



Stainless Steel

Quality protection in the harshest of environments

Stainless Steel is the only true assurance for protection against our corrosive coastline, fall out and emissions from industrial stacks, marine and other chemically polluted environments.

Buildex® Stainless Steel screws conform to the Australian standard AS3566.2. Used in conjunction with sheeting & cladding manufacturer's guidelines Buildex® offers you a variety of Stainless Steel screws suitable for use in metal, timber and aluminium host materials.

No other Australian screw manufacturer can offer the full variety of stainless steel screws required to meet with today's environmental, structural and aesthetic requirements.

The grades of Stainless Steel used to manufacture and market are tabled below. Buildex® has been the leading Australian manufacturer of Stainless Type17 screws for wood and Tapitite thread forming screws for a number of years. More recently Buildex® has introduced a range of Stainless Teks® screws for roofing, cladding and other applications.

The Buildex® new range of Stainless Steel Teks® has led the way again, with the innovation of robotically welding either a Carbon steel or Martensitic drill tips to its 300 series (A2) Teks. All Stainless Teks® have a top coat of Ruspert to give an extra layer of protection and lubrication to enhance their drill performance.



Stainless Grade	Product Type	International Grade	Stainless Group	Selection Guide
304	Teks® Self Tapping Screws Type 17* Tapitites* Stitching Screws*	A2	Austenitic	General purpose Stainless Steel with good corrosion resistance for most applications. Suitable for use with Stainless / Aluminium sheeting and cladding.
316	Type 17* Tapitites* (Made on Request)	A4	Austenitic	Used when higher corrosion resistance is required. Suitable for use in Severe Industrial, Marine environment, Chemical and petrochemical industries. Suitable for use with Stainless / Aluminium / Fibreglass sheeting and cladding.
410	Stitching Screws*	C1	Martensitic	Moderate corrosion resistance, that is high in strength. (Check material suppliers for approval before using).

Buildex Stainless Steel Teks have a C1 Martensitic or Carbon steel drill tip.

* Details of these products are available on request.

Teks® Self Drilling and Self Tapping screws for fixing to Metal

For fixing long life roofing and cladding to steel or aluminium, when protection from corrosive environments and or a complete system compatibility is crucial.

Product Features



Buildex@Warranty



Stainless Steel
(AS3566 Class 4)



HiGrip®

How To Use

1. Measure the thickness of materials to be fastened including any air gap.
2. Select the correct size screw for application allowing for adequate thread protrusion.
3. Use correct size driver bit with screwdriver (Teks Gun) set to HIGH speed (approx 2500 rpm).
4. Push sharply on screwdriver to create a starting point (always check panel manufactures for screw locations before starting).
5. Drive screw keeping a firm end pressure on screwdriver until screw is set place, being careful not to damage washer.

Hex Head Stainless Stitching Teks® Grade 304 / Carbon Steel Drill Tip With 16 /19mm Aluminium Bonded Washers



Gauge	T.P.I	Length	Washer Type	Pack Qty	Part Number
4.8mm / 10g	16	20	16mm ABW	1000	6-397-0125-5
5.5mm / 12g	14	40	19mm ABW	500	6-397-0118-8
	14	52	19mm ABW	500	6-397-0119-9
	14	62	19mm ABW	500	6-397-0120-1
	14	83	19mm ABW	500	6-397-0121-1
	14	107	19mm ABW	250	6-397-0122-2
	14	115	19mm ABW	250	6-397-0123-3
	14	130	19mm ABW	250	6-397-0124-4

Note: All parts available with 14/16/19mm Steel Bonded Washers on request. (Min order qty will apply)

Note: For Martensitic Drill tips please contact Buildex for sizes and availability.

Stainless Teks® Grade 304 / Carbon Steel Drill Tip No Washers



Gauge	T.P.I	Length	Head Type	Pack Qty	Part Number
5.5mm / 12g	24	44	Hex Head	500	6-392-0005-5
Series 5000					
4.3mm / 8g	18	13	Pan	500	6-392-0015-5
	18	19	Pan	500	6-392-0016-6
4.3mm / 8g	18	32	CSK Wing	500	6-382-0001-1
4.8mm / 10g	16	45	CSK Wing	500	6-382-0002-2
4.8mm / 10g	16	25	CSK	500	6-392-0017-7

How To Use

1. Measure the thickness of materials to be fastened including any air gap.
2. Select the correct size screw for application allowing for adequate thread protrusion.
3. Use correct size drill bit for material type and thickness.
4. Drive screw keeping a firm end pressure on screwdriver until screw is set place, being careful not to damage washer.

Technical Specifications (kN = Kilo Newtons, nM = Newton Metres)

Screw Gauge	T.P.I	Single Shear (kN)	Axial Tensile (kN)	Torsional Strength (Nm)
Self Tapping Screws G304				
6.3mm / 14g	24	10.2	12.6	12.7
Bi-Metal Screw Grade 304				
4.3mm / 8g	18	5.2	6.6	4.8
4.8mm / 10g	16	5.8	7.4	6.9
5.5mm / 12g	14 / 24	6.2	8.1	9.0