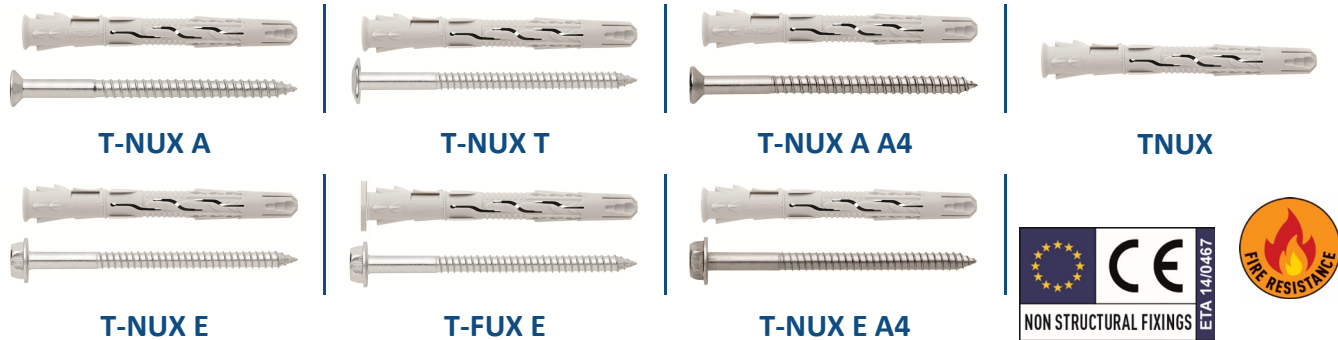




CHARACTERISTICS

- 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: Ø8 and Ø10

APPLICATIONS

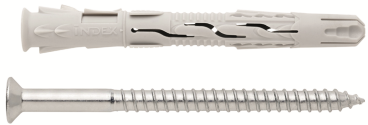
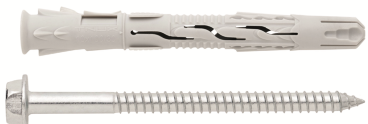
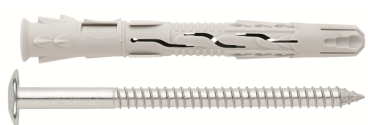
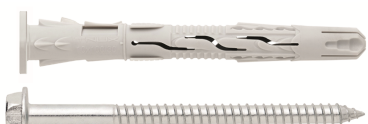
- Fixing window/door frames.
- Garage doors.
- Handrails.
- Façade restoration
- Ventilated façades
- For indoor and outdoor use.
- Fixing stone facing for facade cladding.

BASE MATERIALS



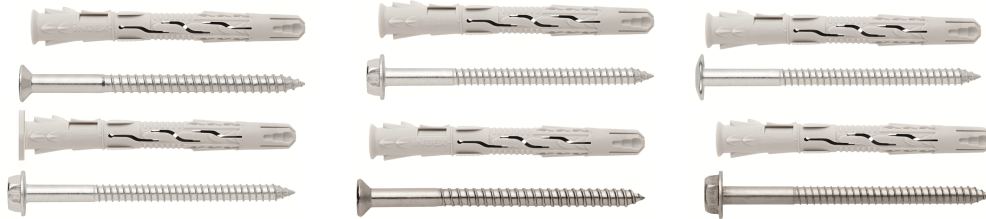
APPLICATION EXAMPLES



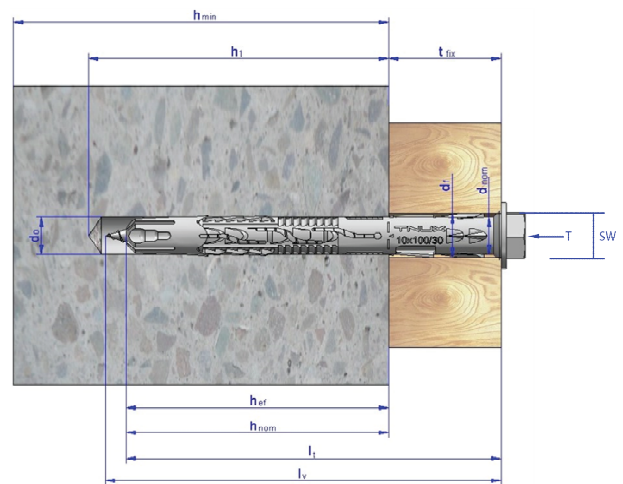
1. RANGE				
ITEM	CODE	PHOTO	COMPONENT	MATERIAL
1	TNUXA		Nylon plug	Polyamide 6
			Screw countersunk head	Zinc-plated steel
2	TNUXE		Nylon plug	Polyamide 6
			Screw hexagonal head	Zinc-plated steel
3	TNUXT		Nylon plug	Polyamide 6
			Screw truss head	Zinc-plated steel
4	TFUXE		Nylon plug cylindrical head	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 $M \times l_v$	[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	



