



# Technical Guide



 MADE IN BRITAIN, **SPINNING** ALL OVER THE WORLD



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The SPIN-IT Car Turntable is designed so that a user can drive a vehicle onto the turntable and then park safely.

After safely stopping the vehicle, the turntable can be rotated, either at the press of a button on a remote control, or by turning a switch on the control cabinet. Once the desired rotation of the vehicle has been achieved the car can then be driven off the turntable safely.

The heart of the turntable is the spindle around which the whole assembly rotates. The spindle is very low maintenance. Under normal operating conditions the spindle will run maintenance free. The spindle is firmly anchored to the ground and the complete turntable assembly is then fixed to the central bearing.

This method of construction eliminates any wandering of the turntable once it is in use and makes for a stable long-term installation.

The main turntable structure comprises of sturdy mild steel box section frames. The frames are Bright Zinc Plated for long term weather proofing. Each framework is finished with a top plate.

A standard turntable finish is aluminum chequer plate, giving both a rust free and high grip exposed top surface. A recessed steel top surface is also available for landscaped finishes.

Under normal operating conditions, no maintenance of these parts is necessary

A large number of custom manufactured wheels are used to evenly distribute the vehicle load and make it very easy to spin the vehicle. All the bearings and running gear parts are designed to run for long periods of time without any maintenance. Each of the nylon wheels has two sealed roller bearings fitted to give a long maintenance free life.

To ensure a tidy and clean finish the turntable has an outer rim fitted that caps the outer circumference of the installation. This ensures a tidy finish to the installation and makes sure there is nothing to foul against the turntable whilst it is running.

The top surface of the outer rim is manufactured from stainless steel to give a robust and maintenance free finish.

The motorised version of the turntable is driven by a friction wheel that is driven by either, a 0.37KW or 0.75Kw, 240V single phase electric motor.

The friction wheel pushes horizontally against the outside of the turntable and is fitted into a motor housing that is sunk into the ground. The motor housing is fabricated from robust steel plate and has a flush finish lid.

All electrical controls are housed in a dedicated control box. The electrical control box houses a safety stop; a key-lock remote control and an inverter controller for the motor. All motor housings run from a three-pin plug flying lead and are fully PAT tested prior to use.

The electrical supply for the control cabinet is a standard domestic 240V single phase 13Amps.

Any part of the turntable that has moving parts is safely guarded away from the operator by enclosing hazardous areas in either a steel motor housing or a lockable electrical control cabinet.

## **Heavy Duty Steel Fabrication**

Manufactured in our state-of-the-art UK manufacturing facilities. Designed with surplus strength in mind to exceed expected working loads. Fabricated by skilled steel fabrication engineers and finished to withstand the harsh UK weather for many years.

## **Inverted Running Gear**

All running gear wheels are stationary on the ground and the turntable runs over them. Designed to give ease of access to all key equipment through inspection chambers set in the turntable top.

## **Engineered Nylon Running Gear**

Our Nylon 66 running gear is manufactured in-house to our own design. Our running gear is designed to produce very low running noise. Each nylon wheel is finished off with two heavy duty sealed for life bearings giving a load capacity of 750kg per wheel.

## **Bespoke Drive Wheel**

SPIN-IT has developed a unique drive wheel that has been specifically designed to give high grip in the wet and also maintain very low wear characteristic. This unique solution has resulted in a very reliable, long lasting solution.

## **Durable Electrical Motor Drive**

All our motorised car turntables are driven by heavy duty, industry grade electric motors and gearboxes. We use 0.75Kw drive motors as a standard on all systems. A lower powered 0.375Kw motor can be used in certain circumstances. The turntable drive system runs off a standard domestic 240V single phase supply and is controlled by means of an industrial grade inverter. The inverter gives control of direction and speed as well as giving Soft Start / Soft Stop and safety monitoring functionality.

## **Key-Fob Remote Control**

To make operating the turntable as comfortable as possible, SPIN-IT can offer an integrated FM remote-control system that allows the turntable to be operated from the comfort of the car. The remote-control system comes with added Key Lock security features that ensure your turntable will not accidentally pick up other remote controls and start to operate without warning.

## **A Corporate Member of the Guild of Master Craftsmen**

SPIN-IT is a member of The Guild of Master Craftsmen which has a long-established tradition of bringing together skilled artisans engaged in a trade, craft or profession in order to safeguard the interests of the public and ensure they receive a premium service from recommended tradesmen.

## **One Stop Shop Facility**

To make matters simpler for customers, SPIN-IT can offer a complete start to finish installation service. From carrying out groundwork's, right through to finishing off with a landscaping service. SPIN-IT can simplify your project management by carrying out all key turntable installation tasks as a single project.

Diameter	Minimum Depth	Approx. Weight	Safe working load	Motor	Capacity
3.8 m	200mm	1000 Kilos	1 * 3500 Kilos	0.375Kw	1 Family hatch-back
4.1 m	200mm	1250 Kilos	1 * 3500 Kilos	0.375Kw	1 Medium car or van
4.5 m	200mm	1500 Kilos	1 * 3500 Kilos	0.375Kw	1 large car or van
5 m	200mm	1750 Kilos	2 * 3500 kilos	0.375Kw	1 large car or van or 2 small cars
6 m	200mm	2000 Kilos	2 * 3500 kilos	0.375Kw	Up to 2 large cars or vans

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