

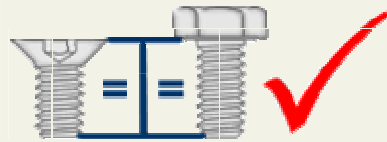
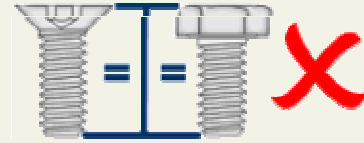
Engineering Services (Fasteners) Ltd

A guide to measuring fasteners

Measuring Fasteners

As mentioned above, the type of head a fastener has affects the length of fastener that you would specify when buying replacements. The diagrams below show both the correct and incorrect way to measure and specify fasteners.

The diagram on the right shows two different types of screws which are the same overall length. Because one is a countersunk screw and the other is a hexagonal headed screw, they cannot be directly compared by measuring their lengths. By studying the diagram above you will see that the countersunk screw would go further into the surface that it was screwed into.



The diagram on the left shows two different headed screws that have the same effective length, although their overall length is different. Both of these screws would penetrate the surface into which they were screwed by the same amount.

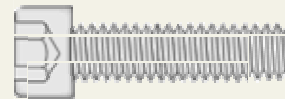
Bolt or Set Screw?

This is a question that is often asked (especially when someone calls at our trade counter).



Bolt

The images to either side show the difference between a Bolt (left) and a Set Screw (right).



Set Screw

The difference is clear to see, the set screw is threaded all the way to the head, whilst the bolt is only partially threaded.