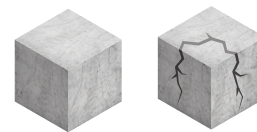


CONCRETE SCREW HEX HEAD - STAINLESS STEEL A4
ETA OPTION 1

A4-BT-H



CONCRETE
CRACKED CONCRETE



ø6-ø8



ø8-ø10-ø12



FEATURES

Matière :

- A4 Stainless steel 1.4401 and 1.4404 types according to EN 10263-5
- Tip: steel acc to EN 10263-4

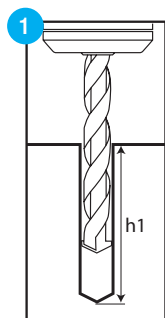
Avantages :

- Bi-metal screw:
 - Superior corrosion resistance
 - Outdoor applications
 - Hardness of frontal carbon alloy component allows for easy drilling and high efficiency anchoring during installation
- Fast installation and immediate loading minimizes downtime
- No expansion forces transferred to the base material
- Applicable closer to the edge traditional expansion anchors
- Removable if required
- Performs reliably in cracked and non cracked concrete (ETA option 1)

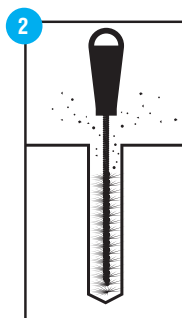
APPLICATION EXAMPLES

- Shuttering props
- Railings, shelving systems
- Industrial equipment
- Wooden or steel secondary structures
- Cable trays, steel banding

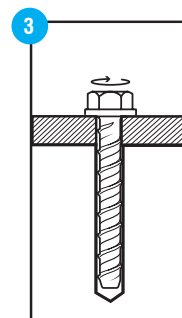
INSTALLATION



Drill a hole with a hammer drill to the recommended depth h_1 .



Remove dust with a wire brush or blow out with a manual hand pump or compressed air. Repeat 3 times.



Screw the A4-BT-H concrete screw through the fixture with a wrench by applying sufficient torque to clamp the material to the concrete.

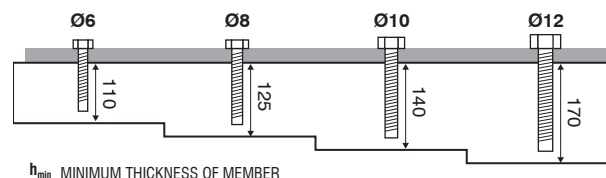
(h_1 and T_{inst} : For technical data see overleaf)

NB: the A4-BT-H SCREW can only be used once

Carbide tips and threads wear out during first use. In case of reuse, it does not allow to reestablish the initial performances.

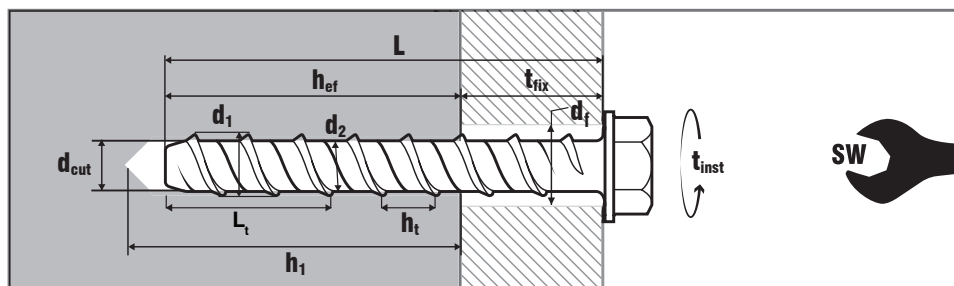
INSTALLATION DATAS

	Ø6	Ø8	Ø10	Ø12	
S_{min}	40	50	60	70	MINIMUM SPACING
C_{min}	40	50	60	70	MINIMUM EDGE DISTANCE



h_{min} MINIMUM THICKNESS OF MEMBER

DIMENSIONS & APPLICATION DATAS



		A4-BT-H-06	A4-BT-H-08	A4-BT-H-10	A4-BT-H-12
Nominal diameter (mm)	\emptyset	6	8	10	12
Drilling diameter (mm)	d_{cut}	6	8	10	12
Clearance hole in the fixture (mm)	d_f	9	11	13	15
Torque setting (N.m)	T_{inst}	20	40	60	80
Max. power output, machine setting (N.m)	T_{max}	120	120	185	185
Socket/wrench size	SW	10	13	17	19
Higher thread diameter	d_1	7,50	9,90	12,50	14,30
Lower thread diameter	d_2	5,50	7,40	9,40	11,30
Thread pitch	h_t	4,45	5,80	7,70	8,10
Steel tip length	L_1	17	21	27	27

\emptyset	L	t_{fix}	h_1	h_{ef}	Reference
	mm	mm	mm	mm	
6.0	75	5	80	70	A4-BT-H-6075
	90	5	95	85	A4-BT-H-08090
8.0	110	25	95	85	A4-BT-H-08110
	105	5	110	100	A4-BT-H-10105
10.0	120	20	110	100	A4-BT-H-10120
	125	5	130	120	A4-BT-H-12125

h_{ef} : anchoring depth // h_1 : drilling depth // t_{fix} : thickness of the fixture

RECOMMENDED LOADS

- Loads are calculated from characteristic values published in the ETA on which partial safety factors from the ETAG001 and a partial action f coefficient $\gamma = 1.4$ are applied.
- Values calculated in concrete C20 / 25, T = 24 ° C / 40 ° C.