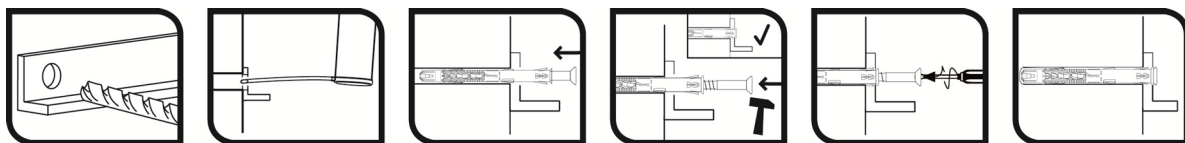
Installation Data

CODE		$d_0 \times l_t$	$M \times l_v$	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	

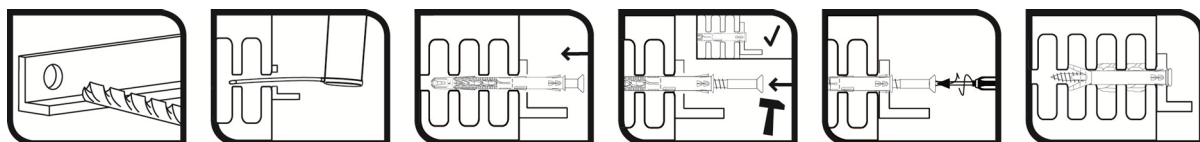
*Not assessed sizes

3. PRODUCT INSTALLATION

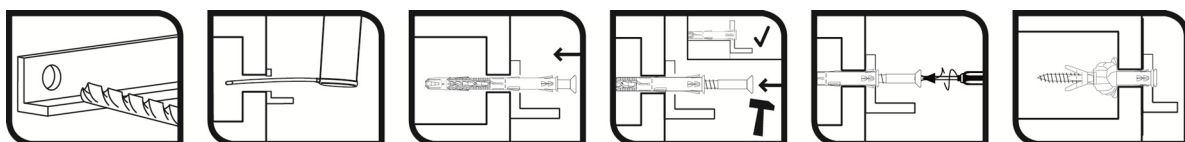
IN SOLID MATERIAL



IN HOLLOW BRICK

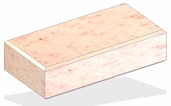
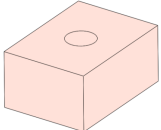
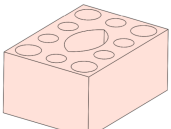
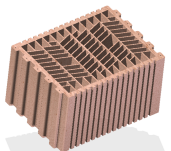
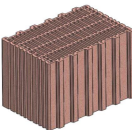
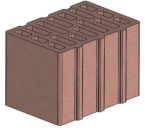
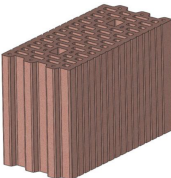
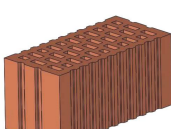


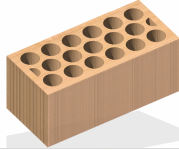
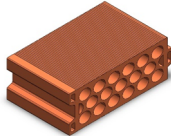
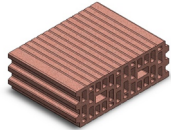
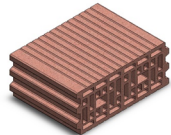
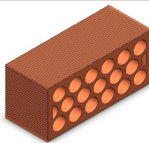
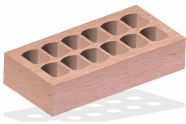
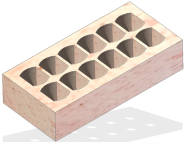
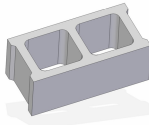
IN CONCRETE BLOCK

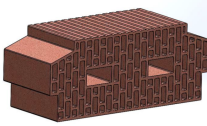


- Drill to the diameter and depth specified in the table. In the case of hollow materials, use the drilling mode. Reduce drilling speed when it is sensed the drill bit is approaching the inside hollow of the base material.
- Clear drill hole of dust and fragments.
- Place material to be fixed.
- Insert 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 ρ [kg/m ³]	MINIMUM COMPRESSION RESISTANCE (f_b)
Concrete	--		Rotary + Hammer	--	≥ 16 kN
Solid Brick №1	Paving Stone 200 x 100 x 50 mm		Rotary + Hammer	2060	30 N/mm ²
Hollow Brick №2	KS12-1.8-3DF, 240 x 175 x 113 mm		Rotary + Hammer	1790	12 N/mm ²
Hollow Brick №3	KS12-1.4-3DF, 240 x 175 x 113 mm		Rotary + Hammer	1390	12 N/mm ²
Hollow Brick №4	Thermo Clay, 237 x 305 x 191 mm		Rotary	855	12.5 N/mm ²
Hollow Brick №5	Planziegel-T16-365, 248 x 365 x 249 mm		Rotary	735	10 N/mm ²
Hollow Brick №6	Poroton S8-365, 248 x 365 x 249 mm		Rotary	720	10 N/mm ²
Hollow Brick №7	Poroton-FZ9-365 Objekt, 248 x 365 x 249 mm		Rotary	830	10 N/mm ²
Hollow Brick №8	Schallschutzziegel, 373 x 175 x 249 mm		Rotary	1100	20 N/mm ²
Hollow Brick №9	Poroton-Kleinformat 2DF- 0.9 240 x 115 x 113 mm		Rotary	855	12 N/mm ²

