

# XSAB-Z Button Head Concrete Screw-Anchor

ZINC PLATED / C1 SEISMIC RATING

XSAB-Z High Performance ●●●●●



- Internal wall partitioning, suspended ceilings, building services, brackets
- Zinc Plated for dry internal environments or temporary works
- Supported by AFOS anchor design software

Pan head with torx drive

Self cutting threads

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

AS 5216 Compliant

ETA Cracked & Un-cracked Concrete

C1 Seismic Rating

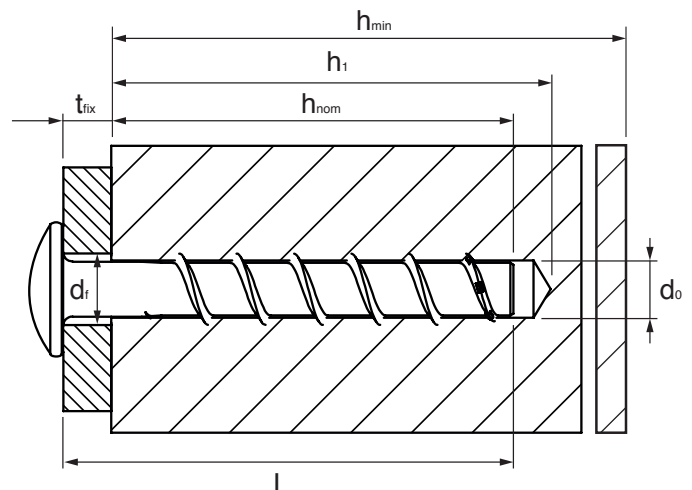
R30 - R120 Fire Rating

## Anchor Summary

Part Number	Description	Max. Fixture Thickness, $t_{\text{fix}}$	Embedment Depth, $h_{\text{nom}}$	Drill Hole Dia x Depth, $d_0 \times h_1$	Min. Concrete Thickness, $h_{\text{min}}^{2)}$	Seismic C1/C2	Design Capacity in 32MPa Cracked Concrete <sup>3)</sup>		Indicative Price Per Fixing <sup>4)</sup>
							Tension	Shear	
1XSABZ06050	6 x 50mm	15mm	35mm <sup>1)</sup>	6 x 40mm	80mm	- / -	0.7kN <sup>1)</sup>	0.7kN <sup>1)</sup>	\$0.59
		10mm	40mm	6 x 45mm		✓ / -	1.6kN	5.0kN	
		45mm	35mm <sup>1)</sup>	6 x 40mm		- / -	0.7kN <sup>1)</sup>	0.7kN <sup>1)</sup>	
1XSABZ06080	6 x 80mm	40mm	40mm	6 x 45mm	80mm	✓ / -	1.6kN	5.0kN	\$0.83
		25mm	55mm	6 x 60mm		✓ / -	3.3kN	5.6kN	

- For embedment  $h_{\text{nom}}=35\text{mm}$ , 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).
- If the embedment ( $h_{\text{nom}}$ ) is deeper than specified, the minimum concrete thickness ( $h_{\text{min}}$ ) needs to be increased proportionally.
- 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.
- Based on a volume of 1000+ fixings, as of January 2021.

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



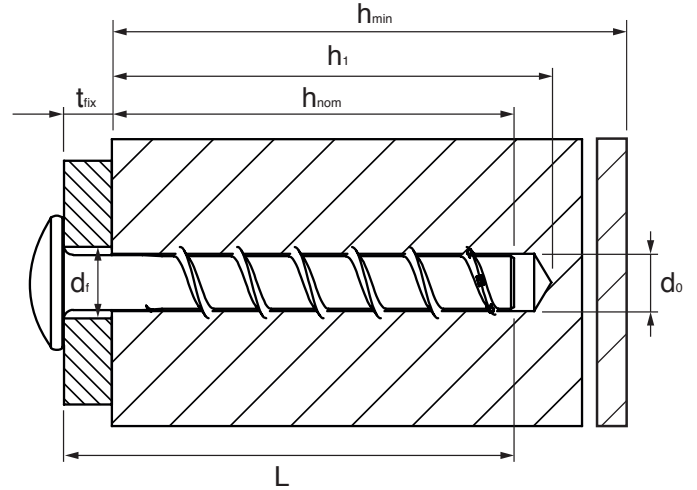
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## Installation Parameters

Anchor Size		6	
		XSAB-Z	
Driver	[mm]	T30	
Diameter of clearance hole in fixture	$d_f \leq$ [mm]	8	
Tangential impact screw driver <sup>1)</sup>	$T_{imp,max}$ [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	

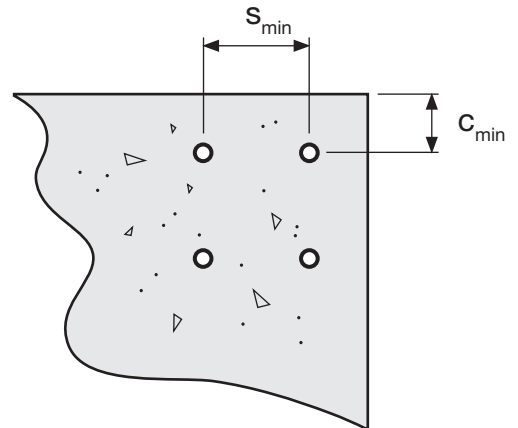
1) Installation with tangential impact screw driver, with maximum power output  $T_{inst,max}$  aa. to manufacturer's instructions is possible



## Installation Instructions

Drill hole preparation and cleaning	
1	<p>Drill hole perpendicular to concrete surface. Using a vacuum drill, continue with step 3.</p>
2	<p>Blow out dust or alternatively vacuum clean down to the bottom of the hole.</p>
Install concrete screw-anchor	
3	<p>Screw in e.g. with tangential impact screw driver or torque wrench.</p>
4	<p>After installation, the head of the anchor is supported on the fixture and must be undamaged.</p>

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.