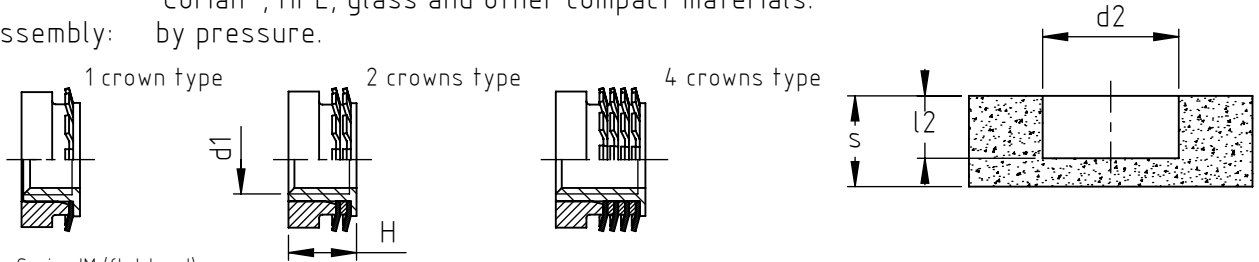
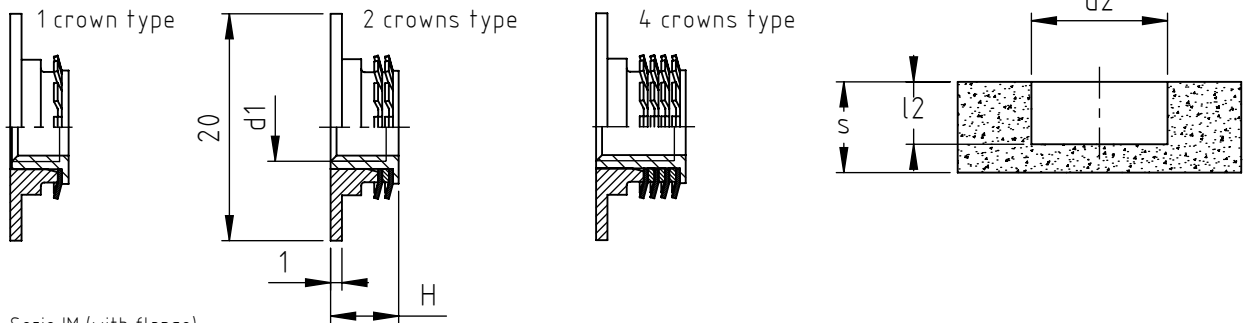


Application: marble, granite and stone materials, as well as on composites, carbon, Corian®, HPL, glass and other compact materials.  
Assembly: by pressure.



Series IM (flat head)

code <sup>2)</sup>	thread <sup>3)</sup> d1	min. thicknesses S	insert length H	hole diameter <sup>4)</sup> d2 +0,2/-0,2	hole depth <sup>4)</sup> l2 +1,0/-0,0	number of crowns	average assembly press-in force <sup>1)</sup> kN	average pull-out strength <sup>1)</sup> kN
IM1S/___/H5	M4	8	5	12	5,5	1	0,2	0,9
	M5							
	M6							
IM2S/___/H6	M4	8,5	6	12	6,5	2	0,4	2,5
	M5							
	M6							
IM4S/___/H8.5	M4	11	8	12	8,5	4	1	3,5
	M5							
	M6							
IM4S/___/H15	M6	17,5	14,5	12	15,5	4	1	4,2



Serie IM (with flange)

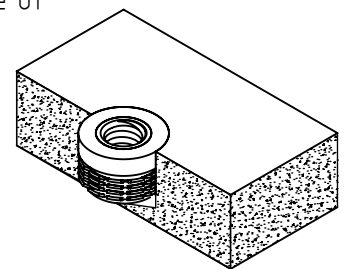
code <sup>2)</sup>	thread <sup>3)</sup> d1	min. thicknesses S	insert length H	hole diameter <sup>4)</sup> d2 +0,2/-0,2	hole depth <sup>4)</sup> l2 +1,0/-0,0	number of crowns	average assembly press-in force <sup>1)</sup> kN	average pull-out strength <sup>1)</sup> kN
IM1T/___/H5	M4	7	5	12	4,5	1	0,2	0,5
	M5							
	M6							
IM2T/___/H6	M4	7,5	6	12	5,5	2	0,4	1,7
	M5							
	M6							
IM4T/___/H8.5	M4	10	8	12	8	4	1	2,9
	M5							
	M6							

Non binding dimensions, expressed in mm.

