

## CHARACTERISTICS

- Nylon plug with screw for fixing heavy-duty loads.
- Quick installation, assembly through material to be fixed, installed by hammering nylon plug and then threading the screw.
- Wide range of fixing lengths (from 60 mm to 230mm) and thicknesses.
- The nylon plug knots itself on expanding in hollow materials, making it especially suitable for hollow materials or when base material for fixing is unknown.
- High anchor mechanical resistance values.
- Available in zinc-plated screw or A4 Stainless, AISI 316. Variety of screw heads: countersunk, hexagonal and truss. Individual plug available.
- Version of cylindrical head plug.
- Suitable for a wide variety of base materials: concrete, Stone, solid brick, hollow brick, hollow block, etc.
- ETE-14/0467 European Approval, for use in concrete, aerated concrete, solid brick, hollow brick or concrete block.
- SIZES:  $\varnothing 8$  and  $\varnothing 10$

## APPLICATIONS

- Fixing window/door frames.
- Garage doors.
- Handrails.
- Façade restoration
- Ventilated façades
- For indoor and outdoor use.
- Fixing stone facing for facade cladding.

## BASE MATERIALS



## APPLICATION EXAMPLES



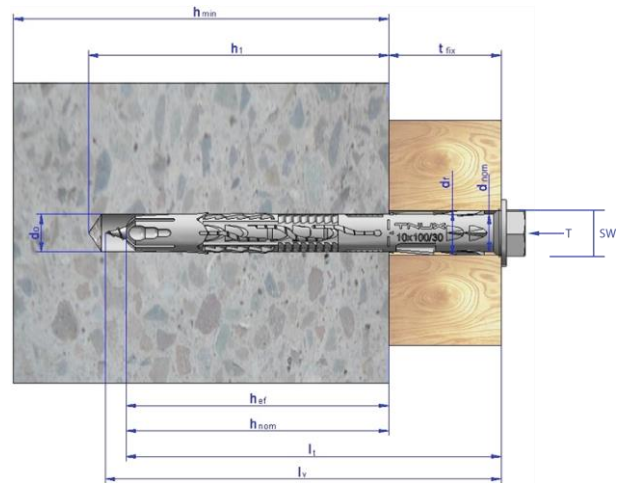
1. RANGE				
ITEM	CODE	PHOTO	COMPONENT	MATERIAL
1	TNUXA		Nylon plug	Polyamide 6
			Screw countersunk head	Zinc-plated steel
2	TNUXE		Nylon plug	Polyamide 6
			Screw hexagonal head	Zinc-plated steel
3	TNUXT		Nylon plug	Polyamide 6
			Screw truss head	Zinc-plated steel
4	TFUXE		Nylon plug cylindrical head	Polyamide 6
			Screw hexagonal head	Zinc-plated steel
5	TNXA4		Nylon plug	Polyamide 6
			Screw countersunk head	A4 Stainless steel, AISI 316
6	TNXEA4		Nylon plug	Polyamide 6
			Screw hexagonal head	A4 Stainless steel, AISI 316

## 2. INSTALLATION DATA

### T-NUX



nylon plug dimensions $d_0 \times l_t$	[mm]
screw dimensions M x l <sub>v</sub>	[mm]
installation wrench	SW / T
$d_0$ : drill hole diameter	[mm]
$d_f$ : drill hole diameter of the fixture	[mm]
$d_{nom}$ : anchor diameter	[mm]
$h_{ef} = h_{nom}$ : minimum effective embedment depth	[mm]
$h_1$ : minimum drill hole depth	[mm]
$h_{min}$ : base material minimum thickness	[mm]
$l_v$ : screw length	[mm]
$l_t$ : anchor length	[mm]
T: hexalobular Tx recess	
SW: nut key	