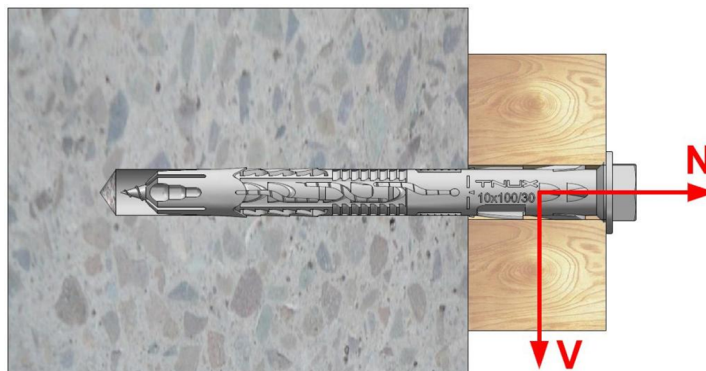
MATERIAL	SIZE [mm]	FIGURE	DRILLING MODE	DENSITY ρ [kg/m ³]	MINIMUM COMPRESSION RESISTANCE (f_b)
Hollow Brick №10	Ceramic, 237 x 110 x 100 mm		Rotary + Hammer	1025	20 N/mm ²
Hollow Brick №11	Hollow brick H20, 300 x 110 x 190 mm		Rotary	815	15 N/mm ²
Hollow Brick №12	Hollow brick CITY12, 330 x 120 x 249 mm		Rotary	860	15 N/mm ²
Hollow Brick №13	Hollow brick CITY14, 330 x 140 x 249 mm		Rotary	910	15 N/mm ²
Hollow Brick №14	Hollow brick PERFORATED 10, 245 x 110 x 100 mm		Rotary	805	15 N/mm ²
Hollow Brick №15	Hollow brick THERMO CLAY 14, 300 x 140 x 190 mm		Rotary	855	15 N/mm ²
Hollow Brick №16	Hollow brick THERMO CLAY 19, 300 x 190 x 190 mm		Rotary	790	15 N/mm ²
Hollow Brick №17	Facebrick 240 x 115 x 50 mm		Rotary	1065	20 N/mm ²
Hollow Brick №18	Mediterranean 240 x 115 x 90 mm		Rotary + Hammer	1310	40 N/mm ²
Hollow Brick №19	Gero Brick 240 x 120 x 100 mm		Rotary + Hammer	1180	10 N/mm ²
Hollow Brick №20	Brick 390 x 190 x 190 mm		Rotary	870	5 N/mm ²
Hollow Brick №21	Airblock 491 x 241 x 190 mm		Rotary	935	4 N/mm ²

MATERIAL	SIZE [mm]	FIGURE	DRILLING MODE	DENSITY ρ [kg/m ³]	MINIMUM COMPRESSION RESISTANCE (f_b)
Hollow Brick Nº22	Poroton Deckenelhängezlegel h21 530 x 210 x 249 mm		Rotary	680	12 N/mm ²
Aerated concrete AAC2	625 x 240 x 250 mm		Rotary	360	2 N/mm ²
Aerated concrete AAC6	625 x 240 x 250 mm		Rotary	710	6 N/mm ²

5. RESISTANCES

CHARACTERISTIC RESISTANCES [kN]

