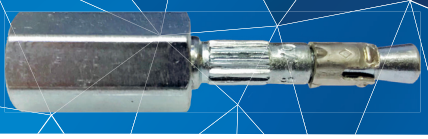
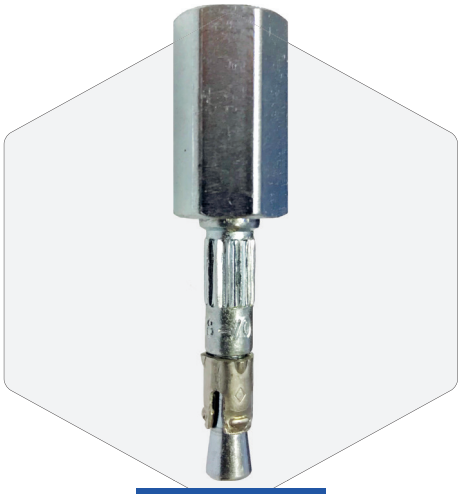
Nail In Socket





Dual Thread M8+M10

INFORMATION

The Nail In Socket is a hammer in dual thread anchor for multiple use in non-structural concrete applications.
The fast and accurate installation along with auto expansion feature provide a rapid secure fixing.

- 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 C12/15
- Concrete C20/25 To C50/60
- Cracked/Non-Cracked Concrete
- Lightweight Suspended Ceilings

FEATURES

- Auto Expanding Action
- Fast And Secure Installation
- No Torque Wrench Required
- Reaction to Fire Class A1
- Fire Resistant Classification R120

APPROVALS

European Technical Assessment
Multiple Use For Non-Structural Applications In Concrete

ETA-11/0240

Fire Resistance

ETA-11/0240

RELATED PRODUCTS

SD06

SDS+ Drill Bits

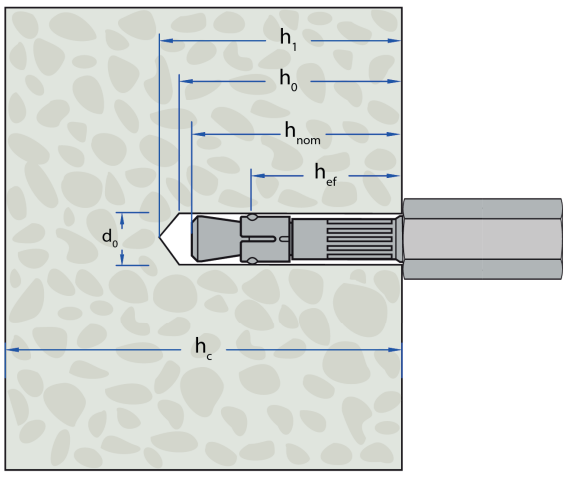
Hole Cleaning Pump

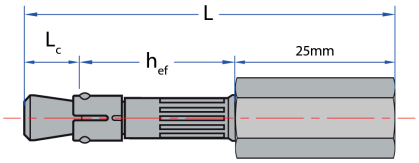
M8 or M10

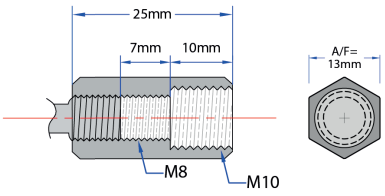
Threaded Rods

RANGE AND LOAD DATA

RANGE DATA							
Part Number	Drill Hole Diam	Hole Depth	Overall Length	Effective Embedment Depth	M8 Internal Thread Length	M10 Internal Thread Length	Across Flats
	(d_0)	(h_1)	(L)	(h_{ef})	(l_{Th})	(l_{Th})	(AF)
	mm	mm	mm	mm	mm	mm	mm
Dual Thread							
NAS0625	6	35	58	25	7	10	13
NAS0630	6	40	63	30	7	10	13







SOCKET LONGITUDINAL CROSS SECTION

Technical Data Sheet

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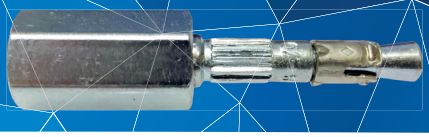

C12/15 CRACKED/NON-CRACKED CONCRETE

Performance Data (C12/15 cracked/non-cracked concrete)							
Part Number	Effective Embedment Depth (h_{ef})	Minimum Concrete Thickness (h_{min})	Characteristic Resistance	Design Resistance	Approved Resistance	Design Spacing (s)	Design Edge Distance (c)
			Tensile (N_{Rk})/ Shear* (V_{Rk})	Tensile (N_{Rd})/ Shear (V_{Rd})	Tensile (N_{Ra})/ Shear (V_{Ra})	Tensile/Shear	Tensile/Shear
-	mm	mm	kN	kN	kN	mm	mm
NAS0625	25	80	3.0	2.0	1.4	100	100
NAS0630	30	80	4.0	2.7	1.9	100	100

C20/25-C50/60 CRACKED/NON-CRACKED CONCRETE

Performance Data (C20/25-C50/60 cracked/non-cracked concrete)							
Part Number	Effective Embedment Depth (h_{ef})	Minimum Concrete Thickness (h_{min})	Characteristic Resistance	Design Resistance	Approved Resistance	Design Spacing (s)	Design Edge Distance (c)
			Tensile (N_{Rk})/ Shear* (V_{Rk})	Tensile (N_{Rd})/ Shear (V_{Rd})	Tensile (N_{Ra})/ Shear (V_{Ra})	Tensile/Shear	Tensile/Shear
-	mm	mm	kN	kN	kN	mm	mm
NAS0625	25	80	4.5	3.0	2.1	100	100
NAS0630	30	80	5.9	3.9	2.8	100	100

