

# edilon)(sedra Dex<sup>®</sup>-R 2K

QUALITY CONTROL	SAFETY	CONDITIONS

## edilon)(sedra Dex<sup>®</sup>-R 2K

<p><b>1.</b> Drill a hole using a diamond core drill according to the building specifications or building engineer.</p>	<p><b>OR</b> Drill a hole using a rotary percussive drilling machine according to the building specifications or building engineer.</p>	<p><b>2.</b> 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><b>3.</b> Blow out the drilled hole with oil free compressed air (min. 3x). Start at the bottom of the hole.</p>	<p><b>4.</b> Remove cap from cartridge.</p>	<p><b>6.</b> Place cartridge carefully and <b>horizontally</b> in a clean hand-, pneumatic- or electric gun.</p>
<p><b>7.</b> Check mixing. (<b>homogeneous grey colour</b>). Extrude the first part to waste until an even colour appears without streaking in the resin. Important: <b>DO NOT</b> use the mixing check material for the application.</p>	<p><b>5.</b> Mount static mixer onto cartridge.</p>	<p><b>9.</b> Place the anchor slowly and with a slight twist motion in the filled drilled hole.</p>
<p><b>10.</b> After placing the anchor, surplus adhesive will run out of the drilled hole. Remove this surplus.</p>	<p><b>11.</b> Leave the anchor undisturbed, and do not load the anchor until the curing time has elapsed.</p>	<p><b>12.</b> 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	
Processing time (min.)	30	20	5	
Minimum curing time (h)	48	24	24	
<p>Product temperature is +15 °C to +25 °C.</p>				<p>Overhead installation is permissible.</p>

## GENERAL

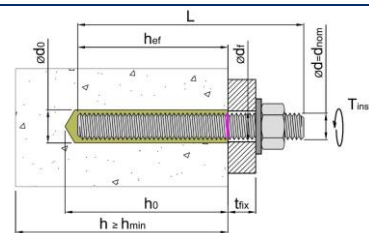


<b>Drilling method</b>	Diamond core drilled holes	Hammer drilled and compressed air drilled holes	Hammer drilled, compressed air drilled and diamond core drilled holes
<b>Concrete quality</b>	non-cracked concrete C20/25 – C50/60	Cracked and non-cracked concrete C20/25 – C50/60	Concrete C12/15 – C50/60 <ul style="list-style-type: none"> <li>• non-carbonated concrete</li> <li>• maximum chloride content 0.40 %</li> </ul>
<b>Use category</b>	1. Dry or wet concrete 2. Flooded holes	1. Dry or wet concrete 2. Flooded holes	1. Dry or wet concrete
<b>Temperature range</b>	-40 °C to +40 °C	-40 °C to +62 °C	-40 °C to +62 °C
<b>Material</b> <u>Metrical threaded rod :</u>	M12, M16, M20, M24, M30	<u>non-cracked concrete &amp; metrical threaded rod:</u> M12, M16, M20, M24, M27, M30 <u>cracked concrete &amp; 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<sub>yk</sub> and k according to EN 1992-1-1, NDP or NCL</small>			

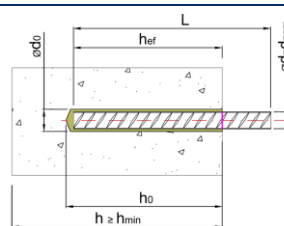
## ETA INSTALLATION DATA

ETA-06/0272 & ETA-15/0836				Standard		Minimum		Maximum		ETA-15/0835	Hammer / diamond core drilling			
d <sub>nom</sub>	Ød <sub>0</sub> (mm)	Ød <sub>f</sub> (mm)	T <sub>inst</sub> (Nm)	h <sub>ef</sub> (mm)	h <sub>min</sub> (mm)	h <sub>ef</sub> (mm)	h <sub>min</sub> (mm)	h <sub>ef</sub> (mm)	h <sub>min</sub> (mm)		l <sub>b,min</sub> (mm)	l <sub>0,min</sub> (mm)	l <sub>v,max</sub> (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<sub>nom</sub> = nominal (threaded) rod diameter
- Ød<sub>0</sub> = drill hole diameter
- Ød<sub>f</sub> = diameter of clearance hole in the fixture
- T<sub>inst</sub> = recommended torque for pre stressing of anchor rods with strength class 8.8–12.9
- h<sub>ef</sub> = effective anchorage depth
- s<sub>min</sub> = minimum allowable spacing = 0.5 \* h<sub>ef</sub>
- c<sub>min</sub> = min. allowable edge distance = 0.5 \* h<sub>ef</sub>
- h<sub>min</sub> = minimum thickness of concrete member



- l<sub>b,min</sub> = minimum anchorage length
- l<sub>0,min</sub> = minimum anchorage length – overlap joint
- l<sub>v,max</sub> = maximum embedment depth

## INDICATION OF CONSUMPTION DATA

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

• d<sub>0</sub> = drill hole diameter  
• h<sub>ef</sub> = effective anchor depth  
• n<sub>std</sub> = number of anchors per 600ml per cartridge (borehole needs not to be filled completely)

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

Date of issue: 17 December 2018

edilon(sedra bv  
Nijverheidsweg 23  
NL-2031 CN Haarlem

P.O. Box 1000  
NL-2003 RZ Haarlem

T +31 / (0)23 / 531 95 19  
F +31 / (0)23 / 531 07 51

mail@edilonsedra.com  
www.edilonsedra.com



User data sheet  
edilon(sedra Dex-R 2K

Reference:  
Page:

UDS Dex-R 2K (EN) 080911 rev 05