

	STATEMENT OF CHARACTERISTICS In accordance with the Construction Products Regulation No: 305/2011
	Nr.: 16/0002

1. Unique identification of the product type:
TX

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 cracked concrete in dry interior conditions.

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:
Sistem 1

5. European Assessment Document:	ETAG 001-1 and ETAG 0012
European Technical Assessment:	ETA-14/0073
Technical Assessment Body:	ZAG

6. Certificate of Acceptance of Properties: 1404-CPR-2418d
Notified Body: ZAG (1404)

7. Features listed:			Dimensions			
			M8	M10	M12	M16
Installation information						
d₀	Nominal drill diameter	[mm]	8	10	12	16
h_{nom}	Anchor depth	[mm]	55	60	80	100
h_{ef}	Effective anchor depth	[mm]	41	45	62	77
h_{min}	Minimum thickness of concrete element	[mm]	150	150	200	200
T_{inst}	Tightening torque	[Nm]	23	45	65	140
s_{min}	Minimum spacing between them	[mm]	50	60	70	110
c_{min}	Minimum clearance from the edge	[mm]	60	70	85	130

7. Listed Properties (Continued):			Dimenzije			
			M8	M10	M12	M16
Tensile fracture of steel						
$N_{Rk,s}$	Characteristic resistance for tensile fracture of steel	[kN]	17,1	30,6	36,2	68,2
γ_{MsN}	Partial safety factor	[-]	1,4			
Izvek sidra						
$N_{Rk,p}$	Characteristic pull resistance in non-cracked concrete	[kN]	9	12	16	20
γ_2	Partial safety factor	[-]	1	1,2		
γ_{Mp}		[-]	1,5	1,8		
$S_{cr,N}$	Characteristic spacing	[mm]	123	135	186	231
$C_{cr,N}$	Characteristic spacing	[mm]	61	68	93	115
$\psi_{C30/37}$	Increase factor $N_{Rk, p}$ in cracked concrete	[-]	1,08		1	1,22
$\psi_{C40/50}$		[-]	1,17			1,41
$\psi_{C50/60}$		[-]	1,25			1,55
Splitting demolition						
$S_{cr,sp}$	Characteristic spacing	[mm]	246	270	372	462
$C_{cr,sp}$	Characteristic deviation from the edge	[mm]	123	135	186	231
Shifts in tensile load during use						
Beton C20/25						
N	Tensile load during use	[kN]	4,3	4,8	6,3	7,9
δ_{N0}	Short-term shift	[mm]	0,09	0,08	0,09	0,19
$\delta_{N\infty}$	Prolonged scroll	[mm]	0,09	0,08	0,09	0,19
Beton C50/60						
N	Tensile load during use	[kN]	5,4	6	6,3	12,2
δ_{N0}	Short-term shift	[mm]	0,1	0,09	0,07	0,38
$\delta_{N\infty}$	Prolonged scroll	[mm]	0,31	0,31	0,31	0,38
Shear failure of steel						
$V_{Rk,s}$	Characteristic resistance for shear failure of steel	[kN]	8,5	15,3	18,1	20,8
$M^0_{Rk,s}$	The characteristic value of the bending moment for steel fracture	[Nm]	15,1	63,3	50	130,9
γ_{MsV}	The pertinent safety factor	[-]	1,5			
Shear bursting at the corner of the element						
l_{ef}	Effective anchor depth	[mm]	41	45	62	77
Shifts in shear load during use						
V	Shear load during use	[kN]	4,1	7,3	8,6	9,9
δ_{V0}	Short-term shift	[mm]	3,06	1,81	1,12	0,76
$\delta_{V\infty}$	Prolonged scroll	[mm]	4,59	2,72	1,68	1,14

8.

The characteristics of the product referred to in point 1 are consistent with those of point 7.

The responsibility for issuing this declaration of performance lies solely with the manufacturer referred to in point 3:

Signed for and on behalf of the manufacturer:

Name and position	Place and date of issue	Signature
Aleš Seidl, Director	Šmarje pri Jelšah, 29.10.16	