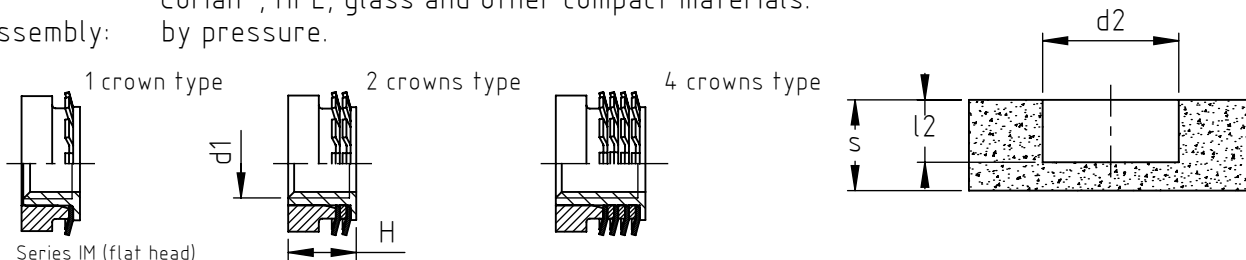
- 1) Values reported above are indicative and not binding as results from laboratory tests that might not be repeatable in different conditions. It is recommended to perform assembly test to define the correct value.
- 2) Reference to be completed by thread d1.
- 3) "No go" thread to avoid the bush extraction effect or breakage of panel caused by inappropriate screw length.
- 4) The proper use of the product is achieved by using our TKN gauge tool.

Standard  On demand

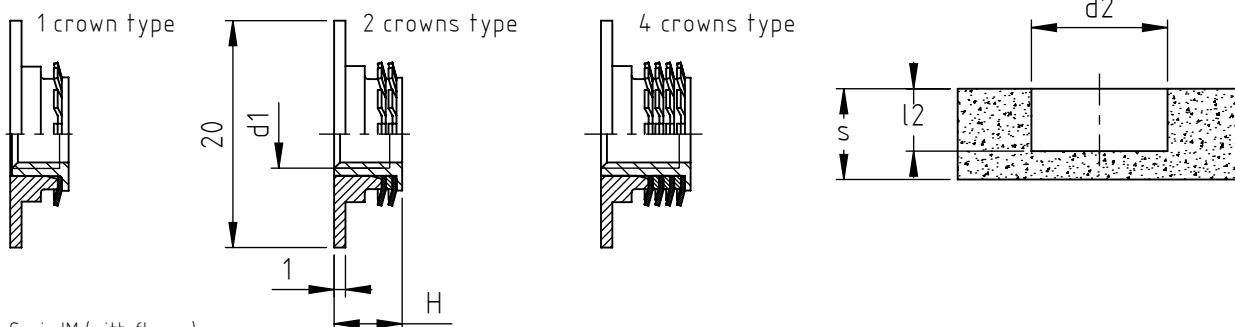
Material: bush: stainless steel      Finishing: natural  
 crowns: stainless steel  
 body: white color plastic



Application: marble, granite and stone materials, as well as on composites, carbon, Corian®, HPL, glass and other compact materials.  
 Assembly: by pressure.



code <sup>2)</sup>	thread <sup>3)</sup> d1	min. thicknesses S	insert length H	hole diameter <sup>4)</sup> d2 +0,2/-0,2	hole depth <sup>4)</sup> l2 +1,0/-0,0	number of crowns	average assembly press-in <sup>1)</sup> force kN	average pull-out strength <sup>1)</sup> kN
IM1S/P___/H5	10-24	8	5	12	5,5	1	0,2	0,9
	1/4"-20							
IM2S/P___/H6	10-24	8,5	6	12	6,5	2	0,4	2,5
	1/4"-20							
IM4S/P___/H8.5	10-24	11	8	12	8,5	4	1	3,5
	1/4"-20							
IM4S/P___/H15	10-24	17,5	14,5	12	15,5	4	1	4,2
	1/4"-20							



