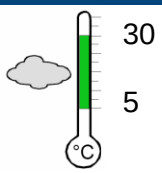
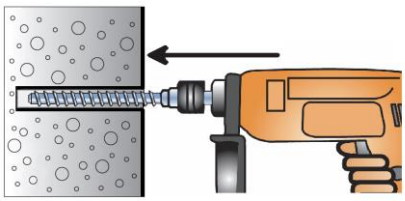
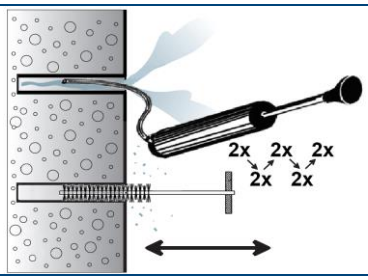
edilon)(sedra Dex®-EA 2K

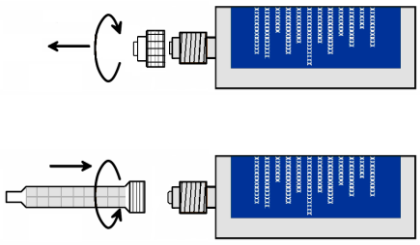
QUALITY CONTROL	SAFETY	CONDITIONS
	 SDS Dex-EA 2K	 30 5 °C



1. Drill the hole to the correct diameter and depth using a rotary percussion drilling machine according to building specifications or building engineer.

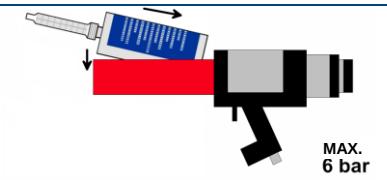


2. Thoroughly clean the hole as follows using a steel- polymer cleaning brush with required extensions and a hand blow pump;
2x blow out drill hole, 2x brush clean,
2x blow out drill hole, 2x brush clean,
2x blow out drill hole.

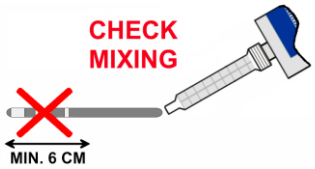


3. Remove cap from cartridge.

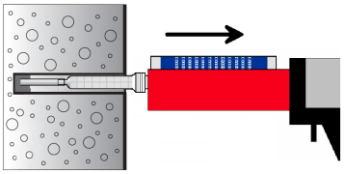
4. Select the appropriate static mixer for the installation and screw mixing tube onto the cartridge mouth.



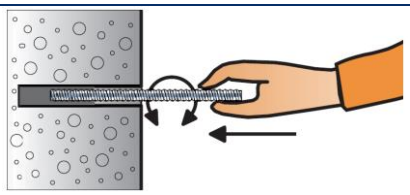
5. Place the cartridge carefully and **horizontally** in a **clean**, and good quality hand, electric or pneumatic dispensing gun.



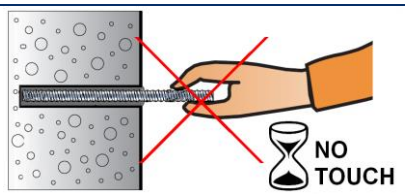
6. Check mixing **(homogeneous grey color).** Extrude the first part of the cartridge to waste until an even colour has been achieved without streaking in the resin.
Important: **DO NOT** use the first amount of mixed product for the application.



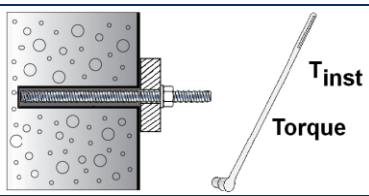
7. Insert the static mixer (or the extension tube with resin stopper) to the bottom of the hole. Begin to inject the adhesive, while withdrawing the static mixer as the hole fills. Fill the hole to approximately ½ to ¾ full and withdraw the nozzle completely. The optimum product temperature is + 20 °C.



8. Immediately insert the clean threaded rod or rebar, free from oil or other release agents, to the bottom of the hole using a back and forth twisting motion ensuring all the threads are thoroughly coated. Adjust to the correct position within the stated working time.



9. Excess resin will be expelled from the hole evenly around the steel element showing that the hole is full. Remove this surplus before it sets. Leave the anchor to cure. Do not disturb the anchor until the appropriate curing time has elapsed depending on substrate conditions and ambient temperature.



