

Product Technical Data Sheet

12-14 Autoteks Climaseal 4

Part Number	Description	Pack Qty	Pallet Qty
6-310-3637-7C4	12-14 x 37 AutoTeks with Seal Climaseal 4	1000	114,000
6-310-3579-4C4	12-14 x 52 AutoTeks with Seal Climaseal 4	1000	84,000

Application:

Buildex® 12 -14 Hex Head HiGrip® AutoTeks® Screws are used for crest fixing Corrugated and Square Rib Roof Sheets to steel purlins.

The 52 mm Autoteks® Screw are used in conjunction with the AutoTeks® Tool part number 6-991-0401-1 or can be installed with a cordless or mains powered screw driver.

Features	Benefits
Autoteks Hex Drive	For positive drive under high installation torque.
Head Size	Low head for clearance under valley or square rib roof deck.
Teks Point	For drilling into metal while ensuring maximum pullout strength and high strip torque.
Finish	Corrosion performance of Climaseal 4 to suit the application.
Colormatch	The 12-14 Autoteks can be painted to match Colorbond sheeting products.

Installation Instructions:

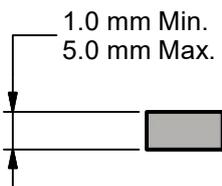
1. Use a 5/16" Hex Socket.
2. Use a mains powered or cordless screw driver with a drive speed of 3,000 RPM maximum.
3. Fit the driver bit into the screw and place at the fastening position.
4. Apply consistently firm pressure (end load) to the screw driver until the screw has fastened.

Installation (AutoTeks® Tool) instructions for 52 mm AutoTeks® Screw:

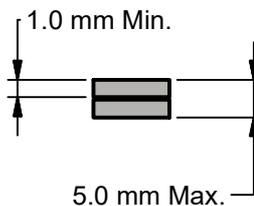
Refer AutoTeks® Manual 01075-PDS

Drilling and Installing Capacity

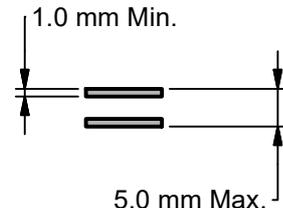
Single Thickness of Metal



Multiple Pieces of Metal



Multiple Pieces of Metal with Air Gap



Mechanical Properties:

Single Shear Strength (Newton) 8,500 | Axial Tensile (Newton) 13,600 | Torsion Strength 12,3 Newton-metre

Pullout Values (Newton):

Steel Purlin G450 1.0 mm: tba | Steel Purlin G450 1.2 mm: 2,600 | Steel Purlin G450 1.5 mm: 4,680 | Steel Purlin G450 1.9 mm: 6,500 | Steel Purlin G450 2.4 mm : 8,100 | Steel Purlin G450 3.0 mm : TBA | Steel HRS 2.0 mm : 5,300 | Steel HRS 3.0 mm : 9,900 | Steel HRS 4.0 mm : 11,200 | Steel HRS 5.0 mm : TBA

All values are averages obtained under laboratory conditions and appropriate safety factors should be applied for design purposes. These figures are applicable to Buildex® head marked product only.

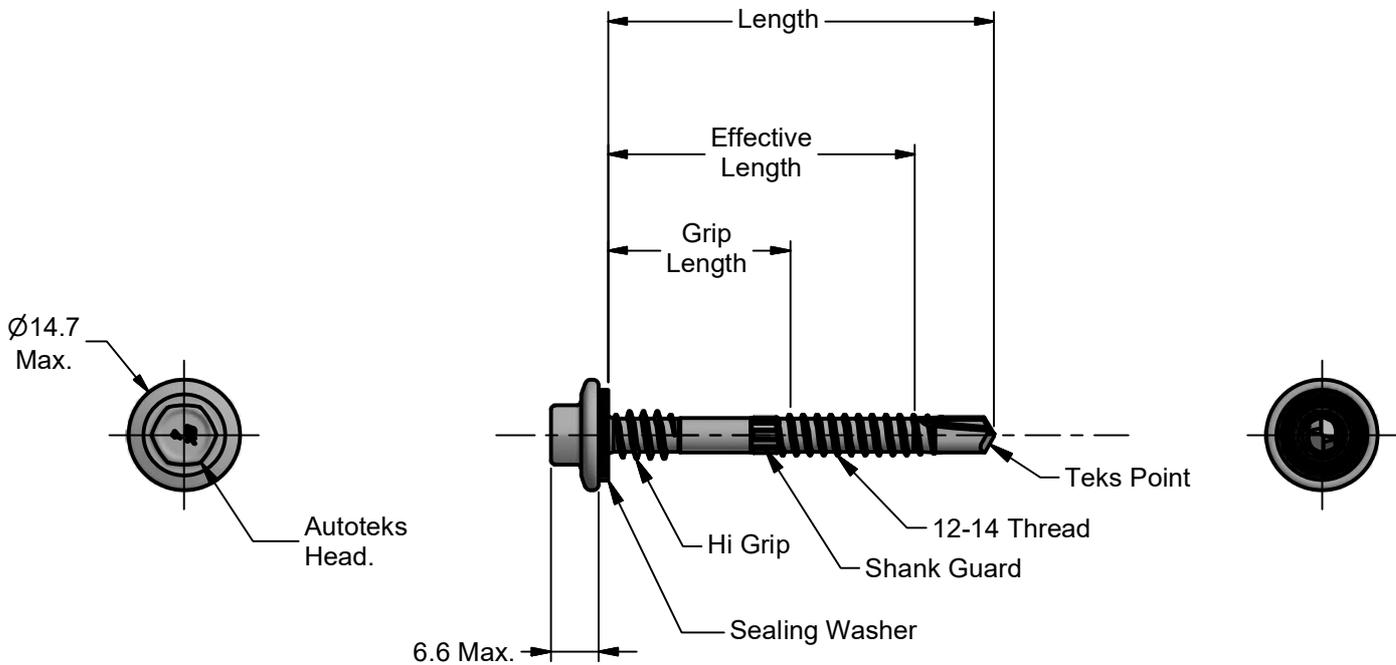
Material: Carbon Steel SAE 1022 | **Heat Treatment:** To AS 3566.1 | **Finish:** Climaseal 4®

Corrosion Performance:

Climaseal 4 Fasteners are suitable for use in Category 4 and 3 corrosive environments as described in ISO 9223-2012 and AS4312-2008

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Note

Lengths from underside of sealing washer and includes compression.

Part Number	Description	Length	Grip Length	Effective Length
6-310-3637-7C4	12-14 x 37 AutoTeks with Seal Climaseal 4	37.0 / 38.5	12.5 / 14.5	21.0 Min.
6-310-3579-4C4	12-14 x 52 AutoTeks with Seal Climaseal 4	50.0 / 51.5	21.5 / 23.5	35.0 Min.

All dimensions nominal unless otherwise stated. Normal manufacturing tolerances apply. All dimensions in millimeters. Third Angle Projection. Scale: Full Size.

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