

TURNTABLE LADDER DLK 55 CS

TURNTABLE LADDER



**IVECO
MAGIRUS**

OUR OBJECTIVE WAS TO MAKE PROVEN TECHNOLOGY EVEN BETTER.

Turntable ladders with a 55 m working height are vital pieces of rescue equipment which must fulfil the toughest of requirements. For a safe and secure way upwards, both the jacking technology as well as the stability and statics of the ladder set are of the greatest importance.

More than 145 years of know-how from **MAGIRUS** in the development and manufacture of ladders is a further guarantee that operation personnel can climb quickly and problem-free.

In addition to a 2-person elevator, the DLK 55 CS features a permanently mounted folding rescue cage which has been approved for 3 persons.



Many say **MAGIRUS** – but mean the best turntable ladder in the world.

Maintaining a regular close dialogue with fire brigades throughout the world is always a stimulant for further enhancements which have now lead to the development and realisation of a turntable ladder second-to-none.

The most important factors of this new concept were:

1. Increasing active and passive safety levels through the introduction of proven computer technology and the sensitive self-levelling turntable which functions without any re-adjustment.
2. The development of operational possibilities due to VARIO-jacking system and gliding overhang-control.
3. Increasing the ease of movement and a reduction in the set-up time through the new load-sensing hydraulic system.
4. Maximum reliability and lowest consequential costs due to disruption-free digital signal processing.
5. The ladder platform and the equipment lockers are manufactured using the unique **MAGIRUS AluFire** modular system. This allows optimum utilization of interior spaces while simultaneously saving weight and being absolutely corrosion-free.

NEW:

Cataphoretic full immersion electro-coating of the complete ladder set for increasing wear resistance and thus extending the service life.

UNIQUE MAGIRUS CS (COMPUTER STABILIZED) ACTIVE ANTI-OSCILLATION SYSTEM

All movements of the turntable ladder are detected by the computer immediately at the start of movement and actively dampened within micro-seconds by hydraulic counteraction.

This also applies if sudden gusts of wind occur or operational-related movements (e.g. if a person jumps into the cage).

A new electronic system which monitors the entire ladder by means of a CAN bus, offers the option to create and retrieve menu programs for special customer needs.

Remote diagnostics and service information are also possible – for enhanced availability.

ACTIVE MAGIRUS
ANTI-OSCILLATION SYSTEM
MORE SAFETY
MORE FUNCTION
MORE COMFORT



- Ergonomically designed weather-proof seat
- Relaxed working conditions with optimum overview of all controls and control devices
- Multi-functional joysticks for ladder control



- Colour operating display: plain language displays for all ladder functions and status messages, coloured movement diagrams and logical pictogram for easy and simple operations (as standard on the main control stand, optional in the rescue cage)



- Preparation time is drastically reduced due to the permanently installed rescue cage
- Fast manning of the rescue cage is possible using the quick-access facility behind the driver's cab.

MADE BY MAGIRUS: VARIO JACKING TECHNOLOGY

MAGIRUS VARIO jacking technology – tried and tested thousands of times – is still an example of a practice-related solution. Narrow streets of houses in historic town areas or the steadily growing number of parked cars present problems which demand an out of the ordinary support concept.

Using our infinitely adjustable jacking system, all obstructions can be individually integrated into the jacking procedure. In this way, the space under a parked car can for instance be used just as effectively

as that under a wall projection or behind the lattice fence of a car park.

Centimetres which are decisive: because with every additional small increase in support width, the working and utilization field of the turntable ladder increases continuously and smoothly.

The completely re-designed rear operating panels have their own generous illumination for night-time operations and is child's play to operate using a well-arranged joystick control system.



- Ladder jacking of any width possible ranging from 2,400 mm to 5,200 mm
- Due to the continuous control of the outreach, an automatic switch-over always takes place with different jacking widths which corresponds to the respective maximum possible outreach
- Optimal adjustment of the jacking basis to the actual space conditions due to the variable control of the 4 outriggers
- Compensation for uneven ground surfaces of up to 700 mm

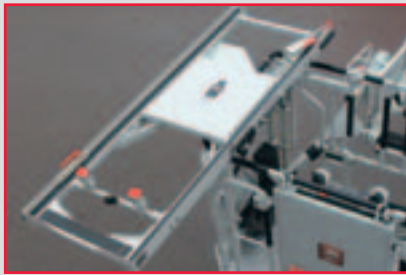


- Clearly-designed jacking control panel with user-friendly joystick
- Unique advantage: Moving VARIO outriggers under obstacles is absolutely no problem
- Even if space is limited, stepping over the VARIO outriggers when carrying a heavy load presents no difficulties for personnel

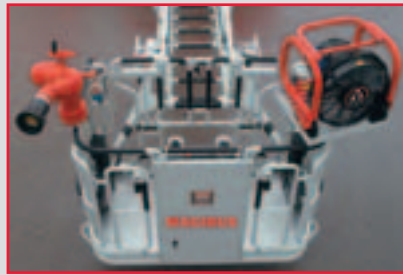


- Thanks to the spacious RK 270 S rescue cage with room for 3 persons, operational tactical use is increased even further.

- Pumps and proportioning systems transform the turntable ladder into a multi-functional vehicle



- The left or the right-hand multi-function column can be used for stretcher support according to requirements. Optionally available with continuous braking and 200 kg payload.



- Cage monitor with 2000 litres / min. output and continuously adjustable hollow and jet-spray nozzles (option).



- Two separate cage access points with lateral folding doors and protective bracket for free access. Important for BA wearers!
- **Cage approved for three persons!**



- The 2-person lift is operational at an elevation angle of 30°. The automatic up-down rails allow fast and uncomplicated entry and exit: the likewise automatic slowing and stopping of the elevator at the end position increases the "Ride Comfort – Made by MAGIRUS".



- As an option, a remote-controlled monitor may be mounted on the multi-function column. The manually operated water monitor, supplied as standard, is controlled from the rescue cage. The externally fitted hose ensures a safe and an uncluttered cage floor. Optionally available with C or D-outlet.

For decades, MAGIRUS turntable ladders have been used successfully and reliably in rescue and fire fighting operations in many major cities throughout the world.

Fire brigades trust the proverbial MAGIRUS quality – “Made in Germany”.

Maintenance and service are also carried out worldwide by expertly trained company personnel.

Building on this experience, the DLK 55 CS has been further developed and is a trustworthy tool for fire brigades in order to carry out their vitally important assignments.



TURNTABLE LADDER DLK 55 CS

MULTIPLICITY FROM ONE SOURCE: THE MAGIRUS TURNTABLE LADDER MODULAR SYSTEM

Your MAGIRUS turntable ladder can be tailor-made to your requirements by means of different chassis, crew cabs and a comprehensive range of accessories.

For example:

- Fitted pumps / proportioning systems
- Generators
- Lighting equipment
- Air supply for breathing apparatus in the cage
- High voltage warning device
- Anemometer
- Heat camera or actual image camera with image transmission to the main control stand or operation command vehicle
- Self-protection water spray installation on the cage
- Interior fittings and equipment of the lockers according to your requirements

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