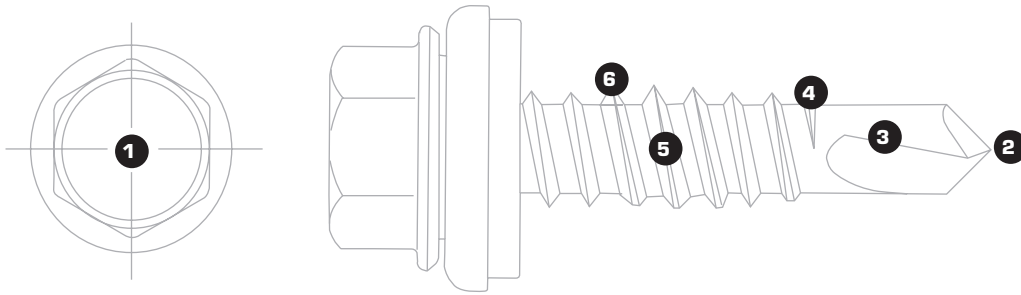


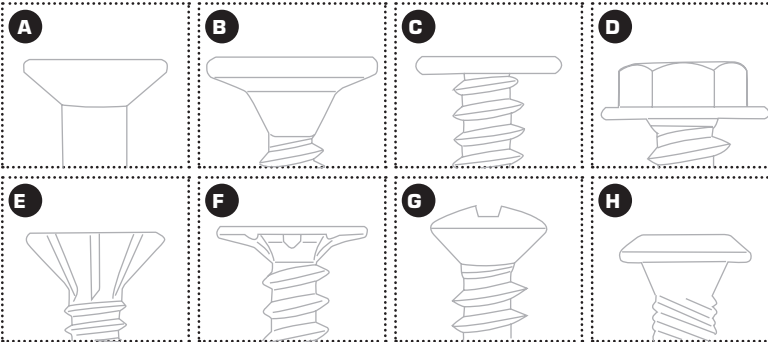
Spit Mechanical Anchors (Tek Screws)

Teks Screws



1. Head
2. Point
3. Flute
4. Pilot
5. Tapping Thread
6. Thread

1. Head Types



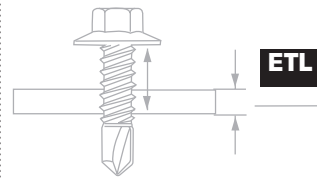
The correct head style choice ensures stability during driving, proper clamping and desired finish. Some heads allow access to confined applications.

- | | |
|----------------|-----------------------|
| A. Countersunk | E. Countersunk Ribbed |
| B. Wafer | F. Wafer Ribbed |
| C. Pan Head | G. Oval Head |
| D. Hex Head | H. Low Profile |

2. Point Types

The sharp convex drill point has precise cutting edges to ensure quick engagement and no 'walk'.

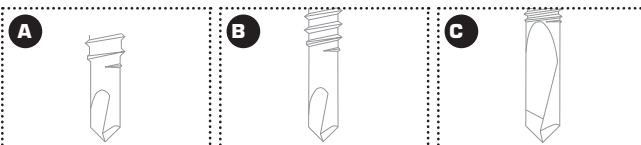
5. Tapping Thread



Advances the screw through the hole.

3. Flutes

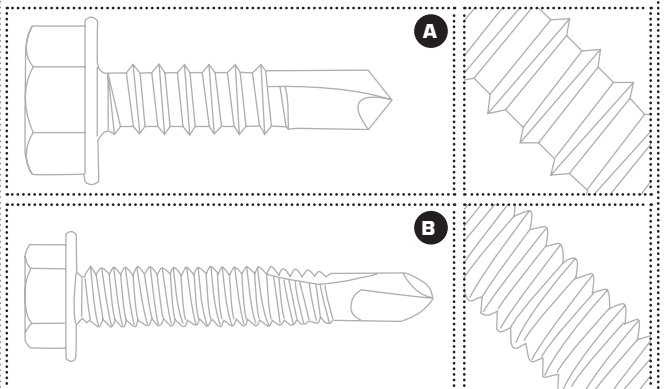
The drilling section is designed to efficiently remove debris and precisely size the hole for the thread. The length of the flute must be greater than the thickness of the steel to avoid the flute clogging.



