

**Rapierstar** screws are manufactured to our own drawings by long-standing, internationally acknowledged partners in the far east. Tested at the point of manufacture, screws are laser sorted to check dimensions. During this process, swarf is removed which means that the finished boxes contain no foreign bodies, greatly reducing the risk of blockages where auto-feed machines are used. Screws are then tested in our own unique **Technical Centre**.

**Fasteners comply with EU Harmonised Technical Test Directives & CE Marking**



**Ductility**

The ductility of every batch of **Rapierstar** screws is tested using calibrated test blocks conforming to acknowledged standards. Screws are only approved if no breakages occur and there is no sign of cracking.



**Depth of plating**

In order to ensure that corrosion resistance consistently meets and exceeds **Rapierstar's** own high standards, it is vitally important that the depth of plating is sufficient. Every batch of **Rapierstar** screws is tested using internationally accepted plating depth test equipment.

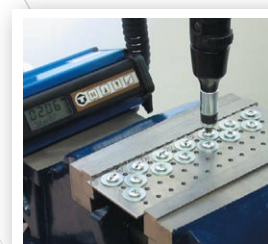


**All dimensions** are checked on every batch of **Rapierstar** screws, including the depth of recess, which is measured using finely calibrated dial indicator gauges. The correct depth of recess means that the screwdriver bit fits perfectly, ensuring safety for your fabricator.



**Wobble**

Each batch of **Rapierstar** screws is tested for 'wobble' using a certified plug gauge. The international recommendation is for this test to allow 12° of movement. **Rapierstar** specify, and only accept 6° of movement, making insertion and fabrication easier and safer.



**Torque tested**

Every batch of **Rapierstar** screws is tested to ensure that optimal torsional strength and design specifications are met and exceeded. Every batch is also tested to detect those that might fail after 24/48 hours of installation due to 'Hydrogen Embrittlement'. These tests ensure that you can have total confidence that our screws will not fail.



**Speed of insertion**

Using custom designed and built equipment, every batch of **Rapierstar** screws is tested to ensure that the speed of insertion meets **Rapierstar's** own high specification, resulting in faster, more cost-effective production for you, the customer.

**Salt spray testing.**

**Rapierstar** screws are tested "In-House" in accordance with BS 7479:1991, ISO 9227:1990. Every batch of **Rapierstar** carbon steel screws are routinely tested to beyond 300 hours, far exceeding the requirements of BS EN 1670:2007. You can be assured of the excellent corrosion resistance of our screws.

