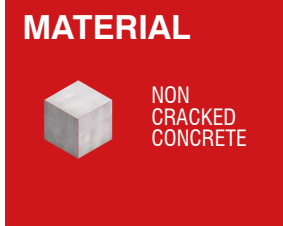
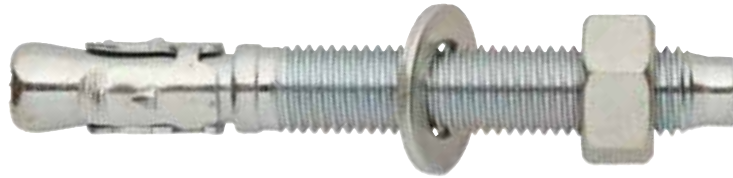


THROUGHBOLT ANCHOR ETA OPTION 7



FEATURES

Material :

Steel Zinc plated
(Also available in A4 Stainless)

Advantages :

- Fast and easy installation through the fixture
- Pre-assembled nut and washer
- Gives support to close edge spacing, minimum thickness
- Reduced Anchor length
- Cost effective solution for flexible use in non cracked concrete

APPLICATION EXAMPLES

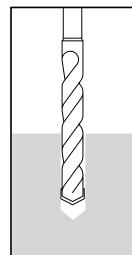
- For fixing metal profiles, railings, beams steel cladding brackets, industrial racking, consoles, cable trays...
- Industrial doors and gates
- Facades

INSTALLATION

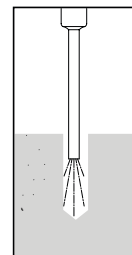
Installation process :

When applying the **torque setting (T_{inst})** to the **nut** (with ratchet or wrench), the cone at the bottom of the anchor pulls into the **expansion ring**, which causes the segments of the ring to open. They are then pressed against the wall of the cavity causing adhesion through the support material.

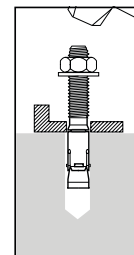
Installation instructions :



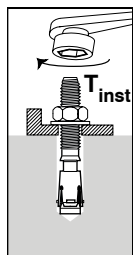
Drill the hole



Remove the dust with a pump

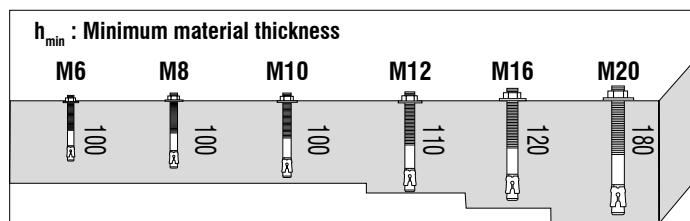
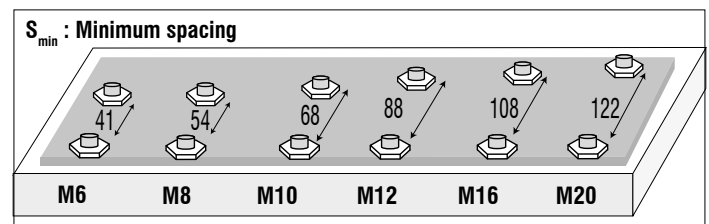
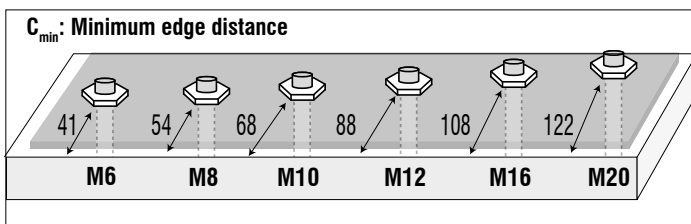


