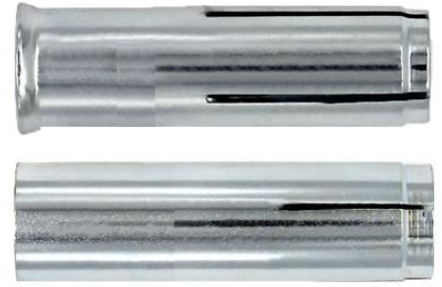


TRUTEK TDX - ANCHOR SLEEVE WITH INTERNAL THREAD



Usage:

- assembly of piping, ventilation, electrical and teletechnical installations
- fixing and securing scaffolding and formwork
- assembly of suspended ceilings and lighting

Advantages:

- one anchor for installation in non-cracked concrete
- small embedment depth - substrate thickness from 80mm
- short version and shallower fastening reduce the probability of reinforcement being hit
- the anchor does not protrude above the concrete surface
- simple removal of the attachment
- the without collar version allows deeper anchoring
- fire resistance from R30 to R120

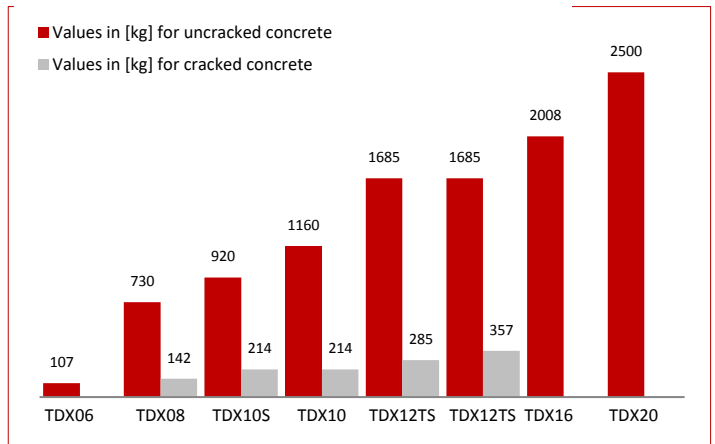
Anchor material:

TDX sleeves carbon steel Q195 acc. GB / T 70 galvanized up to 5 μ m according to EN ISO 4042,

Substrate material:

Non-cracked and cracked concrete, min class C20 / 25 to C50 / 60

Design load capacity for pulling out of concrete C20 / 25 in kg

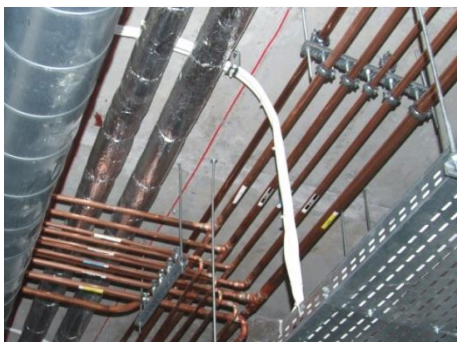


Marking method for anchors TDX

Trutek Drop-in X	Thread Size d [mm]	Short version	Version under Drill \varnothing 15mm	Version with flange
TDX	06	S	TS	L

Technical parameters of anchors TDX

Product code (collar version / collarless version)	Size thread	Drill hole Diameter	Min. Hole Depth	Efective embedment depth	Min. substrate thickness	Min. hole diameter in fixture element	Anchor Length	Tool for setting anchor
	d [mm]	d _o [mm]	h ₁ [mm]	h _{ef} [mm]	h _{min} [mm]	d _f [mm]	L [mm]	reference
TDX06 / TDX06L	6	8	28	25	80	7	25	TDST06
TDX08 / TDX08L	8	10	33	30	80	9	30	TDST08
TDX10S / TDX10SL	10	12	33	30	80	12	30	TDST10
TDX10 / TDX10L	10	12	43	40	80	12	40	TDST10
TDX12TS / TDX12TSL	12	15	54	50	100	14	50	TDST12
TDX12 / TD12L	12	16	54	50	100	14	50	TDST12
TDX16 / TDX16L	16	20	70	65	130	18	65	TDST16
TDX20 / TDX20L	20	25	85	80	160	22	80	TDST20



Design load capacity of TDX anchors in non-cracked and cracked concrete, class min. C20/25