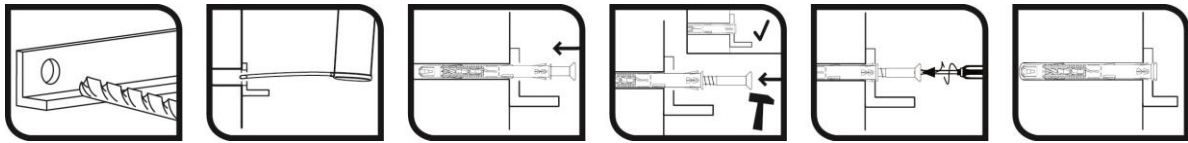
### Installation Data

CODE		$d_0 \times l_t$	M x l <sub>v</sub>	$d_0$	$d_{nom}$	$d_f$	$h_{ef} = h_{nom}$	$h_1$	$h_{min}$	$t_{fix}$	SW/T
TNUXA / TNUXE	08060*	8 x 60	6x66	8	8	8,5	50	70	100	10	SW10 / T30
TNUXA / TNUXE / TNXA4 / TNXE4	08080	8 x 80	6x86	8	8	8,5	70	90	100	10	
TNUXA / TNUXE / TNXA4 / TNXE4	08100	8 x 100	6x106							30	
TNUXA / TNUXE / TNXA4	08120	8 x 120	6x126							50	
TNUXA / TNUXE	10060*	10 x 60	7x66	10	10	10,5	50	70	100	10	SW13 / T40
TNUXA / TNUXE / TNUXT / TFUXE / TNXA4 / TNXE4	10080	10 x 80	7x86	10	10	10,5	70	90	100	10	
TNUXA / TNUXE / TNUXT / TFUXE / TNXA4 / TNXE4	10100	10 x 100	7x106							30	
TNUXA / TNUXE / TNUXT / TFUXE / TNXA4 / TNXE4	10120	10 x 120	7x126							50	
TNUXA / TNUXE / TNUXT / TFUXE / TNXA4 / TNXE4	10140	10 x 140	7x146							70	
TNUXA / TNUXE / TNUXT / TNXA4 / TNXE4	10160	10 x 160	7x166							90	
TNUXA / TNUXE	10180	10 x 180	7x186							110	
TNUXA / TNUXE	10200	10 x 200	7x206							130	
TNUXA / TNUXE	10230	10 x 230	7x236	160							

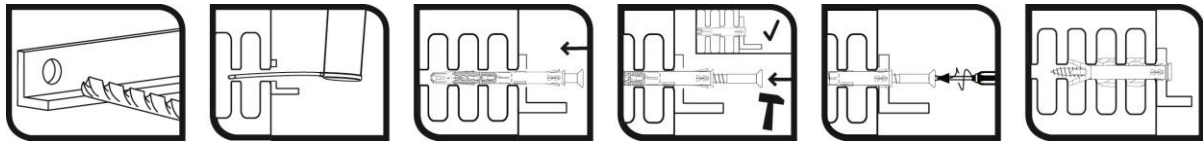
\*Not assessed sizes

**3. PRODUCT INSTALLATION**

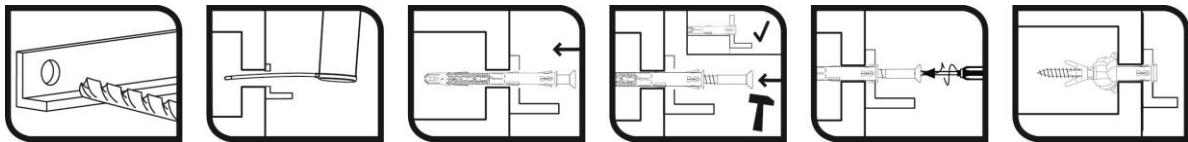
**IN SOLID MATERIAL**




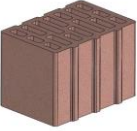
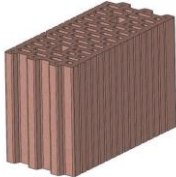
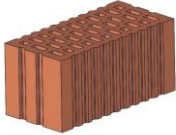
**IN HOLLOW BRICK**






**IN CONCRETE BLOCK**



- Drill to the diameter and depth specified in the table. In the case of hollow materials, use the drilling mode. Reduce drilling speed when it is sensed the drill bit is approaching the inside hollow of the base material.
- Clear drill hole of dust and fragments.
- Place material to be fixed.
- Insert and place plug through material to be fixed, setting the screw and hitting on the top of it until the plug head reaches the fixture.
- Tighten screw until screw head rests on material to be fixed in order to ensure the right expansion of the plug.

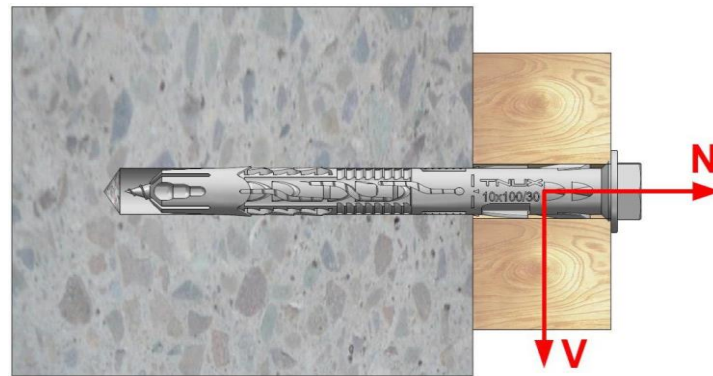
4. BASE MATERIAL					
MATERIAL	SIZE [mm]	FIGURE	DRILLING MODE	DENSITY $\rho$ [kg/m <sup>3</sup> ]	MINIMUM COMPRESSION RESISTANCE ( $f_b$ )
Concrete	--		Rotary + hammer	--	$\geq 16$ kN
Solid brick №1	Paving stone 200 x 100 x 50		Rotary + hammer	2060	30 N/mm <sup>2</sup>
Hollow brick №2	KS12-1.8-3DF, 240 x 175 x 113 mm		Rotary + hammer	1790	12 N/mm <sup>2</sup>
Hollow brick №3	KS12-1.4-3DF, 240 x 175 x 113 mm.		Rotary + hammer	1390	12 N/mm <sup>2</sup>
Hollow brick №4	Thermo clay 237 x 305 x 191		Rotary	855	12.5 N/mm <sup>2</sup>
Hollow brick №5	Planziegel-T16-365, 248 x 365 x 249 mm		Rotary	735	10 N/mm <sup>2</sup>
Hollow brick №6	Poroton S8-365, 248 x 365 x 249 mm		Rotary	720	10 N/mm <sup>2</sup>
Hollow brick №7	Poroton-FZ9-365 Objekt, 248 x 365 x 249 mm		Rotary	830	10 N/mm <sup>2</sup>
Hollow brick №8	Schallschutzziegel 373 x 175 x 249 mm		Rotary	1100	20 N/mm <sup>2</sup>
Hollow brick №9	Poroton-Kleinformat 2DF-0.9 240 x 115 x 113 mm		Rotary	855	12 N/mm <sup>2</sup>

