

# Gunson<sup>®</sup>

## Steering Turntable Set 1 pair

Part No. 77100

### Instructions



#### Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186**. Normal wear & tear are excluded as are consumable items & abuse.



When you have finished with this packaging please recycle it

[www.gunson.co.uk](http://www.gunson.co.uk)



Distributed by The Tool Connection Ltd

Kineton Road, Southam, Warwickshire CV47 0DR  
T +44 (0) 1926 815000 F +44 (0) 1926 815888  
info@toolconnection.co.uk [www.toolconnection.co.uk](http://www.toolconnection.co.uk)

**Competitively priced steering geometry turntables.**

### Precautions:

- Ensure the ground is level
- The tyre pressures, wheel and tyre sizes are correct
- Ride height is correct
- Steering joints, linkages, wheel bearings are serviceable
- Check the wheels/tyres for run and spin out
- Check the steering gear for leaks and other damage
- Check the steering wheel for security and free play
- The vehicle is positioned correctly on the Gunson turn angle plates.

### Specification:

- Range = +/- 45° in 1° increments
- Swivel plate alignment free movement:
  - Forward and backwards = 65mm
  - Left to right = 50mm
- Table height = 50mm
- Table top diameter = 345mm
- Scaled in for both left and right side use.
- Capacity = 1360Kg

### The 77100 turntables enable the user to:

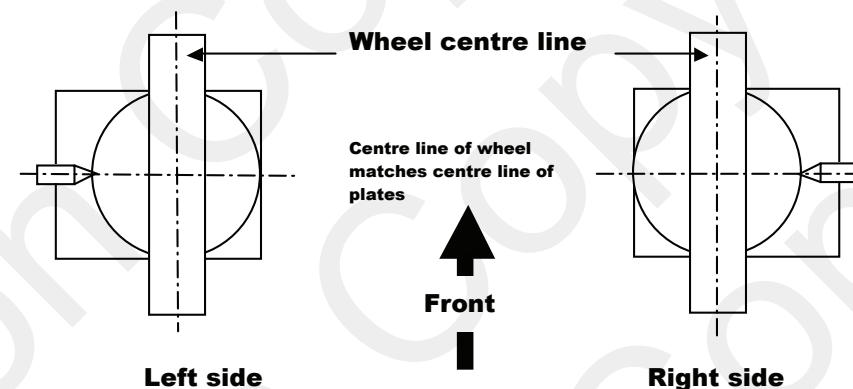
- Check the steering angle on full lock to ensure the steering is centralised
- Check toe in/toe out on turns
- Check the Caster and KPI (when used with the Gunson 77099 Caster, Camber and KPI gauge)

### Please note:

Modern vehicles may use variable ratio steering racks as well as variable rate power steering systems. For this reason it is even more vital than ever that the steering system be correctly centralised before setting/checking any steering and suspension geometry.

### Instructions for use:

- Before driving the vehicle onto the turn tables lock the turntable plates with the pins provided (2 pins per turntable).
- Place the turntables in front of the vehicles front wheels so that when driven onto the turntables the centre of the tyres aligns with the centre line of the plates as shown



- Once the wheels are correctly centred on the plates and in their dead ahead position remove the locking pins.

### Checking Centralisation:

- Turn the steering fully to the left and take a reading from the left hand gauge.
- Turn the steering fully to the right and take a reading from the right hand gauge.
- The 2 reading should match if the steering is centralised (equal turns lock to lock)

### Checking Toe in/out on turns:

**NB – not to be confused with the toe in/out readings that are given when setting the straight ahead tracking.**

- Turn the steering 20° to the left as shown on the right hand gauge. Record the measurement shown on the left hand gauge and subtract 20 from this figure. If the remainder is a positive figure then this indicates toe out on turns, if it is a negative figure it indicates toe in on turns.
- Repeat the above but turn the steering 20° to the right as shown on the left hand gauge. Compare readings as above.
- The results of the above should be equal. See vehicle manufacturers data for expected readings and tolerances.