

TRUTEK TDA SS - A4 316 INTERNAL THREADED ANCHOR



Usage:

- assembly of piping, ventilation, electrical and teletechnical installations
- fixing sprinkler and hydrant installations
- installation assembly in the food industry
- assembly of suspended ceilings and lighting

Advantages:

- one anchor for installation in non-cracked and cracked concrete
- the sleeve does not protrude above the concrete surface,
- simple removal of the attachment
- FM (M10-M20) and VdS (M8-M16) approval
- fire resistance R30-R120 (M8-M16)
- corrosion resistant anchor A4 / 316 stainless steel and stainless steel with increased corrosion resistance 1.4529



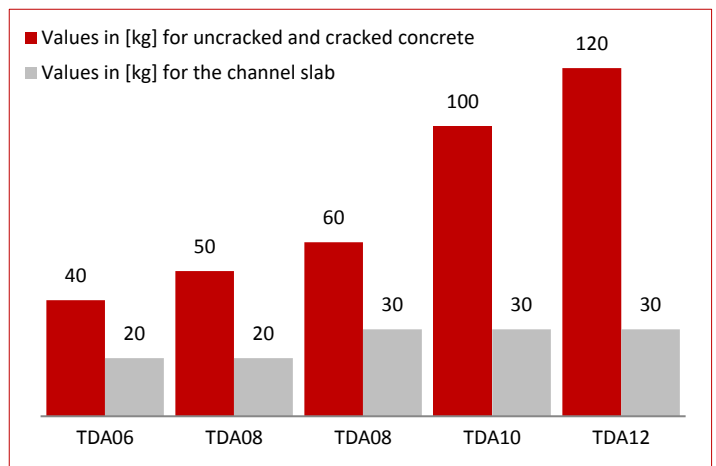
Anchor material:

TDA SS bushings stainless steel A4 / 316 stainless steel with increased corrosion resistance HCR 1.4529 (version available on request)

Substrate material:

Cracked and non-cracked concrete classes C20 / 25 to C50 / 60

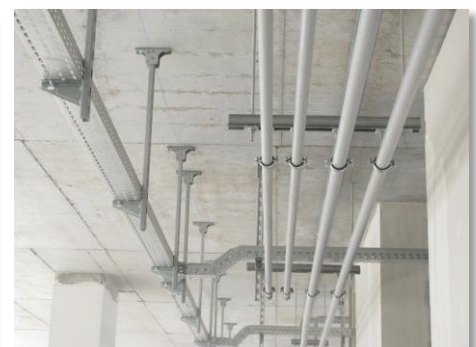
Design resistance for uprooting from cracked concrete and uncracked class C20 / 25 in kg



Method of determining TDA SS anchors		
Trutek Drop-in	Thread Size d [mm]	Version
TDA	10	SS - stainless steel A4 / 316

Technical parameters of TDA SS anchors

Product Code	Thread Size	Hole Dia in base material	Min. Hole depth	Effective anchorage depth	Min. substrate thickness	Min. Hole diameter in element to be attached	Anchor length	Setting Tools
	d [mm]	d _o [mm]	h ₁ [mm]	h _{ef} [mm]	h _{min} [mm]	d _f [mm]	L [mm]	code
TDA06SS	6	8	25	25	100	7	25	TDST06
TDA08SS	8	10	30	30	100	9	30	TDST08
TDA10SS	10	12	40	40	130	11	40	TDST10
TDA12SS	12	16	50	50	140	13	50	TDST12
TDA16SS	16	20	65	65	160	18	65	TDST16
TDA20SS	20	25	80	80	250	22	80	TDST20



Design bearing capacity of TDA SS anchors in non-cracked concrete class min. C20 / 25

Technical Date:	M6	M8x30	M8x40	M10	M12	M16	M20
Effective anchorage depth hef [mm]	25	30	40	40	50	65	80
Load-bearing capacity in uncracked concrete NRd [kN]	3,9	3,9	4,3	6,1	8,5	12,6	17,2
Shear load capacity in non-cracked concrete VRd [kN]	3,2	4,9	4,9	6,1	11,5	19,2	30,4
Anchor spacing Scr, N [mm]	90	90	120	120	150	195	240
Distance from the edge Ccr, N [mm]	45	45	60	60	75	97,5	120
Tightening torque [Nm]	4	8	8	25	35	60	120

