



Substrate	Installation Method	Pull-out Load (lbs)	Average Pull-out (lbs)	Average Pull-out Per Substrate (lbs)	Failure Mode
1.5" Deep, 1.5" Flange	Pre-Drilled	311	314	289	Pull-out
		310			Pull-out
		361			Pull-out
		277			Pull-out
		311			Pull-out
	Self Tapped	278	264		Pull-out
		272			Pull-out
		270			Pull-out
		243			Pull-out
		255			Pull-out
4" Deep, 2" Flange	Pre-Drilled	378	403	438	Pull-out
		365			Pull-out
		465			Pull-out
		518*			Pull-out
		323			Pull-out
		367			Pull-out
	Self Tapped	495	480		Pull-out
		476			Pull-out
		477			Pull-out
		460			Pull-out
		491		Pull-out	

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DATA SHEET Armatherm™ Self Tapping Zee Girt Screw

Introduction & Description

Selection of the fixing to complete the "First Fix" i.e. the Armatherm Zee Girt to the building structure is the responsibility of the EOR. The reason for this is that it can be a number of different types of material. A shot nail system is not recommended, a self-drilling fixing is preferred or pilot holes. Armatherm engineering department is available for comment.

Regarding the "Second Fix", i.e. the outer cladding panel to the Armatherm Zee Girt we have tested a number of fixings. The one we recommend is as follows. These achieved a pull-out force is excess of 480Lbs force.

Armatherm Zee Girt Fixing.

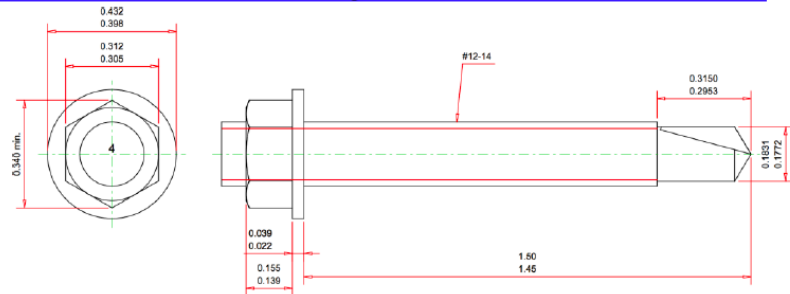
Manufactured from Grade 410 Stainless Steel with an integrated cutting head to penetrate a wide variety of material prior to cutting through the flange of the Armatherm Zee Girt. Designed to produce the optimum size pilot hole to give maximum thread structure in the Zee Girt flange.

410 Stainless Steel offers optimal corrosion resistant for outdoor applications, in addition prevents Bi-Metallic corrosion.

The fastener must penetrate beyond the flange structure a minimum of 3 pitches of thread to ensure maximum fixing. Care should be taken when ordering the screw length.

Typical Specifications.

Diameter / Thread Size	#12-14	Point	# 3
Drive Size	5/16"	Style	Heavy Duty
Finish	Epoxy	Dimensions	Imperial
Grade of Stainless Steel	410	Length	1.5"



Dimensions: ASME B18.6.3
 Thread Requirements: SAE J78
 Head Marking: Number "4" stamped on head
 Finish: Inorganic coating (1000 hours minimum salt spray to red rust)
 Material: AISI 410 Stainless Steel
 Mechanical & Performance:
 Drive: Hex
 Point Style: #2 (sizes 4 to 8), #3 (sizes 10 and above)