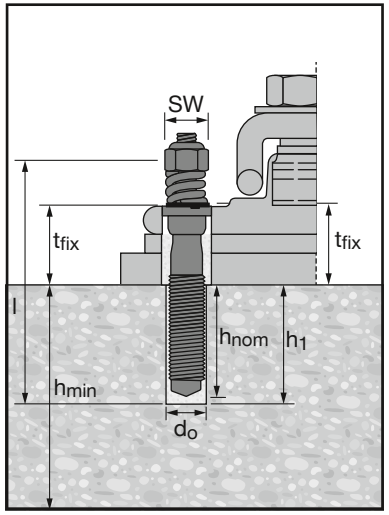
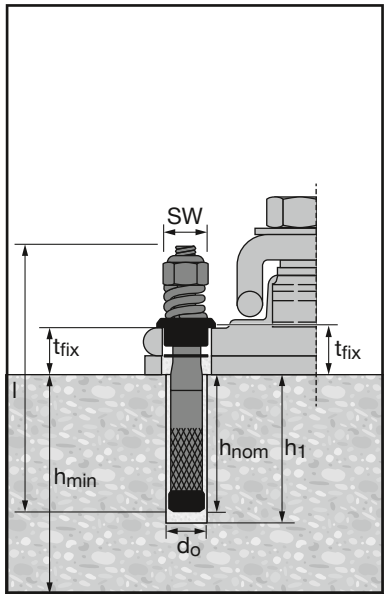


Anchor	HRA M22×220a	HRA M22×220b	HRA M22×270	HRA M22×310
Nominal diameter of drill bit d_0 [mm]	35			
Hole clearance in base plate d_f [mm]	36 + 0.3/0			
Nominal drilling depth h_1 [mm]	120	120	130	130
Nominal embedment depth h_{nom} [mm]	110	110	125	125
Minimum member thickness h_{min} [mm]	160	160	170	170
Length of Anchor l [mm]	220	220	270	310
Maximum thickness height $t_{fix, max}$ [mm]	50	40	65	105
Spring length unloaded L_0 [mm]	22	35	55	55
Spring length loaded $L_{s, 2}$ [mm]	17	27	43	43
Wrench size SW [mm]	38			



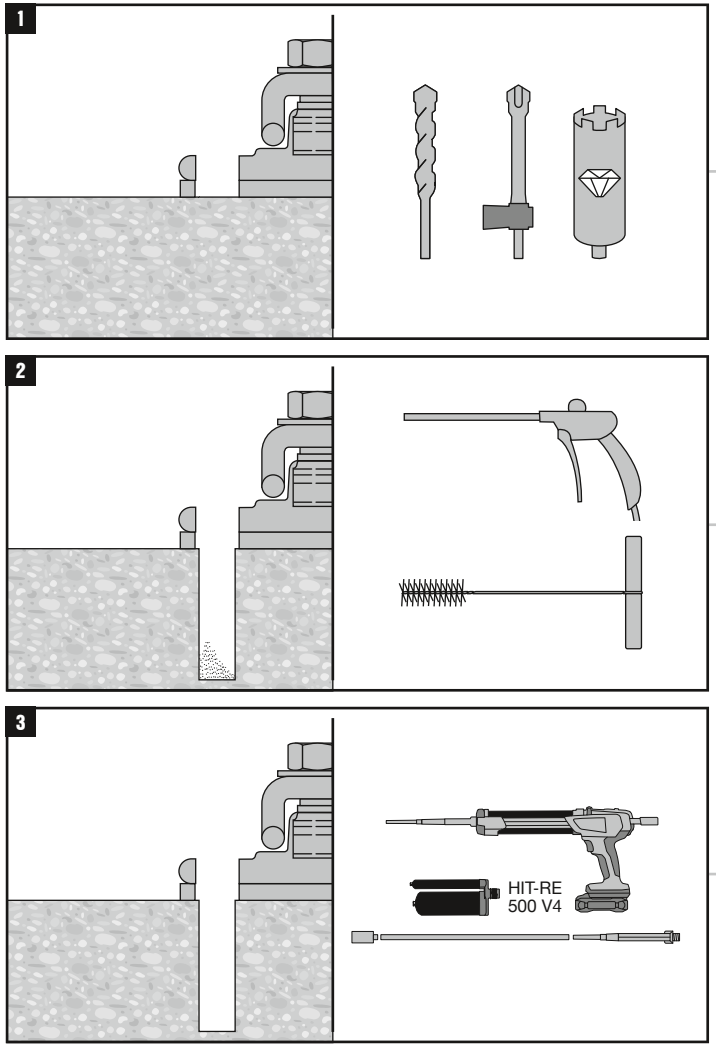
Anchor	HRC M22×215	HRC M22×225 (centr./exctr.)	HRC M22×238	HRC M22×263 (centr./exctr.)
Nominal diameter of drill bit d_0 [mm]	30			
Hole clearance in base plate d_f or $d_{f\ exctr}$ [mm]	36 + 0.3/0 (centric collar bush) / 40 + 0.4/0 (excentric collar bush)			
Nominal drilling depth h_1 [mm]	110	110	110	130
Nominal embedment depth h_{nom} [mm]	106	106	106	126
Minimum member thickness h_{min} [mm]	150	150	150	170
Length of Anchor l [mm]	215	225	238	263
Maximum thickness height $t_{fix, max}$ [mm]	40	50	60	70
Minimum thickness height $t_{fix, min}$ [mm] [1)]	40	25	35	45
Minimum mortar height t_{mortar} [mm]	≥0		≥tfix-50 (≥0)	
Spring length unloaded L_0 [mm]	35			
Spring length loaded $L_{s, 2}$ [mm]	27			
Wrench size SW [mm]	38			

[1)] Forces acting on rail (FR) by rolling stock are loading Hilti Rail Anchors under shear means by cantilever bending. With increasing fixing height the lever arm increases, reducing the steel fatigue resistance. This is taken into account by limiting the maximum fixing height (maximum lever arm).

HRA
HRC

2080688-2025.11.06

	HIT-SZ	HIT-VL	HIT-RB	Cap 70	Cap 100
HRA	HIT-SZ 35	HIT-VL 16/07	HIT-RB 35	Art. No. 386288	Art. No. 15781
HRC	HIT-SZ 30		HIT-RB 30		



HIT-RE
500 V4