

WDI1 SSt Drop-in Anchors

Product overview

The WDI1 SSt stainless steel drop-in anchors are easy to install corrosion-resistant deformation-controlled anchors for medium loads. They are approved for multiple use for non-structural applications in cracked and non-cracked concrete.



ETA ETAG001 Part 6
ETA-16/0783



Fire Resistance
R120

Material
Stainless steel



Features and benefits

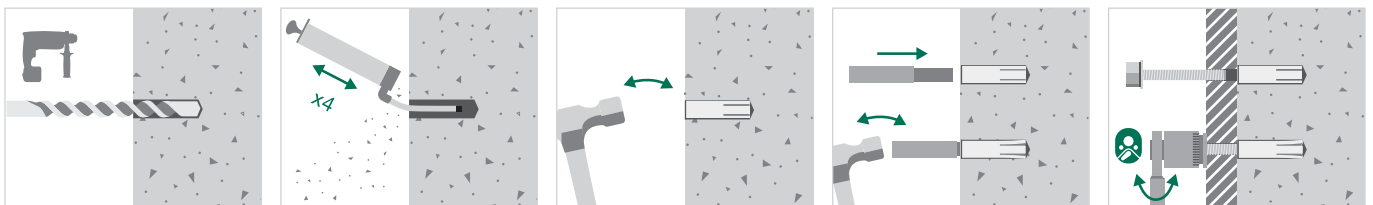
- ETA ETAG001 Part 6 approval for multiple use for non-structural applications
- Made of stainless steel for use in external atmospheric environment
- No collar for anchor setting at greater hole depth
- Simple and quick installation procedure
- Fire resistance class R30-R120 for design of anchorages under exposure to fire
- Medium load capacity

Substrate type

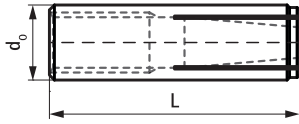
- Non-cracked concrete
- Cracked concrete



Installation guide



Product information



Part No.	Description	Anchor Size	d_{nom} (mm)	L (mm)	L_g (mm)	Box qty (pcs)
610 3 708	WDI1 SSt 8x30	M8	10	30	13	100
610 3 710	WDI1 SSt 10x40	M10	12	40	15	100
610 3 712	WDI1 SSt 12x50	M12	15	50	20	50
610 3 716	WDI1 SSt 16x65	M16	20	65	25	50

Recommended loads*

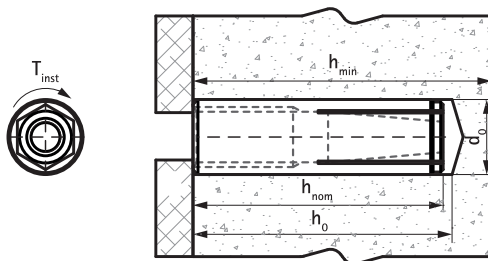
ETAG001 Part 6 ETA-16/0783 – Multiple use for non-structural applications

Recommended load for all directions in C20/25 to C50/60 concrete

Part No.	Description	Cracked	Non-cracked	Partial safety factor
		F_{rec} (kN)	F_{rec} (kN)	γ_M
610 3 708	WDI1 SSt 8x30	0.68	0.68	2.10
610 3 710	WDI1 SSt 10x40	1.09	1.09	2.10
610 3 712	WDI1 SSt 12x50	1.56	1.56	2.10
610 3 716	WDI1 SSt 16x65	2.81	2.81	2.10

*Recommended loads: apply to correctly installed anchors at maximum embedment depth; include partial safety factor and an overall partial safety factor for action of 1.4. The partial safety factor for action depends on the type of loading and shall be taken from national regulations. All anchor failure modes and the entire relevant product European Technical Assessment must be considered for anchor design.

Installation data



Part No.	Description	d_0 (mm)	$\geq h_0$ (mm)	h_{min} (mm)	h_{nom} (mm)	h_{ef} (mm)	C_{min} (mm)	S_{min} (mm)	$l_{s, min}$ (mm)	$T_{inst, max}$ (Nm)
610 3 708	WDI1 SSt 8x30	10	32	80	30	30	150	200	8	11
610 3 710	WDI1 SSt 10x40	12	42	80	40	40	150	200	10	22
610 3 712	WDI1 SSt 12x50	15	53	100	50	50	150	200	12	38
610 3 716	WDI1 SSt 16x65	20	70	130	65	65	195	200	16	98