

Drop-in Anchor ED

Steel, zinc plated



Description

The Drop-in Anchor ED is designed for temporary mounting or fastenings of machines that are to be moved at a later time. The ED M12 D version with reinforced anchor shell is especially designed for the fastening of core drilling machines.

Applications

Fastening of concrete processing tools such as core-drills and concrete saws.

Base Material: concrete C20/25–C50/60



Drop-in Anchor ED



- Steel, zinc plated
- Suitable for diamond drilling equipment

Description	Ref. No.	Drill hole Ø x depth mm	Thread Ø x length mm	Package content pcs.	Weight per package kg
ED M 12 x 50	05301101	15 x 50	M12 x 18	50	2,39
ED M 12 x 50 D	05317101	16 x 50	M12 x 18	50	2,81
ED M 16 x 65	05501101	20 x 65	M16 x 23	25	2,72

Standard Setting Tool

for Drop-in Anchor ED



Description	Ref. No.
E-SW 12 x 50	09300150
E-SW 16 x 65	09500150

Recommended loads for Drop-in Anchor ED.

Total safety factor as per ETAG 001 included (γ_M and γ_F).

Loads and performance data	Drop-in Anchor ED				
			M 12x50	M 12x50 D non-cracked concrete	M 16x65
Recommen. loads, tension (Screw 5.6 to 8.8)	C20/25 rec. N	[kN]	7,1	7,1	10,5
Recommen. loads, shear (Screw 5.6)	\geq C20/25 rec. V	[kN]	9,0	9,0	16,8
Recommen. loads, shear (Screw 5.8/8.8)	\geq C20/25 rec. V	[kN]	12,0	12,0	18,0
Recommen. bending moments (Screw 5.6)	rec. M	[Nm]	27,8	27,8	71,0
Recommen. bending moments (Screw 5.8)	rec. M	[Nm]	37,1	37,1	94,9
Recommen. bending moments (Screw 8.8)	rec. M	[Nm]	60,0	60,0	152,0
Spacing and edge distance					
Effective anchorage depth	h_{ef}	[mm]	50	50	65
Characteristic spacing	$s_{cr,N}$	[mm]	150	150	195
Characteristic edge distance	$c_{cr,N}$	[mm]	75	75	97,5
Minimum spacing	s_{min}	[mm]	120	120	150
Minimum edge distance	c_{min}	[mm]	165	165	200
Minimum thickness of concrete slab	h_{min}	[mm]	130	130	160
Installation parameters					
Drill hole diameter	d_o	[mm]	15	16	20
Diameter of clearance hole in the fixture	d_f	[mm]	14	14	18
Depth of drill hole	h_o	[mm]	50	50	65
Installation torque	T_{inst}	[Nm]	35	35	60
Minimum screwing depth	L_{sd}	[mm]	13	13	18
Maximum screwing depth	L_{th}	[mm]	18	18	23

Installation

