

ANCORANTE A VITE TSM-S



IMPIEGO

Ancorante a vite in acciaio a testa esagonale con doppia filettatura sulla lunghezza e zigrinatura autobloccante sotto testa per posa diretta su calcestruzzo, certificato ETA opzione 1, idoneo per calcestruzzo fessurato e non fessurato, pietra naturale e mattone pieno.

Certificato per applicazioni sismiche in categoria C1/C2 ($\varnothing 8-12$) per profondità di ancoraggio $h_{nom} 3$

Caratteristiche:

- ridotto diametro di foratura- ottima resistenza alle vibrazioni- permette un ridotto interasse tra ancoranti in quanto l'ancoraggio è privo di espansione

MONTAGGIO

Identificare l'utensile più adatto per montare questo tassello, eseguire e pulire accuratamente il foro. Procedere con l'installazione dopo aver verificato i valori di caricabilità

DATI TECNICI

Materiale: Acciaio, elettrozincato

Estratto dalle condizioni di uso ETA-16/0655 Carichi indicati senza considerare influenza interasse e distanza dal bordo. Fattori di sicurezza in accordo a ETAG 001 (YM YF).

PROSYSTEM ITALIA SRL

Via Friuli venezia Giulia, 15
30030 Pianiga - Venezia - Italy
T +39.041.510.1622
F +39.041.5131351

P.IVA 03470750278
Reg.Imp. Ve 03470750278
Cap.soc. € 90.000,00
REA Padova n° 311219

info@prosystemitalia.com
prosystemitalia.com

Diametro 8 mm

	Anchoring depthhnom1 45 mm	Anchoring depthhnom2 55 mm	Anchoring depthhnom3 65 mm
Drive	SW13	SW13	SW13
Nominal diameter of drill d0 [mm]	8	8	8
Depth of bore hole h1 [mm]	55	65	75
Perm. tensile load cracked concrete			
C20/25 [kN]	2.4	4.3	5.7
C25/30 [kN]	2.6	4.7	6.3
C30/37 [kN]	2.9	5.2	7.0
C40/50 [kN]	3.4	6.1	8.1
C50/60 [kN]	3.7	6.6	8.9
Perm. tensile load non-cracked concrete			
C20/25 [kN]	3.6	5.7	7.6
C25/30 [kN]	3.9	6.3	8.3
C30/37 [kN]	4.3	7.0	9.3
C40/50 [kN]	5.1	8.1	10.8
C50/60 [kN]	5.5	8.9	11.8
Min. thickness of component hmin [mm]	100	100	120
Charact. centre distance scr,N	105	129	156
Charact. edge distance ccr,N	52.5	64.5	78
Min. centre distance smin [mm]	40	50	50
Min. edge distance cmin [mm]	40	50	50
Clearance hole in component ≤ [mm]	12	12	12
Perm. bending moment Mzul [Nm]	14.9	14.9	14.9
Recommended max. torque Tinst [Nm]	20	20	20

PROSYSTEM ITALIA SRL

Via Friuli venezia Giulia, 15
30030 Pianiga - Venezia - Italy
T +39.041.510.1622
F +39.041.5131351

P.IVA 03470750278
Reg.Imp. Ve 03470750278
Cap.soc. € 90.000,00
REA Padova n° 311219

info@prosystemitalia.com
prosystemitalia.com

Perm. loads under stress of fire in cracked/non-cracked concrete C20/25 to C50/60

	Anchoring depthhnom1 45 mm	Anchoring depthhnom2 55 mm	Anchoring depthhnom3 65 mm
Perm. tensile load R30 perm. F [kN]	1.3	2.2	2.4
Perm. tensile load R60 perm. F [kN]	1.3	1.7	1.7
Perm. tensile load R90 perm. F [kN]	1.1	1.1	1.1
Perm. tensile load R120 perm. F [kN]	0.7	0.7	0.7
Charact. centre distance scr,fi	140	172	208
Charact. edge distance ccr,fi	70	86	104

Diametro 10 mm

	Anchoring depthhnom1 55 mm	Anchoring depthhnom2 75 mm	Anchoring depthhnom3 85 mm
Drive	SW15	SW15	SW15
Nominal diameter of drill d0 [mm]	10	10	10
Depth of bore hole h1 [mm]	65	85	95
Perm. tensile load cracked concrete			
C20/25 [kN]	4.3	8.0	9.6
C25/30 [kN]	4.7	8.7	10.5
C30/37 [kN]	5.2	9.7	11.7
C40/50 [kN]	6.1	11.3	13.6
C50/60 [kN]	6.6	12.3	14.9
Perm. tensile load non-cracked concrete			
C20/25 [kN]	5.7	9.5	11.9
C25/30 [kN]	6.3	10.4	13.0
C30/37 [kN]	7.0	11.6	14.5

PROSYSTEM ITALIA SRL

Via Friuli venezia Giulia, 15
30030 Pianiga - Venezia - Italy
T +39.041.510.1622
F +39.041.5131351