MATERIAL	SIZE [mm]	FIGURE	DRILLING MODE	DENSITY $\rho$ [kg/m <sup>3</sup> ]	MINIMUM COMPRESION RESISTANCE ( $f_b$ )
Hollow brick N°10	Ceramic 237 x 110 x 100		Rotary + hammer	1025	20 N/mm <sup>2</sup>
Hollow brick N°11	Facebrick 240 x 115 x 50		Rotary	1025	20 N/mm <sup>2</sup>
Hollow brick N°12	Mediterranean 240 x 115 x 90		Rotary + hammer	1310	40 N/mm <sup>2</sup>
Hollow brick N°13	Gero Block 240 x 120 x 100		Rotary + hammer	1180	10 N/mm <sup>2</sup>
Hollow brick N°14	Block 390 x 190 x 190		Rotary	870	5 N/mm <sup>2</sup>
Hollow brick N°15	Airblock 491 x 241 x 190		Rotary	935	4 N/mm <sup>2</sup>
Hollow brick N°16	Poroton Deckenelnhängezegel h21 530 x 210 x 249 mm		Rotary	680	12 N/mm <sup>2</sup>
Aerated concrete AAC2	625 x 240 x 250		Rotary	360	2 N/mm <sup>2</sup>
Aerated concrete AAC6	625 x 240 x 250		Rotary	710	6 N/mm <sup>2</sup>

5. RESISTANCES

CHARACTERISTIC RESISTANCES [kN]

Characteristic resistance for an isolated anchor (without the effects of critical edge distance or critical anchor spacing) is that indicated in the following table:



MATERIAL	SIZE	FIGURE	CHARACTERISTIC RESISTANCE [kN]		Ø8		Ø10	
					Zn	Inox	Zn	Inox
Concrete	Resistance $\geq 16 \text{ N/mm}^2$		Tension (24/40°C)	$N_{Rk}$	3,5	3,5	5,0	5,0
			Tension (50/80°C)	$N_{Rk}$	3,5	3,5	4,5	4,5
			Shear	$V_{Rk}$	6,5	7,6	9,0	10,5
Solid brick Nº1	Paving stone 200 x 100 x 50		Tension	$N_{Rk}$	0,9		0,9	
			Shear	$V_{Rk}$				
Hollow brick Nº2	KS12-1.8-3DF, 240 x 175 x 113		Tension	$N_{Rk}$	2,0		2,5	
			Shear	$V_{Rk}$				
Hollow brick Nº3	KS12-1.4-3DF, 240 x 175 x 113		Tension	$N_{Rk}$	0,6		0,75	
			Shear	$V_{Rk}$				
Hollow brick Nº4	Thermo clay 237 x 305 x 191		Tension	$N_{Rk}$	0,75		0,5	
			Shear	$V_{Rk}$				
Hollow brick Nº5	Planziegel-T16-365, 248 x 365 x 249		Tension	$N_{Rk}$	-		0,5	
			Shear	$V_{Rk}$				
Hollow brick Nº6	Poroton S8-365, 248 x 365 x 249		Tension	$N_{Rk}$	1,5		1,5	
			Shear	$V_{Rk}$				
Hollow brick Nº7	Poroton-FZ9-365 Objekt, 248 x 365 x 249		Tension	$N_{Rk}$	2,0		2,0	
			Shear	$V_{Rk}$				
Hollow brick Nº8	Schallschutzziegel 373 x 175 x 249		Tension	$N_{Rk}$	0,9		0,6	
			Shear	$V_{Rk}$				

