



STATEMENT OF CHARACTERISTICS
In accordance with the Construction Products Regulation No: 305/2011

Nr.: 02/22 ANG

1. Unique identification of the product type:

TXH7

2. Intended use or intended uses of the construction product in accordance with the harmonized technical specification in force as foreseen by the manufacturer:

Torsion-controlled galvanized metal anchor of size M8, M10, M12 and M16 for installation in uncracked concrete

3. Name, registered trade name or registered trade mark and address of the manufacturer in accordance with article 11 (5):

AS system d.o.o., Obrtniška ulica 14, 3240 Šmarje pri Jelšah, Slovenija, www.as-system.si

4. System or systems of assessment and verification of constancy of performance of a construction product, as specified in Annex V:

System 1

5. European Assessment Document: EAD 330232-01-0601
European Technical Assessment: ETA-21/0597
Technical Assessment Body: ZAG

6. Certificate of Acceptance of Properties: 1404-CPR-2972
Notified Body: ZAG (1404)



Features listed:			Properties		
			M8	M10	M12
Installation information					
d_0	Nominal drill diameter	[mm]	8	10	12
h_{nom}	Anchoring depth	[mm]	55	61	72
h_{ef}	Effective anchoring depth	[mm]	46	49	55
h_{min}	Minimum thickness of the concrete element	[mm]	100	100	120
T_{inst}	Tightening torque	[Nm]	15	45	65
S_{min}	Minimum spacing	[mm]	60	70	100
C_{min}	Minimal deviation from the edge	[mm]	60	60	150
Tensile failure steel					
$N_{Rk,s}$	Characteristic tensile strength of steel	[kN]	17,2	26,5	37,9
$\gamma_{Ms}^{1)}$	Partial safety factor	[-]		1,5	
Pull-out demolition					
$N_{Rk,p}$	Characteristic tensile strength	[kN]	8	10	14
$\gamma_{inst}^{1)}$	Partial safety factor	[-]		1,0	
$\gamma_{Mp}^{2)}$		[-]		1,5	
		C25/30	1,06	1,06	1,08
		C30/37	1,10	1,12	1,16
ψ_c	Factor to increase the value of $N_{Rk,p}$	C35/45	1,15	1,18	1,23
		C40/50	1,19	1,23	1,29
		C45/55	1,23	0,28	1,35
		C50/60	1,27	0,32	1,41
Formation of a concrete cone and split rupture					
k_{ucr}	Uncracked concrete factor	[-]		11,0	
$S_{cr,N}$	Characteristic spacing	[mm]	138	147	165
$C_{cr,N}$	Characteristic deviation from the edge	[mm]	69	73,5	82,5
$S_{cr,sp}$	Characteristic spacing (splitting)	[mm]	230	250	290
$C_{cr,sp}$	Characteristic deviation from the edge (splitting)	[mm]	115	125	145
$\gamma_{Msp}^{1)}$	Partial safety factor	[-]		1,5	
Tensile loads between users					
Uncracked concrete C20/25 - C50/60					
N	Tensile load during use	[kN]	3,8	4,8	6,7
δ_{N0}	Short movement	[mm]	0,12	0,04	0,05
$\delta_{N\infty}$	Long movement	[mm]	0,12	0,12	0,12

¹⁾ If no nationally determined value is available

²⁾ Partial safety factor included $\gamma_{inst} = 1,0$

<p>The characteristics of the product referred to in point 1 shall be in accordance with those set out in point 7.</p> <p>The manufacturer referred to in point 3 is solely responsible for issuing this declaration of performance:</p> <p>Signed for and on behalf of the manufacturer:</p>		
Name and position	Place and date of issue	Signature
Aleš Seidl, direktor	Šmarje pri Jelšah, 20.10.2022	