



## Dichiarazione di Prestazione numero 1020-CPR-010-045228

According to the Regulation EU No 305/2011

**HXE01 - HXE41 - HXE85 - HXE39 - HXE02 - HXE42 - HXE12 - HXE40  
HXE03 - HXE43 - HXE05 - HXE45 - HXE06 - HXE46 - HXE07 - HXE47  
HXE49 - HXE87 - HXE47**

Manufacturer: Tecfi S.p.A. - S.S. Appia, km 193 - 81050 Pastorano (CE), Italia - [rdc@tecfi.it](mailto:rdc@tecfi.it)


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1 - Intended use	
<b>Product-type:</b>	Metal fastener for use in concrete
<b>Anchor type:</b>	Concrete screw for use in concrete for redundant non structural system
<b>Technical description of the product:</b>	see Table 2
<b>Specification of the intended use in accordance with the applicable EAD:</b>	The performances given in Table 4 are only valid if the anchor is used in compliance with the specifications and conditions given in the Table 3.
<b>Base material:</b>	<ul style="list-style-type: none"> <li>- Reinforced or unreinforced normal weight concrete according to EN 206:2013+A2:2021.</li> <li>- Strength classes C20/25 to C50/60 according to EN 206:2013+A2:2021.</li> <li>- Cracked or uncracked concrete.</li> <li>- Precast, pre-stressed hollow core slab with <math>w/e \leq 4,8</math> and strength classes C45/55 to C50/60.</li> </ul>
<b>Installation:</b>	<ul style="list-style-type: none"> <li>- Hole drilling by rotary plus hammer mode only</li> <li>- Fastener installation carried out by appropriately qualified personnel and under the supervision of the person responsible for technical matters of the site.</li> <li>- In case of aborted hole: new drilling at a minimum distance away of twice the depth of the aborted hole or smaller distance if the aborted hole is filled with high strength mortar and if under shear or oblique tension load it is not the direction of the load application.</li> <li>- After installation further turning of the fastener is not possible. The head of the fastener is supported on the fixture and is not damaged.</li> </ul>
<b>Loading:</b>	<ul style="list-style-type: none"> <li>- Static and quasi-static loads</li> <li>- Fire exposure (not in prestressed slabs) <math>\varnothing 8</math> with embedment depth of 45 mm only</li> </ul>
<b>Durability:</b>	<p>The anchor may be used in structures subject to dry internal conditions only.</p> <p>The verifications and assessment methods on which the relevant European Technical Assessment is based lead to the assumption of a working life of the anchor of at least 50 years.</p> <p>The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.</p>
<b>Service temperature:</b>	The anchors may be used in the following temperature range: [ -40°C ; +80°C ]
<b>Resistance to fire:</b>	See tables 4.4 and 4.5
<b>Reaction to fire:</b>	The anchor is classified A1 according to EC Decision 96/603/EC.
<b>European Assessment Document:</b>	European Assessment Document (EAD) 330747-00-0601
<b>European Technical Assessment:</b>	ETA 21/1065
<b>Technical Assessment Body:</b>	ETA-Danmark A/S
<b>Design methods:</b>	<p>Anchorage in concrete under static or quasi-static actions and under fire exposure are designed in accordance with:</p> <ul style="list-style-type: none"> <li>- EN 1992-4 Design method A and EOTA Technical report TR055</li> </ul> <p>In case of requirements for resistance to fire exposure it must be ensured that local spalling of the concrete cover does not occur.</p> <p>Anchorage in hollow core slab under static or quasi-static actions are designed in accordance with:</p> <ul style="list-style-type: none"> <li>- EN 1992-4 Design method B and EOTA Technical report TR055</li> </ul> <p>Anchorage are designed under the responsibility of an engineer experienced in anchorages and concrete work.</p> <p>Verifiable calculation notes and drawings are prepared taking account of the loads to be anchored. The position of the fastener is indicated on the design drawings (e.g. position of the fastener relative to reinforcement or to supports, etc.).</p>
<b>Assessment and Verification of Constancy of Performance:</b>	EC Certificate No. 1020-CPR-010-045228
<b>Notified Body:</b>	TZUS
<b>Under the system:</b>	2+



