

OPERATING INSTRUCTIONS - MODEL SP70-PC

OPERATING INSTRUCTION FOR THE COLUMBUS ELECTRIC WHEEL SPINNER FOR CARS AND OTHER VEHICLES BELOW 3.5 TON

The COLUMBUS wheel-spinner is a special machine that is primarily intended for trouble-shooting of vehicle wheels. With the help of the wheel-spinner it is easy to detect noise in bearings, unbalanced wheels, deformed wheel rims, uneven tyres, brakes that rub, etc.

SAFETY

Only use the machine when it is standing on a firm, flat floor.

Do not use the machine if it is standing on a table or similar.

Always ensure that the electric power supply cable is quite free so it cannot get entangled in the vehicle wheel or the spinner-wheel.

Remove any stones from the tyre tread before spinning the vehicle wheel.

Always use a visor or protective goggles or safety specs when working with the wheel-spinner.

Never try to stop a rotating vehicle wheel with your hand or foot or any other object. This can be extremely dangerous even at low speeds.

A safety zone must be defined around the wheel-spinner and it must be large enough to ensure that people passing by cannot be injured.

The wheel-spinner is equipped with a rotating wheel. Always ensure that the spinner-wheel is stationary before moving the machine or before moving it out of the way after a job.

Never leave a rotating vehicle wheel unattended.

The machine's electrical protection class is: IP54.

ELECTRICAL CONNECTION

Connection of the machine to the electrical power supply and any electrical repairs on the machine must be done by an authorised electrician.

GENERAL

The wheel-spinner is powered by a 1,5 kW electric motor and it is intended for a power supply of 400 VAC,

50 Hz, 3-phase as standard. **Other supply specifications on request.**

The wheel-spinner motor is equipped with an automatic circuit breaker that protects the motor in the event of overloading. The setting of the circuit breaker corresponds to the rated current of the motor and this setting must not be changed. If it is changed, the motor can overheat and be damaged when subjected to a large load.

The direction of rotation of the spinner-wheel depends on how the three phases are connected to the mains supply. Always check in which direction the spinner rotates when you use it so the vehicle wheel rotates in its normal direction of rotation.

The wheel-spinner is started with the combined starter switch and safety disconnection switch.

SPINNING UP THE VEHICLE WHEEL

- Remove any loose parts such as hubcaps, clips, etc. before the work is started.
- Lift the vehicle to a suitable height and make it safe using stands or similar.
- Clean out any stones or debris from the tyre tread.
- **Always spin the vehicle wheel in the normal direction of rotation.**
- Start the wheel-spinner and move it forwards towards the wheel.
- Increase the pressure against the tyre by pushing the machine forwards.
- Increase the pressure against the tyre gradually.
- When the vehicle wheel has reached the desired speed, move the machine backwards.
- Brake the speed of the spinner-wheel using the mechanical footbrake until it is stationary.
- Carry out the trouble-shooting. **Do not go too close to the rotating wheel!**
- At low built vehicles where access and space is limited, the spinning can be made against the shoulder of the wheel, at about 35 ° angle to the wheel.

BRAKING THE VEHICLE WHEEL

- If the spinner-wheel is rotating, brake its speed so it is stationary.
- Move the machine forwards towards the vehicle wheel.
- Carefully press the fixed surface at the front of the wheel spinner against the tyre to bring down the speed of the wheel.
- The vehicle wheel can of course also be stopped by using the brakes of the vehicle.
- **Never try to stop a rotating wheel with your foot or hand or any other object. This can be extremely dangerous even at low speeds.**

- **DANGER – Never try to stop a rotating wheel with your foot or hand or any other object. This can be extremely dangerous even at low speeds. Never leave a rotating vehicle wheel unattended.**

BRAKING THE SPINNER WHEEL

Brake the speed of the spinner-wheel using the mechanical footbrake until it is stationary.

N.B. The wheel-spinner mechanical footbrake must not be used to stop the vehicle wheel.

SERVICE AND MAINTENANCE

To retain the best possible functioning, the machine must be kept free from dirt and dust etc.

The moving parts must be lubricated regularly with oil.

TEKNICAL DATA

Weight	31 kg
Length	1250 mm
Width	300 mm
Height	800 mm
Elektrical data	400 Volt/50 Hz/3-fas
Motor	1,5 kW

The factory warranty ceases to be valid if the machine's design is altered.
We reserve the right to make design changes without prior notice.

Compliance with EU Regulations

Machinery Directive 2006/42/EC:
Sound level: EN ISO 3744: EN ISO 11201
Vibration level: ISO 5349: EN ISO 20643
Low Voltage Directive 2014/35/EU
EMC: EN 61000-6-2: EN 61000-6-4
RoHS Directive (2011/65/E

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