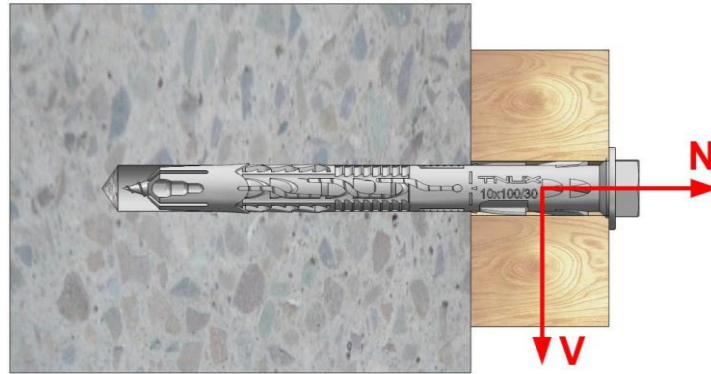
MATERIAL	SIZE	FIGURE	CHARACTERISTIC RESISTANCE [kN]		Ø8		Ø10	
					Zn	Inox	Zn	Inox
Hollow brick Nº9	Poroton-Kleinformat 2DF-0.9 240 x 115 x 113		Tension	$N_{Rk}$	-		0,4	
			Shear	$V_{Rk}$				
Hollow brick Nº10	Ceramic 237 x 110 x 100		Tension	$N_{Rk}$	0,3		0,5	
			Shear	$V_{Rk}$				
Hollow brick Nº11	Facebrick 240 x 115 x 50		Tension	$N_{Rk}$	0,5		0,9	
			Shear	$V_{Rk}$				
Hollow brick Nº12	Mediterranean 240 x 115 x 90		Tension	$N_{Rk}$	0,75		1,50	
			Shear	$V_{Rk}$				
Hollow brick Nº13	Gero Block 240 x 120 x 100		Tension	$N_{Rk}$	0,75		1,50	
			Shear	$V_{Rk}$				
Hollow brick Nº14	Block 390 x 190 x 190		Tension	$N_{Rk}$	1,50		1,50	
			Shear	$V_{Rk}$				
Hollow brick Nº15	Airblock 491 x 241 x 190		Tension	$N_{Rk}$	2,0		1,5	
			Shear	$V_{Rk}$				
Hollow brick Nº16	Poroton Deckenelhängezegel h21 530 x 210 x 249		Tension	$N_{Rk}$	0,3		0,6	
			Shear	$V_{Rk}$				
Aerated concrete AAC2	625 x 240 x 250		Tension	$N_{Rk}$	0,4		0,3	
			Shear	$V_{Rk}$	0,3		0,3	
Aerated concrete AAC6	625 x 240 x 250		Tension	$N_{Rk}$	0,9		0,9	
			Shear	$V_{Rk}$	1,5		1,2	

\*For sizes not included in the approval, multiply resistance values by 0.7.



**MAXIMUM LOADS RECOMMENDED [kN]**

Characteristic resistance for an isolated anchor (without the effects of critical edge distance or critical anchor spacing) is that indicated in the following table:



MATERIAL	SIZE	FIGURE	MAXIMUM LOADS RECOMMENDED [kN]		Ø8		Ø10	
					Zn	Inox	Zn	Inox
Concrete	Resistance $\geq 16$ N/mm <sup>2</sup>		Tension (24/40°C)	N <sub>rec</sub>	1,39	1,39	1,98	1,98
			Tension (50/80°C)	N <sub>rec</sub>	1,39	1,39	1,79	1,79
			Shear	V <sub>rec</sub>	2,58	3,02	3,57	4,17
Solid brick Nº1	Paving stone 200 x 100 x 50		Tension	N <sub>Rk</sub>	0,26		0,26	
			Shear	V <sub>Rk</sub>	0,26		0,26	
Hollow brick Nº2	KS12-1.8-3DF, 240 x 175 x 113		Tension	N <sub>Rk</sub>	0,57		0,71	
			Shear	V <sub>Rk</sub>	0,57		0,71	
Hollow brick Nº3	KS12-1.4-3DF, 240 x 175 x 113		Tension	N <sub>Rk</sub>	0,17		0,21	
			Shear	V <sub>Rk</sub>	0,17		0,21	
Hollow brick Nº4	Thermo clay 237 x 305 x 191		Tension	N <sub>Rk</sub>	0,21		0,14	
			Shear	V <sub>Rk</sub>	0,21		0,14	
Hollow brick Nº5	Planziegel-T16-365, 248 x 365 x 249		Tension	N <sub>Rk</sub>	-		0,14	
			Shear	V <sub>Rk</sub>	-		0,14	
Hollow brick Nº6	Poroton S8-365, 248 x 365 x 249		Tension	N <sub>Rk</sub>	0,43		0,43	
			Shear	V <sub>Rk</sub>	0,43		0,43	
Hollow brick Nº7	Poroton-FZ9-365 Objekt, 248 x 365 x 249		Tension	N <sub>Rk</sub>	0,57		0,57	
			Shear	V <sub>Rk</sub>	0,57		0,57	
Hollow brick Nº8	Schallschutzziegel 373 x 175 x 249		Tension	N <sub>Rk</sub>	0,26		0,17	
			Shear	V <sub>Rk</sub>	0,26		0,17	
Hollow brick Nº9	Poroton- Kleinformat 2DF- 0.9 240 x 115 x 113		Tension	N <sub>Rk</sub>	-		0,11	
			Shear	V <sub>Rk</sub>	-		0,11	
Hollow brick Nº10	Ceramic 237 x 110 x 100		Tension	N <sub>Rk</sub>	0,09		0,14	
			Shear	V <sub>Rk</sub>	0,09		0,14	
Hollow brick Nº11	Facebrick 240 x 115 x 50		Tension	N <sub>Rk</sub>	0,14		0,26	
			Shear	V <sub>Rk</sub>	0,14		0,26	

