

## **The Winlock Guide to Security:**

The locking cylinder or eurocylinder is the part of a multipoint lock system that the key goes into. Cylinders are normally the most vulnerable part of your multipoint door locking system and if they can be successfully attacked then any multipoint locking system can be opened by a burglar.

The burglar doesn't need to be very skilled – brute force is often enough – so it is very important to fit a cylinder that is independently tested to the latest security standard. For replacement hardware this means cylinders accredited to TS007. All hardware tested to this standard must have the TS007 logo and number of stars (1 or 3) stamped on the product. If it is not marked then it has not been tested and may not comply.

In simple terms, a 3 star cylinder does not rely on any protection from the door handle or other device, so a 3 star cylinder offers security no matter what type of handle is fitted.

A 1 star cylinder is tested against most forms of attack but to prevent snapping it requires protection either from a TS007 2 star handle set or by the use of a Secure By Design approved cylinder guard. See our Door Handle Security Guide for advice regarding TS007 2 star handle sets.

Winlock offers both a 3 star solution (the Trimas range) and a 1 star solution (Sirius range) together with a TS007 2 star handle set (the Lifetime Security Door Handle).

Having decided whether you need a 1 star or 3 star cylinder, the next thing required is to measure the size of cylinder needed. An existing cylinder can be measured by removing the fixing screw which will be found on the faceplate of the multipoint lock and is positioned in line with the bottom of the cylinder. If in doubt consult an expert – taking the wrong screw out may result in detaching part of the lock gearbox instead, and under no circumstances try to take out a screw which has anything other than a normal screwdriver head as cylinder screws will never be supplied with star or security heads. Having removed the fixing screw the key will normally have to be turned slightly to allow the cylinder to be taken out from the lock. The cylinder can then be measured in two parts – from the inside to the centre of the turning cam, and from the outside to the centre of the turning cam. For example, a 40/40 cylinder has a distance of 40mm to the centre of the turning cam from both the inside and outside.

A 3 star cylinder can be ordered in exactly the same size as the one being replaced, but if new TS007 2 star door handles are being fitted then the outside cylinder dimension may need to be reduced so that the replacement will fit behind the outside door handle – so buy the new handles first before ordering new cylinders. Again, if in doubt consult your local MLA approved locksmith or call Winlock's Technical Dept for advice.

Multipoint locks are now commonly used on entrance doors, French doors and patio doors and upgrading cylinders to TS007 security standard is one of the easiest, cheapest and most effective methods of enhancing their security.

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