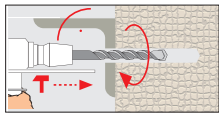
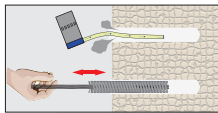


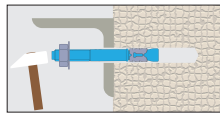
Method of Statement



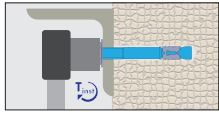
Drill the hole to the required depth



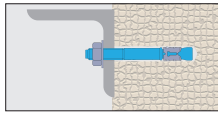
Clean the hole properly using a cycle of blowing out the dust followed by brushing the sides of the drill hole



Keeping the nut about 3-4 threads below the top hammer the anchor into the hole until the washer touches the plate.



Using the torque wrench tighten to the recommended torque as indicated on the box. The plate can now be loaded.

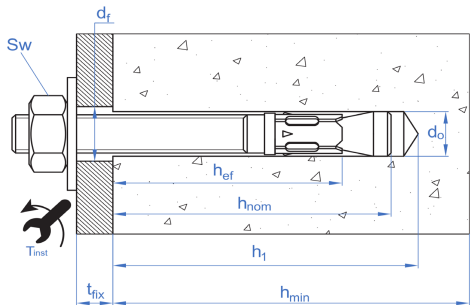


Tightened the fixation

Technical Installation Data

SIZE			M8	M10	M12	M16
d _o	Nominal diameter of drill bit	[mm]	8	10	12	16
T _{in}	Installation torque moment	[Nm]	20	40	60	120
d _f ≤	Diameter of clearance hole in the fixture	[mm]	9	12	14	18
h ₁	Minimum drill hole depth	[mm]	70	80	100	115
h _{nom}	Installation depth	[mm]	54	67	81	97
h _{ef}	Effective embedment depth	[mm]	48	60	72	86
h _{min}	Minimum base material thickness	[mm]	100	120	150	170
t _{fix}	Maximum thickness of fixture*	[mm]	L - 65	L - 80	L - 100	L - 120
S _{cr,N}	Critical spacing	[mm]	144	180	216	258
C _{cr,N}	Critical edge distance	[mm]	72	90	108	129
S _{min}	Minimum spacing	[mm]	50	55	60	70
C _{min}	Minimum edge distance	[mm]	50	60	70	70
SW	Installation wrench size	[mm]	13	17	19	24

*L = Total anchor length



RESISTANCES IN C20/25 CRACKED CONCRETE FOR AN ISOLATED ANCHOR, WITHOUT EFFECTS OF EDGE DISTANCE OR SPACING

SIZE	Design Tension Resistance N _{Rd}	Design Shear Resistance V _{Rd}	Recommended Tension Load N _{rec}	Recommended Shear Load V _{rec}
	[kN]	[kN]	[kN]	[kN]
M8	3.3	9.2	2.4	6.3
M10	6.0	14.5	4.3	9.9
M12	8.0	21.1	7.6	14.5
M16	16.7	39.2	11.9	26.9
M20	20.0	58.5	14.3	41.8

RESISTANCES IN C20/25 NON-CRACKED CONCRETE FOR AN ISOLATED ANCHOR, WITHOUT EFFECTS OF EDGE DISTANCE OR SPACING

SIZE	Design Tension Resistance N _{Rd}	Design Shear Resistance V _{Rd}	Recommended Tension Load N _{rec}	Recommended Shear Load V _{rec}
	[kN]	[kN]	[kN]	[kN]
M8	5.0	8.8	3.6	6.3
M10	10.7	13.9	7.6	9.9
M12	16.7	20.2	11.9	14.5
M16	23.3	37.7	16.7	26.9
M20	33.3	58.5	23.8	41.8