The entire European Technical Assessment ETA-02/0020 should be taken into account when designing

Design bearing capacity of TDA SS anchors in cracked and non-cracked concrete class min. C20/25

Technical Date:	M6	M8x30	M8x40	M10	M12	M16
Effective anchorage depth hef [mm]	25	30	40	40	50	65
Tensile load capacity in cracked and non-cracked concrete NRd [kN]	1,2	1,7	2,0	2,0	2,4	6,3
Shear load capacity in cracked and non-cracked concrete VRd [kN]	1,2	1,7	2,0	2,0	2,4	6,3
Anchor spacing Scr, N [mm]	130	180	210	170	170	400
Distance from the edge Ccr, N [mm]	65	90	105	85	85	200
Tightening torque [Nm]	4	8	8	25	35	60

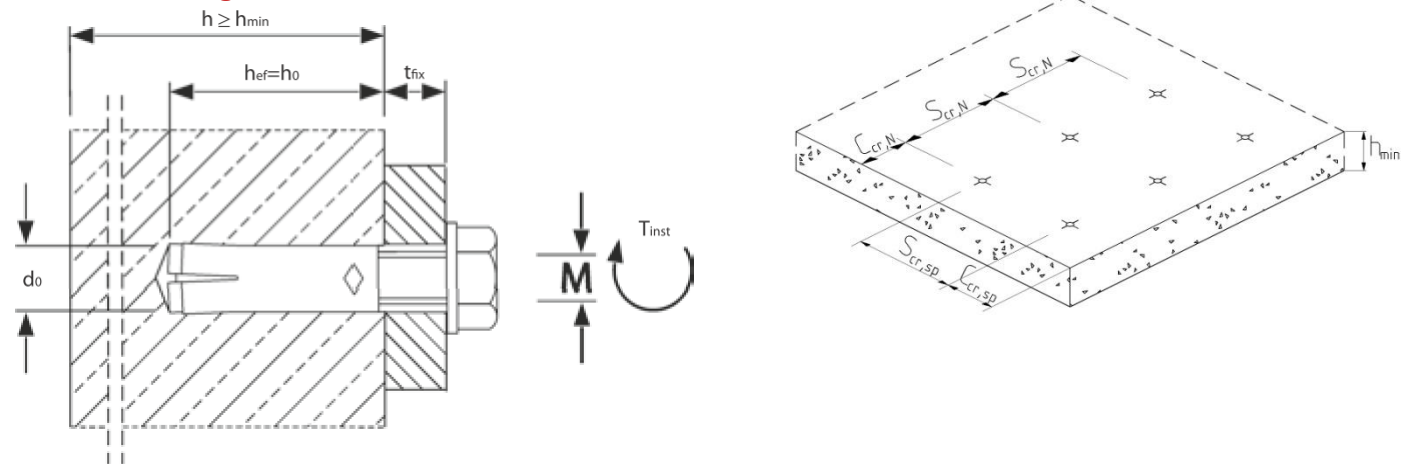
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Design bearing capacity of TDA SS anchors in cracked and non-cracked concrete of the class min. C20 / 25 in case of fire

Technical Date:	M6	M8x30	M8x40	M10	M12	M16
Effective anchorage depth hef [mm]	25	30	30	40	50	65
Tensile and shear strength R30 NRds, fi [kN]	0,8	0,9	1,5	1,5	1,5	4,0
Tensile and shear strength R60 NRds, fi [kN]	0,8	0,9	1,5	1,5	1,5	4,0
Tensile and shear strength R90 NRds, fi [kN]	0,4	0,9	0,9	1,5	1,5	3,7
Tensile and shear strength R120 NRds, fi [kN]	0,3	0,5	0,5	1,0	1,2	2,4
Anchor spacing Scr, N [mm]	130	180	210	170	200	400
Distance from the edge cCr, fi [mm]	65	80	105	85	100	200
Tightening torque [Nm]	4	8	8	25	35	60

The European technical assessment ETA-05/0116 should be taken into account when designing

Installation diagram of the TDA SS sleeve anchor



Installation diagram of the TDA SS anchor