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## 2 - Anchor's types

ITEM	Description	f <sub>y</sub> [Mpa]	f <sub>u</sub> [Mpa]
HXE 01 - HXE 41	Hexagonal flanged washer head screw	640	750
HXE 85 - HXE 39	Dual thread screw with hexagonal shank		
HXE 02 - HXE 42	Dual thread screw with hexagonal shank, nut and washer according to ISO 7089		
HXE 12 - HXE 40	Dual thread screw with hexagonal shank, nut, and washer according to ISO 7093		
HXE 03 - HXE 43	Flat countersunk head with ribs screw		
HXE 05 - HXE 45	Cylindrical head screw		
HXE 06 - HXE 46	Pan head screw		
HXE 07 - HXE 48 - HXE 49	Dual thread with collar screw, with metric coupling nut		
HXE 87 - HXE 47	Dual thread with collar screw		

## 2.2 - Anchor's types Finishing

ITEM	Finishing
HXE 01 - HXE 85 - HXE 02 - HXE 12 - HXE 03 HXE 05 - HXE 06 - HXE 07 - HXE 87	Galvanised $\geq 5\mu\text{m}$ according to ISO 4042
HXE 41 - HXE 39 - HXE 42 - HXE 43 - HXE 40 HXE 45 - HXE 46 - HXE 47 - HXE 49	Special Tecfi STEEL SAVER protective coating
HXE 48	SCREW: with special Tecfi STEEL SAVER protective coating COUPLING NUT: galvanised $\geq 5\mu\text{m}$ according to ISO 4042



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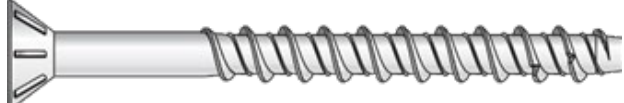

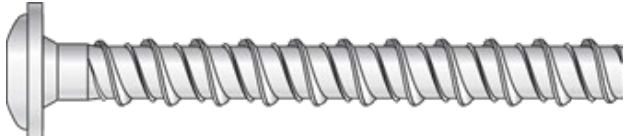

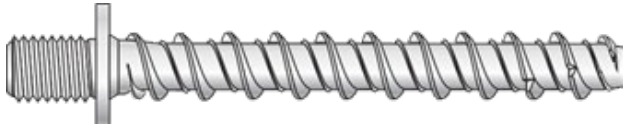
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## 2.3 - Anchor's types

PRODUCT IMAGE	Zinc plated version	Special coating version
	HXE 01	HXE 41
	HXE 85	HXE 39
	HXE 02	HXE 42
	HXE 12	HXE 40
	HXE 03	HXE 43
	HXE 05	HXE 45
	HXE 06	HXE 46
	HXE 07	HXE 48 <sup>1)</sup>
	HXE 87	HXE 47

<sup>1)</sup> Available also with Coupling nut with special coating as HXE 49



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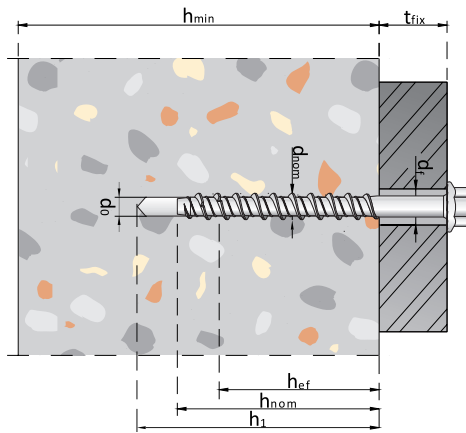
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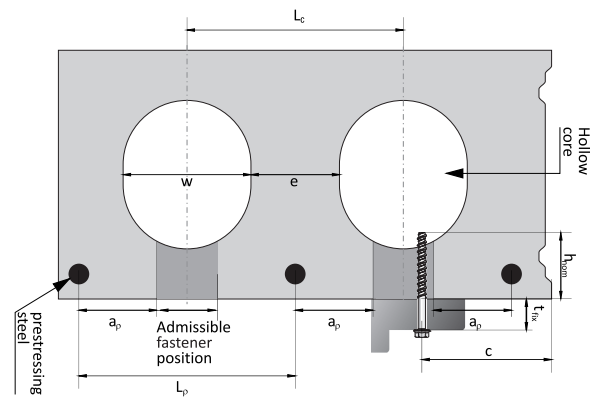
### 3 - Installation