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



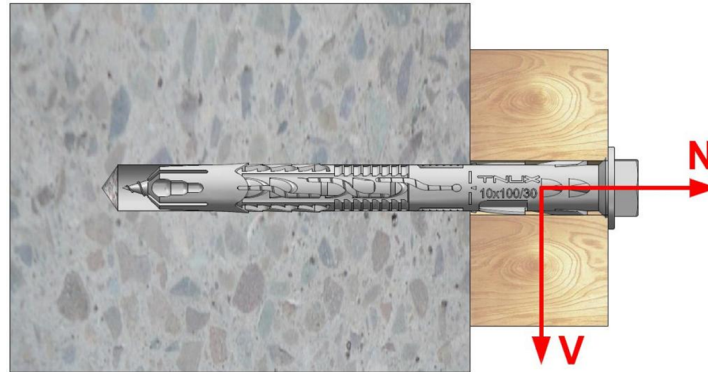
MATERIAL	SIZE	FIGURE	CHARACTERISTIC RESISTANCE		Ø8			Ø10		
					Zn	Inox		Zn	Inox	
Concrete	Resistencia ≥ 16 N/mm ²		Tension (24/40°C) [kN]	N _{Rk}	3,5	3,5		5,0	5,0	
			Tension (50/80°C) [kN]	N _{Rk}	3,5	3,5		4,5	4,5	
			Shear [kN]	V _{Rk}	6,5	7,6		9,0	10,5	
Solid brick Nº1	Paving stone 200 x 100 x 50 mm		Compression resist [N/mm ²]	f _B	30	50	70	30	50	70
			Characteristic resist [kN]	F _{Rk}	1,5	2,5	4,0	2,0	3,5	5,0
Hollow brick Nº2	KS12-1.8-3DF, 240 x 175 x 113 mm		Compression resist [N/mm ²]	f _B	12	20	30	12	20	30
			Characteristic resist [kN]	F _{Rk}	3,5	6,0	9,0	3,5	6,0	9,0
Hollow brick Nº3	KS12-1.4-3DF, 240 x 175 x 113 mm		Compression resist [N/mm ²]	f _B	12	20	25	12	20	25
			Characteristic resist [kN]	F _{Rk}	0,6	1,2	1,5	0,75	1,2	1,5
Hollow brick Nº4	Thermo Clay, 237 x 305 x 191 mm		Compression resist [N/mm ²]	f _B	12,5	15	20	-		
			Characteristic resist [kN]	F _{Rk}	0,75	0,9	1,2			
Hollow brick Nº5	Planziegel-T16-365, 248 x 365 x 249 mm		Compression resist [N/mm ²]	f _B	-			10	12	14
			Characteristic resist [kN]	F _{Rk}				0,6	0,6	0,75
Hollow brick Nº6	Poroton S8-365, 248 x 365 x 249 mm		Compression resist [N/mm ²]	f _B	10	12	14	10	12	14
			Characteristic resist [kN]	F _{Rk}	1,5	2,0	2,0	1,5	2,0	2,0
Hollow brick Nº7	Poroton-FZ9-365 Objekt, 248 x 365 x 249 mm		Compression resist [N/mm ²]	f _B	10	12	14	10	12	14
			Characteristic resist [kN]	F _{Rk}	2,5	3,0	3,5	2,0	2,5	3
Hollow brick Nº8	Schallschutzziegel 373 x 175 x 249 mm		Compression resist [N/mm ²]	f _B	20	24	28	20	24	28
			Characteristic resist [kN]	F _{Rk}	1,2	1,2	1,5	0,75	0,9	0,9

MATERIAL	SIZE	FIGURE	CHARACTERISTIC RESISTANCE		Ø8			Ø10		
					Zn	Inox		Zn	Inox	
Hollow brick №9	Poroton-Kleinformate 2DF-0.9 240 x 115 x 113 mm		Compression resist [N/mm²]	f _B	-			12	16	20
			Characteristic resist [kN]	F _{Rk}				0,4	0,6	0,75
Hollow brick №10	Ceramic 237 x 110 x 100 mm		Compression resist [N/mm²]	f _B	20	30	40	-		
			Characteristic resist [kN]	F _{Rk}	0,4	0,6	0,75			
Hollow brick №11	Hollow brick H20, 300 x 110 x 190 mm		Compression resist [N/mm²]	f _B	-			15	25	35
			Characteristic resist [kN]	F _{Rk}				0,5	0,9	1,2
Hollow brick №12	Hollow brick CITY12, 330 x 120 x 249 mm		Compression resist [N/mm²]	f _B	-			15	25	35
			Characteristic resist [kN]	F _{Rk}				0,6	0,9	1,5
Hollow brick №13	Hollow brick CITY14, 330 x 140 x 249 mm		Compression resist [N/mm²]	f _B	-			15	25	35
			Characteristic resist [kN]	F _{Rk}				0,9	1,5	2,5
Hollow brick №14	Hollow brick PERFORATED 10, 245 x 110 x 100 mm		Compression resist [N/mm²]	f _B	-			15	25	35
			Characteristic resist [kN]	F _{Rk}				0,6	0,9	1,5
Hollow brick №15	Hollow brick THERMO CLAY 14, 300 x 140 x 190 mm		Compression resist [N/mm²]	f _B	-			15	25	35
			Characteristic resist [kN]	F _{Rk}				0,75	1,2	2,0
Hollow brick №16	Hollow brick THERMO CLAY 19, 300 x 190 x 190 mm		Compression resist [N/mm²]	f _B	-			15	25	35
			Characteristic resist [kN]	F _{Rk}				0,75	1,2	1,5
Hollow brick №17	Facebrick 240 x 115 x 50 mm		Compression resist [N/mm²]	f _B	20	30	40	20	30	40
			Characteristic resist [kN]	F _{Rk}	0,6	0,9	1,2	1,2	1,5	2
Hollow brick №18	Mediterranean 240 x 115 x 90 mm		Compression resist [N/mm²]	f _B	40	50	60	40	50	60
			Characteristic resist [kN]	F _{Rk}	0,75	1,2	1,2	1,5	2	2,5
Hollow brick №19	Gero Brick 240 x 120 x 100 mm		Compression resist [N/mm²]	f _B	10	12	14	10	12	14
			Characteristic resist [kN]	F _{Rk}	0,75	0,9	1,2	1,5	2	2,5
Hollow brick №20	Brick 390 x 190 x 190 mm		Compression resist [N/mm²]	f _B	5			5		
			Characteristic resist [kN]	F _{Rk}	1,5			1,5		
Hollow brick №21	Airblock 491 x 241 x 190 mm		Compression resist [N/mm²]	f _B	4			4		
			Characteristic resist [kN]	F _{Rk}	2,0			1,5		
Hollow brick №22	Poroton Deckenlnhängezleg el h21 530 x 210 x 249 mm		Compression resist [N/mm²]	f _B	12	16	20	12	16	20
			Characteristic resist [kN]	F _{Rk}	0,3	0,4	0,5	0,6	0,9	1,2
Temperature Range					24/40°C		50/80°C	24/40°C		50/80°C
Aerated Concrete AAC2	625 x 240 x 250 mm		Compression resist [N/mm²]	f _B	2			2		
			Characteristic resist [kN]	F _{Rk}	0,4	0,3	0,3	0,3		
Aerated Concrete AAC6	625 x 240 x 250 mm		Compression resist [N/mm²]	f _B	6			6		
			Characteristic resist [kN]	F _{Rk}	0,9	0,9	1,5	1,2		

