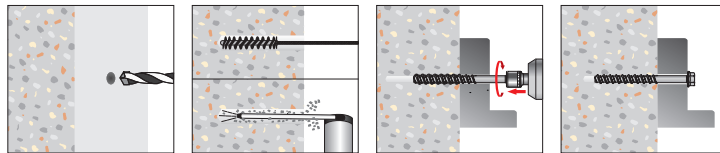
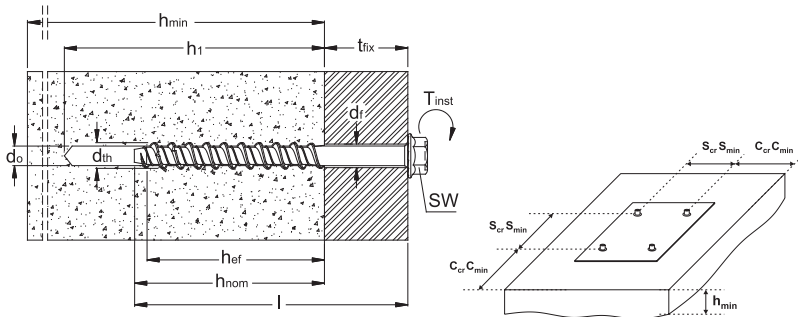


HX 21 Patented HWH with serration concrete screw, zinc plated



TECHNICAL DATA SHEET



d_{th}	external thread diameter
l	screw length
...,std	referred to standard embedment depth
...,red	referred to reduced embedment depth
t_{fix}	thickness of fixture
d_o	drill hole diameter
h_{nom}	overall fastener embedment depth in the concrete
h_{ef}	effective embedment depth
h_1	depth of drilled hole to deepest point
h_{min}	minimum thickness of concrete member
d_f	diameter of clearance hole in the fixture
T_{inst}	required or maximum recommended setting torque
SW	width Across flat
c_{min}	minimum allowable edge distance
s_{min}	minimum allowable spacing
c_{cr}	edge distance for ensuring the transmission of the characteristic resistance of a single anchor
s_{cr}	spacing for ensuring the transmission of the characteristic resistance of a single anchor

TECHNICAL DATA AND TEST REPORT ON HX 21 SCREWS ON NON-CRACKED CONCRETE C20/25

Item Code	Screw Size $d_{th} \times l$ (mm)	t_{fix} (mm)	d_o (mm)	h_1 (mm)	h_{min} (mm)	h_{nom} (mm)	h_{ef} (mm)	d_f (mm)	T_{inst} (Nm)	SW (mm)	c_{min} (mm)	s_{min} (mm)	c_{cr} (mm)	s_{cr} (mm)	CHARACTERISTIC LOADS (kN)	
															PULL OUT	SHEAR
Ø 6																
HX 21 06 045	6 x 45	5	5	55	100	40	30	7	15	8	30	30	45	90	4,4	6,6
HX 21 06 060	6 x 60	10		65	100	50	40				6,8	6,6				
HX 21 06 080	6 x 80	30		6,8	6,6											
HX 21 06 100	6 x 100	50		6,8	6,6											
HX 21 06 120	6 x 120	70		6,8	6,6											
Ø 8																
HX 21 08 040	8 x 40	5	6	50	100	35	25	9	20	10	25	25	37,5	75	5,6	6,3
HX 21 08 045	8 x 45	5		55		40	30				6,8	8,3				
HX 21 08 050	8 x 50	10		65		50	40				7,6	8,5				
HX 21 08 060	8 x 60	10		65		50	40				7,6	8,5				
HX 21 08 080	8 x 80	20		65		50	40				7,6	8,5				
* HX 21 08 100	8 x 100	40		75		60	50				11,2	8,5				
HX 21 08 120	8 x 120	60		75		60	50				11,2	8,5				
HX 21 08 140	8 x 140	80	75	60	50	11,2	8,5									
Ø 10																
HX 21 10 060	10 x 60	10	8	70	100	50	35	12	50	13	35	35	52,5	105	9,2	10,5
HX 21 10 080	10 x 80	10		90	110	70	55				15,6	18,1				
HX 21 10 100	10 x 100	30		90	110	70	55				15,6	18,1				
HX 21 10 120	10 x 120	50		90	110	70	55				15,6	18,1				
* HX 21 10 140	10 x 140	70		90	110	70	55				15,6	18,1				
HX 21 10 160	10 x 160	90	90	110	70	55	15,6	18,1								
Ø 12																
HX 21 12 070	12 x 70	10	10	85	100	60	45	14	80	15	45	45	67,5	135	14,0	15,3
HX 21 12 090	12 x 90	10		100	120	80	60				22,5	29,2				
* HX 21 12 110	12 x 110	30		100	120	80	60				22,5	29,2				
* HX 21 12 130	12 x 130	50		100	120	80	60				22,5	29,2				
HX 21 12 140	12 x 140	60		100	120	80	60				22,5	29,2				
HX 21 12 150	12 x 150	70	100	120	80	60	22,5	29,2								
Ø 14																
HX 21 14 065	14 x 65	5	12	75	92	60	46	16	* impact screwdriver only	17	55	55	70	45	10	15
HX 21 14 075	14 x 75	15		115	160	100	80				25	35				
HX 21 14 110	14 x 110	10		115	160	100	80				25	35				
HX 21 14 130	14 x 130	30		115	160	100	80				25	35				
HX 21 14 150	14 x 150	50		115	160	100	80				25	35				
Ø 16																
HX 21 16 090	16 x 90	10	14	110	130	90	65	18	160	21	65	65	97,5	195	?	?
HX 21 16 150	16 x 150	40		140	165	110	85				36,0	50,1				
HX 21 16 180	16 x 180	70		140	165	110	85				36,0	50,1				

* Special finishing (Item code HX01) until stockout, then zinc plated (Item code HX21)

For all specification not included in the table, please contact Tecfi Lab

Pull-out and shear showed in the table are CHARACTERISTIC LOADS from tests run on non-cracked concrete C20/25 without edge and spacing effect (Pull-out and shear loads are in kN: 1kN = 100Kg).