Installation conditions in normal weight concrete



$d_{nom}$	Outside diameter of fastener
$d_{cut}$	Maximum cutting diameter of the drill bit
$t_{fix}$	Thickness of the fixtures
$d_o$	Diameter of the drill hole
$d_f$	Diameter of the clearance hole in the fixture
$h_{min}$	Minimum thickness of the concrete member
$h_{nom}$	Overall fastener embedment depth
$h_{ef}$	Anchorage depth

Installation conditions in hollow core slab



$a_p$	Minimum spacing between prestressing steel and fastener position
$L_p$	Minimum prestressing steel distance
$L_c$	Minimum core spacing
$e$	Width of the concrete flange
$w$	Width of the hole section in the core

#### 3.1 - Installation data valid for all anchor types

Table B1: installation details


Denomination			HXEØ6		HXEØ8	
Nominal drill hole diameter	$d_o$	[mm]	5		6	
Cutting diameter of drill bit	$d_{cut}$	[mm]	5,35		6,40	
Diameter of clearance in the fixture	$d_f$	[mm]	7		9	
Outside diameter of fastener	$d_{nom}$	[mm]	6		8	
<b>Overall anchor embedment depth in the concrete</b>	$h_{nom}$	[mm]	<b>35</b>	<b>55</b>	<b>35</b>	<b>45</b>
Effective anchorage depth	$h_{ef}$	[mm]	27	45	27	36
Minimum length of the fastener	L	[mm]	36	56	36	46
Depth of drill hole	$h_1$	[mm]	50	75	50	60
Minimum thickness of concrete member	$h_{min}$	[mm]	80	90	80	80
Minimum edge distance	$c_{min}$	[mm]	40	40	35	35
Minimum spacing	$S_{min}$	[mm]	35	35	35	35

Table B2: Head related installation details

Wrench size HXE 01- HXE 41	SW	[-]	8	10
Wrench size HXE 85 - HXE 40 - HXE 02 - HXE 42 - HXE 12 - HXE 44	SW	[-]	4	5
Hexalobular recess size HXE 03 - HXE 43 - HXE 05 - HXE 45 - HXE 06 - HXE 46	T	[-]	T-30	T-30
Wrench size of the coupling nut HXE 07 - HXE 48 - HXE 49 - HXE 87 - HXE 47	SW	[-]	10	13
Maximum tightening torque of the nut for HXE 02 and HXE 12	$T_{max}$	[Nm]	10	20

All head requires an impact screw driver (impact wrench) with maximum 185 Nm torque



