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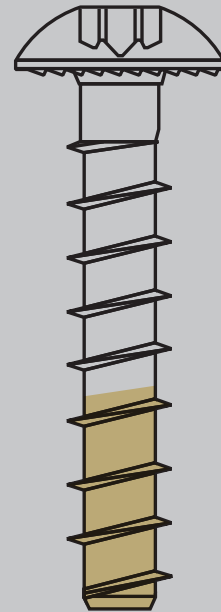
CONCRETE SCREW-ANCHOR TORX BUTTON HEAD / 316 (A4) STAINLESS STEEL

316

CERTIFICATION

TDS

Technical Data Sheet



For Install Support

techadvice@allfasteners.com.au



For Specification Support

engineering@allfasteners.com.au



For Customer Support

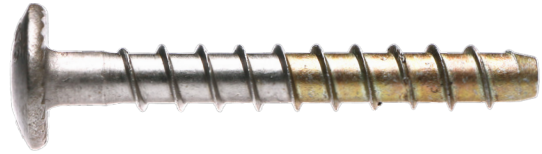
1800 255 349

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CONCRETE SCREW-ANCHOR TORX BUTTON HEAD / 316 (A4) STAINLESS STEEL

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Concrete Screw-Anchor Torx Button Head,
316 (A4) Stainless Steel



NCC
COMPLIANT
AS 5216



- Connecting structural steel or timber to concrete
- Facades, balustrades, building services, height access systems, industrial, fencing
- A4 stainless steel for corrosive environments, outdoors

ETA cracked and uncracked concrete

R30 - R120 fire rated

Supported by AFOS anchor design software

Anchor Summary

Part Number	Description, Dia x L	Max. Fixture Thickness, t_{fix}	Embedment Depth, h_{nom}	Drill Hole Dia x Depth, $d_o \times h_i$	Minimum Concrete Thickness, h_{min}	Design Capacity in 32MPa Cracked Concrete ²⁾		Indicative Price Per Fixing ³⁾
						Tension	Shear	
1SABS06080	6 x 80mm ¹⁾	10mm	70mm ¹⁾	6 x 80mm	110mm	2.0kN ¹⁾	2.0kN ¹⁾	\$3.23
1SABS08100	8 x 100mm	15mm	85mm	8 x 95mm	125mm	2.4kN	8.9kN	\$4.87
1SABS10090	10 x 90mm ⁴⁾	10mm	80mm ⁴⁾	10 x 90mm	120mm	3.8kN ⁴⁾	6.0kN ⁴⁾	\$5.81
1SABS10125	10 x 125mm	25mm	100mm	10 x 100mm	140mm	5.8kN	13kN	\$7.98

1) The 6mm anchor is to be used only for multiple anchor redundant non-structural systems in concrete. Higher design capacities are possible depending on specific system arrangement (up to 2.1kN tension and 3.0kN shear).

2) Without concrete edge or anchor spacing influence. This table contains preliminary design information only. Please refer to our AFOS Anchor Design Software and the ETA for more details.

3) Based on a volume of 500+ fixings, as of January 2023.