MATERIAL	SIZE	FIGURE	MAXIMUM LOADS RECOMMENDED [kN]		Ø8		Ø10	
					Zn	Inox	Zn	Inox
Hollow brick Nº12	Mediterranean 240 x 115 x 90		Tension	N <sub>rec</sub>	0,21	Inox	0,43	
			Shear	V <sub>rec</sub>				
Hollow brick Nº13	Gero Block 240 x 120 x 100		Tension	N <sub>rec</sub>	0,21	Inox	0,43	
			Shear	V <sub>rec</sub>				
Hollow brick Nº14	Block 390 x 190 x 190		Tension	N <sub>rec</sub>	0,43	Inox	0,43	
			Shear	V <sub>rec</sub>				
Hollow brick Nº15	Airblock 491 x 241 x 190		Tension	N <sub>rec</sub>	0,57	Inox	0,43	
			Shear	V <sub>rec</sub>				
Hollow brick Nº16	Poroton Deckeneinhängezegel h21 530 x 210 x 249		Tension	N <sub>Rk</sub>	0,08	Inox	0,17	
			Shear	V <sub>Rk</sub>				
Aerated concrete AAC2	625 x 240 x 250		Tension	N <sub>rec</sub>	0,11	Inox	0,09	
			Shear	V <sub>rec</sub>	0,09		0,09	
Aerated concrete AAC6	625 x 240 x 250		Tension	N <sub>rec</sub>	0,26	Inox	0,26	
			Shear	V <sub>rec</sub>	0,43		0,34	

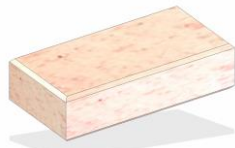
## 6. MINIMUM DISTANCES

### CATEGORY "A": FIXING IN CONCRETE

CHARACTERISTIC RESISTANCE FOR CRACKED AND NON CRACKED CONCRETE			PERFORMANCE			
			TNUX08		TNUX10	
Concrete type			C12/15	≥C16/20	C12/15	≥C16/20
h <sub>min</sub>	Minimum thickness of concrete member	[mm]	100			
c <sub>cr,N</sub>	Critical edge distance	[mm]	140	100	140	100
s <sub>min</sub>	Minimum spacing	[mm]	85	60	100	70
c <sub>min</sub>	Minimum edge distance	[mm]	85	60	100	70

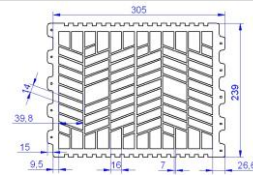
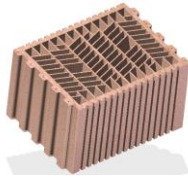
### CATEGORY "B" : FIXING IN SOLID BRICKS

CHARACTERISTIC RESISTANCE FOR SOLID PARTITIONING WALLS			PERFORMANCE	
			TNUX08	TNUX10
<b>Brick n°1: Paving stone 200 x 100 x 50 mm. Technical brickwork</b>				
h <sub>min</sub>	Minimum thickness of concrete member	[mm]	100	
<b>Isolated anchor</b>				
s <sub>min</sub>	Minimum spacing	[mm]	250	
c <sub>min</sub>	Minimum edge distance	[mm]	100	
<b>Group of anchors</b>				
s <sub>1,min</sub>	Minimum spacing perpendicular to edge	[mm]	200	
s <sub>2,min</sub>	Minimum spacing parallel to edge	[mm]	400	
c <sub>min</sub>	Minimum edge distance	[mm]	100	



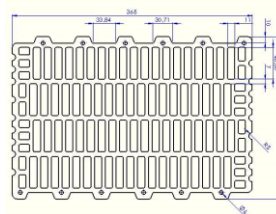
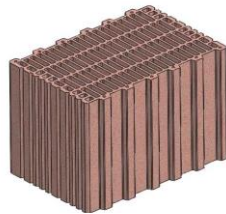
## CATEGORY "C" : FIXING IN HOLOW BRICKS

CHARACTERISTIC RESISTANCE FOR PERFORATED OR HOLLOW PARTITIONING WALLS		PERFORMANCE	
		TNUX08	TNUX10
<b>Brick nº2: KS12-1.8-3DF, 240 x 175 x 113 mm. Wemdingen Kalksandstein. Calcium silicate brick KS 12</b>			
Minimum thickness of concrete member	[mm]	175	
<b>Isolated anchor</b>			
Minimum spacing	[mm]	250	
Minimum edge distance	[mm]	100	
<b>Group of anchors</b>			
Minimum spacing perpendicular to edge	[mm]	200	
Minimum spacing parallel to edge	[mm]	400	
Minimum edge distance	[mm]	100	
<b>Brick nº3: KS12-1.4-3DF, 240 x 175 x 113 mm. Wemdingen Kalksandstein. Calcium silicate brick KSL 12</b>			
$h_{min}$	Minimum thickness of concrete member	[mm]	175
<b>Isolated anchor</b>			
$s_{min}$	Minimum spacing	[mm]	250
$c_{min}$	Minimum edge distance	[mm]	100
<b>Group of anchors</b>			
$s_{1,min}$	Minimum spacing perpendicular to edge	[mm]	200
$s_{2,min}$	Minimum spacing parallel to edge	[mm]	400
$c_{min}$	Minimum edge distance	[mm]	100
<b>Brick nº4: Thermo clay de 24: 237 x 305 x 191 mm. Cerabrick</b>			
$h_{min}$	Minimum thickness of concrete member	[mm]	237
<b>Isolated anchor</b>			
$s_{min}$	Minimum spacing	[mm]	250
$c_{min}$	Minimum edge distance	[mm]	100
<b>Group of anchors</b>			
$s_{1,min}$	Minimum spacing perpendicular to edge	[mm]	200
$s_{2,min}$	Minimum spacing parallel to edge	[mm]	400
$c_{min}$	Minimum edge distance	[mm]	100