* In case of shear load, shear load with lever arm should be proven by considering $M^0_{Rk,s}$=12.7 (Nm)

FIRE RESISTANCE DATA

Fire* Resistance Data (C20/25 to C50/60 cracked/non-cracked concrete)**										
Part Number	Effective Embedment Depth (h_{ef})	Minimum Concrete Thickness (h_{min})	Design Resistance				Approved Resistance			
			Tensile ($N_{Rd,fi}$)				Tensile ($N_{Ra,fi}$)			
-	mm	mm	30min (R30)	60min (R60)	90min (R90)	120min (R120)	30min (R30)	60min (R60)	90min (R90)	120min (R120)
Tensile Load										
NAS0625	25	80	0.6	0.6	0.6	0.5	0.4	0.4	0.4	0.4
NAS0630	30	80	0.8	0.7	0.6	0.6	0.6	0.5	0.4	0.4

Fire Resistance Data (C20/25 to C50/60 cracked/non-cracked concrete)										
Part Number	Effective Embedment Depth (h_{ef})	Minimum Concrete Thickness (h_{min})	Design Resistance				Approved Resistance			
			Bending Moment ($M^0_{Rd,fi}$) (Nm)				Bending Moment ($M^0_{Ra,fi}$) (Nm)			
-	mm	mm	30min (R30)	60min (R60)	90min (R90)	120min (R120)	30min (R30)	60min (R60)	90min (R90)	120min (R120)
Shear Load With Lever Arm										
NAS0625	25	80	0.7	0.7	0.6	0.5	0.5	0.5	0.4	0.4
NAS0630	30	80	0.7	0.7	0.6	0.5	0.5	0.5	0.4	0.4

* Only in connection with threaded rod class 5.8. When applying the shear load, shear load with lever arm should be proven.

** The determination covers anchors with a fire attack from one side only. If the fire attack is from more than one side, the design method may be taken only, if the edge distance of the anchor is c ≥ 300 mm and ≥ 2 h_{ef}.

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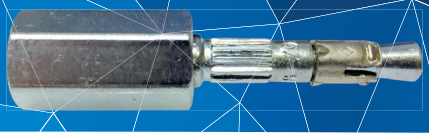
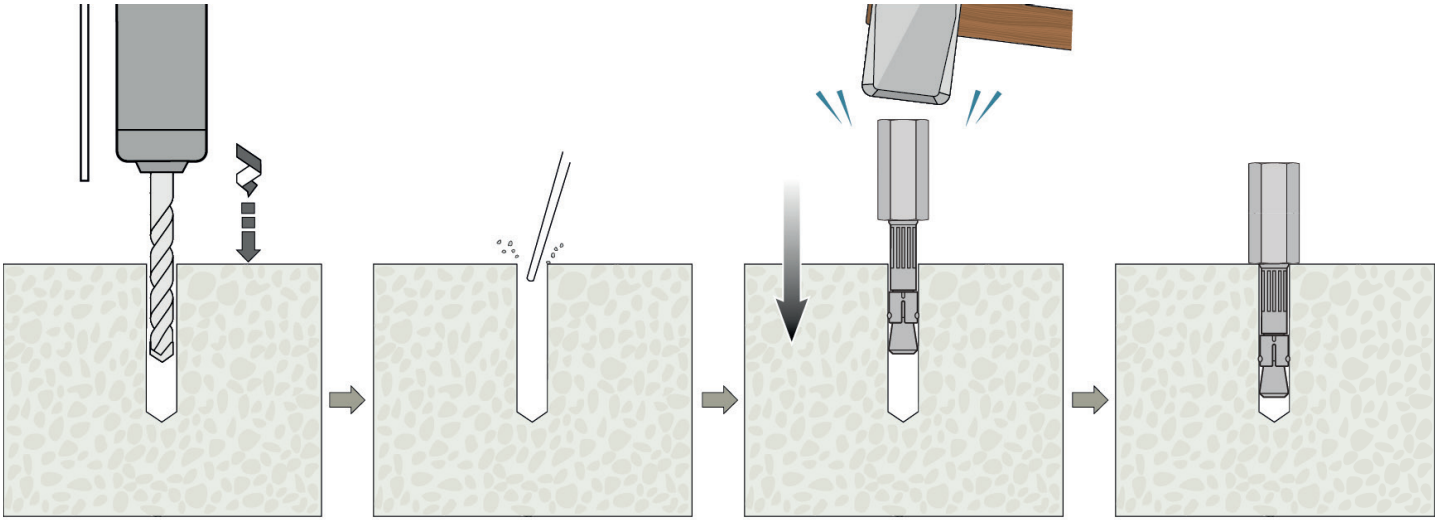


INSTALLATION INSTRUCTIONS



-Drill correct diameter hole to corresponding depth

-Clean hole by blowing to remove drilling debris and dust

-Check the coupling nut is completely tightened

-Insert anchor into concrete by using a suitable hammer

-Use the desired threaded rod

For variations in structure thickness, reduced spacing and edge calculations download the free **A**nchor **C**alculation **P**rogram from **www.jcpfixings.co.uk**

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