

STATEMENT

Rawlplug SA confirmed that seismic performance C2 tests were performed for R-HPTII ZF according to TR049 for sizes M10, M12 and M16 by Centre Scientifique et Technique du Bâtiment (CSTB) at 4.06.2018r.



Table 1 Characteristic values of resistance under seismic action category C2

Size			M10	M12	M16
			Standard		
Tension load					
Steel failure					
Characteristic resistance	$N_{Rk,s,eq,C2}$	[kN]	17,5	25,8	45,8
Partial safety factor	$\gamma_{Ms,eq}$	[-]	1,4	1,4	1,4
Pull-out failure					
Characteristic resistance in concrete C20/25	$N_{Rk,p,eq,C2}$	[kN]	3,4	7,0	10,9
Installation safety factor	$\gamma_{2,eq} = \gamma_{inst,eq}$	[-]	1,0	1,0	1,0
Shear load					
Steel failure without lever arm					
Characteristic resistance	$V_{Rk,s,eq,C2}$	[kN]	9,2	11,1	28,2
Partial safety factor	$\gamma_{Ms,eq}$	[-]	1,25	1,25	1,25
Factor for annular gap	α_{gap}	[-]	0,5		

Table 2. Displacement under tensile and shear load - seismic category C2

Size		M10	M12	M16
$\delta_{N,eq}(DLS)$	[mm]	2,8	3,0	4,2
$\delta_{N,eq}(ULS)$	[mm]	9,3	12,2	13,0
$\delta_{V,eq}(DLS)$	[mm]	4,5	4,3	5,8
$\delta_{V,eq}(ULS)$	[mm]	7,0	7,0	10,2

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