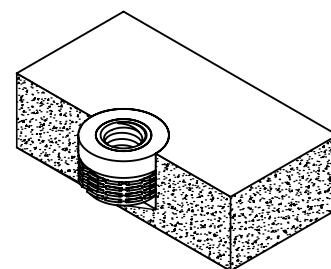
code <sup>2)</sup>	thread <sup>3)</sup> d1	min. thicknesses S	insert length H	hole diameter <sup>4)</sup> d2 +0,2/-0,2	hole depth <sup>4)</sup> l2 +1,0/-0,0	number of crowns	average assembly press-in <sup>1)</sup> force kN	average pull-out strength <sup>1)</sup> kN
IM1T/P___/H5	10-24	7	5	12	4,5	1	0,2	0,5
	1/4"-20							
IM2T/P___/H6	10-24	7,5	6	12	5,5	2	0,4	1,7
	1/4"-20							
IM4T/P___/H8.5	10-24	10	8	12	8	4	1	2,9
	1/4"-20							

Non binding dimensions, expressed in mm.

- Values reported above are indicative and not binding as results from laboratory tests that might not be repeatable in different conditions. It is recommended to perform assembly test to define the correct value.
- Reference to be completed by thread d1.
- "No go" thread to avoid the bush extraction effect or breakage of panel caused by inappropriate screw length.
- The proper use of the product is achieved by using our TKN gauge tool.

Standard                       On demand

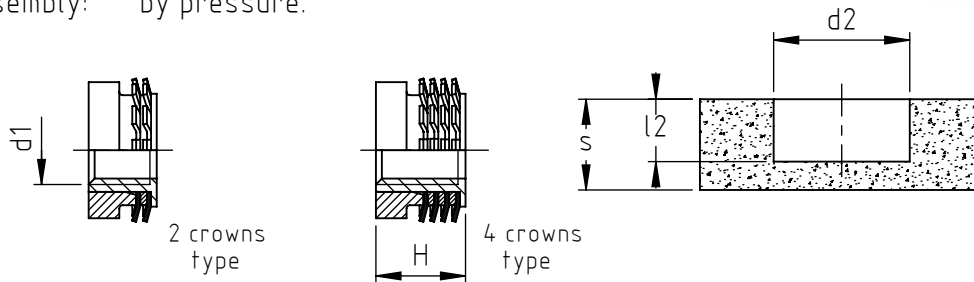
Material: bush: stainless steel                      Finishing: natural  
 crowns: stainless steel  
 body: gray color plastic



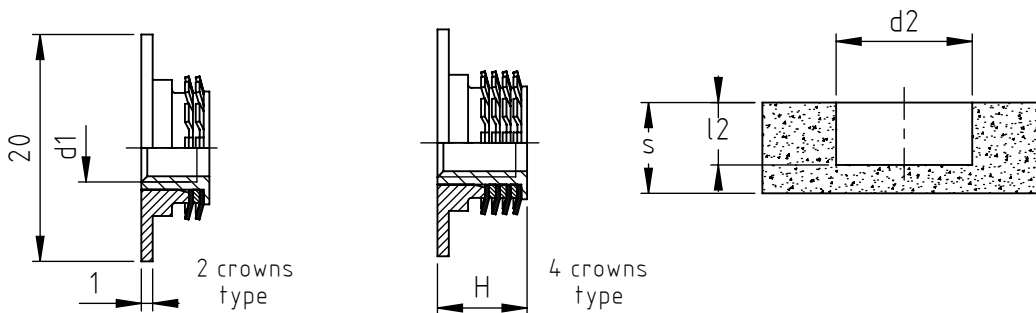
Application: marble, granite and stone materials,  
as well as on composites, carbon,  
Corian®, HPL, glass and other compact materials.  
Assembly: by pressure.



ETA 15/0615  
For gres porcelain  
(stoneware)



code **	thread ***d1	min. thicknesses S	insert height H	diameter hole d2 +0,2/-0,2	hole depth l2 +1,0/0	number crowns	average assembly press-in force * KN	average pull-out strenght * KN	certified pull-out on gres KN	certified shear on gres KN	CE	ETA
IM2S/___/H6/K	M4	9	6	12	6,5	2	0,4	2,5	1,5	1,6	✓	15/0615
	M5											
	M6											
IM4S/___/H8.5/K	M4	12	8	12	8,5	4	1	3,5	1,8	1,6	✓	15/0615
	M5											
	M6											



code **	thread ***d1	min. thicknesses S	insert height H	diameter hole d2 +0,2/-0,2	hole depth l2 +1,0/0	number crowns	average assembly press-in force * KN	average pull-out strenght * KN	certified pull-out on gres KN	certified shear on gres KN	CE	ETA
IM2T/___/H6/K	M4	9	6	12	5,5	2	0,4	1,7	1,5	1,6	✓	15/0615
	M5											
	M6											
IM4T/___/H8.5/K	M4	12	8	12	8	4	1	2,9	1,8	1,6	✓	15/0615
	M5											
	M6											

Non binding dimensions, expressed in mm.

