

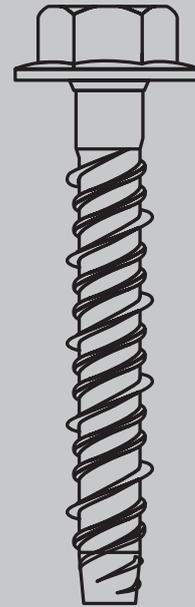
# SAH2-G SCREW-ANCHOR MARK2 GALVANISED

GAL

CERTIFICATION

TDS

## Technical Data Sheet



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# SAH2-G

CONCRETE SCREW-ANCHOR HEX HEAD / GALVANISED / C1 & C2 SEISMIC RATED

## SAH2-G

Concrete Screw-Anchor Hex Head,  
Galvanised, C1 & C2 Seismic Rated



- High performance economic anchor for building services, facades and other structural applications
- Small spacings and edge distances
- Galvanised (**35µm, high density, high performance coating, 3,000 salt spray hours**)

AS 5216 Compliant

ETA Cracked and Uncracked Concrete

C1 & C2 Seismic Rated

R30 – R120 Fire Rated

Supported by AFOS Anchor Design Software

### Anchor Summary

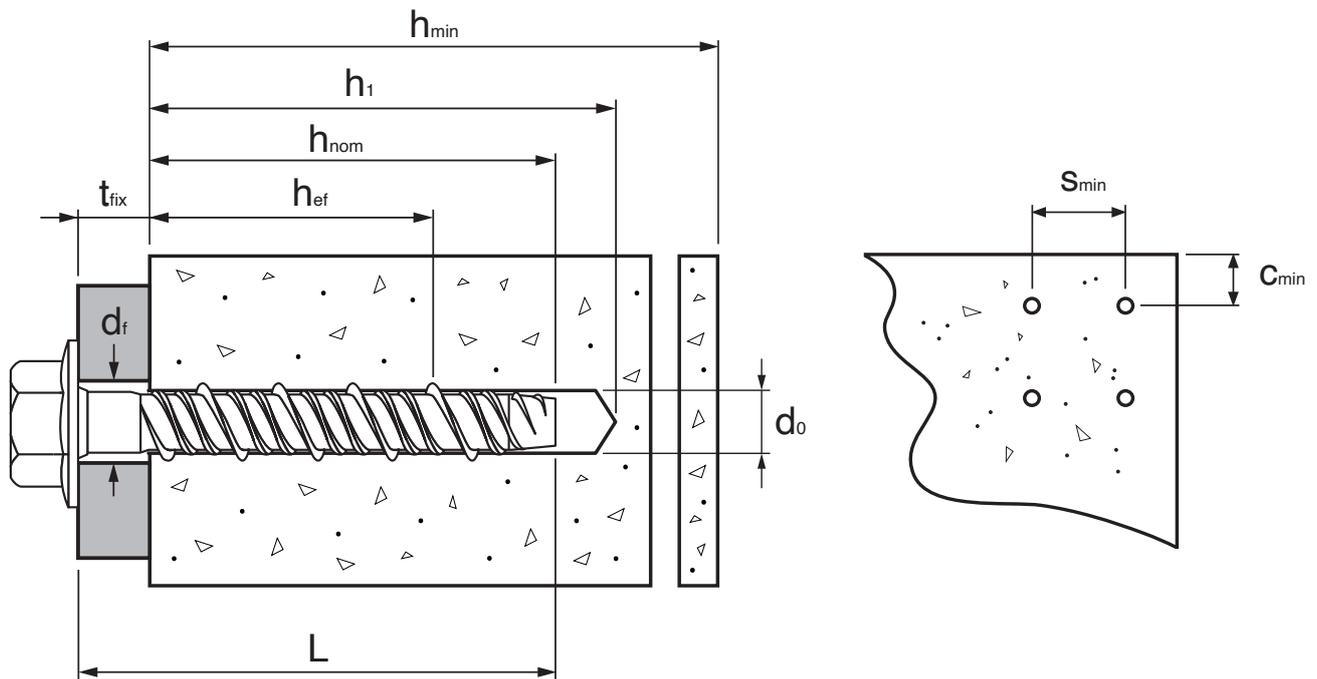
Part Number	Description, Dia x L	Max. Fixture Thickness, t <sub>fix</sub>	Embedment Depth, h <sub>nom</sub>	Effective Anchor Depth, h <sub>ef</sub>	Drill Hole Dia x Depth, d <sub>0</sub> x h <sub>1</sub>	Minimum Concrete Thickness, h <sub>min</sub>	Seismic C1 / C2	Design Capacity in 32MPa Cracked Concrete <sup>1)</sup>		Indicative Price Per Fixing <sup>2)</sup>
								Tension	Shear	
1046.0060045	6 x 45mm	5mm	40mm	29mm	6 x 50mm	100mm	✓ / -	2.0kN	4.5kN	\$0.37
1046.0080065	8 x 65mm	15mm	50mm	37mm	8 x 60mm	100mm	- / -	4.0kN	7.8kN	\$0.79
		5mm	60mm	45mm	8 x 70mm	100mm	✓ / ✓	5.4kN	8.7kN	

1) 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.

2) Based on a volume of 10000+ fixings, as of June 2025.

**INSTALLATION PARAMETERS:**

Anchor Size		[mm]	6	8	
Embedment depth	$h_{nom}$	[mm]	40	50	60
Drill hole diameter	$d_o$	[mm]	6	8	
Depth of drill hole	$h_1 \geq$	[mm]	50	60	70
Diameter of clearance hole in fixture	$d_f$	[mm]	9	12	
Installation torque	$T_{inst}$	[Nm]	15	25	
Driver	Hex	[mm]	10	13	
Minimum thickness of concrete member	$h_{min}$	[mm]	100	100	100
Minimum spacing	$S_{min}$	[mm]	35	35	50
Minimum edge distance	$C_{min}$	[mm]	35	35	50





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## INSTALLATION INSTRUCTIONS:

<p>1</p>		<p><b>DRILL:</b> Drill a hole into the base material of correct diameter and depth by using a carbide drill bit in rotary plus hammer mode.</p>
<p>2</p>		<p><b>BLOW &amp; CLEAN:</b> Remove dust and debris from hole and loose particles left from drilling by using hand pump, compressed air or vacuum.</p>
<p>3</p>		<p><b>INSTALL:</b> Hold screw anchor perpendicular direction into the base material through fixtures.</p>
<p>4</p>		<p><b>APPLY TORQUE:</b> Select a power impact wrench or calibrated torque wrench (Eg. Bosch GDS 18E, power input: 500W; torque: 50-250Nm). Power impact wrench does not exceed over torque <math>T_{inst}</math>.</p>
<p>5</p>		<p><b>CHECK:</b> The head must be undamaged and in contact with the fixture. When screw head touches fixture or concrete surface firmly, further turning of the head is unnecessary.</p>

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



**AFOS**<sup>®</sup>  
Anchor Design Software

DOWNLOAD

[allfasteners.com.au/afos](http://allfasteners.com.au/afos)



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