

Installation Parameters for threaded rod

Thread size	[mm]	M8	M10	M12	M16	M20	M24
Hole diameter (d_0)	[mm]	10	12	14	18	24	28
Embedment depth (h_{ef})	[mm]	80	90	110	125	170	210
Max. fixture thickness	[mm]	17	24	30	41	61	55
Min Base material thickness (h_{min})	[mm]	110	120	140	161	218	266
Tightening torque	[Nm]	10	20	40	60	120	150
Edge distance (C)	[mm]	80	90	110	125	170	210
Spacing (S)	[mm]	160	180	220	250	340	420



Recommended load in non-cracked concrete kN (without influence of edge or axial spacing) (5.8 steel)

	M8	M10	M12	M16	M20	M24
Tensile Load	8,3	10,4	15,0	16,4	26,0	35,6
Shear Load	5.1	8.6	12	15,7	26,1	36,8



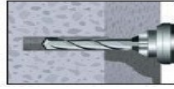
CAS Standard Chemical Anchor Studs BZP

Code	Thread Size	Drill Size	Overall Length	Quantity Per Box
04900270	M8	10mm	110	10
04900280	M10	12mm	130	10
04900290	M12	14mm	160	10
04900300	M16	18mm	190	10
04900320	M20	24mm	260	10
04900330	M24	28mm	300	5

P300+ can be used with a standard skeleton gun

Installation procedure

1. Drill correct size hole



2. Clean hole by brushing & blowing at least 3 times



3. Screw mixer onto the cartridge



4. Extrude 10-15 cm to waste until resin is an even colour



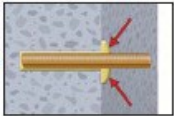
5. Starting from the back, inject resin until hole is at least half full



6. Insert anchor to base of hole with a twisting action



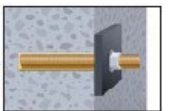
7. Visual check to ensure sufficient resin used



8. Allow full cure time



9. Attach fixture and apply correct torque



Minimum curing time

Base Material Temp	Gel Time	Cure Time
-5°C	90 Min.	360 Min.
0°C	45 Min.	180 Min.
+5°C	25 Min.	120 Min.
+10°C	20 Min.	100 Min.
+20°C	6 Min.	45 Min.
+30°C	4 Min.	25 Min.
+35°C	2 Min.	20 Min.