



**HIT-HY200 A, HIT-Z M12x100mm vs HIT-V M12x100  
V0005 / C20, dcut med, unconf., crack 0,3mm**

documentation nr.	-
attachment	-
Testing	27.01.2015
User	Gahler

## Parameter Overview Chemical anchor

Test/fastener	Base material/Setting details	bore hole/fixture
Job no. :	Type/Grade : C20/25	Drilling tool : TE30
Project-#. :	Int.#./pouring date : R231/14	Hammering action : J
Anchor description : HIT-HY200 A, HIT-Z M12x100mm vs HIT-V M12x100	Compr. strength : 32,1 MPa	drill bit : TE-YX
Lot-#/ prototype description : A: 8003395 B:8101285	...referring to : cube 150mm	Cutting edge Ø : 14,3 mm
test row # : V0005	Temperature : 20 °C	drill bit status : used
Task : C20, dcut med, unconf., crack 0,3mm	Note : dry	drilling depth (h1) : 125 mm
Test rig/cylinder : RS 5 \ F-100-5	Setting tool : HDM500	cleaning of hole : none / CAC / HDB
Displ. measurement : SD-03 D	Anchor installed by : AEKgm	edge distance (c) : 200 mm
Temperature : 21 °C	Setting time :	spacing (s) : 260 mm
Fastener/anchor : HIT-Z M12x140mm	Embedment depth (h-ef) : 100 mm	Support Ø : 350 mm
"-" : series	Curing time : 20h	Thickness of fixture : 20 mm
"-" :	Tightening torque : 40 Nm	Clearance hole Ø : 14 mm
Element Ø : 12 mm	Torque-wrench/Cal.tool-# :	

### Anchor specific data

no.	Load[kN]	T [N/m]	displ. [mm]	time [sec]	hef [in]	failure mode	Curing	setting dur./ # strokes	Note
1	69,7	18,5	3,6	89,5	100	Sb - steel failure	ok	0	CAC
2	62,4	17,4	3,2	79,0	95,0	Cc Rmax: 80, Rmin: 50, H: 15	ok	0	no cleaning
3	50,7	13,9	1,0	66,5	97,0	Cc Rmax: 320, Rmin: 240, H: 40	ok	0	CAC
4	19,0	5,2	10,0	106,2	97,0	Cc Rmax: 85, Rmin: 50, H: 20	ok	0	no cleaning
5	56,9	15,1	0,9	62,0	100,0	CC, Rmax:120 Rmin:130 H: 45	ok	0	HDB



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