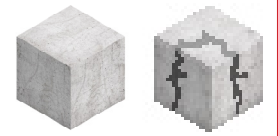
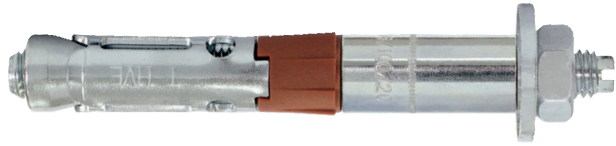


HIGH LOAD SAFETY BOLT THREADED ROD VERSION

HVE02



FEATURES

Material :
Steel

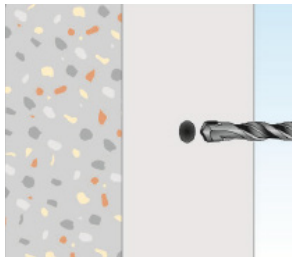
Advantages :

- Easy and fast installation through the fixture

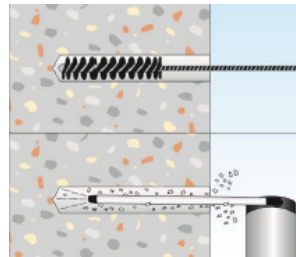
APPLICATION EXAMPLES

- For fixing metal profiles, railings, beams steel cladding brackets, industrial racking, consoles, cable trays....
- Industrial doors and gates

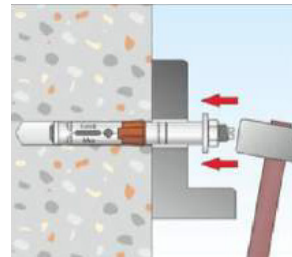
INSTALLATION



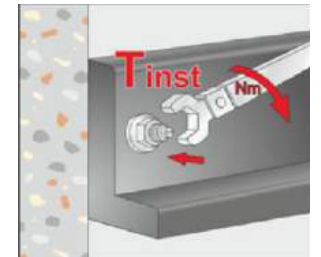
Drill the hole



Remove the dust from the hole with an air pump



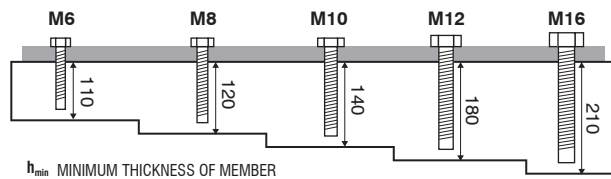
Put the Anchor into the hole through the fixture



Apply required torque

INSTALLATION DATAS

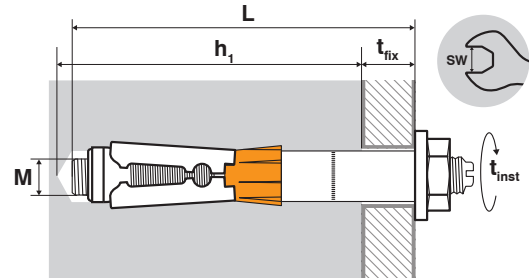
	M6	M8	M10	M12	M16	
S_{min}	55	110	80	135	130	MINIMUM SPACING
C_{min}	70	100	90	175	180	MINIMUM EDGE DISTANCE



DIMENSIONS & APPLICATION DATAS

TYPE	M	L	t _{fix}	Reference
		mm	mm	
HVE M6	M6	70	5	HVE02-10/5
		80	15	HVE02-10/15
		100	35	HVE02-10/35
		120	55	HVE02-10/55
HVE M8	M8	80	10	HVE02-12/10
		100	30	HVE02-12/30
		120	50	HVE02-12/50
HVE M10	M10	140	70	HVE02-12/70
		100	20	HVE02-16/20
		120	40	HVE02-16/40
HVE M12	M12	140	60	HVE02-16/60
		160	80	HVE02-16/80
		120	20	HVE02-18/20
HVE M16	M16	150	50	HVE02-18/50
		170	70	HVE02-18/70
		200	100	HVE02-18/100
HVE M16	M16	140	20	HVE02-24/20
		170	50	HVE02-24/50
		200	80	HVE02-24/80
		220	100	HVE02-24/100

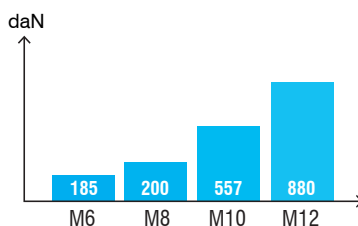
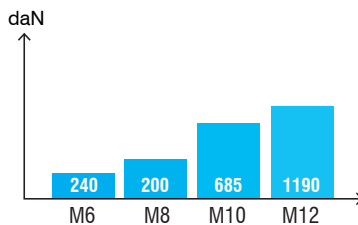
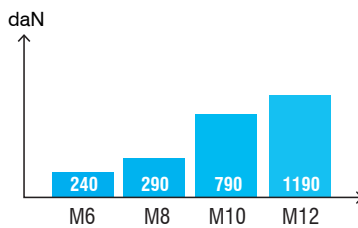
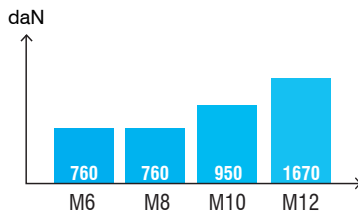
		M6	M8	M10	M12
Anchor length	h _{ef}	55	60	70	90
Ø drill hole	d _o	10	12	16	18
Min. drilling depth	h ₁	80	90	100	120
Overall anchor embedment depth	h _{nom}	65	70	80	100
Ø clearance hole in the fixture	d _f	12	14	18	20
Wrench size/socket size	Sw	10	13	17	19
Required torque moment	T _{inst}	15	30	50	100



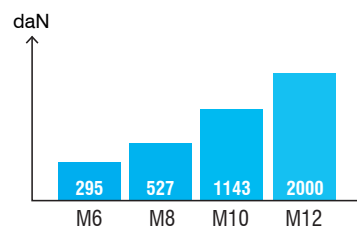
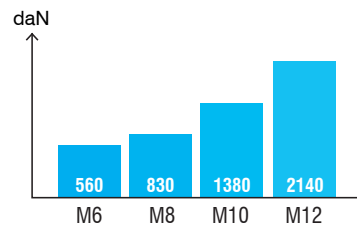
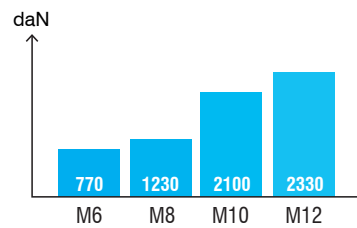
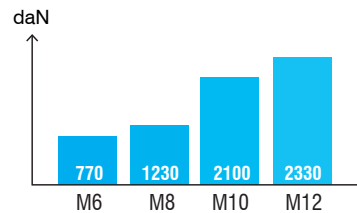
RECOMMENDED LOADS

Loads are calculated from published characteristic values in the ETA on which partial safety factors from the ETAG001 and a partial coefficient action $\gamma_f = 1.4$ are applied. Values are given for standard embedment depth for non-cracked concrete C20 / 25.

TENSILE



SHEAR



For accurate loads and implementation data, requirements specified in the ETA 10/0060 must be respected as well as the installation guide.