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

MAXIMUM LOADS RECOMMENDED [kN]

Maximum recommended load for an isolated anchor in any direction (without the effects of critical edge distance or critical anchor spacing) is that indicated in the following table ($\gamma_F = 1,4$):



MATERIAL	SIZE	FIGURE	MAXIMUM RECOMMENDED LOADS		Ø8			Ø10		
					Zn	Inox		Zn	Inox	
Concrete	Resistance ≥ 16 N/mm ²		Tension (24/40°C)	N _{rec}	1,39	1,39		1,98	1,98	
			Tension (50/80°C)	N _{rec}	1,39	1,39		1,79	1,79	
			Shear	V _{rec}	2,58	3,02		3,57	4,17	
Solid brick №1	Paving stone 200 x 100 x 50		Compression resist [N/mm ²]	f _B	30	50	70	30	50	70
			Max recommended load [kN]	F _{rec}	0,43	0,71	1,14	0,57	1,00	1,43
Hollow brick №2	KS12-1.8-3DF, 240 x 175 x 113		Compression resist [N/mm ²]	f _B	12	20	30	12	20	30
			Max recommended load [kN]	F _{rec}	1,00	1,71	2,57	1,00	1,71	2,57
Hollow brick №3	KS12-1.4-3DF, 240 x 175 x 113		Compression resist [N/mm ²]	f _B	12	20	25	12	20	25
			Max recommended load [kN]	F _{rec}	0,17	0,34	0,43	0,21	0,34	0,43
Hollow brick №4	Thermo clay 237 x 305 x 191		Compression resist [N/mm ²]	f _B	12,5	15	20	-		
			Max recommended load [kN]	F _{rec}	0,21	0,26	0,34			
Hollow brick №5	Planziegel-T16-365, 248 x 365 x 249		Compression resist [N/mm ²]	f _B	-			10	12	14
			Max recommended load [kN]	F _{rec}				0,17	0,17	0,21
Hollow brick №6	Poroton S8-365, 248 x 365 x 249		Compression resist [N/mm ²]	f _B	10	12	14	10	12	14
			Max recommended load [kN]	F _{rec}	0,43	0,57	0,57	0,43	0,57	0,57
Hollow brick №7	Poroton-FZ9-365 Objekt, 248 x 365 x 249		Compression resist [N/mm ²]	f _B	10	12	14	10	12	14
			Max recommended load [kN]	F _{rec}	0,71	0,86	1,00	0,57	0,71	0,86
Hollow brick №8	Schallschutzziegel 373 x 175 x 249		Compression resist [N/mm ²]	f _B	20	24	28	20	24	28
			Max recommended load [kN]	F _{rec}	0,34	0,34	0,43	0,21	0,26	0,26
Hollow brick №9	Poroton-Kleinformat 2DF-0.9 240 x 115 x 113		Compression resist [N/mm ²]	f _B	-			12	16	20
			Max recommended load [kN]	F _{rec}				0,11	0,17	0,21
Hollow brick №10	Ceramic 237 x 110 x 100		Compression resist [N/mm ²]	f _B	20	30	40	-		
			Max recommended load [kN]	F _{rec}	0,11	0,17	0,21			
Hollow brick №11	Hollow brick H20, 300 x 110 x 190 mm		Compression resist [N/mm ²]	f _B	-			15	25	35
			Max recommended load [kN]	F _{rec}				0,14	0,26	0,34
Hollow brick №12	Hollow brick CITY12, 330 x 120 x 249 mm		Compression resist [N/mm ²]	f _B	-			15	25	35
			Max recommended load [kN]	F _{rec}				0,17	0,26	0,43

