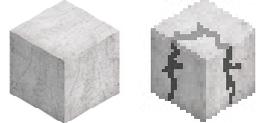


INTERNALLY THREADED CONCRETE SCREW ZINC PLATED STEEL

BT-I



CONCRETE
CRACKED CONCRETE



FEATURES

Material :

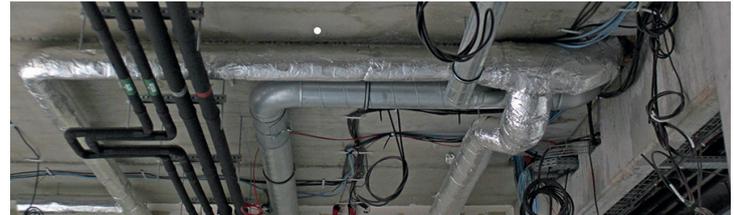
- Steel 10B21, zinc coating : electroplated > 5 µm

Advantages :

- Adapted for mounting threaded rods M8 and M10
- ETA for cracked and non cracked concrete
- Also suitable for use in aerated concrete and solid brickwork (without ETA approval)
- Ease and speed of overhead installation
- Fast removal
- F120 fire approval

APPLICATIONS EXAMPLES

Ideal for suspended fixings such as ceilings, cable trays, sprinkler systems and piping



INSTALLATION

1

Drill a hole with a hammer drill to the recommended diameter d_0 and depth h_1 .

2

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

3

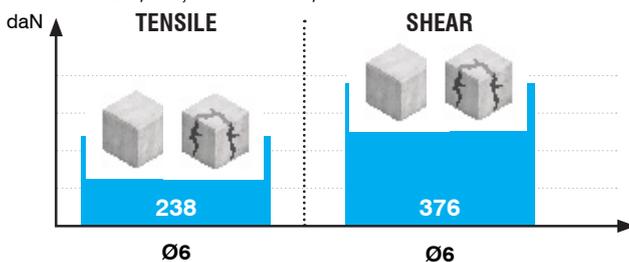
Screw in the anchor by using a torque wrench (torque = T_{inst}) or an impact screw driver (torque max = T_{max}) - Wrench size = SW
Control of complete setting : full contact of screw flange with concrete surface

4

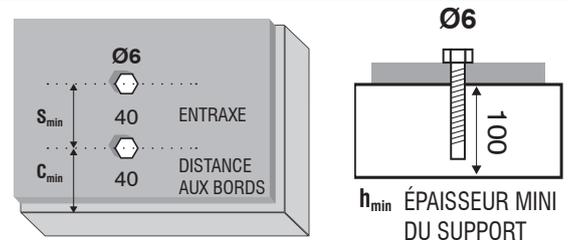
Screw the threaded rod into the internal threaded part

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. Values calculated in concrete C20 / 25, $T = 24^\circ C / 40^\circ C$.



INSTALLATION DATAS

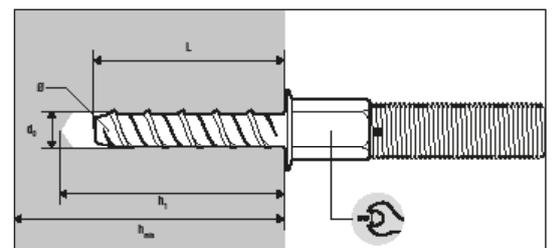


C_{min} : Minimum edge distance // S_{min} : Minimum spacing // h_{min} : Minimum member thickness

NB: the BT-I 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.

DIMENSIONS & REFERENCES

M	Ø	L	τ	h ₁	T _{inst} (1)	T _{max} (2)	SW	Reference
Threaded rod diameter	concrete screw diameter	Concrete screw length	Drill Ø	Minimal drill depth	mounting torque	Maximum mounting torque	Wrench size	
M8	6	60	6	64	20	80	13	BT-I-M08
M10	6	60	6	64	20	80	13	BT-I-M10



(1) T_{inst} : Recommended torque with a torque wrench
(2) T_{max} : Maximum torque for setting with an impact screw driver