

SAB-S

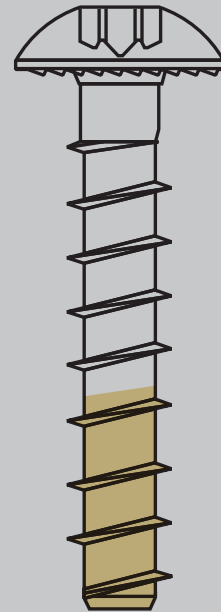
CONCRETE SCREW-ANCHOR TORX BUTTON HEAD / 316 (A4) STAINLESS STEEL / C1 SEISMIC RATED

316

CERTIFICATION

TDS

Technical Data Sheet



NCC
COMPLIANT
AS 5216



For Install Support

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For Specification Support

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For Customer Support

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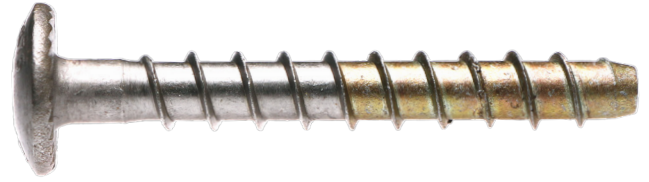


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CONCRETE SCREW-ANCHOR TORX BUTTON HEAD / 316 (A4) STAINLESS STEEL

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Concrete Screw-Anchor Torx Button Head,
316 (A4) Stainless Steel, C1 Seismic Rated



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

AS 5216 Compliant

ETA Cracked and Uncracked Concrete

C1 Seismic Rated

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}	Effective Anchor Depth, h_{ef}	Drill Hole Dia x Depth, $d_0 \times h_1$	Minimum Concrete Thickness, h_{min}	Seismic C1 / C2	Design Capacity in 32MPa Cracked Concrete ²⁾		Indicative Price Per Fixing ³⁾
								Tension	Shear	
1041.0060060	6 x 60mm ¹⁾⁴⁾	5mm	55mm ¹⁾⁴⁾	30mm ¹⁾⁴⁾	6 x 65mm	95mm	- / -	1.4kN ¹⁾⁴⁾	2.0kN ¹⁾⁴⁾	\$2.82
1041.0060080	6 x 80mm ¹⁾	10mm	70mm ¹⁾	43mm ¹⁾	6 x 80mm	110mm	- / -	2.0kN ¹⁾	2.0kN ¹⁾	\$3.81
1041.0080075	8 x 75mm ⁴⁾	10mm	65mm ⁴⁾	35mm ⁴⁾	8 x 75mm	105mm	- / -	1.6kN ⁴⁾	5.2kN ⁴⁾	\$4.60
1041.0080100	8 x 100mm	15mm	85mm	52mm	8 x 95mm	125mm	✓ / -	2.4kN	8.9kN	\$5.75
1041.0100090	10 x 90mm ⁴⁾	10mm	80mm ⁴⁾	42mm ⁴⁾	10 x 90mm	120mm	- / -	4.2kN ⁴⁾	7.0kN ⁴⁾	\$6.47
1041.0100125	10 x 125mm	25mm	100mm	59mm	10 x 110mm	140mm	✓ / -	5.9kN	13.0kN	\$8.88

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. Static and quasi-static load such as wind. To consider all design inputs and details, please refer to our AFOS Anchor Design Software or the ETA.

3) Based on a volume of 500+ fixings, as of March 2026.

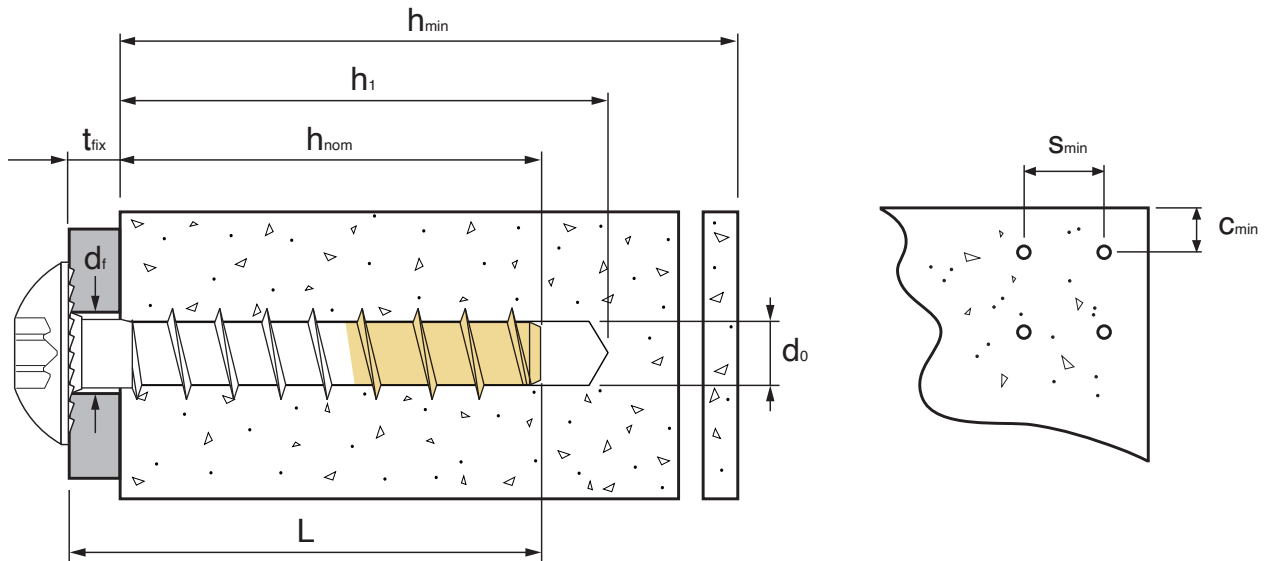
4) This reduced embedment is not NCC compliant in the absence of ETA data.

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

Installation Parameters

Anchor Size		[mm]	6	8	10
Embedment depth	h_{nom}	[mm]	70	85	100
Drill hole diameter	d_o	[mm]	6	8	10
Depth of drill hole	$h_i \geq$	[mm]	80	95	110
Fixture clearance hole diameter	d_f	[mm]	9	11	13
Max. power output, power tool setting	T_{max}	[Nm]	80	120	185
Driver bit	Torx	-	T40	T45	T50
Minimum thickness of concrete member	h_{min}	[mm]	110	125	140
Minimum spacing	s_{min}	[mm]	40	50	60
Minimum edge distance	c_{min}	[mm]	40	50	60



Installation Instructions

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

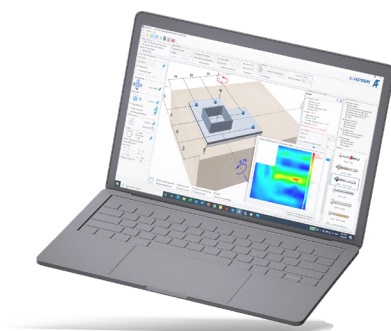
For other anchor properties, please refer to the ETA on our website.



AFOS[®]
Anchor Design Software

DOWNLOAD

allfasteners.com.au/afos



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