Put the anchor into the hole through the fixture



Apply Torque

INSTALLATION DATAS

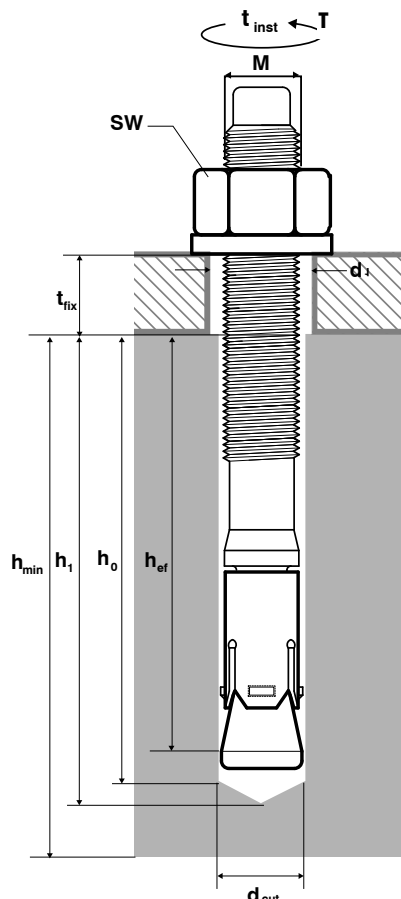


DIMENSIONS & APPLICATION DATAS

\varnothing	L	t _{fix}	h _{ef}	L _f	Part No
	mm	mm	mm	mm	
M6	45	5	30	13.5	BZ-06X45
	55	15	30	21.5	BZ-06X55
	85	45	30	51.5	BZ-06X85
M8	50	2	40	16.5	BZ-08X50
	65	15	40	31.5	BZ-08X65
	70	20	40	36.5	BZ-08X70
	80	30	40	46.5	BZ-08X80
	95	45	40	61.5	BZ-08X95
	100	50	40	66.5	BZ-08X100
	105	55	40	71.5	BZ-08X105
	115	65	40	81.5	BZ-08X115
M10	65	5	50	27	BZ-10X65
	80	20	50	42	BZ-10X80
	95	35	50	57	BZ-10X95
	110	50	50	72	BZ-10X110
	120	60	50	82	BZ-10X120
	150	90	50	100	BZ-10X150
M12	80	2	65	39	BZ-12X80
	100	20	65	51	BZ-12X100
	120	40	65	71	BZ-12X120
	125	45	65	76	BZ-12X125
	135	55	65	86	BZ-12X135
	180	100	65	100	BZ-12X180
	220	140	65	100	BZ-12X220
	240	160	65	100	BZ-12X240
M16	105	10	75	43	BZ-16X105
	115	20	75	53	BZ-16X115
	125	30	75	63	BZ-16X125
	140	45	75	78	BZ-16X140
	180	85	75	100	BZ-16X185
	200	105	75	100	BZ-16X200
M20	130	15	90	65	BZ-20X130
	160	45	90	95	BZ-20X160
	215	100	90	100	BZ-20X215

Installation datas

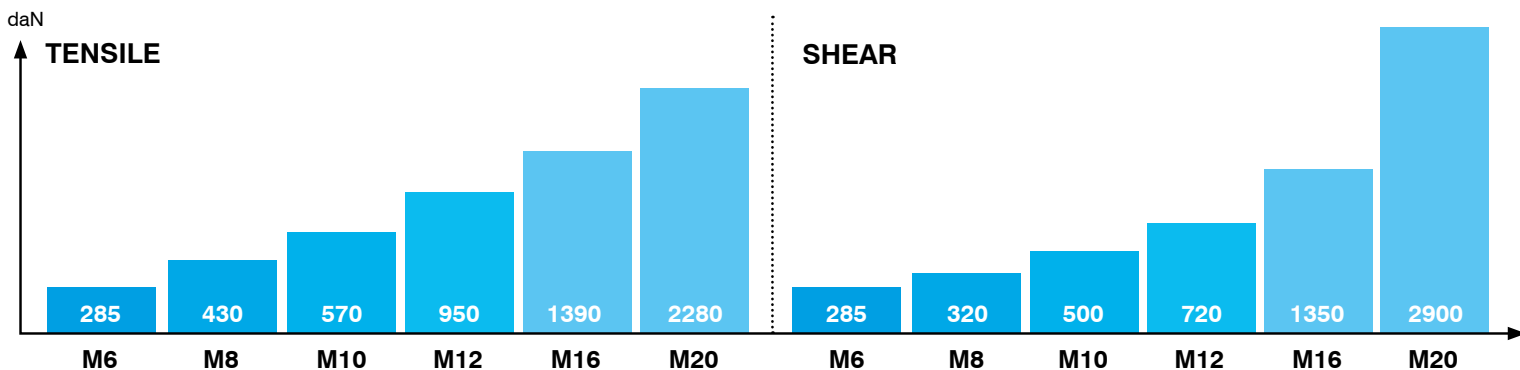
		M6	M8	M10	M12	M16	M20
Anchor depth	h _{ef}	30	40	50	65	75	90
Ø drill size	d _{cut}	6	8	10	12	16	20
Drill depth	h ₁	50	55	65	80	90	135
Ø Maximum hole in the fixture	d _f	7	9	12	14	18	22
Socket/wrench size	S _w	10	13	17	19	24	30
Torque setting	T _{inst}	8	15	25	40	80	200



- Ø: Thread diameter
- L: Total Length
- t_{fix}: Maximum fixture thickness
- L_f: Thread length
- h_{ef}: Effective anchor depth

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 anchor depth for non-cracked concrete C20 / 25.



For accurate loads and implementation data, requirements specified in the ETA 11/0124 must be respected as well as the installation guide.