

Dual Thread M8+M10

Single Thread M8/M10

INFORMATION

The Ankerbolt Socket Bolt is a self tapping anchor for use in a variety of base materials. The undercutting action provides a positive anchorage with no expansion forces.

- The Dual Thread allows for the use of M8 or M10 thread rod with the need for only one socket.
- The choice of M8 and M10 gives options for the diameter of threaded rod being used.

BASE MATERIAL

- Concrete C20/25 To C50/60
- Hollow Concrete Planks
- Solid Brickwork
- Concrete Block
- Natural Stone

APPROVALS

Load Bearing Capacity Of Fixings Under Fire Exposure



BRE Report: P108081
BS EN 1363-1:2012

FEATURES

- Undercutting action
- Fast And Secure Installation
- Expansion Free
- High Performance
- Reaction to Fire Class A1
- Fire Resistant Classification R120

RELATED PRODUCTS



SD06

SDS+ Drill Bits



Hole Cleaning Pump



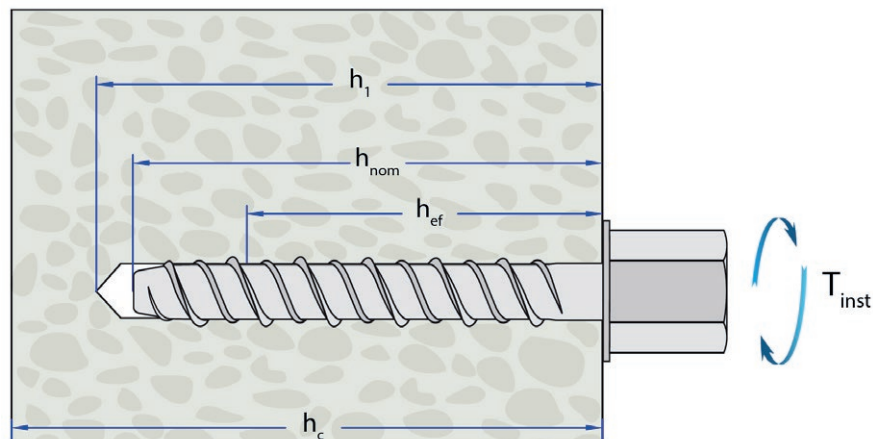
M8 or M10

Threaded Rods

RANGE AND LOAD DATA

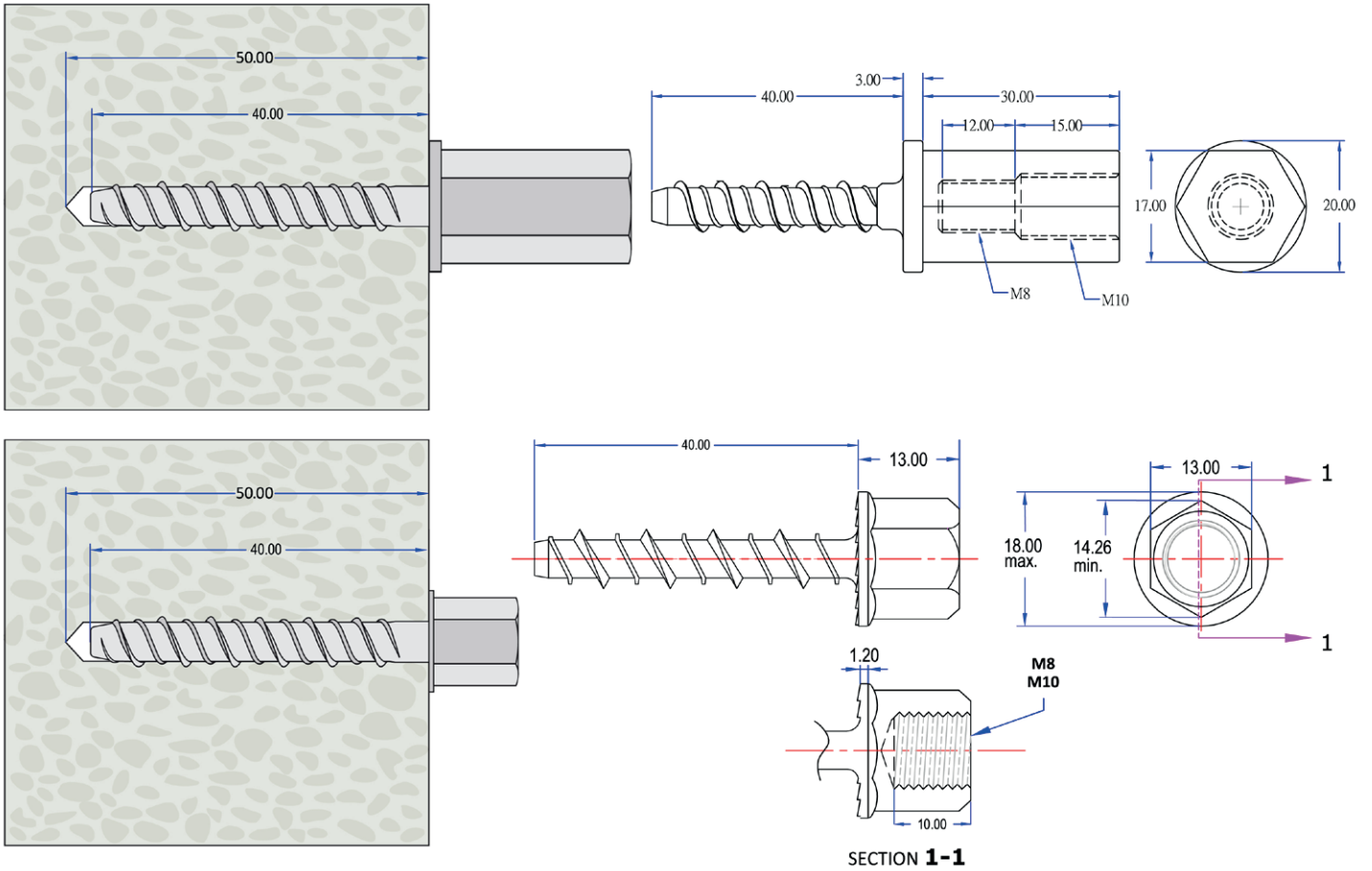
RANGE AND LOAD DATA (SOLID CONCRETE C20/25 AND HOLLOW CONCRETE PLANKS)

