



XSAI-Z Rod Hanger Concrete Screw-Anchor

ZINC PLATED / C1 SEISMIC RATING

XSAI-Z High Performance ●●●●●



NCC
COMPLIANT
AS 5216



- M8/M10 internal thread coupler
- For the direct attachment of threaded rod
- Suspended ceilings, building services, overhead connections
- Zinc Plated for dry internal environments or temporary works
- Supported by AFOS anchor design software

Hex coupler with internal M8/M10 thread. Removable washer

Self cutting threads

Zinc plated coating ($\geq 5\mu\text{m}$)

AS 5216 Compliant

ETA Cracked & Un-cracked Concrete

C1 Seismic Rating

R30 - R120 Fire Rating

Anchor Summary

Part Number	Description	Max. Fixture Thickness, t_{fx}	Embedment Depth, h_{nom}	Drill Hole Dia x Depth, $d_o \times h_1$	Min. Concrete Thickness, h_{min}	Seismic C1/C2	Design Capacity in 32MPa Cracked Concrete ²⁾		Indicative Price Per Fixing ⁴⁾
							Tension	Shear ³⁾	
1XSAIZM0810.35	6 x 35mm	0mm	35mm ¹⁾	6 x 40mm	80mm	- / -	0.7kN ¹⁾	0.7kN ¹⁾	\$1.04
		20mm	35mm ¹⁾	6 x 40mm		- / -	0.7kN ¹⁾	0.7kN ¹⁾	
1XSAIZM0810.55	6 x 55mm	15mm	40mm	6 x 45mm		✓ / -	1.6kN	5.0kN	\$1.07
		0mm	55mm	6 x 60mm		✓ / -	3.3kN	5.6kN	

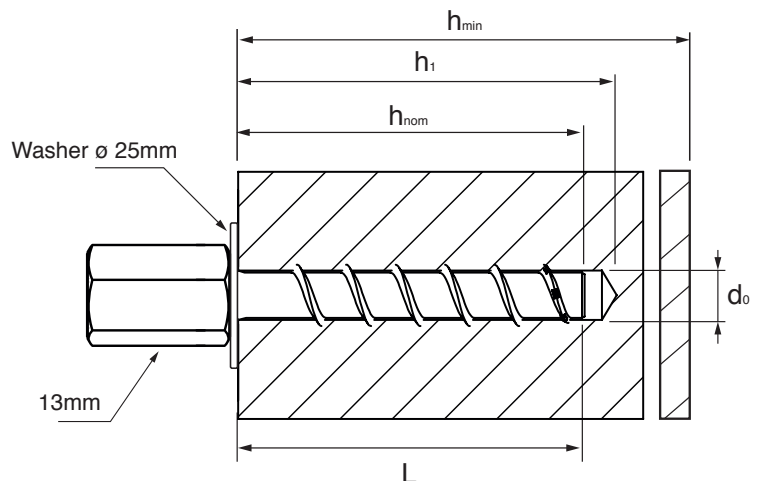
1) For embedment $h_{nom}=35\text{mm}$, the fixing is to be used only for multiple anchor redundant non-structural systems in concrete and pre-stressed hollow core slabs. Higher design capacities are possible depending on specific system arrangement (up to 2.5kN).

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 1000+ fixings, as of January 2021.

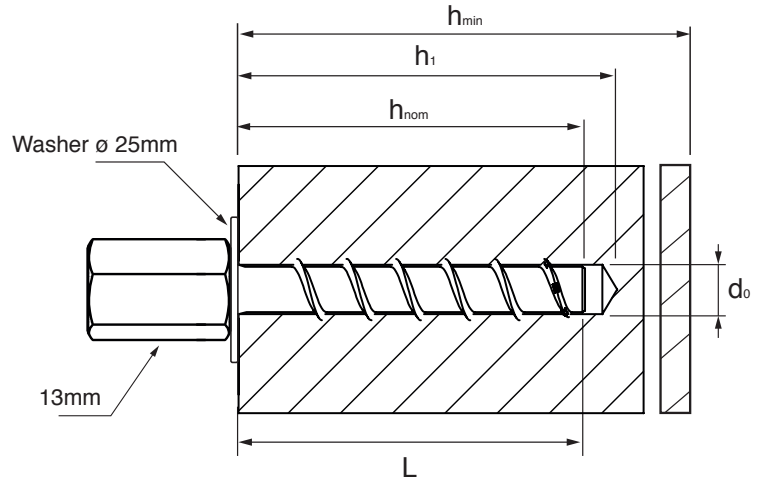
For further anchor properties, please refer to the ETA on our website.



