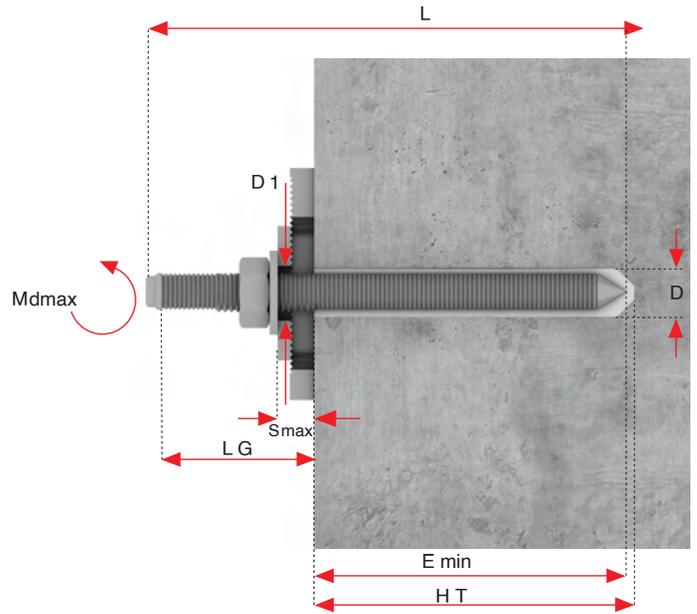
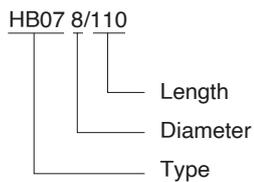


HB07 Chemical Bolt - Technical Details



Product Code	Technical Details							
	Bolt Size	Drilling Depth	Minimum Embedment	Maximum Fixture Thickness	Fixture Hole Diameter	Maximum Torque	Bolt Length	Thread Length
	(mm)	H _i (mm)	E _{min} (mm)	S _{max} (mm)	D _i (mm)	M _{dmax} (Nm)	(mm)	S _c (mm)
HB07-8/110	M8x110	82	80	14	9	7	110	23
HB07-10/130	M10x130	92	90	21	11	15	130	30
HB07-10/170	M10x170	92	90	59	11	15	170	70
HB07-12/160	M12x160	115	110	28	13	25	160	40
HB07-12/190	M12x190	115	110	60	13	25	190	70
HB07-16/190	M16x190	130	125	38	17	60	190	52.5
HB07-16/260	M16x260	130	125	108	17	60	260	135

Product Code Explanation:



C20/25 strength class concrete base material values.

Load direction	Allowable Loads (kN)				
	a derece	M8	M10	M12	M16
Pull out	0	8,80	12,30	18,30	20,50
Shear	90	10,20	15,60	22,00	23,58

Application:

For fastening fixtures to concrete walls and filled block walls.

Available in:

Stainless Steel AISI 304 & AISI 316 and E.galvanized Mild Steel

Fixing Instructions

Injection gun

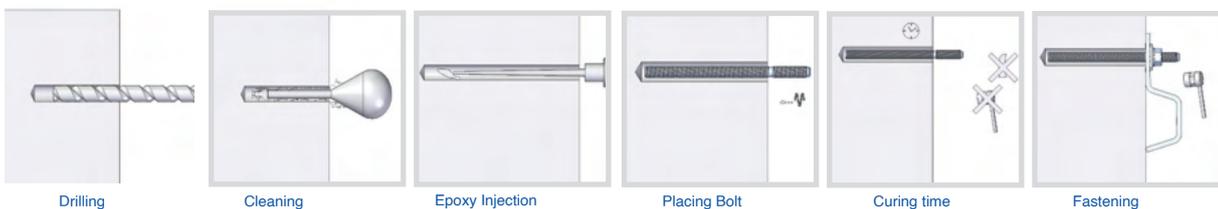


Epoxy acralyt capsule



Curing time & Temperatures

°C	cure
5	25'
10	15'
20	6'
30	4'
35	2'



HB07 Chemical Bolt - Technical Details

Loads and performance data

Product size			M8	M10	M12	M16	
Effective anchorage depth	h_{ef}	(mm)	80	90	110	125	
Mean ultimate loads, tension	$N_{Ru,m}$	(kN)	8.8	12.3	18.3	20.5	
Mean ultimate loads, tension	$V_{Ru,m}$	(kN)	10.2	15.6	22	23.6	
Cracked concrete based values							
Recommended tensile loads	> C20/25	N_{Rec}	(kN)	4.4	6.2	9.2	10.3
	> C25/30	N_{Rec}	(kN)	4.9	6.9	10.3	11.5
	> C30/37	N_{Rec}	(kN)	5.4	7.6	11.2	12.6
	> C40/50	N_{Rec}	(kN)	6.2	8.7	13	14.5
	> C50/60	N_{Rec}	(kN)	7	9.8	14.5	16.3
Recommended shear loads	> C20/25	V_{Rec}	(kN)	5.8	8.9	12.6	13.5
Minimum spacing and edge distances for Concrete							
Effective anchorage depth	h_{ef}	(mm)	80	90	110	125	
Characteristic spacing	$S_{cr,N}$	(mm)	80	90	110	130	
Characteristic edge distance	$C_{cr,N}$	(mm)	120	140	170	190	
Minimum spacing and edge distance for concrete member - Concrete							
Thickness of concrete slab	h_{min1}	(mm)	100	120	140	160	
Minimum spacing	$S_{min/C}$	(mm)	40	50	60	70	
Minimum edge distance	$S_{min/S}$	(mm)	50	60	80	90	
Installation parameters							
Drill hole diameter	d_o	(mm)	10	12	14	18	
Drilling depth	h_o	(mm)	82	92	115	130	
Embedment length	h_{nom}	(mm)	80	90	110	125	
Maximum torque	T_{inst}	(N/m)	7	15	25	60	

