

DMR

Demag Modular Rope Hoists

One rope hoist. Two designs. Many possibilities.

Individual needs require specific solutions. That is why we developed the Demag DMR modular rope hoist. You can benefit from ground-breaking flexibility in all types of applications: from stationary installations to crane systems. For the first time, a rope hoist can be built either in a C-design or co-axial design utilising one basic technology. The extraordinary wide range of possible DMR applications can be extended thanks to smart interfaces and corresponding fittings and accessories.

Choose for yourself:

- C-design or co-axial design
- Five sizes with load capacities up to 50 tons
- Various application types: foot-mounted hoist, low-headroom travelling hoist, double-rail crab and standard-headroom travelling hoist
- Control system: smart SafeControl system, conventional contactor control or provided by the customer
- Variable or two-stage switching elements
- Control concept: wired connection or radio control

Modular Design for high Flexibility.

Two designs

For the first time, a rope hoist system gives you the choice of a C-design or co-axial design with one basic technology. The C-design excels in crane applications thanks to its compact configuration and reduced approach dimensions. The co-axial variant can be flexibly integrated into virtually any construction and, therefore, is ideally suited to a wide variety of applications in the plant and mechanical engineering sectors as well as for cranes. Both designs have the same connection dimensions, interfaces and electric components and have identical rope reeving arrangements.

Designs



The DMR modular rope hoist in C-design



The DMR modular rope hoist in co-axial design

Application types

Thanks to its modular design, the DMR rope hoist is highly versatile. The foot-mounted hoist is the optimum match for stationary applications and can be easily integrated into special crabs. As a low-headroom travelling hoist, double-rail crab or standard-headroom travelling hoist, DMR is also the ideal solution for crane processes. A further benefit: all loads can be positioned carefully and with minimum sway thanks to the frequency inverter-controlled cross-travel motor.

More Options:

More performance to meet your needs

The basic version of the DMR rope hoist already offers flexibility for a wide range of applications. Many additional functions enable the new Demag product to be tailored to meet all customer requirements in terms of performance, ease of control and cost-effective operation in full.

Even better efficiency

Hoist inverter and ProHub

A hoist inverter offers optimum utilisation of the motor's output and enables loads to be positioned even more precisely thanks to variable speed control. It can be used to boost lifting speeds by up to 50 per cent with the ProHub function depending on the load.

Even better traction

Double-wheel DualDrive (Plus)

Our double-wheel DualDrive provides for even better traction on monorail travelling hoists, for example in outdoor applications. In addition, a second travel drive can be installed quickly and easily thanks to its predefined mounting position.

Even more flexibility

DRC D3 radio control

The high-performance [DRC D3 radio control system](#) has an impressive long range and allows up to 40 radio systems to be operated in close proximity to each other. Up to three transmitters can be paired with the system and control can be

simply transferred at the press of a button, if required. Integrated rechargeable batteries and power management enable uninterrupted operation for up to five days.

Even better overview

Demag StatusBoard

Demag StatusBoard not only informs you about the weight of the given load, but also shows all relevant operating data and the system status. The colour display shows information on multiple lines and can also be easily read at a longer distance.

Even better accuracy

F10 mechanical microspeed unit

If required, our F10 drive with a mechanical microspeed unit can be used with the co-axial design. It helps loads to be positioned even more precisely thanks to two separate conical-rotor motors for the main and creep lifting motions. The motors offer outstanding braking capacity as well as automatic braking if the power drops or the motor is switched off, for example.

Smart Control system.

Smart solutions for tomorrow's needs

Our modular design also enables us to offer you exactly the control system that you need for your Demag DMR rope hoist. Choose between three control systems. If required, we can already prepare your equipment for future production and logistics processes: our innovative SafeControl system turns your rope hoist into a smart solution for transparency, safety and reliability.

Conventional contactor control

DMR modular rope hoists already provide for reliable operation with tried-and-tested contactor control. Contactor control can be easily maintained and is available with various control voltages.

Customer's own control system

The DMR rope hoist is also prepared for controls provided by the customer, which you can simply integrate via plug & play. If required, you can also receive the Demag electric enclosure with various cable unions for your solution.



Slack-rope monitoring

Continuous monitoring of the rope tension: the hoist drive automatically switches off when the load has been lowered to its target position.



Target positioning

Loads can be automatically transported to a selected target position as long as the crane operator presses the corresponding button on the radio control.



Tandem operation

Loads can be safely transported by two DMR rope hoists via a single control unit. Two cranes with up to four rope hoists can also be synchronised.



By-pass control

Areas to be blocked for the travelling hoist can be specified. In this way, you can safely by-pass high parts of machinery or zones that are out of bounds.



Remote diagnosis in real time

Keep an overview of all DMR rope hoists at any time – even if you are away on a business trip. Our innovative Demag StatusControl remote access system supplies all relevant operating data in real time, analyses them and processes them for direct access – also for your mobile device. Using this system, you can schedule maintenance work, as required. Demag StatusControl also enables you to monitor complete crane systems in various production facilities and at different locations.

**Area-specific load reduction**

Areas can be defined which the travelling hoist may only enter if the load does not exceed a reference value. This reduces the load on the runway and building structure – especially when two or more cranes operate on one runway.