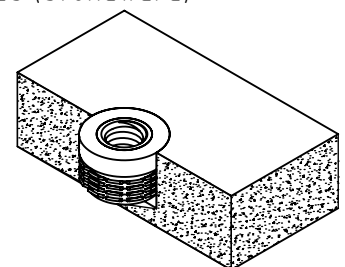
- \* Values reported above are indicative and not binding as results from laboratory tests that might not be repeatable in different conditions. It is recommended to perform ssembly test to define the correct value.
- \*\* Reference to be completed by thread d1.
- \*\*\* "No-go" thread to avoid the bush extraction effect or breakage of panel caused by inappropriate screw length.

Fasteners for the rear fixing of facade panels made of ceramic plates (stoneware) according to EN 14411:2012

ETA 15/0615 is downloadable at Specialinsert website

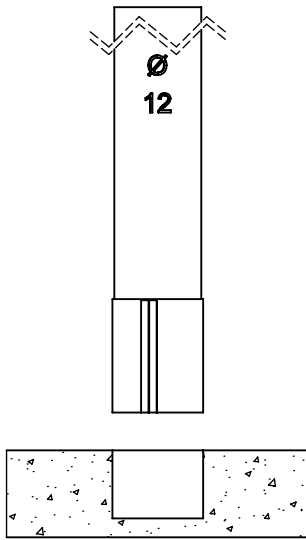
Standard On demand

Material: bush: stainless steel AISI316L Finishing: natural  
crowns: stainless steel AISI316L  
body: orange color plastic



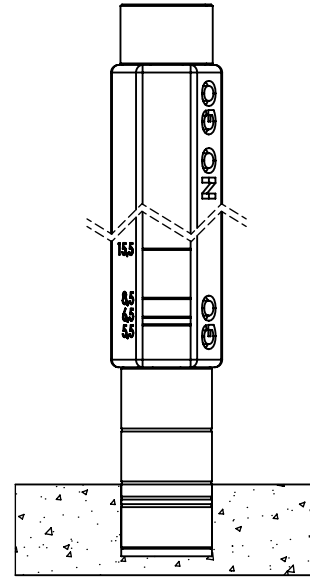
N.B. The use of the dedicate installation tools (pad and punch) is the basis for the proper functioning of the KEEP-NUT®. Specialinsert® cannot be held liable for improper installation.

Prepare the hole in the receiving material.

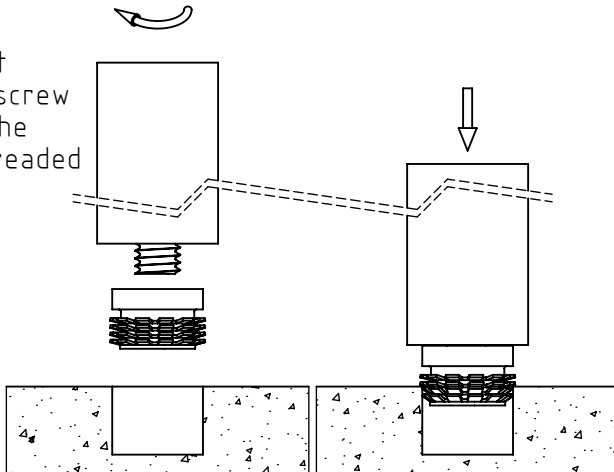


Check the correct hole size with the GO/NO GO gauge. On the GO side of the gauge there are reference marks to check the correct hole depth.