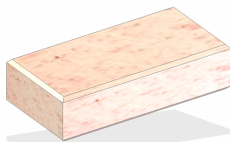
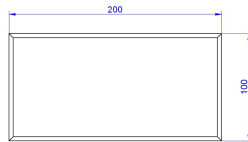
MATERIAL	SIZE	FIGURE	MAXIMUM RECOMMENDED LOADS		Ø8			Ø10				
					Zn	Inox		Zn	Inox			
Hollow brick №13	Hollow brick CITY14, 330 x 140 x 249 mm		Compression resist [N/mm²]	f _B	-			15	25	35		
			Max recommended load [kN]	F _{rec}				0,26	0,43	0,71		
Hollow brick №14	Hollow brick PERFORATED 10, 245 x 110 x 100 mm		Compression resist [N/mm²]	f _B	-			15	25	35		
			Max recommended load [kN]	F _{rec}				0,17	0,26	0,43		
Hollow brick №15	Hollow brick THERMO CLAY 14, 300 x 140 x 190 mm		Compression resist [N/mm²]	f _B	-			15	25	35		
			Max recommended load [kN]	F _{rec}				0,21	0,34	0,57		
Hollow brick №16	Hollow brick THERMO CLAY 19, 300 x 190 x 190 mm		Compression resist [N/mm²]	f _B	-			15	25	35		
			Max recommended load [kN]	F _{rec}				0,21	0,34	0,43		
Hollow brick №17	Facebrick 240 x 115 x 50		Compression resist [N/mm²]	f _B	20	30	40	20	30	40		
			Max recommended load [kN]	F _{rec}	0,17	0,26	0,34	0,34	0,43	0,57		
Hollow brick №18	Mediterranean 240 x 115 x 90		Compression resist [N/mm²]	f _B	40	50	60	40	50	60		
			Max recommended load [kN]	F _{rec}	0,21	0,34	0,34	0,43	0,57	0,71		
Hollow brick №19	Gero brick 240 x 120 x 100		Compression resist [N/mm²]	f _B	10	12	14	10	12	14		
			Max recommended load [kN]	F _{rec}	0,21	0,26	0,34	0,43	0,57	0,71		
Hollow brick №20	Brick 390 x 190 x 190		Compression resist [N/mm²]	f _B	5			5				
			Max recommended load [kN]	F _{rec}	0,43			0,43				
Hollow brick №21	Airblock 491 x 241 x 190		Compression resist [N/mm²]	f _B	4			4				
			Max recommended load [kN]	F _{rec}	0,57			0,43				
Hollow brick №22	Poroton Deckenelnhängezegel h21 530 x 210 x 249		Compression resist [N/mm²]	f _B	12	16	20	12	16	20		
			Max recommended load [kN]	F _{rec}	0,09	0,11	0,14	0,17	0,26	0,34		
Temperature Range					24/40°C		50/80°C		24/40°C		50/80°C	
Aerated Concrete AAC2	625 x 240 x 250		Compression resist [N/mm²]	f _B	2			2				
			Max recommended load [kN]	F _{rec}	0,14	0,11		0,11		0,11		
Aerated Concrete AAC6	625 x 240 x 250		Compression resist [N/mm²]	f _B	6			6				
			Max recommended load [kN]	F _{rec}	0,32	0,32		0,54		0,43		

6. MINIMUM DISTANCES

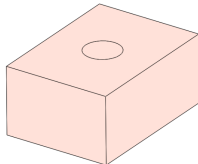
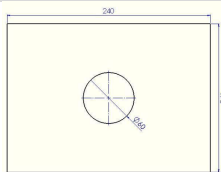
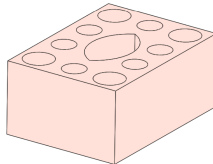
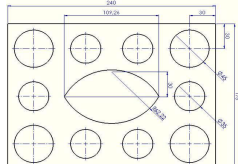
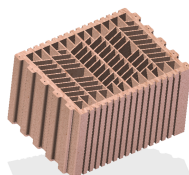
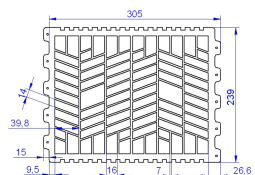
CATEGORY "A": FIXING IN CONCRETE

CHARACTERISTIC RESISTANCE FOR CRACKED AND NON CRACKED CONCRETE			PERFORMANCE			
			TNUX08		TNUX10	
Concrete type			C12/15	≥C16/20	C12/15	≥C16/20
h_{min}	Minimum thickness of concrete member	[mm]	100			
$c_{cr,N}$	Critical edge distance	[mm]	140	100	140	100
s_{min}	Minimum spacing	[mm]	85	60	100	70
c_{min}	Minimum edge distance	[mm]	85	60	100	70

CATEGORY "B" : FIXING IN SOLID BRICKS

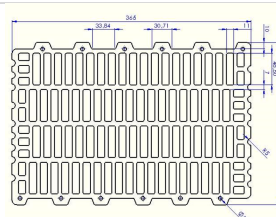
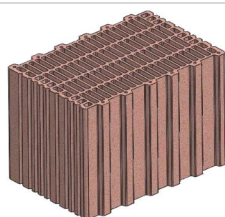
CHARACTERISTIC RESISTANCE FOR SOLID PARTITIONING WALLS			PERFORMANCE	
			TNUX08	TNUX10
Brick n°1: Paving stone 200 x 100 x 50 mm. Technical brickwork				
h _{min}	Minimum thickness of concrete member	[mm]	100	
Isolated anchor				
s _{min}	Minimum spacing	[mm]	250	
c _{min}	Minimum edge distance	[mm]	100	
Group of anchors				
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 "C" : FIXING IN HOLOW BRICKS

