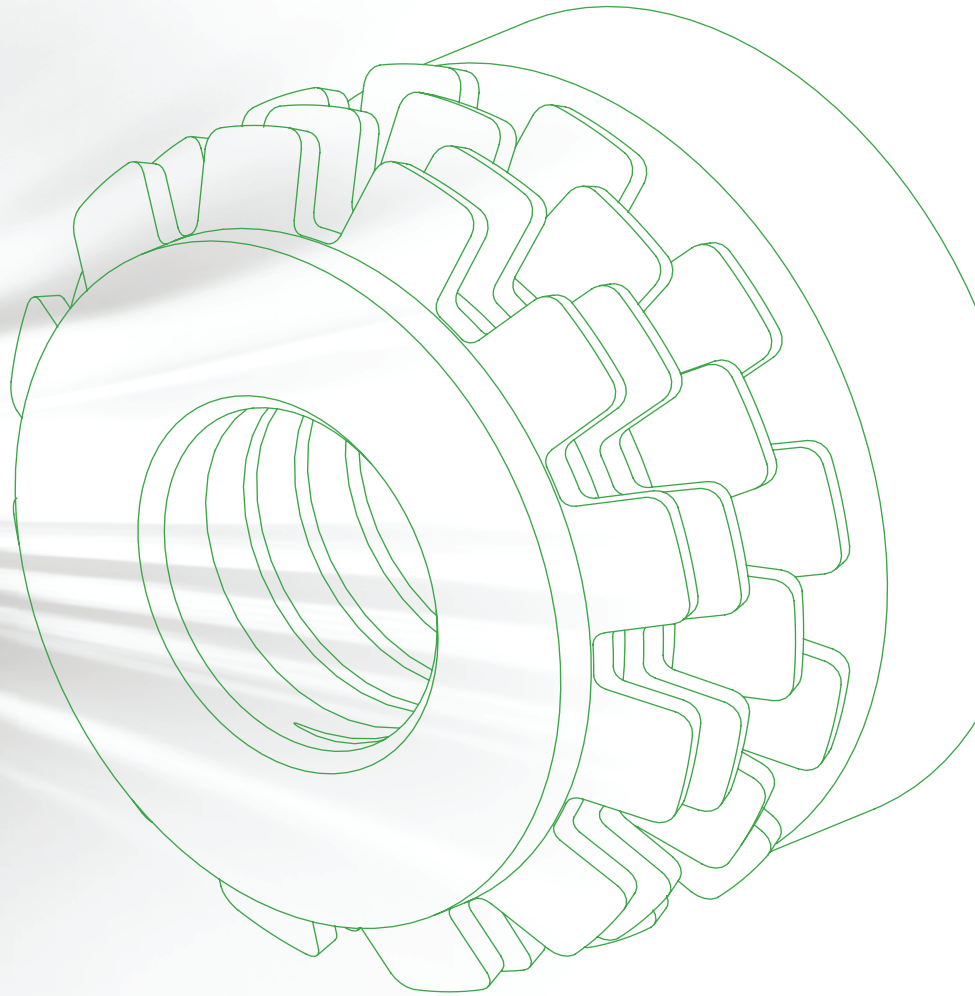




KEEP-NUT[®]

PRESS IN SELF-ANCHORING THREADED INSERTS

By **specialinsert**[™]



KEEP-NUT™ SERIE IM

S E R I E S

PRESS IN SELF-ANCHORING THREADED INSERTS

APPLICATION

Undermount sinks, ventilated facades, wall-coverings, décor and interiors, furniture, kitchen and sanitary elements, funerary art, etc. Marble, granite and stone materials, furniture, kitchen and sanitary elements, funerary art, etc. Marble, granite and stone materials as well as on composites, carbon, Corian®, HPL, glass and other compact materials.

ASSEMBLY

By pressure.

KEEP-NUT™ is a revolutionary press-in insert with mechanical anchoring to create a threaded attachment on panels made of marble, granite or other stone materials, as well as on composite, Corian®, HPL, glass and other compact materials.

KEEP-NUT™ anchors are made of stainless steel and consist of a threaded bushing with a set of flexible metal spines and a plastic ring for retaining the complete assembly.



KEEP-NUT™ 11.8 1/2 Gas CNC set up info:

- Hole Diameter 12mm (+/- .2mm)
- Bit Diameter 11.8 mm
- Depth: 6.5mm (.26")
- RPM 3500
- Feed rate 1.5 in./min.
- Anchor placement:
-approx. 2" from cut out on center)

SERIES IM (Flat head)

CODE	Min. thicknesses	Thread	Thread length	Hole diameter	Hole depth	Crowns number	Average assembly press-in force*	Average pull-out strenght *
	(S)**	(d1)***	(h1)	(d2) + 0,2/-0,2	(l2) + 1,0/-0,0		(kN)	(kN)
IM1S/_/_/H5	8	M 4 M 5 M 6	4,5	12	5,5	1	0,2	0,9
IM2S/_/_/H6	8,5	M 4 M 5 M 6	5,5	12	6,5	2	0,4	2,5
IM4S/_/_/H8.5	11	M 4 M 5 M 6	7,5	12	9	4	1	3,5
IM4S/_/_/H15	17,5	M 6	14	12	15,5	4	1	4,2

SERIES IM (with flange)

