IN-CO   **IN-HE**   **IN-SI**   **INPISANIN**   **INPINZANI**

CHARACTERISTICS

- Anchor for hollow elements as airbrick, dry wall, plaster wall, etc.
- Maximum load in thin walls due to its expansion design.
- Versions with Ph slotted recess screw, hexagonal head screw and without screw.
- Easy, fast and controlled installation. Requires a special tool.
- Previous installation or thought out the material to be fixed.
- Available special pliers to use in difficult accessibility places.
- After Installation screw can be replaced with another same metric size screw.

BASE MATERIAL

USE EXAMPLES

Examples: Fixing air conditioning systems, television devices, frames, furniture, etc.

1. RANGE

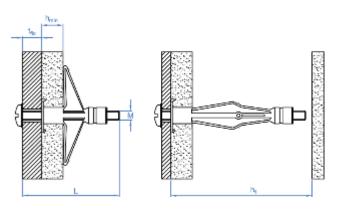| ITEM	CODE	PHOTO	ITEMS	MEASURES [mm]	COVERING
1	IN-CO		Bolt Sleeve	M4, M5 & M6	
2	IN-HE		Bolt Sleeve	M8	
3	IN-SI		Sleeve	M4, M5, M6 & M8	
4	INPISANIN		Body Handle	M4, M5, M6 & M8	---
5	INPINZANI		Body Handle	M4, M5 & M6	---

2. INSTALLATION DATA

All the data needed in order to do a proper installation of the product is detailed as follows. Base material thickness ranges are specified, depending on the value of this field, the maximum fixture thickness may vary. Example: for INCO565, when hmin = 20 mm, the maximum fixture thickness will be 35 mm. These values may change depending on the length of the screw for INSIXXX. To have a correct installation h1 > L.

CODE			Bolt metric M [mm]	Ø Drillbit d_0 [mm]	Bolt length* L [mm]	Base Material Thickness h_{min} [mm]	Maximum fixture thickness t_{fix} [mm]
Ph slotted recess Bolt	Hexagonal head Bolt	Sleeve only					
INCO421	---	INSI421	M4	8	30	1 ÷ 5	17 - h_{min}
INCO432	---	INSI432			41	3 ÷ 10	22 - h_{min}
INCO438	---	INSI438			47	9 ÷ 16	30 - h_{min}
INCO446	---	INSI446			53	15 ÷ 22	33 - h_{min}
INCO459	---	INSI459			67	31 ÷ 36	52 - h_{min}
INCO537	---	INSI537	M5	10	46	5 ÷ 14	26 - h_{min}
INCO552	---	INSI552			59	6 ÷ 18	42 - h_{min}
INCO565	---	INSI565			72	16 ÷ 33	55 - h_{min}
INCO580	---	INSI580			89	33 ÷ 46	61 - h_{min}
---	---	INSI619	M6	12	-	1 ÷ 2	2 - h_{min}
INCO637	---	INSI637			46	5 ÷ 13	25 - h_{min}
INCO652	---	INSI652			59	6 ÷ 17	38 - h_{min}
INCO665	---	INSI665			72	14 ÷ 32	49 - h_{min}
INCO680	---	INSI680			89	34 ÷ 46	78 - h_{min}
	INHE837	---	M8	14	45	5 ÷ 13	25 - h_{min}
---	INHE855	INSI855			60	6 ÷ 18	36 - h_{min}
---	INHE865	INSI865			73	17 ÷ 33	47 - h_{min}

DRAWING

(*) Bolt is not included for INSI version

(**) t_{fix} may change depending on the base material thickness in every case.

3. PRODUCT INSTALLATION

3.1 PREVIOUS INSTALLATION

1. DRILL
Drill base material to the specified diameter. Do not use hammer drill option.

2. INSERT
Insert the bolt with the hand until it is fully attached to the base material.

Hammer can be used if necessary.

Place the bolt into the installation gun. Push the trigger until the anchor is fully expanded.

Remove the gun and unthread the bolt.

3. FIXING THE OBJECT
Place the material to be fixed.

Introduce the bolt and fasten it.

In case of difficult access materials special installation gun (INPINZANI) is recommended instead of normal gun (INPISANIN).
In case of using non screw anchor (INSI) the minimum length of the screw to be used must fit the table described in part 2.

4. MAXIMUM RECOMMENDED LOADS

The maximum recommended tension loads for pull-out in the indicated material, for an isolated fixing point (without spacing and edge distance effects) are specified in the following table. The data contained in it are valid for every product* of the technical datasheet:

SIZE	MAXIMUM RECOMMENDED LOADS [kg]									
	Drywall thickness / plaster									
	9,5 mm		12,5 mm		2 x 12,5 mm		15 mm		2 x 15 mm	
	N_{rec}	V_{rec}	N_{rec}	V_{rec}	N_{rec}	V_{rec}	N_{rec}	V_{rec}	N_{rec}	V_{rec}
M4	11,7	26,6	17,8	27,3	29,5	41,5	26,6	50,6	29,1	67,4
M5	14,6	28,0	22,2	42,2	32,8	55,4	37,9	67,0	67,0	91,8
M6	9,8	29,5	21,5	41,2	31,3	75,4	29,5	69,9	57,5	122,4
M8	12,0	32,0	25,9	42,2	41,2	83,0	34,6	54,3	68,1	153,3