GAUGE SERIES:  
TKN12-IM\_S  
TKN12-IM\_T



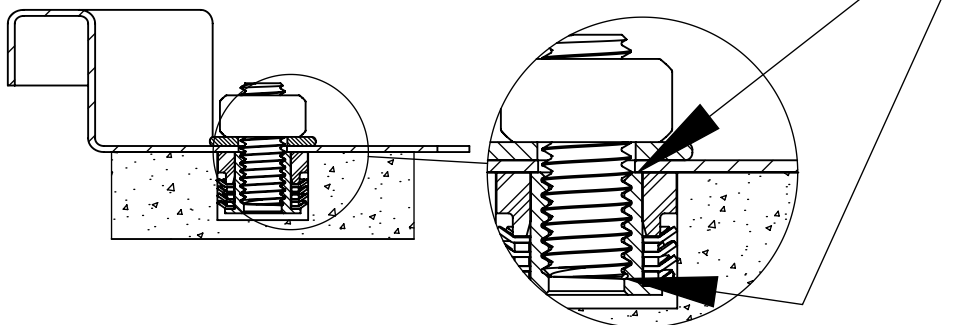
For a correct installation screw completely the insert on threaded mandrel.



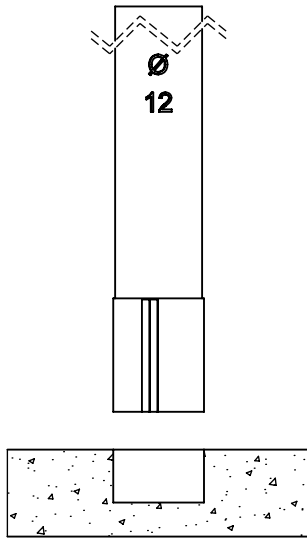
The insert is ready for the assembling.

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®

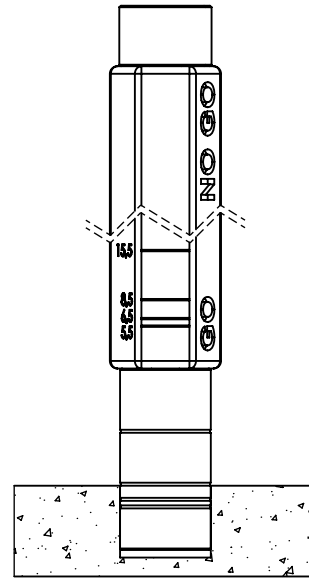


Prepare the hole in the receiving material.



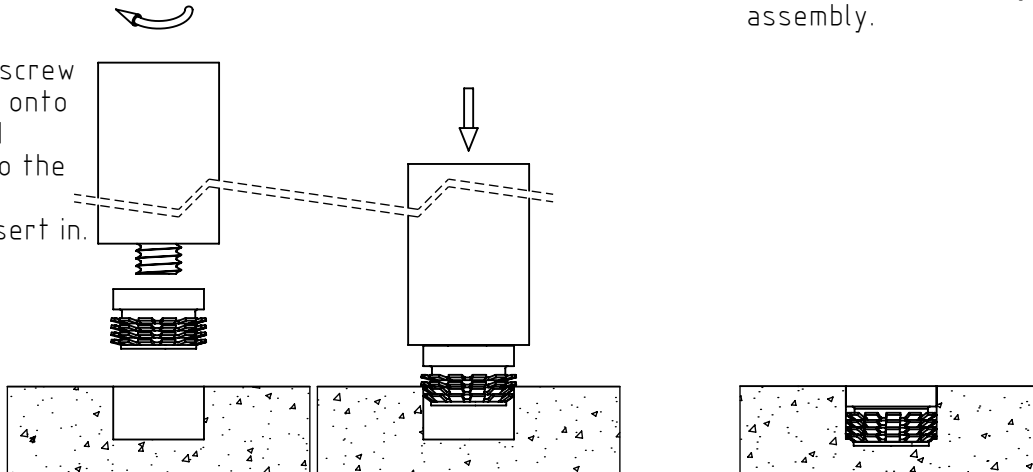
Check the correct hole size with the GO/NO GO gauge. On the GO side of the gauge there are reference marks to check the correct hole depth.

GAUGE SERIES:  
TKN12-IM\_S  
TKN12-IM\_T



Mounted insert ready for assembly.

For correct installation, screw the IM insert onto the threaded mandrel up to the stop. Press the insert in.



The insert is structurally fastened and assembled.

For correct application it is recommended that the stud is screwed over the entire useful thread length and that the element to be fastened is in contact with the metal bush of the Keep-Nut® insert.

