

SAH-S

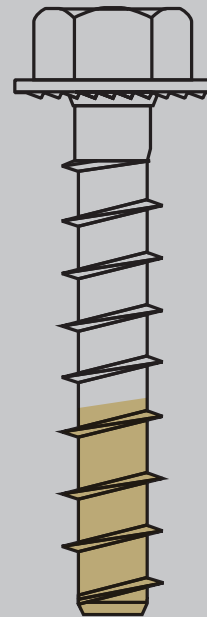
CONCRETE SCREW-ANCHOR HEX HEAD / 316 (A4) STAINLESS STEEL

316

CERTIFICATION

TDS

Technical Data Sheet



NCC
COMPLIANT
AS 5216



For Install Support

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For Specification Support

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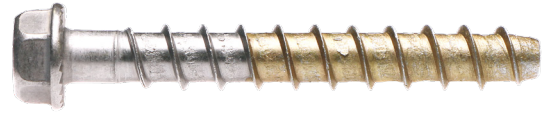


For Customer Support

1800 255 349

SAH-S

Concrete Screw-Anchor Hex 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, $d_0 \times h_1$	Minimum Concrete Thickness, h_{min}	Design Capacity in 32MPa Cracked Concrete ²⁾		Indicative Price Per Fixing ³⁾
						Tension	Shear	
1SAHS06080	6 x 80mm ¹⁾	10mm	70mm ¹⁾	6 x 80mm	110mm	2.0kN ¹⁾	2.0kN ¹⁾	\$2.95
1SAHS08075	8 x 75mm ¹⁾	23mm	52mm ¹⁾	8 x 65mm	100mm	1.6kN ¹⁾	2.0kN ¹⁾	\$3.59
1SAHS08090	8 x 90mm	38mm	52mm ¹⁾	8 x 65mm	100mm	1.6kN ¹⁾	2.0kN ¹⁾	\$4.05
		5mm	85mm	8 x 95mm	125mm	2.7kN	10.8kN	
1SAHS08100	8 x 100mm	48mm	52mm ¹⁾	8 x 65mm	100mm	1.6kN ¹⁾	2.0kN ¹⁾	\$4.37
		15mm	85mm	8 x 95mm	125mm	2.7kN	10.8kN	
1SAHS10105	10 x 105mm	5mm	100mm	10 x 110mm	140mm	5.8kN	13.0kN	\$5.40
1SAHS10120	10 x 120mm	20mm	100mm	10 x 110mm	140mm	5.8kN	13.0kN	\$5.82
1SAHS12150	12 x 150mm	30mm	120mm	12 x 130mm	170mm	8.4kN	31.2kN	\$8.68

1) The anchor at this h_{nom} is to be used only for multiple anchor redundant non-structural systems in concrete. Higher design capacities are possible for 6mm dia anchor, depending on specific system arrangement (up to 3.0kN).

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.

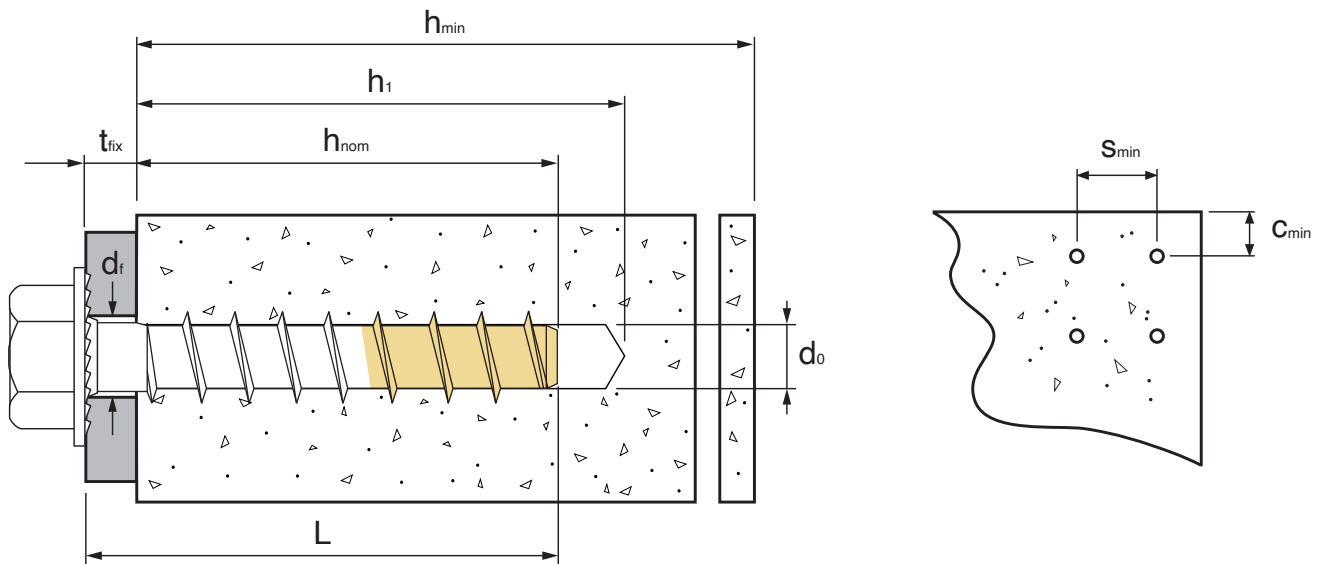
3) Based on a volume of 300+ to 1000+ fixings, as of January 2023.

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

Installation Parameters

Anchor Size		[mm]	6	8	10	12
Nominal diameter of drill bit	d_o	[mm]	6	8	10	12
Fixture clearance hole diameter	d_f	[mm]	9	11	13	15
Minimum edge distance	c_{min}	[mm]	40	50	60	70
Minimum spacing	s_{min}	[mm]	40	50	60	70
Max. power output, power tool setting	T_{max}	[Nm]	120	120	185	185



Installation Instructions:

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

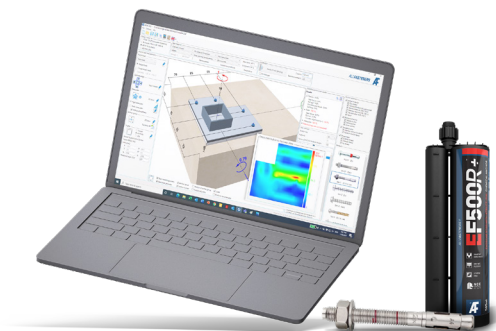
For other anchor properties, please refer to the ETA on our website.



AFOS[®]
Anchor Design Software

DOWNLOAD

allfasteners.com.au/afos



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