CHARACTERISTIC RESISTANCE FOR PERFORATED OR HOLLOW PARTITIONING WALLS			PERFORMANCE	
			TNUX08	TNUX10
Brick nº2: KS12-1.8-3DF, 240 x 175 x 113 mm. Wemding Kalksandstein. Calcium silicate brick KS 12				
Minimum thickness of concrete member		[mm]	175	
Isolated anchor				
Minimum spacing		[mm]	250	
Minimum edge distance		[mm]	100	
Group of anchors				
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 nº3: KS12-1.4-3DF, 240 x 175 x 113 mm. Wemding Kalksandstein. Calcium silicate brick KSL 12				
h _{min}	Minimum thickness of concrete member	[mm]	113	
Isolated anchor				
S _{min}	Minimum spacing	[mm]	250	
C _{min}	Minimum edge distance	[mm]	100	
Group of anchors				
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 nº4: Thermo clay de 24: 237 x 305 x 191 mm. Cerabrick				
h _{min}	Minimum thickness of concrete member	[mm]	237	
Isolated anchor				
S _{min}	Minimum spacing	[mm]	250	
C _{min}	Minimum edge distance	[mm]	100	
Group of anchors				
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	
				

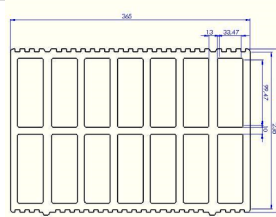
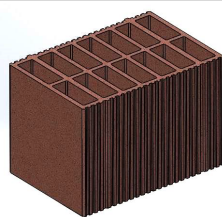
Brick nº5: Planziegel-T16-365, 248 x 365 x 249 mm. Hollow brick POROTON®-T16

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



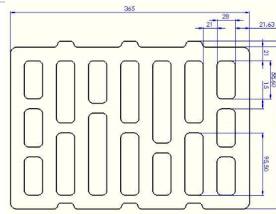
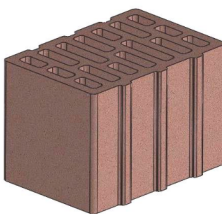
Brick nº6: Poroton S8-365, 248 x 365 x 249 mm. Hollow brick POROTON®-S8

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

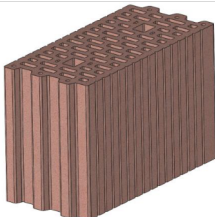
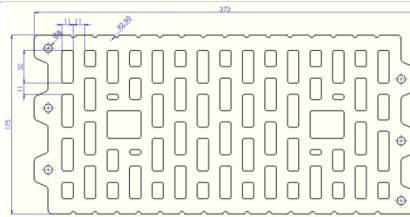


Brick nº7: Poroton-FZ9-365 Objekt, 248 x 365 x 249 mm. Hollow brick POROTON®-FZ9

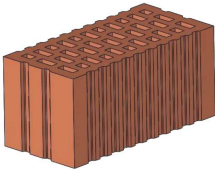
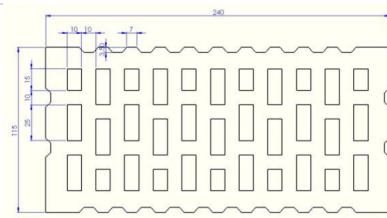
h_{min}	Minimum thickness of concrete member	[mm]	249
Isolated anchor			
s_{min}	Minimum spacing	[mm]	250
c_{min}	Minimum edge distance	[mm]	100
Group of anchors			
$s_{1,min}$	Minimum spacing perpendicular to edge	[mm]	200
$s_{2,min}$	Minimum spacing parallel to edge	[mm]	400
c_{min}	Minimum edge distance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



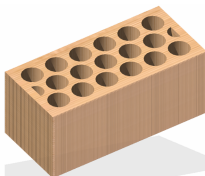
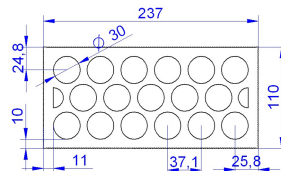
Brick nº8: Schallschutzziegel 373 x 175 x 249 mm. Poroton Clay brick HLz 20

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

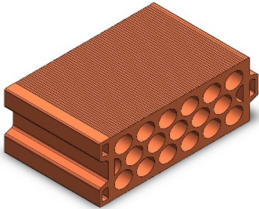
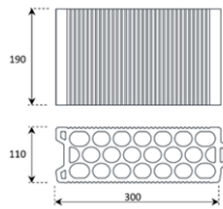
Brick nº9: Poroton-Kleinformat 2DF-0.9 240 x 115 x 113 mm. Poroton Clay brick HLz 12

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

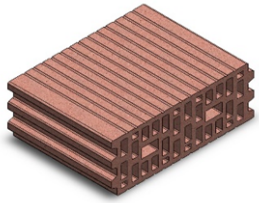
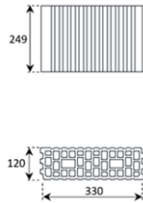
Brick nº 10: Ceramic de 10. 237 x 110 x 100 mm. Jumisa

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

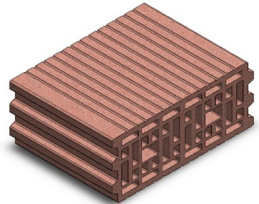
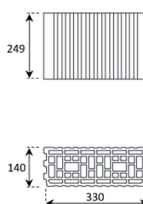
Brick nº11: Hollow brick H20 Cerámica Sampedro

