

WA-S7

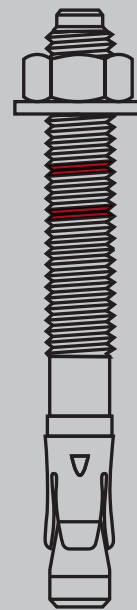
WEDGE ANCHOR / 316 (A4) STAINLESS STEEL

316

CERTIFICATION

TDS

Technical Data Sheet



For Install Support
techadvice@allfasteners.com.au



For Specification Support
engineering@allfasteners.com.au



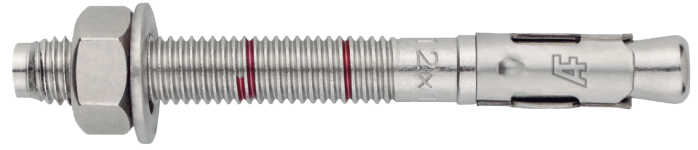
For Customer Support
1800 255 349

WA-S7

WEDGE ANCHOR / 316 (A4) STAINLESS STEEL

WA-S7

Wedge Anchor
316 (A4) Stainless Steel



NCC
COMPLIANT
AS 5216



- Economical stainless steel anchor
- Facades, building services, fencing, industrial
- A4 stainless steel for corrosive environments, outdoors

ETA for uncracked concrete only

R30 – R120 fire assessment

Supported by AFOS anchor design software

Anchor Summary

Part Number	Description, Dia x L	Max. Fixture Thickness, t_{fix}	Effective Anchor Depth, h_{ef}	Embedment Depth, h_{nom}	Drill Hole Dia x Depth, $d_o \times h_i$	Minimum Concrete Thickness, h_{min}	Design Capacity in 32MPa Uncracked Concrete ¹⁾		Indicative Price Per Fixing ²⁾
							Tension	Shear	
1ETBS08065	M8 x 65mm	7mm	35mm	47mm	8 x 50mm	100mm	6.3kN	7.1kN	\$1.41
1ETBS08090	M8 x 90mm	32mm	35mm	47mm	9 x 50mm		6.3kN		\$1.74
		19mm	48mm	60mm	9 x 65mm		10.0kN		
1ETBS08115	M8 x 115mm	57mm	35mm	47mm	10 x 50mm		6.3kN		\$2.43
		44mm	48mm	60mm	10 x 65mm		10.0kN		
1ETBS10090	M10 x 90mm	23mm	42mm	54mm	10 x 60mm	100mm	8.4kN	11.2kN	\$2.22
		10mm	55mm	67mm	10 x 75mm	110mm	11.2kN	11.4kN	
1ETBS10120	M10 x 120mm	53mm	42mm	54mm	10 x 60mm	100mm	8.4kN	11.2kN	\$2.81
		40mm	55mm	67mm	10 x 75mm	110mm	11.2kN	11.4kN	
1ETBS12100	M12 x 100mm	21mm	50mm	62mm	12 x 70mm	100mm	11.2kN	14.6kN	\$3.76
		6mm	65mm	77mm	12 x 85mm	130mm	17.5kN	16.5kN	
1ETBS12140	M12 x 140mm	61mm	50mm	62mm	13 x 70mm	100mm	11.2kN	14.6kN	\$4.76
		46mm	65mm	77mm	13 x 85mm	130mm	17.5kN	16.5kN	

1) 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.

2) Based on a volume of 500+ fixings, as of January 2023.