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### 3.2 - Installation

<p><b>HXE01</b> <b>HXE41</b></p>		<p>Step 1 Step 2 Step 3 Step 4</p>
<p>Step 1 Step 2 Step 3 Step 4</p>	<p>Drill a hole into the concrete in rotary plus hammer mode. The hole must be 2 [mm] less than the outside diameter of the anchor</p> <p>Remove the dust into the hole using a brush and a blowing pump</p> <p>Place the fixture</p> <p>Install the anchor using an impact screwdriver</p>	
<p><b>HXE02</b> <b>HXE12</b></p>		<p>Step 1 Step 2 Step 3 Step 4 Step 5</p>
<p>Step 1 Step 2 Step 3 Step 4 Step 5</p>	<p>Drill a hole into the concrete in rotary plus hammer mode. The hole must be 2 [mm] less than the outside diameter of the anchor</p> <p>Remove the dust into the hole using a brush and a blowing pump</p> <p>Place the fixture</p> <p>Install the anchor using an impact screwdriver</p> <p>Tight the nut applying the required torque moment with <math>T &lt; T_{max}</math></p> <p><sup>1)</sup> Through fixing is allowed (place the fixture before placing the anchor)</p>	
<p><b>HXE03</b> <b>HXE43</b> <b>HXE05</b> <b>HXE06</b></p>		<p>Step 1 Step 2 Step 3 Step 4</p>
<p>Step 1 Step 2 Step 3 Step 4</p>	<p>Drill a hole into the concrete in rotary plus hammer mode. The hole must be 2 [mm] less than the outside diameter of the anchor</p> <p>Remove the dust into the hole using a brush and a blowing pump</p> <p>Place the fixture</p> <p>Install the anchor using an impact screwdriver</p>	
<p><b>HXE07</b> <b>HXE87</b></p>		<p>Step 1 Step 2 Step 3 Step 4</p>
<p>Step 1 Step 2 Step 3 Step 4</p>	<p>Drill a hole into the concrete in rotary plus hammer mode. The hole must be 2 [mm] less than the outside diameter of the anchor</p> <p>Remove the dust into the hole using a brush and a blowing pump</p> <p>Install the anchor using an impact screwdriver</p> <p>Place the fixture</p>	



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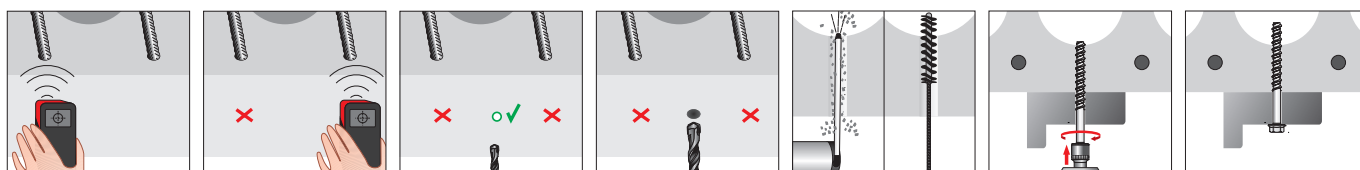
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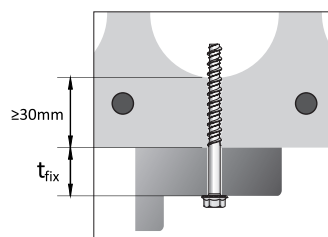
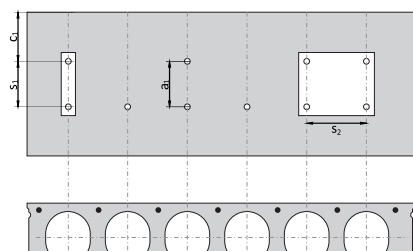


### 3.3 - Installation instructions in Hollow core slab



Step 1	Find and mark the position of the prestressing element; fastener shall be placed between those element
Step 2	Drill a hole into the concrete in rotary plus hammer mode
Step 3	Remove the dust into the hole using a brush and a blowing pump
Step 4	Place the fixture
Step 5	Install the fastener using an impact screw driver (impact wrench)



#### Edge Distance and spacing for Hollow core slab installation



Minimum thickness of concrete slab

Denomination	h <sub>nom</sub> [mm]	HXE Ø6		HXE Ø8	
		C <sub>1</sub>	C <sub>2</sub>	S <sub>1</sub>	S <sub>2</sub>
Nominal embedment depth	35	55	35	45	
Minimum edge distance 30 mm Thickness	100	100	100	100	
Minimum edge distance 50 mm Thickness	100	135	100	110	
Minimum fastener spacing	200	200	200	200	
Minimum group spacing	200	200	200	200	
Minimum core spacing	100	100	100	100	
Minimum prestressing steel distance	100	100	100	100	
Minimum spacing between prestressing steel and fastener position	100	100	100	100	