Part Number	Drill Hole Diam (d ₀)	Hole Depth (h ₁)	Overall Length (L)	Embedment Depth (h _{nom})	M8 Internal Thread Length (l _{th})	M10 Internal Thread Length (l _{th})	Across Flats (AF)	Design Tensile Resistance (N _{Rd})	Recommended Tensile Resistance (N _{Ra})	Tightening Torque (T _{inst})
	mm	mm	mm	mm	mm	mm	mm	kN	kN	Nm
Dual Thread										
JAB06/08SOCKET	6	50	75	40	12	15	17	3.3	2.3	25
Single Thread										
JAB06/08SOCM08	6	50	55	40	10	N/A	13	3.3	2.3	25
JAB06/08SOCM10	6	50	55	40	N/A	10	13	3.3	2.3	25





DIMENSIONS



FIRE RESISTANCE DATA

FIRE RESISTANCE DATA				
Part Number	Thread Diameter	Fire Exposure Time (min)	Anchor Failure	Mode of Failure
JAB06/08SOCKET	M08/M10*	120	None	Threaded Rod
JAB06/08SOCM08	M08	120	None	Threaded Rod
JAB06/08SOCM10	M10*	120	None	Threaded Rod

* The tests on M10 Grade 4.6 threaded rod were continued for 10min over the 120min standard fire curve time with failure of the threaded rod.