P.IVA 03470750278
Reg.Imp. Ve 03470750278
Cap.soc. € 90.000,00
REA Padova n° 311219

info@prosystemitalia.com
prosystemitalia.com

C40/50 [kN]	8.1	13.5	16.8
C50/60 [kN]	8.9	14.8	18.4
Min. thickness of component h _{min} [mm]	100	130	130
Charact. centre distance s _{cr,N}	129	180	204
Charact. edge distance c _{cr,N}	64.5	90	102
Min. centre distance s _{min} [mm]	50	50	50
Min. edge distance c _{min} [mm]	50	50	50
Clearance hole in component \leq [mm]	14	14	14
Perm. bending moment M _{zul} [Nm]	32	32	32
Recommended max. torque T _{inst} [Nm]	40	40	40

Perm. loads under stress of fire in cracked/non-cracked concrete C20/25 to C50/60

	Anchoring depth h _{nom1} 55 mm	Anchoring depth h _{nom2} 75 mm	Anchoring depth h _{nom3} 85 mm
Perm. tensile load R30 perm. F [kN]	2.2	4.2	4.4
Perm. tensile load R60 perm. F [kN]	2.2	3.3	3.3
Perm. tensile load R90 perm. F [kN]	2.2	2.2	2.2
Perm. tensile load R120 perm. F [kN]	1.7	1.7	1.7
Charact. centre distance s _{cr,fi}	172	240	272
Charact. edge distance c _{cr,fi}	86	120	136

Diametro 12 mm

	Anchoring depth h _{nom1} 65 mm	Anchoring depth h _{nom2} 85 mm	Anchoring depth h _{nom3} 100 mm
Drive	SW17	SW17	SW17
Nominal diameter of drill d ₀ [mm]	12	12	12
Depth of bore hole h ₁ [mm]	75	95	110

PROSYSTEM ITALIA SRL

Via Friuli venezia Giulia, 15
30030 Pianiga - Venezia - Italy
T +39.041.510.1622
F +39.041.5131351

P.IVA 03470750278
Reg.Imp. Ve 03470750278
Cap.soc. € 90.000,00
REA Padova n° 311219

info@prosystemitalia.com
prosystemitalia.com

Perm. tensile load cracked concrete			
C20/25 [kN]	5.7	9.4	12.3
C25/30 [kN]	6.3	10.3	13.4
C30/37 [kN]	7.0	11.4	14.9
C40/50 [kN]	8.1	13.3	17.3
C50/60 [kN]	8.9	14.6	19.0
Perm. tensile load non-cracked concrete			
C20/25 [kN]	7.6	13.2	17.2
C25/30 [kN]	8.3	14.4	18.8
C30/37 [kN]	9.3	16.0	20.9
C40/50 [kN]	10.8	18.7	24.3
C50/60 [kN]	11.8	20.4	26.7
Min. thickness of component h_{min} [mm]	120	130	150
Charact. centre distance $s_{cr,N}$	150	201	240
Charact. edge distance $c_{cr,N}$	75	100.5	120
Min. centre distance s_{min} [mm]	50	50	70
Min. edge distance c_{min} [mm]	50	50	70
Clearance hole in component \leq [mm]	16	16	16
Perm. bending moment M_{zul} [Nm]	64.6	64.6	64.6
Recommended max. torque T_{inst} [Nm]	60	60	60

Perm. loads under stress of fire in cracked/non-cracked concrete C20/25 to C50/60

	Anchoring depth h_{nom1} 65 mm	Anchoring depth h_{nom2} 85 mm	Anchoring depth h_{nom3} 100 mm
Perm. tensile load R30 perm. [kN]	3.0	4.9	6.4
Perm. tensile load R60 perm. F [kN]	3.0	4.9	5.8
Perm. tensile load R90 perm. [kN]	3.0	4.2	4.2

PROSYSTEM ITALIA SRL

Via Friuli venezia Giulia, 15
30030 Pianiga - Venezia - Italy
T +39.041.510.1622
F +39.041.5131351

P.IVA 03470750278
Reg.Imp. Ve 03470750278
Cap.soc. € 90.000,00
REA Padova n° 311219

info@prosystemitalia.com
prosystemitalia.com

Perm. tensile load R120 perm. [kN]	2.4	3.4	3.4
Charact. centre distance scr,fi	200	268	320
Charact. edge distance ccr,fi	100	134	160

CERTIFICATI

Certificati ETA-16/0655 e ETA-16/0656; antisismico C1/C2

[ANCORANTE A VITE TSM - ETA 16/0655](#)

Codice	Nome	Peso	Numero di pezzi
115735	8×80 mm	0.04	50
115745	10×100 mm	0.08	50
115748	12×130 mm	0.12	25

PROSYSTEM ITALIA SRL

Via Friuli venezia Giulia, 15
30030 Pianiga - Venezia - Italy
T +39.041.510.1622
F +39.041.5131351

P.IVA 03470750278
Reg.Imp. Ve 03470750278
Cap.soc. € 90.000,00
REA Padova n° 311219

info@prosystemitalia.com
prosystemitalia.com