HIT-MM Plus injection mortar

Rods&Sleeves / Masonry

Static and quasi-static loading (for a single anchor)

All data in this section applies to:

- Load values valid for holes drilled with TE rotary hammers in hammering (solid bricks) / rotary (hollow bricks) mode.
- Correct anchor setting (see instruction for use, setting details)
- Steel quality of fastening elements: see data below
- Steel quality for screws for HIT-IC and HIS-N: min. grade 5.8 / HIS-RN: A4-70
- Threaded rods of appropriate size (diameter and length) and a minimum steel quality of 5.6 can be used

Recommended loads F_{rec} [b] for pull-out failure in [kN]

Anchor size			HAS-U				HIT-IC		
			M8	M10	M12		M8	M10	M12
Solid Masonry									
Solid clay brick Mz12/2,0 DIN 105/ EN 771-1 f_b a) ≥ 12 N/mm²	Setting depth	[mm]	80	80	80		80	80	80
	F_{rec}	[kN]	0,9	1,5	1,5		0,9	1,5	1,5
Hollow Masonry									
Hlz 12 DIN 105/ EN 771-1 f_b a) ≥ 12 N/mm²	Sieve Sleeve HIT-SC		16x…	16x…	18x…	22x…	16x…	16x…	16x…
	Setting depth	[mm]	80	80	80	80	80	80	80
	F_{rec}	[kN]	0,8	0,8	0,8	0,8	0,8	0,8	0,8

a) f_b = brick strength

b) The data provided in the table is intended for product comparison only and not suitable for the complete design of an anchorage

Due to the wide variety of bricks site tests have to be performed for determination of load values for all applications outside of the above mentioned base materials and / or setting conditions.