

# SAI-Z

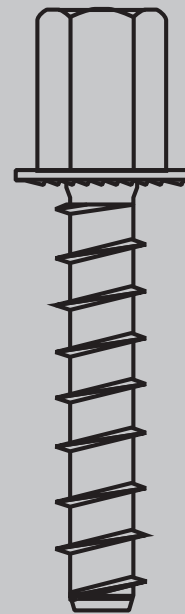
## FEMALE THREADED ROD HANGER SCREW-ANCHOR, M8/M10 / ZINC PLATED

**ZP**

CERTIFICATION

TDS

### Technical Data Sheet



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# SAI-Z

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

## SAI-Z

Female Threaded Rod Hanger,  
M8/M10, Zinc Plated



**NCC**  
COMPLIANT  
AS 5216



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

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, $d_o \times h_1$	Min. Concrete Thickness, $h_{min}$	Design Capacity in 32MPa Cracked Concrete <sup>2)</sup>		Indicative Price Per Fixing <sup>4)</sup>
						Tension	Shear <sup>3)</sup>	
1SAIZM0810	6 x 57mm <sup>1)</sup>	0mm	55mm	6 x 64mm	100mm	2.0kN <sup>1)</sup>	2.0kN <sup>1)</sup>	\$1.14

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. This table contains preliminary design information only. Please refer to our AFOS Anchor Design Software and the ETA for more details.

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

4) Based on a volume of 1,000+ fixings, as of January 2023.

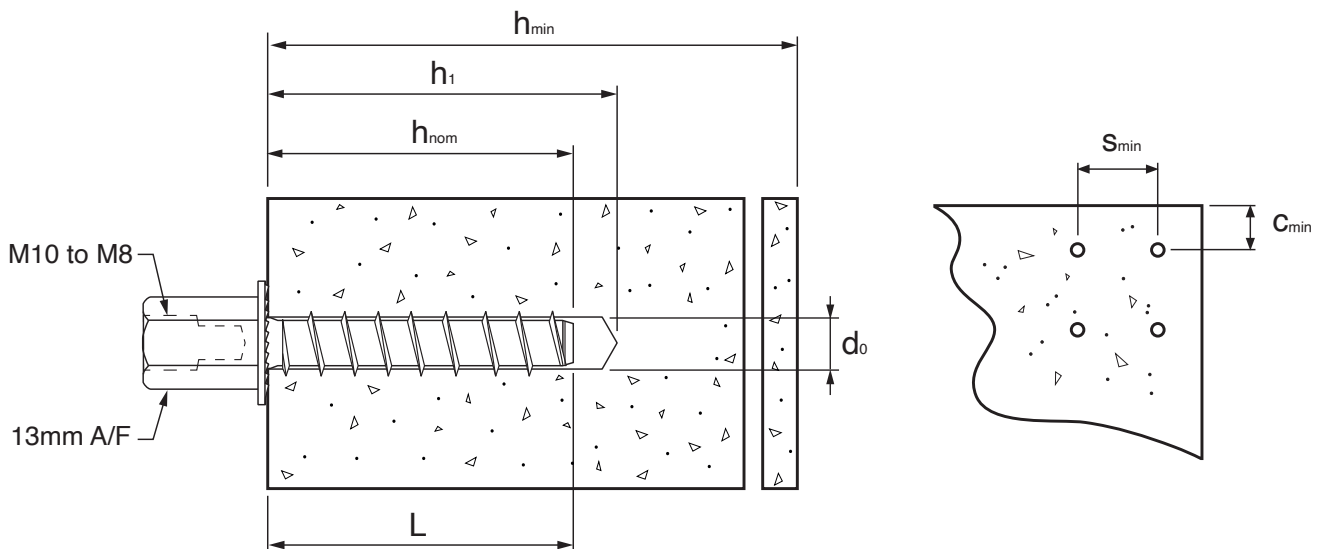
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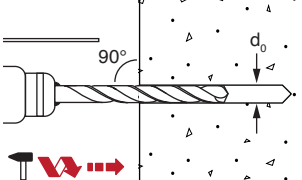
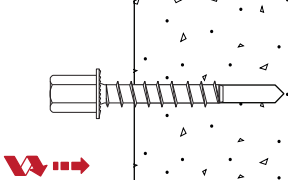
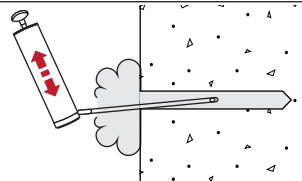
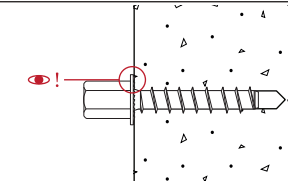
## Installation Parameters

Anchor Size		[mm]	6
Nominal diameter of drill bit:	$d_0$	[mm]	6
Fixture clearance hole diameter	$d_f$	[mm]	9
Minimum edge distance	$c_{min}$	[mm]	40
Minimum spacing	$s_{min}$	[mm]	40
Max. installation torque for screws with metric connection thread	$T_{inst} \leq$	[Nm]	20
Tangential impact screw driver <sup>1)</sup>	$T_{imp,max}$	[Nm]	80
Socket Driver	A/F	[mm]	13

1) Installation with tangential impact screw driver, with maximum power output  $T_{inst,max}$  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 $T_{max}$ 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.

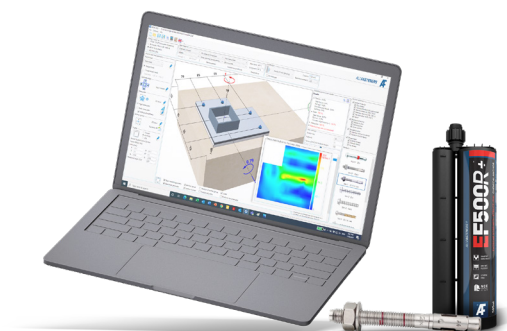
For other anchor properties, please refer to the ETA on our website.



**AFOS®**  
Anchor Design Software

DOWNLOAD

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



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