

TP HOLLOW CORE ANCHOR

TP CHC

■ Product Description

- European approval for interior non-structural applications in hollow slabs
- R30 to R120 Fire Approval
- The anchor collar stops it from entering the hole, making installation easy
- Suitable for installations with reduced distances
- Suitable for the use of bolts or threaded rods with metric threads



TP CHC : TP Hollow Core Anchor (Zinc Plated), has an ETA approval for interior non-structural applications in hollow slabs

Item Number	Description	Size	Approval
TP 6494	TP Hollow Core Anchor (Zinc Plated)	TP CHC M06	✓
TP 6495	TP Hollow Core Anchor (Zinc Plated)	TP CHC M08	✓
TP 6496	TP Hollow Core Anchor (Zinc Plated)	TP CHC M10	✓



■ Application

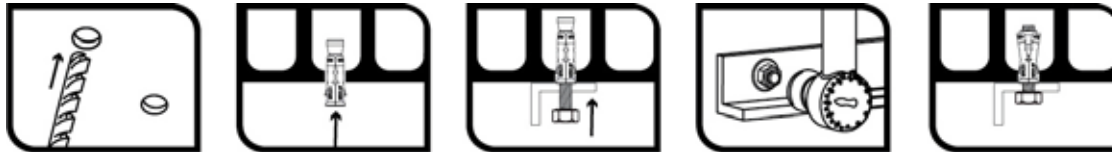
- Fixing suspended ceilings, sprinklers and ventilation systems
- Fixing pipe work and cable ducts

■ Anchor Material

Name	Size	Component	Material
TP CHC	M6 to M10	Expansion sleeve Cone	Carbon steel strip, electro zinc plated $\geq 5 \mu\text{m}$ ISO 4042 A2 Carbon steel wire rod, electro zinc plated $\geq 5 \mu\text{m}$ ISO 4042 A2

■ Installation Procedure

- Check the concrete base is well compacted and porosity insignificant. Dry, humid and flooded drills allowed. Drill at hammer or percussion position. Respect specified diameter and depth
- Introduce the anchor to the bottom of the drill hole. Use hammer if necessary. The anchor must not stand out of the surface of the base material
- Put the material to be fixed and insert the bolt or stud through holes. Use a bolt with the correct length. Wide washers are recommended (DIN 9021). Do not introduce any materials between the material to be fixed and the washer (sealants, etc.). Apply the nominal torque using dynamometric wrench



■ Safety in case of fire

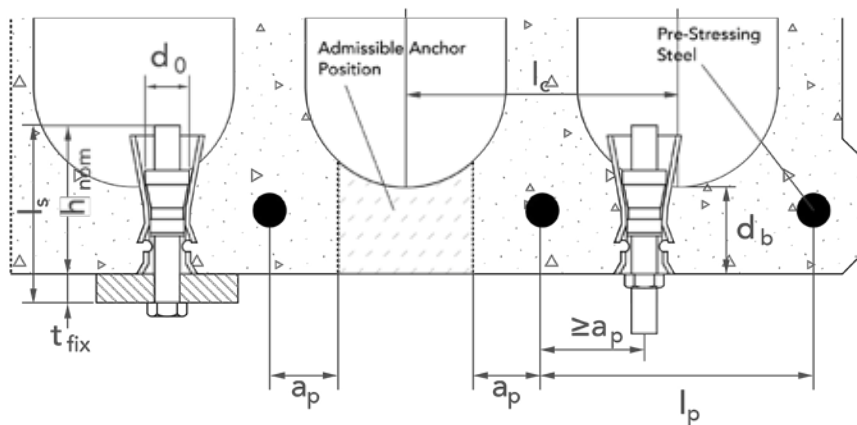
Reaction to fire has been assessed according to commission Decision 96/603/EC, amended by 2000/605/EC.

Reaction to fire*	M6	M8	M10
	Class A1		

**For characteristic resistance under fire exposure in \geq C40/50 prestressed hollow core slabs for use in non-structural applications in concrete, check our ETA approval*

■ Installation Parameters

Installation parameters			M6	M8	M10
d_o	Nominal diameter of drill bit	mm	10	12	16
D	Thread Diameter	mm	M6	M8	M10
d_f	Fixture clearance hole diameter	mm	7	9	12
T_{inst}	Installation Torque	Nm	10	20	30
h_1	Depth of drilled hole \geq	mm	45	50	60
h_{nom}	Overall anchor embedment depth in the base material	mm	38	44	53
l_c	Core distance \geq	mm	100	100	100
l_p	Prestressing steel distance \geq	mm	100	100	100
a_p	Distance between anchor position and prestressing reinforcement steel \geq	mm	50	50	50
l_s	Minimum length of bolt	mm	tfix+40	tfix+46	tfix+55
	Minimum steel class of bolt		6.8 ISO 898-1		
S_{min}	Minimum allowable spacing	mm	100	100	100
C_{min}	Minimum allowable edge distance	mm	60	70	80



d_b : Minimum thickness of prestressed hollow core concrete slab

t_{fix} : Thickness of fixture