### 3.4 - Tools for installation

Drill bit			Blowing pump
	size HXE	Drill bit item code	
	Ø 5	EO 01 05 160	
		EOX 41 05 160	
	Ø 6	EO 01 06 210	
EOX 41 06 210			

Item code: DW 01 00 001



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### 4 - Declared performance according to EAD 330747-00-0601

#### 4.1 - Performances for design method A, tension, in concrete C20/25 to C50/60

Type of fastener / Size			HXE Ø6		HXE Ø8	
<b>Steel failure</b>						
Characteristic Resistance	$N_{Rk,s}$	[kN]	14,7		21,2	
Partial safety factor	$\gamma_{Ms}^{(1)}$	-	1,41		1,41	
<b>Pull-out failure</b>						
Nominal embedment depth	$h_{nom}$	[mm]	35	55	35	45
Effective embedment depth	$h_{ef}$	[mm]	27	45	27	36
Characteristic Resistance in uncracked concrete C20/25	$N_{Rk,p}$	[kN]	5,5	9,5	6,0	6,5
Characteristic Resistance in cracked concrete C20/25			2,5	5,0	3,0	3,5
Installation safety factor	$\gamma_{inst}$	[-]	1,0		1,2	
Increasing factors for $N_{Rk,p}$ for cracked and uncracked concrete	$\psi_c$	C30/37	1,13		1,22	1,18
		C40/50	1,23		1,41	1,32
		C50/60	1,32		1,58	1,44
<b>Concrete cone failure and splitting failure</b>						
Spacing	$S_{cr,N}$	[mm]	3 x $h_{ef}$			
Edge distance	$C_{cr,N}$	[mm]	1,5 x $h_{ef}$			
Spacing (splitting)	$S_{cr,sp}$	[mm]	100	150	120	150
Edge distance (splitting)	$C_{cr,sp}$	[mm]	50	75	60	75


#### 4.2- Performances for design method A, shear, in concrete C20/25 to C50/60

Type of fastener / Size			HXE Ø6		HXE Ø8	
<b>Steel failure without level arm</b>						
Characteristic Resistance	$V_{Rk,s}^0$	[kN]	5,1		8,7	
Partial safety factor	$\gamma_{Ms}^{(1)}$	-	1,50		1,50	
<b>Steel failure with level arm</b>						
Characteristic bending Resistance	$M_{Rk,s}^0$	[mm]	11		19	
Ductility factor	$k_7$	[-]	0,8		0,8	
Partial safety factor	$\gamma_{Ms}^{(1)}$	[-]	1,5		1,5	
<b>Concrete pryout failure</b>						
Nominal embedment depth	$h_{nom}$	[mm]	35	55	35	45
Effective embedment depth	$h_{ef}$	[mm]	27	45	27	36
Factor for pryout	$k_g$	[-]	1,0		1,0	
<b>Concrete edge failure</b>						
Effective diameter of the fastener for shear	$d_{nom}$	[mm]	5		6	
Effective length of the fastener	$l_f$	[mm]	35	55	35	45

<sup>1)</sup> In absence of other national regulations.





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#### 4 - Declared performance according to EAD 330747-00-0601

##### 4.3- Performances for design method B, in precast prestressed hollow core slabs C45/55

Type of fastener / Size			HXE Ø6		HXE Ø8	
<b>Hollow Core Slab – 30 mm Thickness</b>						
Nominal embedment depth	$h_{nom}$	[mm]	35	55	35	45
Effective embedment depth in concrete	$h_{ef}$	[mm]	27	30	27	30
Basic Design Resistance	$F_{Rk}^0$	[kN]	2,5		3,5	
Installation safety factor	$\gamma_{inst}$	[-]	1,0		1,2	
Characteristic edge distance	$C_{cr}$	[mm]	100		100	
Characteristic spacing	$S_{cr}$	[mm]	200		200	
<b>Hollow Core Slab – 50 mm Thickness</b>						
Nominal embedment depth	$h_{nom}$	[mm]	35	55	35	45
Effective embedment depth in concrete	$h_{ef}$	[mm]	27	45	27	36
Basic Design Resistance	$F_{Rk}^0$	[kN]	5		7	
Installation safety factor	$\gamma_{inst}$	[-]	1,0		1,2	
Characteristic edge distance	$C_{cr}$	[mm]	100	135	100	110
Characteristic spacing	$S_{cr}$	[mm]	200		200	