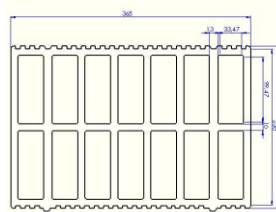
**Brick nº5: Planziegel-T16-365, 248 x 365 x 249 mm. Hollow brick POROTON®-T16**

$h_{min}$	Minimum thickness of concrete member	[mm]	249
<b>Isolated anchor</b>			
$s_{min}$	Minimum spacing	[mm]	250
$c_{min}$	Minimum edge distance	[mm]	100
<b>Group of anchors</b>			
$s_{1,min}$	Minimum spacing perpendicular to edge	[mm]	200
$s_{2,min}$	Minimum spacing parallel to edge	[mm]	400
$c_{min}$	Minimum edge distance	[mm]	100



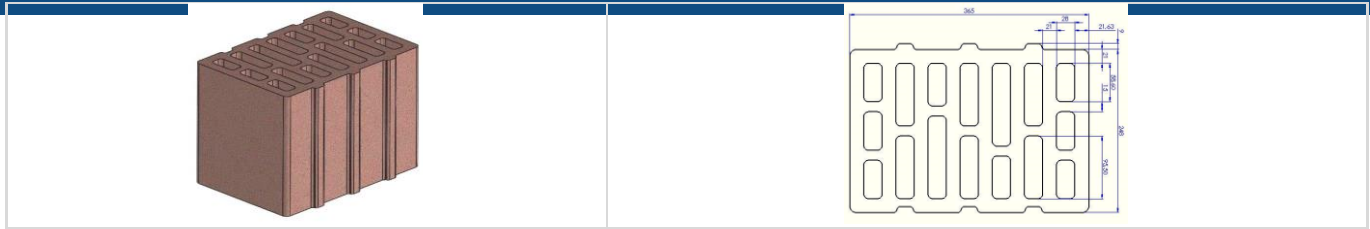
**Brick nº6: Poroton S8-365, 248 x 365 x 249 mm. Hollow brick POROTON®-S8**

$h_{min}$	Minimum thickness of concrete member	[mm]	249
<b>Isolated anchor</b>			
$s_{min}$	Minimum spacing	[mm]	250
$c_{min}$	Minimum edge distance	[mm]	100
<b>Group of anchors</b>			
$s_{1,min}$	Minimum spacing perpendicular to edge	[mm]	200
$s_{2,min}$	Minimum spacing parallel to edge	[mm]	400
$c_{min}$	Minimum edge distance	[mm]	100



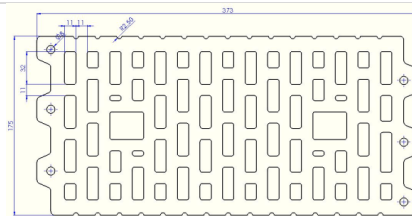
**Brick nº7: Poroton-FZ9-365 Objekt, 248 x 365 x 249 mm. Hollow brick POROTON®-FZ9**

$h_{min}$	Minimum thickness of concrete member	[mm]	249
<b>Isolated anchor</b>			
$s_{min}$	Minimum spacing	[mm]	250
$c_{min}$	Minimum edge distance	[mm]	100
<b>Group of anchors</b>			
$s_{1,min}$	Minimum spacing perpendicular to edge	[mm]	200
$s_{2,min}$	Minimum spacing parallel to edge	[mm]	400
$c_{min}$	Minimum edge distance	[mm]	100



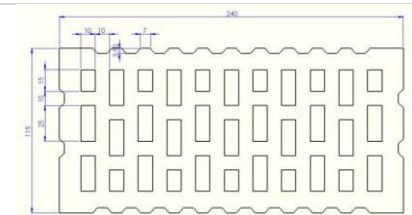
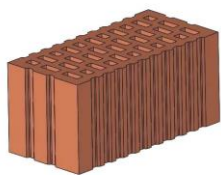
**Brick nº8: Schallschutzziegel 373 x 175 x 249 mm. Poroton Clay brick HLz 20**

$h_{min}$	Minimum thickness of concrete member	[mm]	175
<b>Isolated anchor</b>			
$s_{min}$	Minimum spacing	[mm]	250
$c_{min}$	Minimum edge distance	[mm]	100
<b>Group of anchors</b>			
$s_{1,min}$	Minimum spacing perpendicular to edge	[mm]	200
$s_{2,min}$	Minimum spacing parallel to edge	[mm]	400
$c_{min}$	Minimum edge distance	[mm]	100



