

# Roto TSL

## Espagnolette



- Inline security espagnolette
- Twin reverse cam security
- Suitable for standard and shallow eurogrooves
- Suitable for aluminium, PVCu and timber profiles
- Roto Sil Nano surface finish - 480hrs
- Low handle height of 205mm available

Roto's Twin-Cam Security Lock (TSL) has been designed to provide a high level of security for outward opening windows, with specific protection against jemmying.

The one piece espagnolette features up to four pairs of dual reverse action locking points. When the handle is turned, the gearbox drives each pair of cams into double sided strikers from opposite directions. This ensures maximum burglary protection defined in PAS 24:2012.

In addition, the strikers are fixed to the profile with two screws which prevent the former from twisting, even in the event that a great force is applied.

### Technical Information:

- Backset: 20mm or 22mm
- Cam height: 8.0mm, 9.5mm or 10.5mm
- Cam adjustment: +/- 1mm
- Faceplate width: 16mm
- Sash rebate size range: 305 – 1600mm
- Salt spray tested to BS EN 1670 480hrs
- Low handle height: 205mm from bottom of the espag

The eccentric cam design not only increases burglar-resistant security, it also provides greater gasket compression. The striker also features a night vent facility.

For difficult to reach windows, the TSL low handle height variant would be ideal. The central gearbox is offset at 205mm from the bottom of the espagnolette to allow a lower handle height to be achieved for side hung windows.

Sash Rebate Min (mm)	Number of Mushrooms	20mm Backset		22mm Backset			Box Qty
		8mm	9.5mm	8mm	9.5mm	10.5mm	
<b>Roto TSL</b>							
305 – 400	4	738741	738789	738797	738805	769857	10
401 – 550	4	738742	738790	738798	738806	769858	10
551 – 750	4	738743	738791	738799	738807	769859	10
751 – 850	8	738744	738792	738800	738808	769860	10
851 – 950	8	738785	738793	738801	738809	769861	10
951 – 1050	8	738786	738794	738802	738810	769862	10
1051- 1150	8	738787	738795	738803	738811	769863	10
1151 - 1600	8	738788	738796	738804	738812	769864	10
<b>Roto TSL Low Handle Height</b>							
851 – 950	8	775866	775885	775867	775886	-	10
951 – 1050	8	775887	775889	775888	775890	-	10
1051- 1150	8	775891	772893	775892	775894	-	10
1151 - 1600	8	775895	775897	775896	775898	-	10

NB: Profile specific strikers required.

MECHANICAL  
GUARANTEE  
**10**  
YEARS

CYCLE  
TESTED  
**50,000**  
CYCLES

  
**PAS 24**

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