THREADED RODS LOAD TABLE

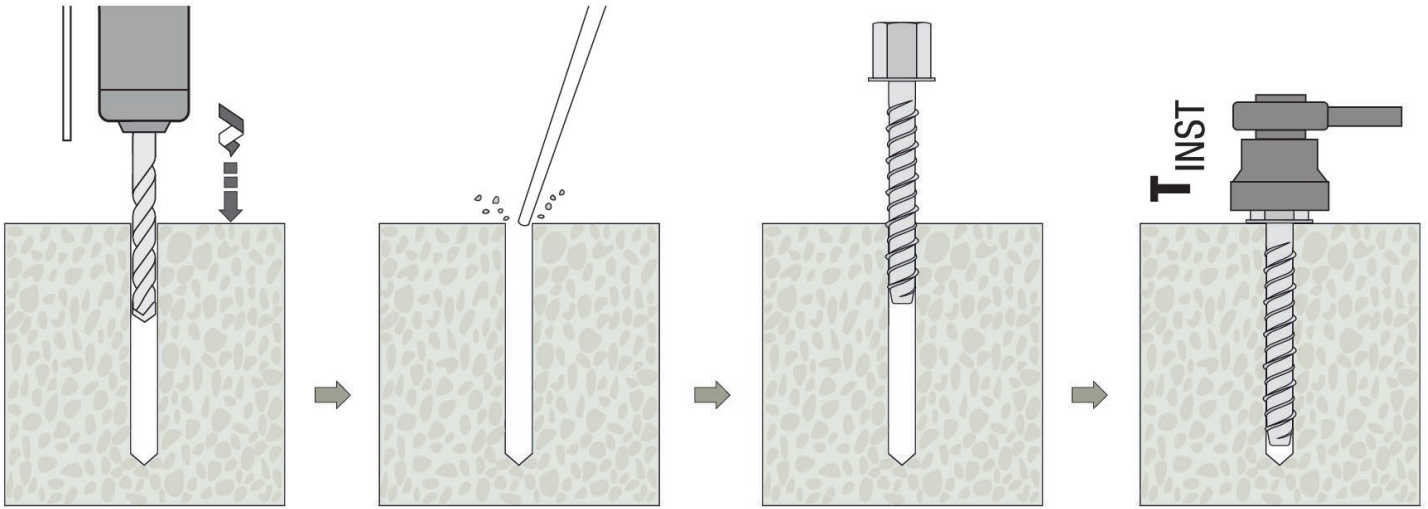
THREADED RODS LOAD TABLE			
Threaded Rod Steel Grade	Thread Diameter	Applied Load (kg)	Fire Exposure Time (min)
Grade 4.6	M08	80	79
Grade A4-70*	M08	80	90
Grade 8.8	M08	80	120
Grade 4.6	M10	80	120
Grade A4-70*	M10	80	120
Grade 8.8	M10	80	120

* Calculated based on the stress-strain relationship provided by EN1993-1-2 for stainless steel at elevated temperatures.





INSTALLATION INSTRUCTIONS



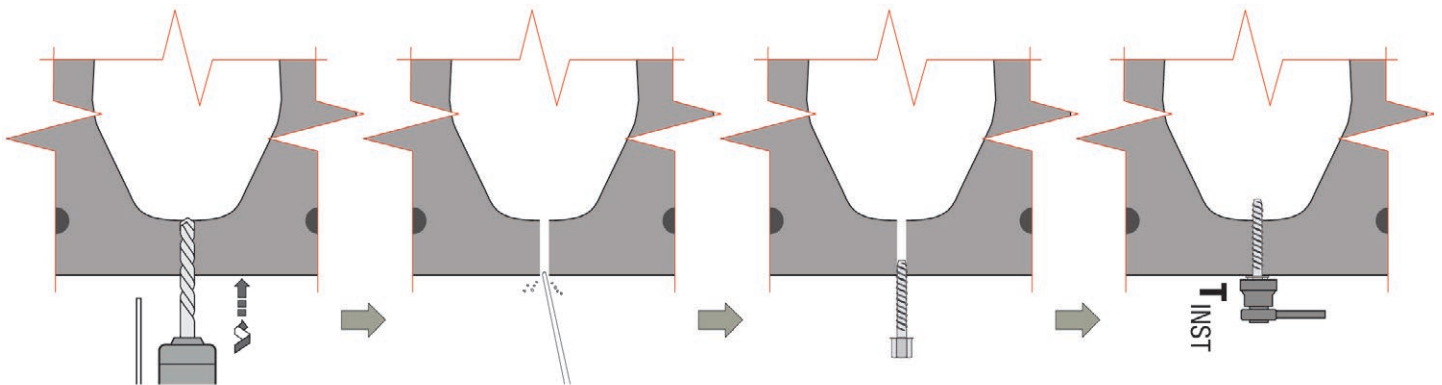
-Drill correct diameter hole to corresponding depth by using the rotary hammer drilling mode

-Clean hole by blowing to remove drilling debris and dust

-Insert anchor into concrete using suitable impact wrench

-Tighten with torque wrench to recommended torque

HOLLOW CONCRETE PLANKS INSTALLATION INSTRUCTIONS



-Drill correct diameter hole into void by using the rotary hammer drilling mode

-Clean hole by blowing to remove drilling debris and dust

-Insert anchor into concrete using suitable impact wrench

-Tighten with torque wrench to recommended torque

For variations in structure thickness, reduced spacing and edge calculations download the free **Anchor Calculation Program** from www.jcpfixings.co.uk