WA-S7

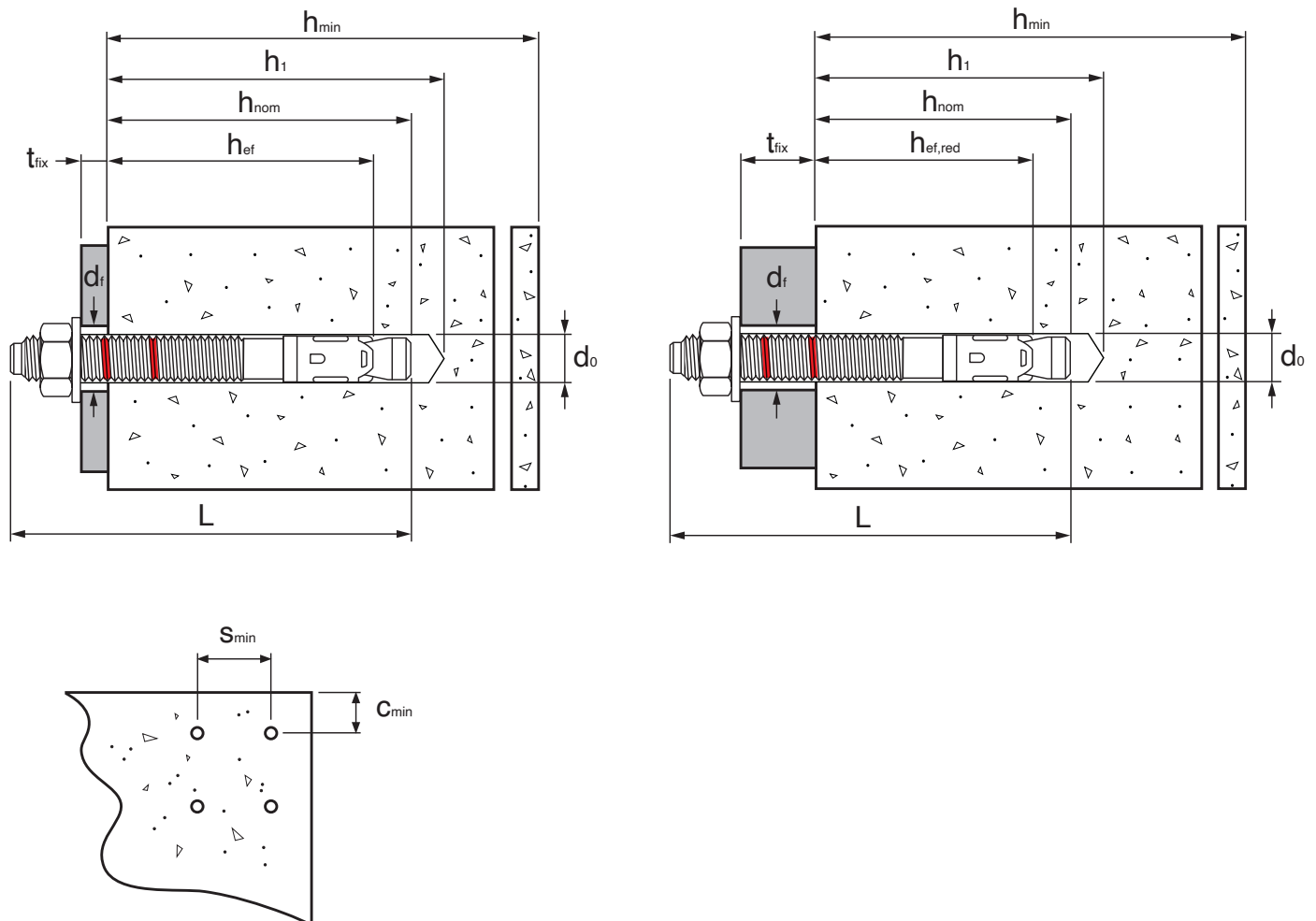
WEDGE ANCHOR / 316 (A4) STAINLESS STEEL

Installation Parameters

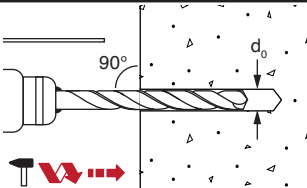
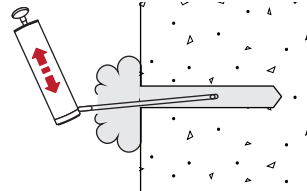
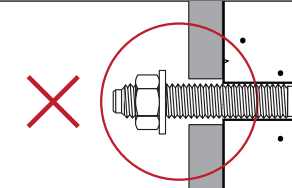
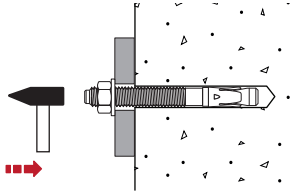
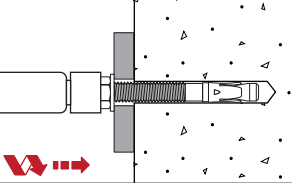
Anchor Size			M8	M10	M12
Nominal diameter of drill bit	d_0	[mm]	8	10	12
Installation torque moment	T_{inst}	[Nm]	20	35	60
Diameter of clearance hole in the fixture	$d_{i\leq}$	[mm]	9	12	14

Standard embedment depth					
Minimum spacing	s_{min}	[mm]	65	70	85
Minimum edge distance	c_{min}	[mm]	65	70	85

Reduced embedment depth					
Minimum spacing	s_{min}	[mm]	65	70	85
Minimum edge distance	c_{min}	[mm]	65	70	85



Installation Instructions:

Drill hole preparation and cleaning		
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.
Install wedge anchor		
3		Ensure anchor is properly seated against fixture.
4		Drive in anchor, such that h_{ef} or $h_{ef,red}$ depth is met. This compliance is ensured if thickness of fixture is not greater than the maximum thickness of fixture marked on the anchor.
5		Apply installation torque T_{inst} by using calibrated torque wrench.

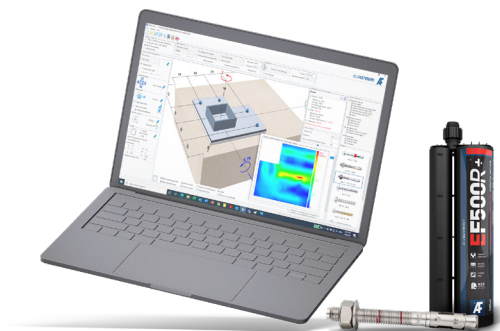
For other anchor properties, please refer to the ETA on our website.



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.