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

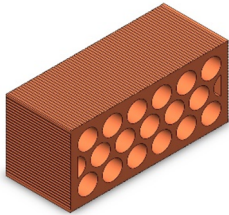
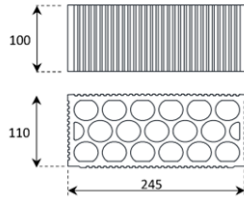
Brick nº12: Hollow brick CITY12 Cerámica Sampedro

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

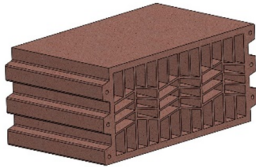
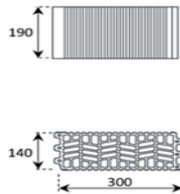
Brick nº13: Hollow brick CITY14 Cerámica Sampedro

h_{min}	Minimum thickness of concrete member	[mm]	140
Isolated anchor			
s_{min}	Minimum spacing	[mm]	100
c_{min}	Minimum edge distance	[mm]	100
Group of anchors			
$s_{1,min}$	Minimum spacing perpendicular to edge	[mm]	100
$s_{2,min}$	Minimum spacing parallel to edge	[mm]	100
c_{min}	Minimum edge distance	[mm]	100
			

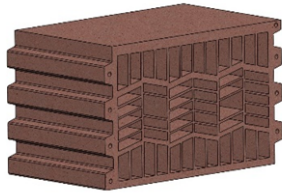
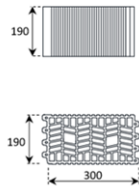
Brick nº14: Hollow brick PERFORATED 10 Cerámica Sampedro

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

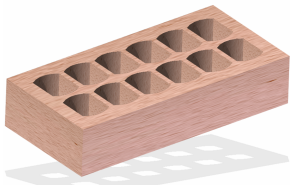
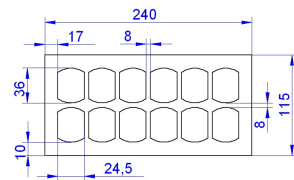
Brick nº15: Hollow brick THERMO CLAY 14 Cerámica Sampedro

h_{min}	Minimum thickness of concrete member	[mm]	140
Isolated anchor			
s_{min}	Minimum spacing	[mm]	100
c_{min}	Minimum edge distance	[mm]	100
Group of anchors			
$s_{1,min}$	Minimum spacing perpendicular to edge	[mm]	100
$s_{2,min}$	Minimum spacing parallel to edge	[mm]	100
c_{min}	Minimum edge distance	[mm]	100
			

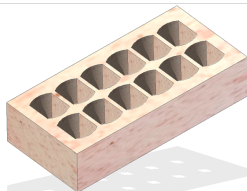
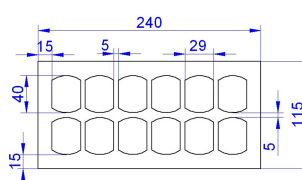
Brick nº16: Hollow brick THERMO CLAY 19 Cerámica Sampedro

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

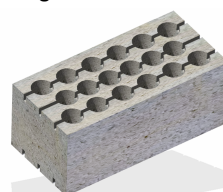
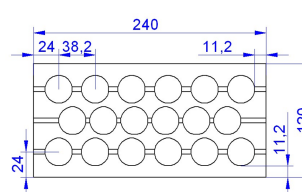
Brick nº 17: Waterproof facebrick 240 x 115 x 50 mm. Ladritec

h_{min}	Minimum thickness of concrete member	[mm]	115
Isolated anchor			
s_{min}	Minimum spacing	[mm]	250
c_{min}	Minimum edge distance	[mm]	100
Group of anchors			
$s_{1,min}$	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 18: Clinker Mediterranean 240 x 115 x 90. Technical brickwork

h_{min}	Minimum thickness of concrete member	[mm]	115
Isolated anchor			
s_{min}	Minimum spacing	[mm]	250
c_{min}	Minimum edge distance	[mm]	100
Group of anchors			
$s_{1,min}$	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 19: Gero block 240 x 120 x 100 mm. Gilva

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

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

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

$h_{\min}$	Minimum thickness of concrete member	[mm]	210
Isolated anchor			
$s_{\min}$	Minimum spacing	[mm]	250
$c_{\min}$	Minimum edge distance	[mm]	100
Group of anchors			
$s_{1,\min}$	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
AAC2: 625 x 240 x 250 mm				
h _{min}	Minimum thickness of concrete member	[mm]	100	
Isolated anchor				
s _{min}	Minimum spacing	[mm]	250	
c _{min}	Minimum edge distance	[mm]	100	
Group of anchors				
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	
AAC6: 625 x 240 x 250 mm				
h _{min}	Minimum thickness of concrete member	[mm]	100	
Isolated anchor				
s _{min}	Minimum spacing	[mm]	250	
c _{min}	Minimum edge distance	[mm]	100	
Group of anchors				
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 :

- 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.