

edilon)(sedra Dex[®]-R 2K

QUALITY CONTROL	SAFETY	CONDITIONS

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<p>1. Drill a hole using a diamond core drill according to the building specifications or building engineer.</p>	<p>OR Drill a hole using a rotary percussive drilling machine according to the building specifications or building engineer.</p>	<p>2. The drilled hole must be completely cleaned (at diamond drilled holes, rinse hole first thoroughly and then use a polymer brush to empty the hole, min. 3x).</p>
<p>3. Blow out the drilled hole with oil free compressed air (min. 3x). Start at the bottom of the hole.</p>	<p>4. Remove cap from cartridge.</p>	<p>6. Place cartridge carefully and horizontally in a clean hand-, pneumatic- or electric gun.</p>
<p>7. Check mixing. (homogeneous grey colour). Extrude the first part to waste until an even colour appears without streaking in the resin. Important: DO NOT use the mixing check material for the application.</p>	<p>5. Mount static mixer onto cartridge.</p>	<p>9. Place the anchor slowly and with a slight twist motion in the filled drilled hole.</p>
<p>10. After placing the anchor, surplus adhesive will run out of the drilled hole. Remove this surplus.</p>	<p>11. Leave the anchor undisturbed, and do not load the anchor until the curing time has elapsed.</p>	<p>12. Mount after each other building part, washer and nut with the prescribed installation torque.</p>

PROCESSING & CURING TIME				REMARKS
Concrete temperature (°C)	+5 to +9	+10 to +19	+20 to +35	<p>ETA-06/0272 ETA-15/0835 ETA-15/0836</p> <p>Overhead installation is permissible.</p>
Processing time (min.)	30	20	5	
Minimum curing time (h)	48	24	24	
Product temperature is +15 °C to +25 °C.				

GENERAL

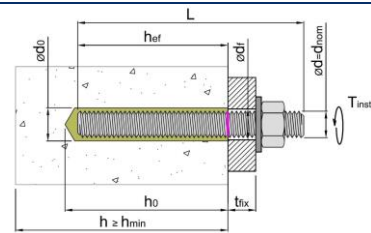


Drilling method	Diamond core drilled holes	Hammer drilled and compressed air drilled holes	Hammer drilled, compressed air drilled and diamond core drilled holes
Concrete quality	non-cracked concrete C20/25 – C50/60	Cracked and non-cracked concrete C20/25 – C50/60	Concrete C12/15 – C50/60 • non-carbonated concrete • maximum chloride content 0.40 %
Use category	1. Dry or wet concrete 2. Flooded holes	1. Dry or wet concrete 2. Flooded holes	1. Dry or wet concrete
Temperature range	-40 °C to +40 °C	-40 °C to +62 °C	-40 °C to +62 °C
Material <u>Metrical threaded rod :</u>	M12, M16, M20, M24, M30	<u>non-cracked concrete & metrical threaded rod:</u> M12, M16, M20, M24, M27, M30 <u>cracked concrete & metrical threaded rod:</u> M12, M16, M20, M24	–
<u>Reinforcing bar / de-coiled rod class B or C:</u>	–	<u>non-cracked concrete:</u> Ø10, Ø12, Ø14, Ø16, Ø20, Ø25, Ø32, Ø36 mm <u>cracked concrete:</u> Ø12, Ø14, Ø16, Ø20, Ø25 mm	Ø8, Ø10, Ø12, Ø14, Ø16, Ø20, Ø25, Ø28, Ø32, Ø36, Ø40 mm
<small>f_{yk} and k according to EN 1992-1-1, NDP or NCL</small>			

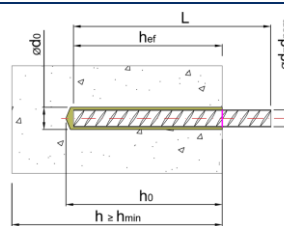
ETA INSTALLATION DATA

ETA-06/0272 & ETA-15/0836				Standard		Minimum		Maximum		ETA-15/0835	Hammer / diamond core drilling		
d _{nom}	Ød ₀ (mm)	Ød _f (mm)	T _{inst} (Nm)	h _{ef} (mm)	h _{min} (mm)	h _{ef} (mm)	h _{min} (mm)	h _{ef} (mm)	h _{min} (mm)		l _{b,min} (mm)	l _{0,min} (mm)	l _{v,max} (mm)
M8	10	9	20	80	110	50	100	160	190				
Ø8	12	-	-	80	104	50	100	160	184	Ø8	115	200	700
M10	12	12	30	100	130	50	100	200	230				
Ø10	14	-	-	100	128	50	100	200	228	Ø10	145	200	900
M12	16 / 14*	14	40	110	140	60	100	240	270				
Ø12	16	-	-	120	152	60	100	240	272	Ø12	170	200	1100
Ø14	18	-	-	140	176	70	106	280	316	Ø14	200	210	1300
M16	20 / 18*	18	100	150	186	80	116	320	356				
Ø16	22	-	-	160	204	80	124	320	364	Ø16	230	240	1400
M20	24	22	180	200	248	100	148	400	448				
Ø20	26	-	-	200	252	100	152	400	452	Ø20	285	300	1800
M24	28	26	300	240	296	120	176	480	536				
Ø25	35	-	-	250	320	120	190	500	570	Ø25	355	375	1900
M27	32	30	400	270	334	135	199	540	604				
Ø28	35	-	-	280	350	140	210	560	630	Ø28	600	630	1900
M30	36 / 35*	33	500	300	370	150	220	600	670				
Ø32	40	-	-	320	400	160	240	640	720	Ø32	685	720	1900
Ø36	45	-	-	360	450	180	270	700	790	Ø36	765 / 885*	810 / 885*	1900
Ø40	50	-	-	400	500	200	300	800	900	Ø40	980 / 1250*	980 / 1250*	1900

* For diamond core drilling



- d_{nom} = nominal (threaded) rod diameter
- Ød₀ = drill hole diameter
- Ød_f = diameter of clearance hole in the fixture
- T_{inst} = recommended torque for pre stressing of anchor rods with strength class 8.8–12.9
- h_{ef} = effective anchorage depth
- s_{min} = minimum allowable spacing = 0.5 * h_{ef}
- c_{min} = min. allowable edge distance = 0.5 * h_{ef}
- h_{min} = minimum thickness of concrete member



- l_{b,min} = minimum anchorage length
- l_{0,min} = minimum anchorage length – overlap joint
- l_{v,max} = maximum embedment depth

INDICATION OF CONSUMPTION DATA

Metrical threaded rod	M8	M10	M12	M16	M20	M24	M27	M30
d ₀ (mm)	10	12	16	20	24	28	32	35
h _{ef} (mm)	80	100	120	160	200	240	270	300
n _{std}	195	120	46	26	16	10.5	7	5.5

• d₀ = drill hole diameter
• h_{ef} = effective anchor depth
• n_{std} = number of anchors per 600ml per cartridge (borehole needs not to be filled completely)

Note: Consumption measured without loss and without anchor / borehole tolerances

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User data sheet
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