10. Mount after each other; building part, washer and nut with the required installation torque. Do not overtighten.

PROCESSING & CURING TIME

Concrete temperature (°C)	+5 to +10	+10 to +15	+15 to +20	+20 to +25	+25 to +30
Processing time (min.)	10	8	6	5	4
Minimum curing time (min.)	145	85	75	50	40

Product temperature is +5 °C to +30 °C.

REMARKS

 ETA-14/0294

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GENERAL

Drilling method	Hammer drilled and compressed air drilled holes
Concrete quality	Cracked and non-cracked concrete C20/25 – C50/60
Use category	**1.** Dry or wet concrete **2.** Flooded holes
Temperature range	-40 °C to +80 °C
Material Metrical threaded rod :	non-cracked concrete, metrical threaded rod: M8, M10, M12, M16, M20, M24, M27, M30 cracked concrete, metrical threaded rod: M10, M12, M16, M20, M24
Reinforcing bar and de-coiled rod class B or C: with f_{yk} and k according to EN 1992-1-1, NDP or NCL	non-cracked concrete: Ø8, Ø10, Ø12, Ø16, Ø20, Ø25, Ø32

ETA CE 14 1020

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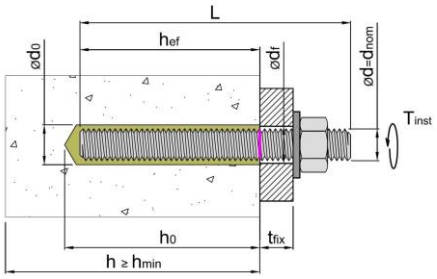
ETAG 001 Parts 1 & 5 Option 1
Anchoring in concrete

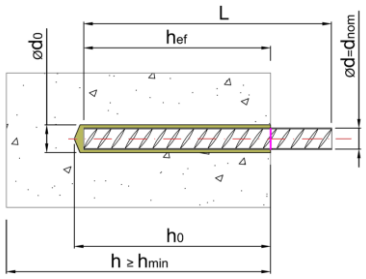
European Technical Assessment
ETA-14/0294

ETA INSTALLATION DATA according to ETA-14/0294

variable				standard		minimum		maximum	
d_{nom} (mm)	d_0 (mm)	d_f (mm)	T_{inst} (Nm)	h_{ef} (mm)	h_{min} (mm)	h_{ef} (mm)	h_{min} (mm)	h_{ef} (mm)	h_{min} (mm)
M8	10	9	10	80	110	64	100	160	190
Ø8	12	-	-	80	110	64	100	160	190
M10	12	12	20	100	130	80	104	200	230
Ø10	14	-	-	100	130	80	108	200	230
M12	14	14	40	110	140	96	126	224	254
Ø12	16	-	-	120	150	96	126	240	270
M16	18	18	80	150	180	128	158	320	350
Ø16	20	-	-	160	190	128	158	320	350
M20	22	22	150	200	244	160	204	400	444
Ø20	25	-	-	200	250	160	210	400	450
M24	26	26	200	240	292	192	244	480	532
Ø25	32	-	-	250	314	200	264	500	564
M27	30	30	240	270	330	216	276	540	600
M30	35	33	275	300	370	240	310	600	670
Ø32	40	-	-	320	400	256	336	640	720



- d_{nom} = nominal diameter threaded or anchor rod
- d_0 = drill hole diameter
- d_f = diameter of clearance hole in the fixture
- T_{inst} = recommended setting torque for pre stressing of anchor rods of strength class 5.8–10.9
- h_{ef} = effective anchor depth
- s_{min} = minimum allowable spacing = 0,5 * h_{ef}
- c_{min} = minimum allowable edge distance = 0,5 * h_{ef}
- h_{min} = minimum thickness of concrete member



INDICATION OF CONSUMPTION DATA

metrical threaded rod	M8	M10	M12	M16	M20	M24
d_0 (mm)	10	12	14	18	22	26
h_{ef} (mm)	80	100	120	160	200	240
n_{std}	140	87	58	32	19	12

- d_0 = drill hole diameter
- h_{ef} = effective anchor depth
- n_{std} = number of anchors per 410ml per cartridge (borehole needs not to be filled completely)

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

Date of issue: 14 December 2018