



BTC CORGI QR Stabiliser for Caravans and Trailers

INTRODUCTION:

The **CORGI QR Stabiliser for caravans and trailers** is one of the most effective anti-snake devices on the market. Motorway suction and side wind effects are minimised with its installation. This is particularly essential with the maximum towing speed increased to 60mph.

The **CORGI QR Stabiliser** is **The Original Quick Release Stabiliser** incorporating a mechanism which does two things:-

1. The damper can be fully set and the setting will be maintained for several thousand miles before requiring to be reset
2. It removed the resistance of the Anti-snake friction damper when attaching to the car/caravan making it really easy to connect

These products are effective and efficient because they are produced to a high standard of engineering. We first introduced the '**Quick Release Stabiliser**' in 1985. This was the most fundamental development in leaf spring type stabilisers in the last 20 years. The name '**Quick Release Stabiliser**' has become the generic name

The name 1983 © '**Quick Release Stabiliser**' is copyright to Breckland Trading Co.

The **CORGI QR Stabiliser** as boxed, comes with the Anti-snake damper **PRESET at 60-70lb.**

Fitting Instructions:-

Stabiliser car plate to tow ball

- Unbolt the tow ball
- Bolt the stabiliser car plate between the tow ball and the towing bracket. Use either pairs of the holes in the car plate. Use the bottom pair for preference to give maximum ground clearance. Use longer high tensile bolts, if necessary

Stabiliser 'L' bracket to the caravan/trailer chassis.

If required (for a caravan), your Dealer can also supply the BTC clamp-on 'L' bracket assembly.
Part No: 1301 or 1302 & 1203 clamp on adapter

- Hitch up the caravan in line with the towing vehicle on a level surface
- Ensure that the hitch shaft is fully extended
- Mark the neutral axis on the side of the caravan 'A' frame. This is a line midway between the top and bottom flanges (see drawing on reverse)
- Place the free end of the spring in the shoe of the 'L' bracket. Position the 'L' bracket approximately 5" from the free end of the leaf spring to the centre of the slipper shoe, as shown in the diagram
- Drill 2 x 8mm holes in the chassis on the neutral axis to correspond. In the main, use the middle pair of the holes in the 'L' bracket
- Bolt the 'L' bracket to the chassis with the bolts, washers and nuts provided



Breckland Trading Company Ltd

www.brecklandtrading.co.uk

Fishley Lane, South Walsham Rd, Acle, Norwich, NR13 3ES
Tel: 01493 751620 Fax: 01493 754081



- Setting the tension on the Quick Release *Anti-Snake Friction Damper. (As and when required)

The objective is to set a **Horizontal** load at the end of the leaf spring of a nominal **60/70lb** as follows:-

- Release the 12mm lock nut 'LLN' and the nyloc nut 'SLN' This is required so that the damper assembly is free from the constraints of being bolted to the lead spring
- Place the tommy bar in the QR cam and clamp down. For ease, hold the tommy bar and unbolt the locking (stiff) nut
- Release the QR cam and tighten up the 'half-nut' finger tight. Back off about one turn and clamp the QR cam. Now test the horizontal load at the end of the leaf spring with some bathroom scales. To achieve a setting of 60/70lb, release the cam and progressively rotate the 'half-nut' and re-test. Note, that one full turn of the 'half-nut' at this stage puts about 30lb at the end of the lead spring. When you have established a setting of 60/70lb, tighten up the locking nut to the 'half nut'
- With the QR cam clamped, re-set 'LLN' and 'SLN' as follows:- Spin the half nut 'LNN', finger tight down on the top side of the bottom plate; then a fraction more to take up the 'slack of the thread'. Tighten up the nyloc nut 'SLN'. What is being achieved here is clamping the damper unit to the leaf spring without either nipping or spreading the top and bottom plates. Doing either will result in an uneven pressure on the friction discs causing the characteristic noise
- The stabiliser damper is now set. It is clearly good practice to check the load setting once a year

If ever the stabiliser starts to 'groan', the first thing to do is to re-adjust the 'LLN' and the 'SLN' fixing as per the above for a smooth horizontal pull of the leaf spring, after making the re-adjustment. This test will thoroughly prove how well and 'groan-free' the stabiliser is working before you set off.

No need to drive off to test

Do maintain a little grease on the face of the QR cam (only).
It makes it so much easier to operate