- A. Teks / 1 2mm max steel thickness
- B. Teks / 2 3mm max steel thickness
- C. Teks / 5 12.5mm max steel thickness

6. Thread Portion

Correct thread selection optimises low installation torque with high pullout. Wide spaced or coarse threads are generally used for light gauge steel (A), closer spaced or finer threads for heavier gauge (B). (Effective thread length (ETL) is the maximum length of thread available after the minimum penetration has been made in steel) Tek screws must penetrate through the steel to expose at least two full threads.



4. Pilot Section

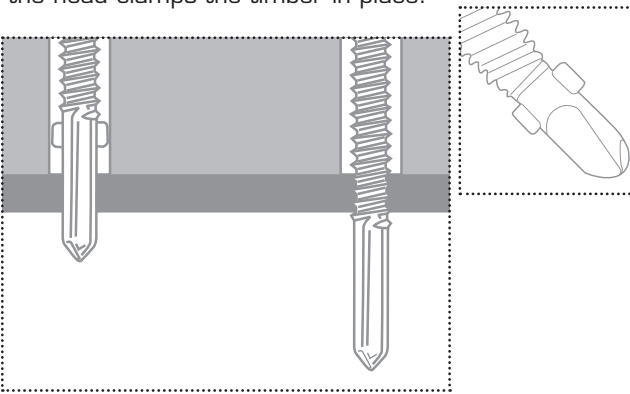
A short length before the thread to ensure the drilling operation is complete before the thread engages. Once the thread engages the steelwork, the screw will be driven forward at a faster rate than the drill point can drill the hole and point damage could result. When fixing thin sheet to support steelwork, a screw with a pilot section is required to avoid this premature thread engagement and jacking-up of the first sheet.

7. Optional Integral Washer

Teks screws with integral washers are available to prevent moisture, ingress and also bimetallic corrosion. When using a washered Tek screw it is essential to ensure that the washer is set correctly to avoid water ingress. The only sure way is by using a tool with a depth sensitive nose piece. For optimum performance a minimum of 430 watts with an RPM range of 0 - 2,000 is required. Using a torque sensitive tool may result in an incorrect setting.

8. TimberFix Screws

TimberFix Tek screws have wings attached that ream a clearance hole to prevent jacking. The drill point will then drill into the steel substrate and, on contact with the steel, the wings break off. The thread engages in the steel, taps a thread and screws into the steel until the head clamps the timber in place.



9. Screw Material

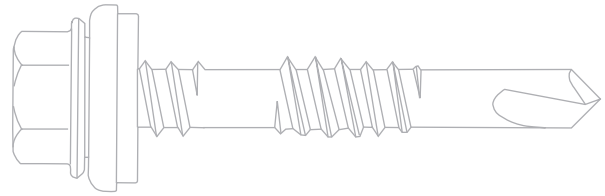
Teks and TimberFix screws are made from high quality medium carbon cold forming steel, heat treated to give optimum qualities of drilling efficiently and mechanical strength. Grade A2 304 austenitic stainless steel is available for certain sizes of Tek screws.

10. High Thread Screws

High Thread Tek screws have an additional thread below the head to provide support to the over sheet of composite panels. An integral washer also prevents water ingress.

11. Screw Diameters

- 4.2mm = N° 8
- 4.8mm = N° 10
- 5.5mm = N° 12



11. Screw Diameters

Teks and Timber-Fix screws are coated with a proprietary finish called Climaseal, developed exclusively by ITW.

- The polymer coating protects the fastener from corrosion and provides lubrication to lessen friction during tapping.
- Long term protection against corrosion.
- Compatible with painted and metal coated surfaces.
- Exceeds all published industry standards, including FM4470 specification.

Salt spray results (ASTM B117)

Climaseal: 720 hours - 10% or less red rust

Electro zinc: 48 hours - 5% or less red rust