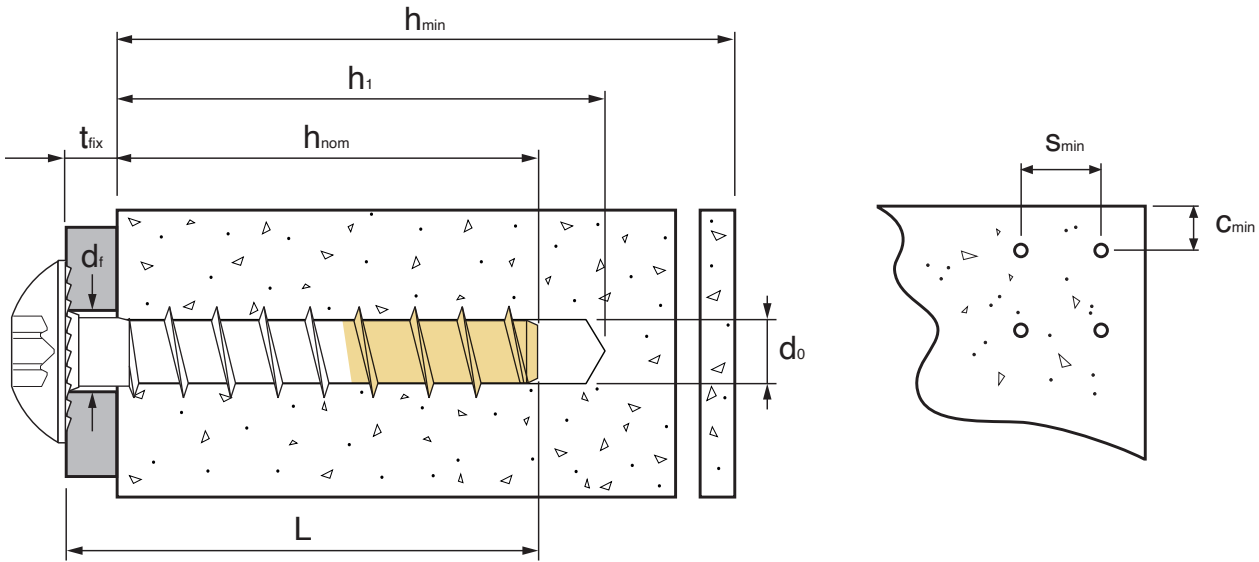
4) This reduced embedment for the 10mm anchor is not NCC compliant in the absence of ETA data.

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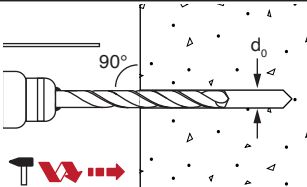
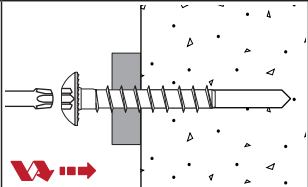
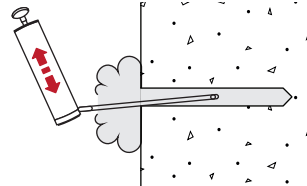
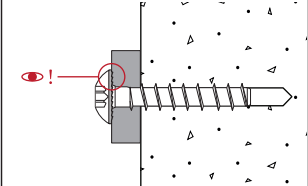
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Installation Parameters

Anchor Size		[mm]	6	8	10
Nominal diameter of drill bit	d_o	[mm]	6	8	10
Fixture clearance hole diameter	d_f	[mm]	9	11	13
Minimum edge distance	c_{min}	[mm]	40	50	60
Minimum spacing	s_{min}	[mm]	40	50	60
Max. power output, power tool setting	T_{max}	[Nm]	80	120	185
Driver Bit	Torx	-	T40	T45	T50



Installation Instructions:

Drill hole preparation and cleaning			Install concrete screw-anchor		
1		Drill hole perpendicular to concrete surface. Using a vacuum drill, continue with step 3.	3		Screw in the anchor using an impact screw driver to the corresponding torque value / setting / maximum power output. Ensure not to overtighten.
2		Blow out dust or alternatively vacuum clean down to the bottom of the hole.	4		Check to ensure that you have full contact of screw head with fixture.

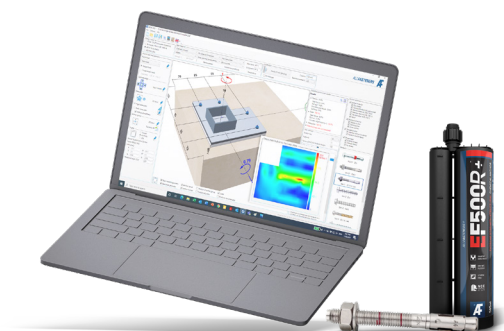
For other anchor properties, please refer to the ETA on our website.



AFOS®
Anchor Design Software

DOWNLOAD

allfasteners.com.au/afos



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