Technical Data	TDX06	TDX08	TDX10S	TDX10	TDX12TS	TDX12	TDX16	TDX20
Effective anchorage depth hef [mm]	25	30	30	40	50	50	65	80
Load-bearing capacity in uncracked concrete NRd [kN]	-	7,3	9,2	11,6	16,85	16,85	20,08	25,0
Load-bearing capacity in cracked concrete NRd [kN]	1,07	1,42	2,14	2,14	2,85	3,57	-	-
Shear load capacity in non-cracked concrete VRd [kN] *	-	4,37	6,94	6,94	18,80	18,80	18,80	29,34
Shear load capacity in cracked concrete VRd [kN] *	1,07	1,42	2,14	2,14	2,85	3,57	-	-
Anchor spacing Scr, N [mm]	200	200	200	200	200	200	200	200
Minimum spacing smin [mm]	41	41	54	54	68	68	88	108
Distance from the edge Ccr, N [mm]	150	150	150	150	150	150	150	150
Minimum distance from the edge cmin [mm]	41	41	54	54	68	68	88	108
Tightening torque [Nm]	4	8	15	15	35	35	60	120

* for bars and screws of class ≥ 4.6 . The European technical assessment ETA-17/0677 or ETA-17/0678 should be taken into account when designing

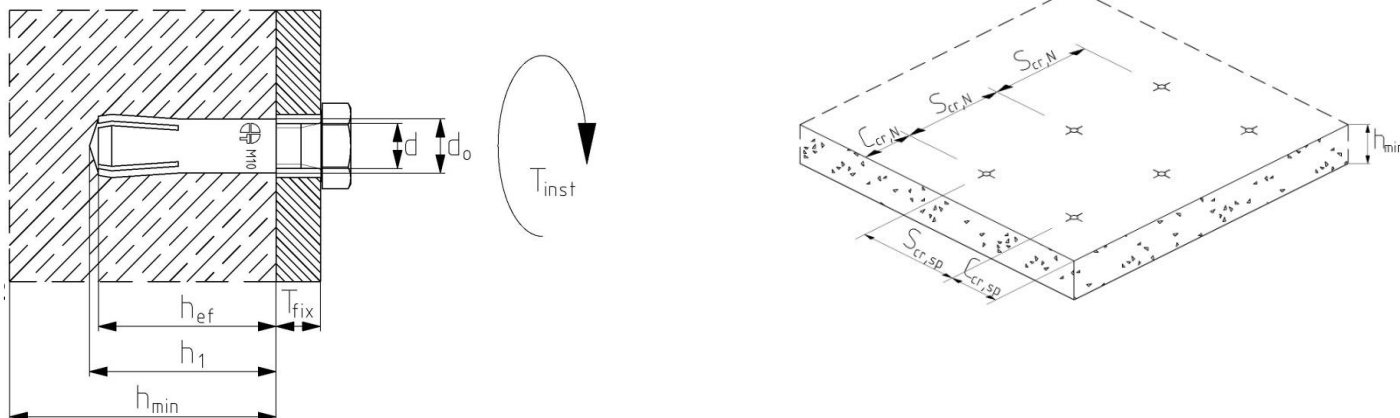
Characteristic resistance of TDX anchors in cracked and non-cracked concrete of the class min. C20 / 25 in case of fire (according to ETAG 001, Annex, C method B)



Technical Data:	TDX06	TDX08	TDX10S	TDX10	TDX12TS	TDX12	TDX16	TDX20
Effective anchorage depth hef [mm]	25	30	30	40	50	50	65	80
Tensile and shear strength R30 NRk, s, fi [kN]	0,2	0,5	0,8	0,8	1,0	1,3	-	-
Tensile and shear strength R30 NRk, s, fi [kN]	0,2	0,5	0,8	0,8	1,0	1,3	-	-
Tensile and shear strength R90 NRk, s, fi [kN]	0,1	0,4	0,8	0,8	1,0	1,1	-	-
Tensile and shear strength R120 NRk, s, fi [kN]	0,1	0,3	0,6	0,6	0,8	0,8	-	-
Anchor spacing scr, N, fi [mm]	100	120	120	160	200	200	260	320
Distance from the edge ccr, N, fi [mm]	50	60	60	80	100	100	130	160
Tightening torque [Nm]	4	8	15	15	35	35	60	120

* for bars and screws of class ≥ 4.6 . The European technical assessment ETA-17/0677 or ETA-17/0678 should be taken into account when designing

Scheme of sleeve anchor installation TDX



Installation Drawing TDX