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#### 4 - Declared performance according to EAD 330747-00-0601

##### 4.4- Performances under fire exposure in concrete C20/25 to C50/60 (tension)

Type of fastener / Size			HXE Ø8
Nominal embedment depth	$h_{nom}$	[mm]	45
<b>Steel failure</b>			
Characteristic Resistance, exposure time 30 minutes	$N_{Rk,s,fi,30}$	[kN]	0,3
Characteristic Resistance, exposure time 60 minutes	$N_{Rk,s,fi,60}$	[kN]	0,3
Characteristic Resistance, exposure time 90 minutes	$N_{Rk,s,fi,90}$	[kN]	0,2
Characteristic Resistance, exposure time 120 minutes	$N_{Rk,s,fi,120}$	[kN]	0,1
<b>Pullout failure</b>			
Characteristic Resistance, exposure time 30 minutes	$N_{Rk,p,fi,30}$	[kN]	0,8
Characteristic Resistance, exposure time 60 minutes	$N_{Rk,p,fi,60}$	[kN]	0,8
Characteristic Resistance, exposure time 90 minutes	$N_{Rk,p,fi,90}$	[kN]	0,8
Characteristic Resistance, exposure time 120 minutes	$N_{Rk,p,fi,120}$	[kN]	0,6
<b>Concrete cone failure</b>			
Characteristic Resistance, exposure time 30 minutes	$N_{Rk,c,fi,30}$	[kN]	1,3
Characteristic Resistance, exposure time 60 minutes	$N_{Rk,c,fi,60}$	[kN]	1,3
Characteristic Resistance, exposure time 90 minutes	$N_{Rk,c,fi,90}$	[kN]	1,3
Characteristic Resistance, exposure time 120 minutes	$N_{Rk,c,fi,120}$	[kN]	1,1
<b>Edge distances and spacing</b>			
Spacing	$S_{cr,N}$	[mm]	$4 \cdot h_{ef}$
Edge Distance	$C_{cr,N}$	[mm]	$2 \cdot h_{ef}$
Minimum edge distance in case of fire exposure from one side	$C_{min}$	[mm]	$2 \cdot h_{ef}$
Minimum edge distance in case of fire exposure from more than one side	$C_{min}$	[mm]	$\max \{300, 2 \cdot h_{ef}\}$



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HXE03 - HXE43 - HXE05 - HXE45 - HXE06 - HXE46 - HXE07 - HXE47  
HXE49 - HXE87 - HXE47**

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#### 4 - Declared performance according to EAD 330747-00-0601