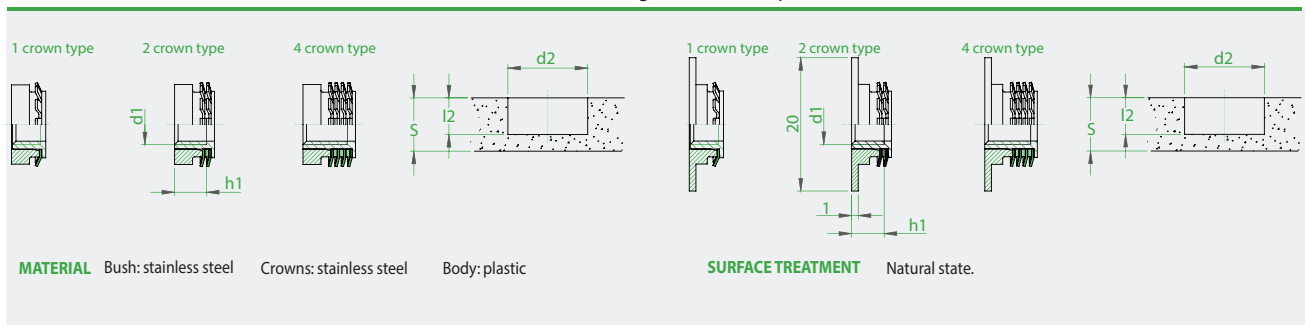
CODICE CODE	Min. thicknesses	Thread	Thread length	Hole diameter	Hole depth	Crowns number	Average assembly press-in force*	Average pull-out strenght *
	(S)**	(d1)***	(h1)	(d2) + 0,2/-0,2	(l2) + 1,0/-0,0		(kN)	(kN)
IM1T/_/_/H5	7	M 4 M 5 M 6	4,5	12	4,5	1	0,2	0,5
IM2T/_/_/H6	7,5	M 4 M 5 M 6	5,5	12	5,5	2	0,4	1,7
IM4T/_/_/H8.5	10	M 4 M 5 M 6	7,5	12	8	4	1	2,9

* Values reported above are indicative and not binding as results from laboratory tests that might not be repeatable in different conditions.

** "S" value is variable and related to the characteristics of the receiving material. It is recommended to perform assembly test to define the correct value.

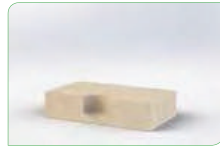
*** Reference to be completed by thread d1.

Other thread sizes and materials available on demand
Non binding dimensions, expressed in mm.



ADVANTAGES

1 Cylindrical hole easy to be drilled, also executable work in progress with standard tools.



2 Quick assembly by pressure.



3 No needs for resins or adhesives.



4 Allows an internal assembly without any external dimensions, facilitating the handling and storage of the panels.



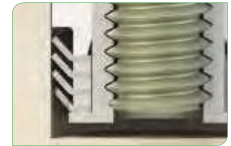
5 No tensile force on the receiving material when the insert is not pulled-out.



6 On use, the elastic crowns are solicited by an axial force, acting radially against the hole walls due to the bending and pressure, avoiding the leakage of the system.



7 The "not through" threading of the internal bush, assures fastening without the extraction effect due to the possible exceeding length of the screw.



KEEP-NUT® ASSEMBLY BY PRESSURE



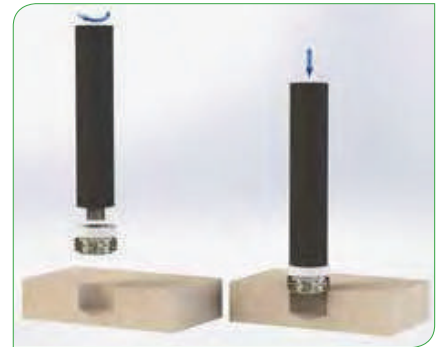
1

Prepare the hole in the receiving material.



2

Check the correct hole size with the Go/No Go gauge. On the Go side of the gauge there are reference marks to check the correct hole depth.



3

For a correct installation screw completely the insert on the threaded mandrel. Execute the installation by pressure.



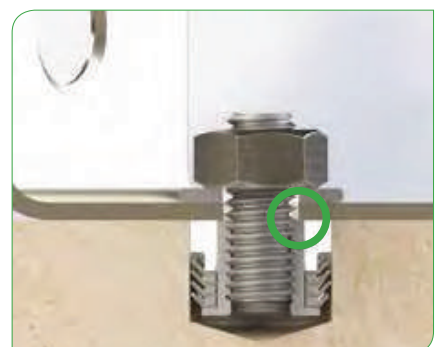
4

The insert is ready for the assembling.



5

The insert is structurally fastened and assembled.

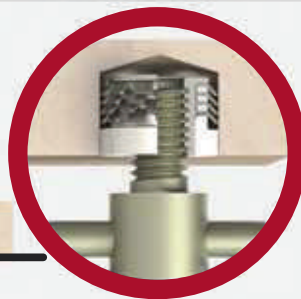


For a proper assembly it is recommended to screw the pin on the total length of the useful thread and that the element to be fixed is in contact with the internal metal bush of the insert Keep-Nut®.

APPLICATIONS



Chem-Set™
KEEP-NUT™



Can support up to 562 lbs per anchor

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Drawings and graphical representations are made solely to illustrate the product and are purely indicative. Therefore data can differ from what is shown in relation to the type of application and material used.