

Product Technical Data Sheet

8-18 Hex Head TekS Climaseal 3

Part Number	Description	Pack Qty	Pallet Qty
6-311-0008-1CS	8-18 x 12 Hex Head TekS with Climaseal 3	1000 / 4000	288,000
6-310-0059-6CS	8-18 x 12 Hex Head TekS with Seal Climaseal 3	1000 / 4000	288,000

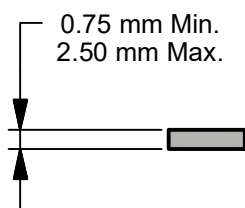
Application:

Buildex® 8-18 Hex Head TekS® Climaseal 3® Screw is used for metal to metal fixing.

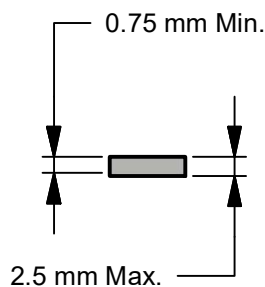
Features	Benefits
Hex Drive	For positive drive under high installation torque.
Teks Point	For drilling into metal while ensuring maximum pullout strength and high strip torque.
Finish	Corrosion performance of Climaseal 3 to suit the application.

Drilling and Installing Capacity:

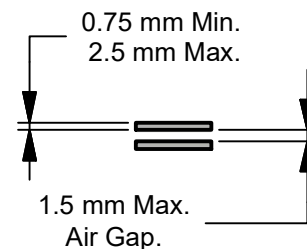
Single Thickness of Metal



Multiple Pieces of Metal



Multiple Pieces of Metal with Air Gap



Installation Instructions:

1. Use a 1/4" 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.

Mechanical Properties:

Single Shear Strength (Newton) 5,100 | Axial Tensile (Newton) 6,300 | Torsion Strength 5.9 Newton-metre

Pullout Values (Newtons):

Steel Batten G450 0.75mm : 1,750 | Steel Stud G450 1.0mm: 2,300 | Steel Stud G450 1.2mm: 2,900 |
Steel Purlin G450 1.5mm: 3,700 | Steel Purlin G450 1.9mm: 2,800 | Steel Purlin G450 2.4mm: 6,300

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.

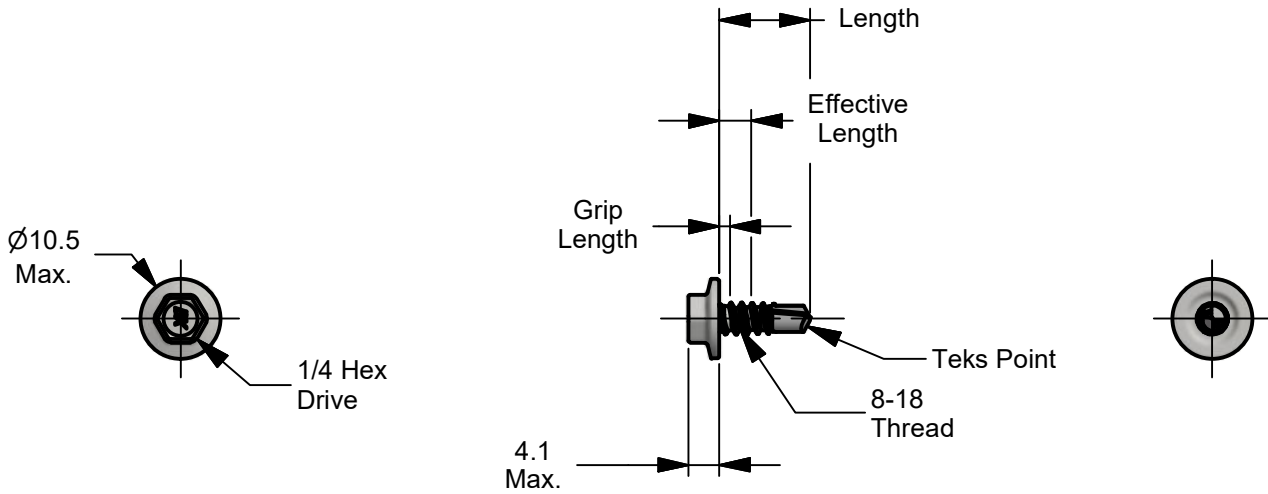
Material: Carbon Steel SAE 1022 | **Heat Treatment:** To AS 3566.1 | **Finish:** Climaseal 3®

Corrosion Performance:

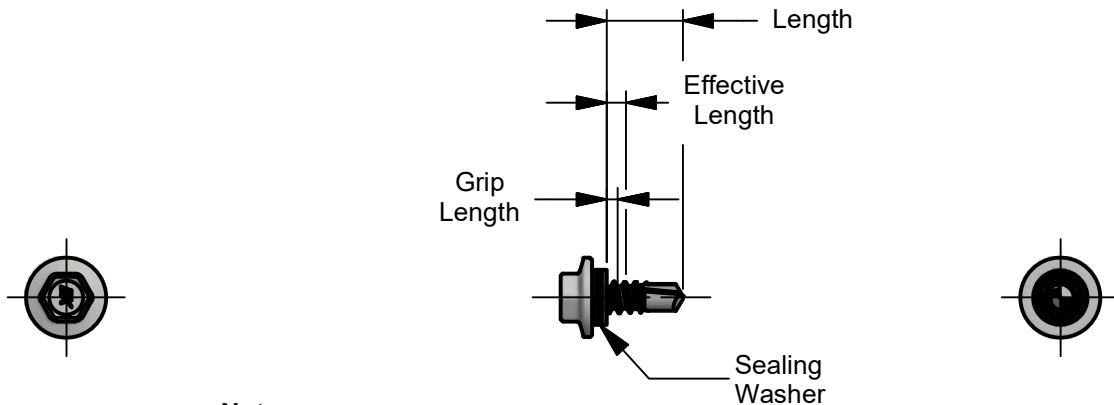
Climaseal 3 Fasteners are suitable for use in Category 3 corrosive environments as described in ISO 9223-2012 and AS4312-2008

Product Technical Data Sheet

8-18 Hex Head Tekes Climaseal 3



Part Number	Description	Length	Grip Length	Effective Length
6-311-0008-1CS	8-18 x 12 Hex Head Tekes with Climaseal 3	10.5 / 12.0	2.3 Max.	7.0 Min.



Note

Lengths from underside of sealing washer and includes compression.

Part Number	Description	Length	Grip Length	Effective Length
6-310-0059-6CS	8-18 x 12 Hex Head Tekes with Seal Climaseal 3	10.0 / 11.5	1.8 Max.	6.5 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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