

SAI-Z

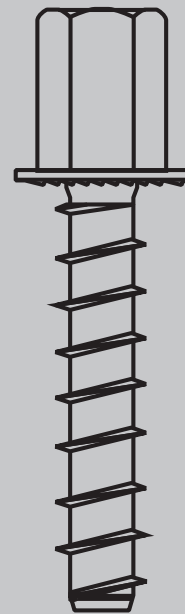
FEMALE THREADED ROD HANGER SCREW-ANCHOR, M8/M10 / ZINC PLATED

ZP

CERTIFICATION

TDS

Technical Data Sheet



NCC
COMPLIANT
AS 5216



For Install Support

techadvice@allfasteners.com.au



For Specification Support

engineering@allfasteners.com.au



For Customer Support

1800 255 349



Quality
ISO 9001
SAI GLOBAL

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FEMALE THREADED ROD HANGER SCREW-ANCHOR, M8/M10 / ZINC PLATED

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Female Threaded Rod Hanger,
M8/M10, Zinc Plated



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AS 5216



- M8/M10 internal thread coupler
- Suspended ceilings, building services, overhead connections
- For multiple anchor redundant non-structural systems
- Zinc Plated (5µm min.) for dry internal environments or temporary works

AS 5216 Compliant

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}	Effective Anchor Depth, h_{ef}	Drill Hole Dia x Depth, $d_0 \times h_1$	Min. Concrete Thickness, h_{min}	Design Capacity in 32MPa Cracked Concrete ²⁾		Indicative Price Per Fixing ⁴⁾
							Tension	Shear ³⁾	
1050.0060057	6 x 57mm ¹⁾	0mm	55mm	43mm	6 x 64mm	100mm	2.0kN ¹⁾	2.0kN ¹⁾	\$1.27

1) This fixing 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 3.0kN).

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) Shear capacity applicable when shear loading is applied under the washer, not to the coupler on top.

4) Based on a volume of 1000+ fixings, as of March 2026.

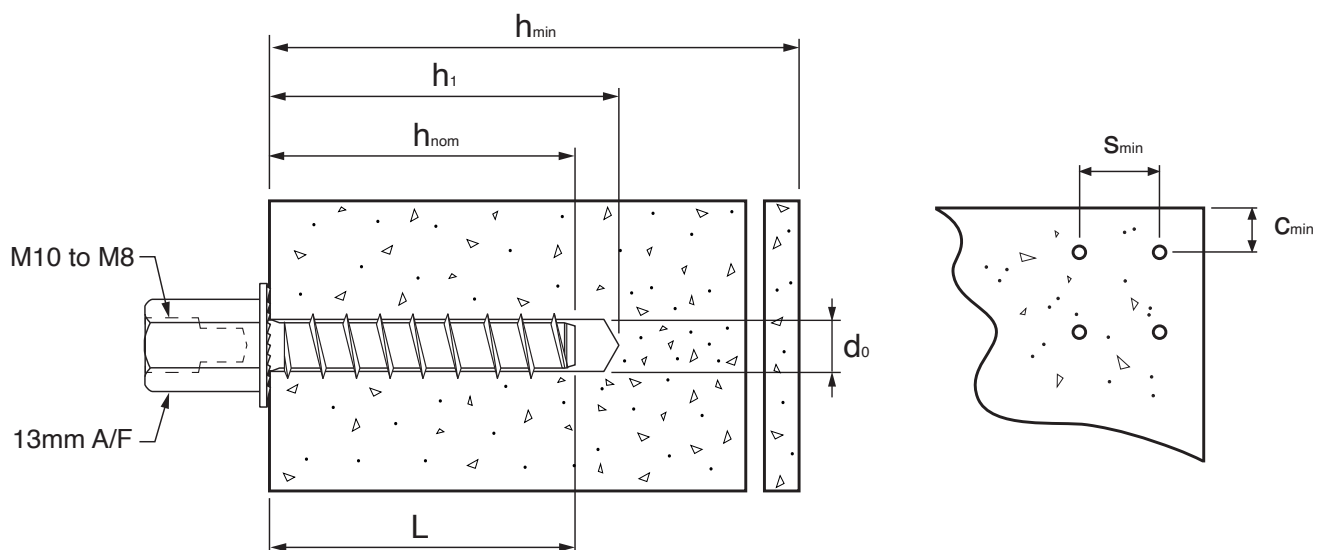
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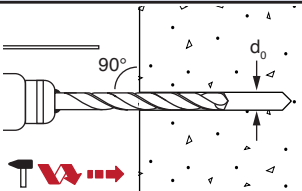
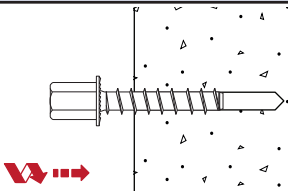
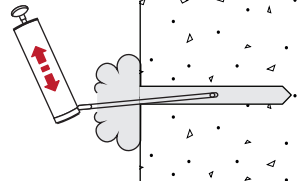
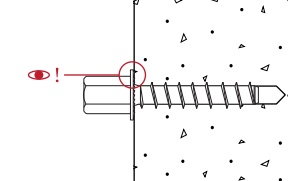
Installation Parameters

Anchor Size		[mm]	6
Embedment depth	h_{nom}	[mm]	55
Drill hole diameter	d_o	[mm]	6
Depth of drill hole	$h_i \geq$	[mm]	64
Max. installation torque for screws with metric connection thread	$T_{inst} \leq$	[Nm]	20
Tangential impact screw driver ¹⁾	$T_{imp,max}$	[Nm]	80
Socket driver	A/F	[mm]	13
Minimum thickness of concrete member	h_{min}	[mm]	100
Minimum spacing	s_{min}	[mm]	40
Minimum edge distance	c_{min}	[mm]	40

1) Installation with tangential impact screw driver, with maximum power output $T_{imp,max}$ according to manufacturer's instructions is possible.



Installation Instructions

Drill hole preparation and cleaning			Install rod hanger screw-anchor		
1		Drill hole perpendicular to concrete surface. Using a vacuum drill, continue with step 3.	3		Screw in anchor by using a torque wrench or impact driver. Apply installation torque T_{inst} by using a calibrated torque wrench or by tool setting $T_{imp, max}$ if using an impact driver. 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 concrete.

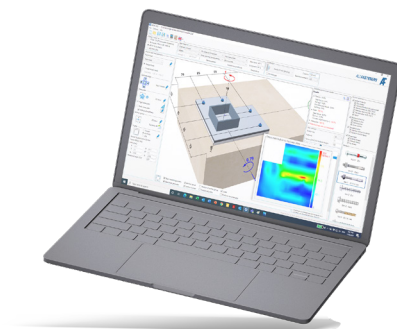
For other anchor properties, please refer to the ETA on our website.



AFOS®
Anchor Design Software

DOWNLOAD

allfasteners.com.au/afos



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Allfasteners® 78-84 Logistics Street Keilor Park VIC 3042 Australia +61 3 9330 0555 Allfasteners Pty Ltd. ACN 113 948 100 ABN 86 766 075 300
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