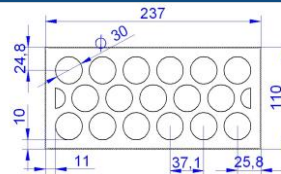
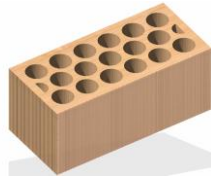
**Brick nº9: Poroton-Kleinformat 2DF-0.9 240 x 115 x 113 mm. Poroton Clay brick HLz 12**

$h_{min}$	Minimum thickness of concrete member	[mm]	115
<b>Isolated anchor</b>			
$s_{min}$	Minimum spacing	[mm]	250
$c_{min}$	Minimum edge distance	[mm]	100
<b>Group of anchors</b>			
$s_{1,min}$	Minimum spacing perpendicular to edge	[mm]	200
$s_{2,min}$	Minimum spacing parallel to edge	[mm]	400
$c_{min}$	Minimum edge distance	[mm]	100



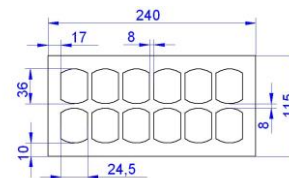
**Brick nº 10: Ceramic de 10. 237 x 110 x 100 mm. Jumisa**

$h_{min}$	Minimum thickness of concrete member	[mm]	110
<b>Isolated anchor</b>			
$s_{min}$	Minimum spacing	[mm]	250
$c_{min}$	Minimum edge distance	[mm]	100
<b>Group of anchors</b>			
$s_{1,min}$	Minimum spacing perpendicular to edge	[mm]	200
$s_{2,min}$	Minimum spacing parallel to edge	[mm]	400
$c_{min}$	Minimum edge distance	[mm]	100



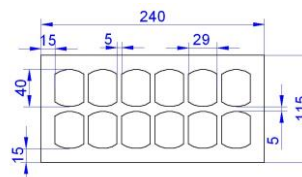
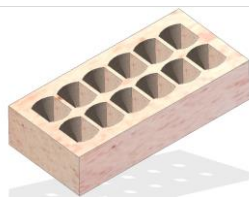
**Brick nº 11: Waterproof facebrick 240 x 115 x 50 mm. Ladritec**

$h_{min}$	Minimum thickness of concrete member	[mm]	115
<b>Isolated anchor</b>			
$s_{min}$	Minimum spacing	[mm]	250
$c_{min}$	Minimum edge distance	[mm]	100
<b>Group of anchors</b>			
$s_{1,min}$	Minimum spacing perpendicular to edge	[mm]	200
$s_{2,min}$	Minimum spacing parallel to edge	[mm]	400
$c_{min}$	Minimum edge distance	[mm]	100



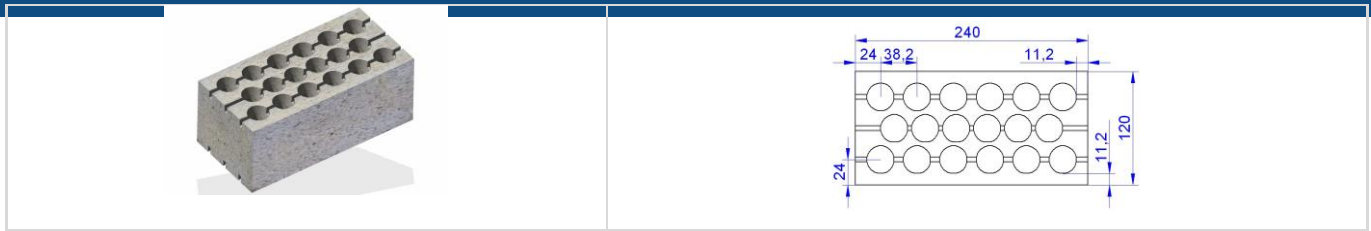
**Brick nº 12: Clinker Mediterranean 240 x 115 x 90. Technical brickwork**

$h_{min}$	Minimum thickness of concrete member	[mm]	115
<b>Isolated anchor</b>			
$s_{min}$	Minimum spacing	[mm]	250
$c_{min}$	Minimum edge distance	[mm]	100
<b>Group of anchors</b>			
$s_{1,min}$	Minimum spacing perpendicular to edge	[mm]	200
$s_{2,min}$	Minimum spacing parallel to edge	[mm]	400
$c_{min}$	Minimum edge distance	[mm]	100



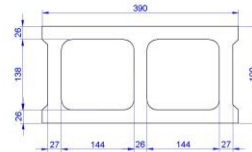
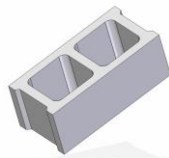
**Brick nº 13: Gero block 240 x 120 x 100 mm. Gilva**

