

## Wedge Anchor KDK

galvanized and stainless steel A4

with European Technical Approval for cracked and non-cracked concrete

### ● **Areas of application**

The wedge anchor can be used for medium and heavy through fixings in cracked or non-cracked concrete like brackets, cable trays, channels, suspended ceilings, ducts, metal constructions, supports, hand rails or shelf feet.

### ● **Characteristics**

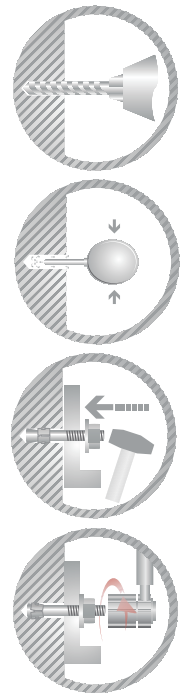
- Small drilling expenditure
- Quick assembly
- Perfect for through fixings
- Galvanized, stainless steel

### ● **Impact**

The wedge anchor is hammered in the drill hole. While tightening the nut, respecting the given torque moments, the cone of the wedge anchor pulls itself into the tie-clip, spreads it and presses it against the building material.

● **Operating instructions:**

- Drill the hole (see technical data below).
- Clean the drill hole.
- Set KDK through the fixture and hit it into the drill hole.
- Tighten the nut with a torque moment wrench (see technical data below)



● **Technical data:**

KDK (drilling diameter)		M 8	M 10	M 12	M 16	M 20*
Depth of drill hole	[mm]	65	70	90	110	130
Torque moment for cracked concrete	[Nm]	20	40	65	130	200
Torque moment for non-cracked concrete	[Nm]	15	30	50	100	160
Minimum member thickness	[mm]	100	100	130	160	200
Minimum spacing	[mm]	50	55	100	90	105
Minimum edge distance	[mm]	60	100	150	110	125

● **Characteristic values  $N_{Rk,p}$   
recommended load  $F_{Rd}$   
and partial safety factors in concrete C 20 / 25**

KDK (drilling diameter)			M 8	M 10	M 12	M 16	M 20*
Cracked concrete	$N_{Rk,p}$	[kN]	3	6	7,5	12	16
Cracked concrete	$F_{Rd}$	[kN]	1,7	3,3	4,2	6,7	8,9
Non-cracked concrete	$N_{Rk,p}$	[kN]	9	12	16	20	30
Non-cracked concrete	$F_{Rd}$	[kN]	5	6,7	8,9	11,1	16,7
Partial safety factor		[-]	1,8	1,8	1,8	1,8	1,8

\* Not part of the approval

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