#### 4.5- Performances under fire exposure in concrete C20/25 to C50/60 (shear)

Type of fastener / Size			HXE Ø8
Nominal embedment depth	$h_{nom}$	[mm]	45
<b>Steel failure without level arm</b>			
Characteristic Resistance, exposure time 30 minutes	$V_{Rk,s,fi,30}$	[kN]	0,3
Characteristic Resistance, exposure time 60 minutes	$V_{Rk,s,fi,60}$	[kN]	0,3
Characteristic Resistance, exposure time 90 minutes	$V_{Rk,s,fi,90}$	[kN]	0,2
Characteristic Resistance, exposure time 120 minutes	$V_{Rk,s,fi,120}$	[kN]	0,1
<b>Steel failure with level arm</b>			
Characteristic Resistance, exposure time 30 minutes	$M^0_{Rk,s,fi,30}$	[kN]	0,3
Characteristic Resistance, exposure time 60 minutes	$M^0_{Rk,s,fi,60}$	[kN]	0,2
Characteristic Resistance, exposure time 90 minutes	$M^0_{Rk,s,fi,90}$	[kN]	0,2
Characteristic Resistance, exposure time 120 minutes	$M^0_{Rk,s,fi,120}$	[kN]	0,1
<b>Pryout failure</b>			
Factor for pryout	$k_g$	[-]	1
Characteristic Resistance, exposure time 30 minutes	$V_{Rk,cp,fi,30}$	[kN]	1,3
Characteristic Resistance, exposure time 60 minutes	$V_{Rk,cp,fi,60}$	[kN]	1,3
Characteristic Resistance, exposure time 90 minutes	$V_{Rk,cp,fi,90}$	[kN]	1,3
Characteristic Resistance, exposure time 120 minutes	$V_{Rk,cp,fi,120}$	[kN]	1,1
<b>Concrete Edge Failure</b>			
The characteristic resistance $V_{Rk,cp,fi,Ri}$ in concrete C20/25 to C50/60 is determined by: $V^0_{Rk,c,fi(90)} = 0,25 \times V^0_{Rk,c}$ (R30, R60, R90) and $V^0_{Rk,c,fi(120)} = 0,20 \times V^0_{Rk,c}$ (R120) with $V^0_{Rk,c}$ as an initial value of the characteristic resistance of a single fastener in cracked concrete C20/25			



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HXE03 - HXE43 - HXE05 - HXE45 - HXE06 - HXE46 - HXE07 - HXE47  
HXE49 - HXE87 - HXE47**

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**Tabella 5 - Item codes**

Ø6			Ø8					Ø8				
Code	Tfix [mm]		Code	Tfix [mm]		Code	Tfix [mm]		Code	Tfix [mm]		
	h <sub>nom</sub> 55mm	h <sub>nom</sub> 35mm		h <sub>nom</sub> 45mm	h <sub>nom</sub> 35mm		h <sub>nom</sub> 45mm	h <sub>nom</sub> 35mm				
HXE 01 06 040	-	5	HXE 01 08 040	-	5	HXE 05 08 040	-	5				
HXE 01 06 060	5	25	HXE 01 08 050	5	15	HXE 05 08 050	5	15				
HXE 01 06 080	25	45	HXE 01 08 065	20	30	HXE 05 08 065	20	30				
HXE 41 06 040	-	5	HXE 01 08 080	35	45	HXE 05 08 080	35	45				
HXE 41 06 060	5	25	HXE 01 08 100	55	65	HXE 05 08 100	55	65				
HXE 41 06 080	25	45	HXE 01 08 120	75	85	HXE 05 08 120	75	85				
HXE 07 06 06 037	-	-	HXE 01 08 140	95	105	HXE 05 08 140	95	105				
HXE 07 06 08 037	-	-	HXE 41 08 040	-	5	HXE 06 08 040	-	5				
HXE 07 66 08 037	-	-	HXE 41 08 050	5	15	HXE 06 08 050	5	15				
HXE 03 06 045	-	10	HXE 41 08 065	20	30	HXE 06 08 065	20	30				
HXE 03 06 065	10	30	HXE 41 08 080	35	45	HXE 06 08 080	35	45				
HXE 03 06 080	25	45	HXE 41 08 100	55	65	HXE 06 08 100	55	65				
HXE 43 06 045	-	10	HXE 41 08 120	75	85	HXE 06 08 120	75	85				
HXE 43 06 065	10	30	HXE 41 08 140	95	105	HXE 06 08 140	95	105				
HXE 43 06 080	25	45	HXE 07 08 06 037	-	-	HXE 45 08 040	-	5				
HXE 05 06 040	-	5	HXE 07 08 08 037	-	-	HXE 45 08 050	5	15				
HXE 05 06 060	5	25	HXE 07 08 10 037	-	-	HXE 45 08 065	20	30				
HXE 05 06 080	25	45	HXE 07 88 10 037	-	-	HXE 45 08 080	35	45				
HXE 06 06 040	-	5	HXE 03 08 045	-	10	HXE 45 08 100	55	65				
HXE 06 06 060	5	25	HXE 03 08 055	10	20	HXE 45 08 120	75	85				
HXE 06 06 080	25	45	HXE 03 08 070	25	35	HXE 45 08 140	95	105				
HXE 06 06 100	45	65	HXE 03 08 100	55	65	HXE 46 08 040	-	5				
HXE 06 06 120	65	85	HXE 03 08 140	95	105	HXE 46 08 050	5	15				
HXE 06 06 140	85	105	HXE 43 08 045	-	10	HXE 46 08 065	20	30				
HXE 06 06 160	105	125	HXE 43 08 055	10	20	HXE 46 08 080	35	45				
HXE 45 06 040	-	5	HXE 43 08 070	25	35	HXE 46 08 100	55	65				
HXE 45 06 060	5	25	HXE 43 08 100	55	65	HXE 46 08 120	75	85				
HXE 45 06 080	25	45	HXE 43 08 140	95	105	HXE 46 08 140	95	105				
HXE 46 06 040	-	5										
HXE 46 06 060	5	25	<b>Code</b>	min	max	min	max					
HXE 46 06 080	25	45	HXE 02 08 090	20	28	30	38					
HXE 46 06 100	45	65	HXE 02 08 120	50	58	60	68					
HXE 46 06 120	65	85	HXE 02 08 160	90	98	100	108					
HXE 46 06 140	85	105	HXE 12 08 090	20	28	30	38					
HXE 46 06 160	105	125	HXE 12 08 120	50	58	60	68					
			HXE 12 08 160	90	98	100	108					
			HXE 85 08 090	20	28	30	38					
			HXE 85 08 120	50	58	60	68					
			HXE 85 08 160	90	98	100	108					



