

SAI-Z

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

ZP

CERTIFICATION

TDS

Technical Data Sheet



For Install Support
techadvice@allfasteners.com.au



For Specification Support
engineering@allfasteners.com.au



For Customer Support
1800 255 349



SAI-Z

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

SAI-Z

Female Threaded Rod Hanger,
M8/M10, Zinc Plated



- 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, $d_0 \times h_1$	Min. Concrete Thickness, h_{min}	Design Capacity in 32MPa Cracked Concrete ²⁾		Indicative Price Per Fixing ⁴⁾
						Tension	Shear ³⁾	
1SAIZM0810	6 x 57mm ¹⁾	0mm	55mm	6 x 64mm	100mm	2.0kN ¹⁾	2.0kN ¹⁾	\$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.

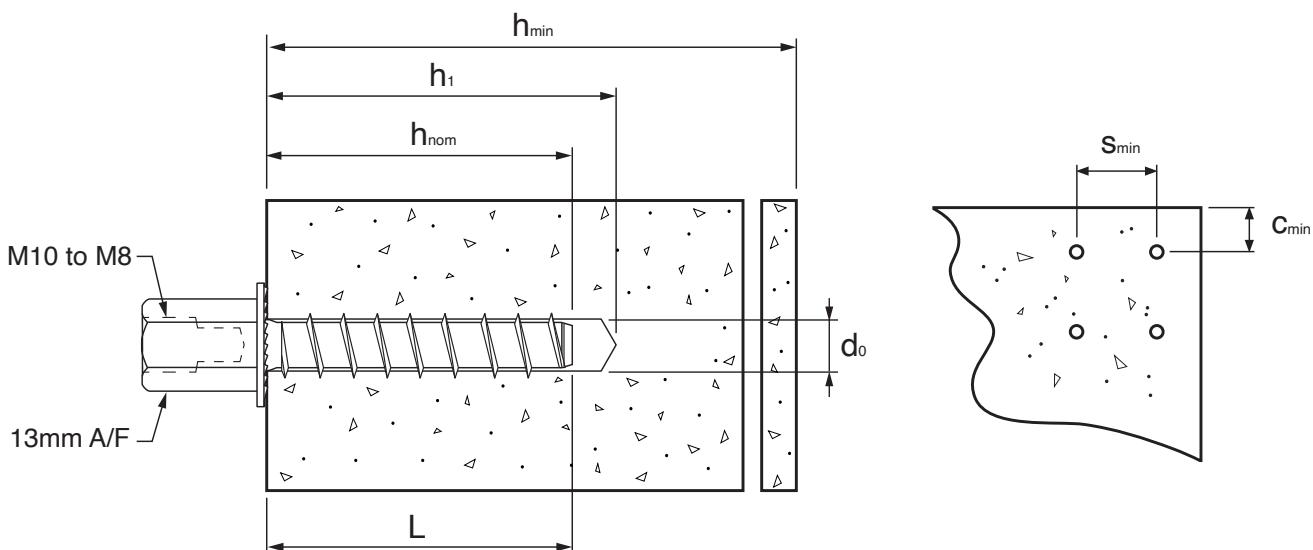
3) Shear capacity applicable when shear loading is applied under the washer, not to the coupler on top.

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

Installation Parameters

Anchor Size		[mm]	6
Nominal diameter of drill bit:	d_o	[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 ¹⁾	$T_{imp,max}$	[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.
2		Blow out dust or alternatively vacuum clean down to the bottom of the hole.

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



AFOS®
Anchor Design Software

[DOWNLOAD](#)

allfasteners.com.au/afos



Important Note: Whilst all reasonable care is taken in compiling technical data on the Company's products, all information, recommendations, or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company. It is the customer's responsibility to satisfy himself that each product is fit for the purpose for which he intends to use it, that the actual conditions of use are suitable, and that in the light of our continual research and development programme the information relating to each product has not been superseded. Allfasteners, its agencies and employees, disclaim any and all liability in respect of anything or the consequences of anything done or omitted to be done in reliance upon the whole or any part of this document.

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
Copyright © 2023. The contents of this document remains the property of Allfasteners® and may not be reproduced without prior written permission.