$h_{min}$	Minimum thickness of concrete member	[mm]	120
<b>Isolated anchor</b>			
$s_{min}$	Minimum spacing	[mm]	250
$c_{min}$	Minimum edge distance	[mm]	100
<b>Group of anchors</b>			
$s_{1,min}$	Minimum spacing perpendicular to edge	[mm]	200
$s_{2,min}$	Minimum spacing parallel to edge	[mm]	400
$c_{min}$	Minimum edge distance	[mm]	100



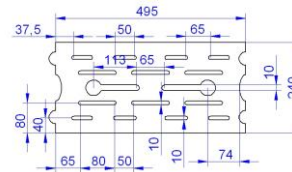
**Brick nº 14: Facebrick block 390 x 190 x 190 mm. Gallizo**

$h_{min}$	Minimum thickness of concrete member	[mm]	190
<b>Isolated anchor</b>			
$s_{min}$	Minimum spacing	[mm]	250
$c_{min}$	Minimum edge distance	[mm]	100
<b>Group of anchors</b>			
$s_{1,min}$	Minimum spacing perpendicular to edge	[mm]	200
$s_{2,min}$	Minimum spacing parallel to edge	[mm]	400
$c_{min}$	Minimum edge distance	[mm]	100



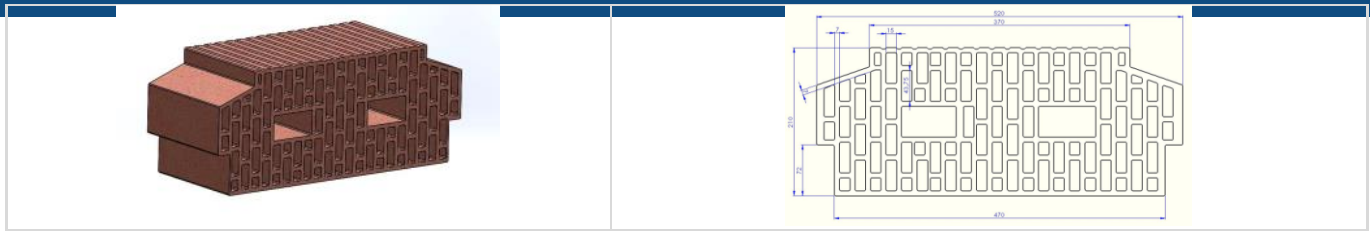
**Brick nº 15: Airblock. 491 x 241 x 190 mm. Viguetas Navarra.**

$h_{min}$	Minimum thickness of concrete member	[mm]	241
<b>Isolated anchor</b>			
$s_{min}$	Minimum spacing	[mm]	250
$c_{min}$	Minimum edge distance	[mm]	100
<b>Group of anchors</b>			
$s_{1,min}$	Minimum spacing perpendicular to edge	[mm]	200
$s_{2,min}$	Minimum spacing parallel to edge	[mm]	400
$c_{min}$	Minimum edge distance	[mm]	100



**Brick nº 16: Poroton Deckenelhängezlegel h21 530 x 210 x 249 mm**

$h_{min}$	Minimum thickness of concrete member	[mm]	210
<b>Isolated anchor</b>			
$s_{min}$	Minimum spacing	[mm]	250
$c_{min}$	Minimum edge distance	[mm]	100
<b>Group of anchors</b>			
$s_{1,min}$	Minimum spacing perpendicular to edge	[mm]	200
$s_{2,min}$	Minimum spacing parallel to edge	[mm]	400
$c_{min}$	Minimum edge distance	[mm]	100



**CATEGORY “D” : FIXATION IN AERATED CONCRETE**

CHARACTERISTIC RESISTANCE IN BLOCKS			PERFORMANCES	
			TNUX08	TNUX10
<b>AAC2: 625 x 240 x 250 mm</b>				
$h_{min}$	Minimum thickness of concrete member	[mm]	100	
<b>Isolated anchor</b>				
$s_{min}$	Minimum spacing	[mm]	250	
$c_{min}$	Minimum edge distance	[mm]	100	
<b>Group of anchors</b>				
$s_{1,min}$	Minimum spacing perpendicular to edge	[mm]	200	
$s_{2,min}$	Minimum spacing parallel to edge	[mm]	400	
$c_{min}$	Minimum edge distance	[mm]	100	
<b>AAC6: 625 x 240 x 250 mm</b>				
$h_{min}$	Minimum thickness of concrete member	[mm]	100	
<b>Isolated anchor</b>				
$s_{min}$	Minimum spacing	[mm]	250	
$c_{min}$	Minimum edge distance	[mm]	100	
<b>Group of anchors</b>				
$s_{1,min}$	Minimum spacing perpendicular to edge	[mm]	200	
$s_{2,min}$	Minimum spacing parallel to edge	[mm]	400	
$c_{min}$	Minimum edge distance	[mm]	100	

**7. OFFICIAL DOCUMENTATION**

The following official documentation is available through our Sales Department or directly from our website [www.indexfix.com](http://www.indexfix.com) :

- European Technical Assessment ETA-14/0467 Plastic anchor diameter 8 & 10 for multiple fixings in concrete and masonry in non-structural applications.
- Certification AVCP 1219-CPR-0088.
- TNUX-en DoP Declaration of performance.