

TECHNICAL DATASHEET

4tec^x (Hollewandanker Verzinkt)

4tec^x article numbers:

4050002100, 4050002108, 4050002116, 4050002124, 4050002132, 4050002200, 4050002208, 4050002216, 4050002224, 4050002232, 4050002300, 4050002308



Hollewandanker
Verzinkt



IN-HE



Hollewandanker
Verzinkt zonder
schroef



Installatietang Pro



Installatietang

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.

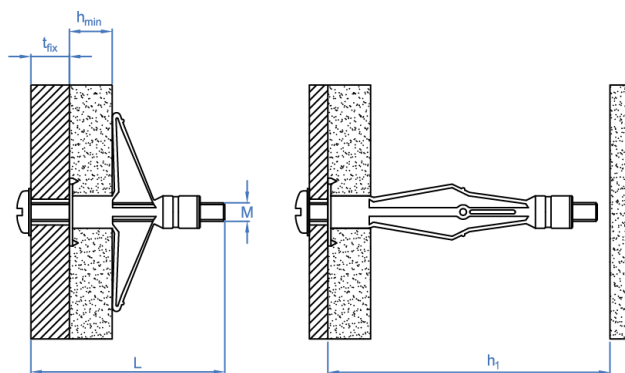
1. RANGE AND ACCESORIES

CODE	PHOTO	ITEM	MATERIAL
IN-CO Hollewandanker Verzinkt		Bolt Sleeve	Zinc plated steel ISO 4042 $\geq 5 \mu\text{m}$ Zinc plated steel ISO 4042 $\geq 5 \mu\text{m}$
IN-HE		Bolt Sleeve	Zinc plated steel ISO 4042 $\geq 5 \mu\text{m}$ Zinc plated steel ISO 4042 $\geq 5 \mu\text{m}$
IN-SI Hollewandanker Verzinkt zonder schroef		Sleeve	Zinc plated steel ISO 4042 $\geq 5 \mu\text{m}$
INPISANIN Installatietang Pro		Body Handle	Steel Plastic covered steel For sizes M4, M5, M6, and M8
INPINZANI Installatietang		Body Handle	Steel Plastic covered steel For sizes M4, M5 and 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 $h_{\min} = 20$ mm, the maximum fixture thickness will be 35 mm. These values may change depending on the length of the screw for INSIXXX. Para una correcta instalación $h_1 > L$.

CODE			Bolt metric M [mm]	Ø Drillbit d_0 [mm]	Bolt length* L [mm]	CASE 1**	CASE 2
Ph slotted recess Bolt	Hexagonal head Bolt	Sleeve only				Base Material Thickness $h_{\min}$ [mm]	Maximum fixture thickness t_{fix} [mm]
INCO421	---	INSI421	M4	8	30	$1 \div 5$	$17 - h_{\min}$
INCO432	---	INSI432			41	$3 \div 10$	$22 - h_{\min}$
4050002100	---	4050002200			47	$9 \div 16$	$30 - h_{\min}$
INCO446	---	INSI446			53	$15 \div 22$	$33 - h_{\min}$
INCO459	---	INSI459			67	$31 \div 36$	$52 - h_{\min}$
4050002108	---	4050002208	M5	10	46	$5 \div 14$	$26 - h_{\min}$
4050002116	---	4050002216			59	$6 \div 18$	$42 - h_{\min}$
INCO565	---	INSI565			72	$16 \div 33$	$55 - h_{\min}$
INCO580	---	INSI580			89	$33 \div 46$	$61 - h_{\min}$
---	---	INSI619	M6	12	-	$1 \div 2$	$2 - h_{\min}$
4050002124	---	4050002224			46	$5 \div 13$	$25 - h_{\min}$
4050002132	---	4050002232			59	$6 \div 17$	$38 - h_{\min}$
INCO665	---	INSI665			72	$14 \div 32$	$49 - h_{\min}$
INCO680	---	INSI680			89	$34 \div 46$	$78 - h_{\min}$
---	INHE837	---	M8	14	45	$5 \div 13$	$25 - h_{\min}$
---	INHE855	INSI855			60	$6 \div 18$	$36 - h_{\min}$
---	INHE865	INSI865			73	$17 \div 33$	$47 - h_{\min}$