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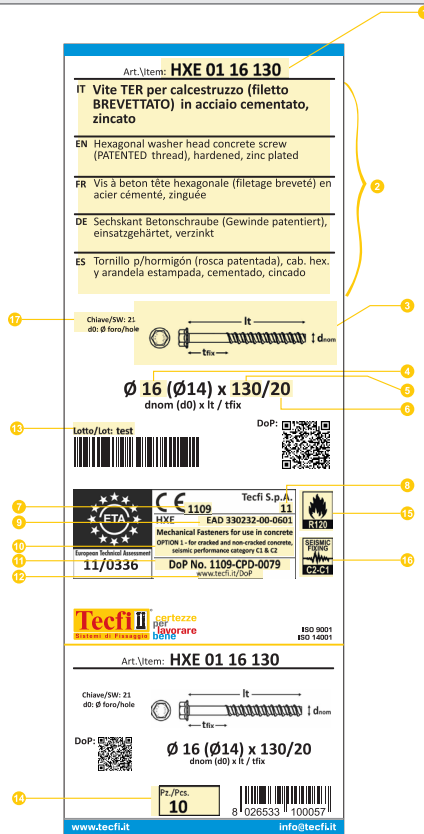
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## 6 - Label



- |  |   |
|--|---|
| 1 Item Code  | 10 Intended use of the product as laid down in the European standard applied, level of performance declared |
| 2 Descriptions   | 11 DoP Number   |
| 3 Picture  | 12 Link to DoP  |
| 4 Anchor Diameter ( $d_{nom}$ )                                      | 13 Lot Number   |
| 5 Anchor Length (L)  | 14 Number of Pieces per Box   |
| 6 Maximum Thickness of fixture ( $t_{fix}$ )                         | 15 Fire Resistance  |
| 7 Identification number of the Notified Body                         | 16 Seismic Assessment   |
| 8 Last two digits of the year in which the marking was first affixed | 17 Wrench Size / hexalobular socket number  |
| 9 European Technical Specification                                   |   |

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Name and function	Place and date of issue	Signature
President Antonio Guarino	Pastorano, January 15 <sup>th</sup> 2022	