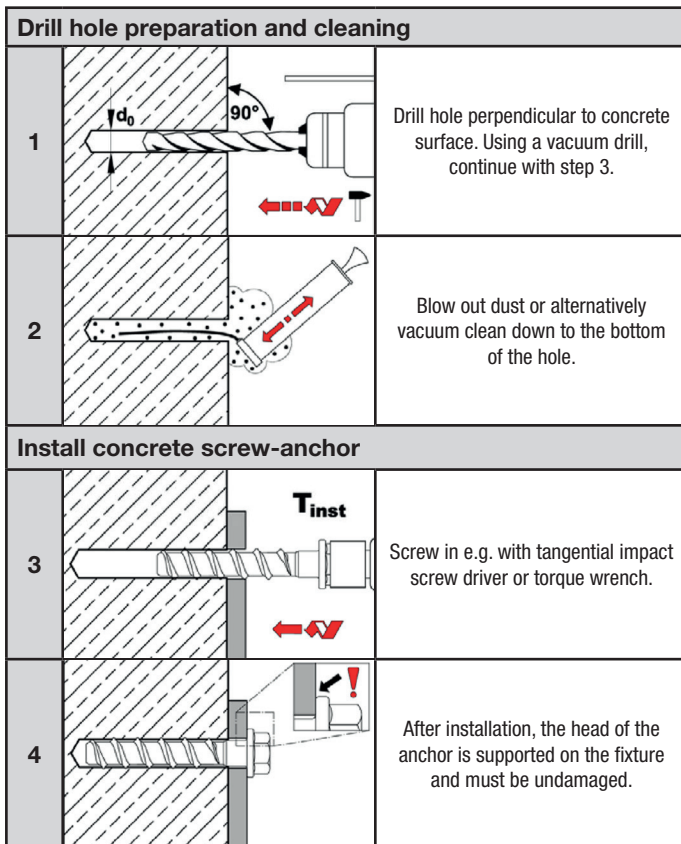
Installation Parameters

Anchor Size			6
			XSAI-Z
Driver		[mm]	13
Diameter of clearance hole in fixture	$d_f \leq$	[mm]	8
Max. installation torque for screws with metric connection thread	$T_{inst} \leq$	[Nm]	10
Tangential impact screw driver ¹⁾	$T_{imp,max}$	[Nm]	160
Nominal embedment depth	h_{nom}	[mm]	40 55
Minimum thickness of member	h_{min}	[mm]	80
Minimum spacing	s_{min}	[mm]	40
Minimum edge distance	c_{min}	[mm]	40

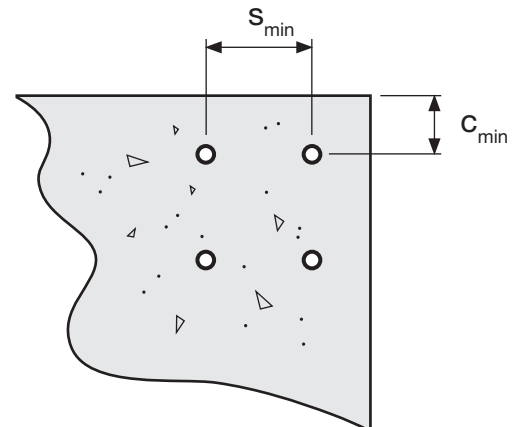
1) Installation with tangential impact screw driver, with maximum power output $T_{inst,max}$ aa. to manufacturer's instructions is possible



Installation Instructions



Annex A1



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. This document serves only as an aid to interpret the standards and approvals without any guarantee to the absence of errors. The results should be checked by a suitably qualified person for correctness and relevance of the results for the application.