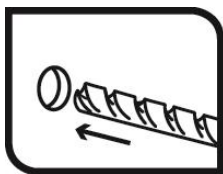


(*) Bolt is not included for INSI version

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

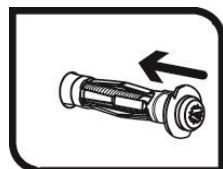
3. PRODUCT INSTALLATION

3.1. PREVIOUS INSTALLATION



1. DRILL

Drill base material to the specified diameter. Do not use hammerdrill option.

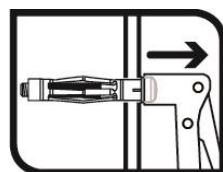


2. INSERT

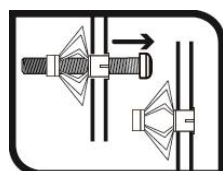
Insert the bolt with the hand until it is fully attached to the base material.



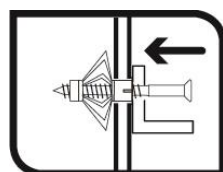
Hammer can be used if necessary.



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

CODE			Plasterboard panels						Plaster					
			e = 10 mm		e = 12.5 mm		e = 2x12.5 mm		e = 10 mm		e = 12.5 mm		e = 2x12.5 mm	
Ph slotted recess Bolt	Hexagonal head Bolt	Sleeve only	N _{rec}	V _{rec}	N _{rec}	V _{rec}	N _{rec}	V _{rec}	N _{rec}	V _{rec}	N _{rec}	V _{rec}	N _{rec}	V _{rec}
INCO421	---	INSI421	0.20	0.50	0.20	0.50	---	---	0.20	0.50	0.30	0.60	---	---
INCO432	---	INSI432	0.20	0.50	0.20	0.50	---	---	0.20	0.50	0.30	0.60	---	---
4050002100	---	4050002200	0.20	0.50	0.20	0.50	---	---	0.20	0.50	0.30	0.60	---	---
INCO446	---	INSI446	0.20	0.50	0.20	0.50	---	---	0.20	0.50	0.30	0.60	---	---
INCO459	---	INSI459	0.20	0.50	0.20	0.50	0.30	0.90	0.20	0.50	0.30	0.60	0.50	0.80
4050002108	---	4050002208	0.20	0.50	---	---	---	---	0.25	0.50	---	---	---	---
4050002116	---	4050002216	0.20	0.50	0.20	0.50	---	---	0.30	0.60	0.50	1.00	---	---
INCO565	---	INSI565	0.20	0.50	0.20	0.50	0.40	1.00	0.30	0.50	0.50	1.00	0.90	1.10
INCO580	---	INSI580	0.20	0.50	0.20	0.50	0.40	1.00	0.30	0.50	0.50	1.00	0.90	1.10
---	---	INSI619	0.15	0.40	---	---	---	---	0.20	0.50	---	---	---	---
4050002124	---	4050002224	0.15	0.40	---	---	---	---	0.20	0.50	---	---	---	---
4050002132	---	4050002232	0.20	0.50	0.20	0.50	---	---	0.25	0.80	0.30	1.00	---	---
INCO665	---	INSI665	0.20	0.50	0.20	0.50	0.30	0.90	0.25	0.80	0.30	1.00	0.80	1.80
INCO680	---	INSI680	0.20	0.75	0.20	0.75	0.30	0.90	0.25	0.80	0.30	1.00	0.80	1.80
---	INHE837	---	0.20	0.50	0.20	0.50	---	---	0.40	0.90	0.80	1.20	---	---
---	INHE855	INSI855	0.20	0.50	0.20	0.50	---	---	0.40	0.90	0.80	1.20	---	---
---	INHE865	INSI865	0.20	0.50	0.20	0.50	0.40	1.00	0.40	0.90	0.80	1.20	0.90	1.70

Notes:

- 1kN ≈ 100 kg
- Tension and Shear values must be considered separately.