

The new Demag DR-Com rope hoist



The cost-effective alternative

NOW WITH DOUBLE THE SERVICE LIFE

The cost-effective alternative. Now offering even better value

Our DR-Com rope hoist has always been the ideal hoist solution for applications which demand maximum safety, reliability and efficiency. Buy a DR-Com and double your benefits – thanks to its new FEM Group classification, the new model now offers double the service life. The already low maintenance costs have been cut once more – over the entire product life cycle. The second new feature also offers full value: the increased cross-travel speed enables the new DR-Com to provide even higher handling rates.

TRIED-AND-TESTED FEATURES

All of the advantages that you have enjoyed with the previous DR-Com rope hoist range have, of course, remained. The rope hoists are reliable, require very little maintenance and are easy to service. All of the hoist and trolley components are rated for a long service life and smooth operation, the wearing parts are easy to access. DR-Com units feature gentle, low-sway load handling, compact dimensions for space-saving installation and

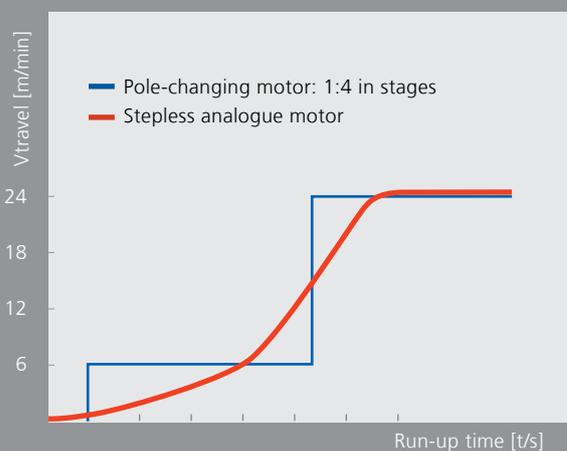
maximum lifting height. They are easy to operate and offer a slew of safety features.

DR-Com units are available in a wide variety of configurations that always offer the best solution for your specific requirements – from 2 to 10 t, from foot-mounted models to double-rail crabs. You can also choose the control system to suit your needs: DR-Com is available with processor or contactor control.

YOUR BENEFITS

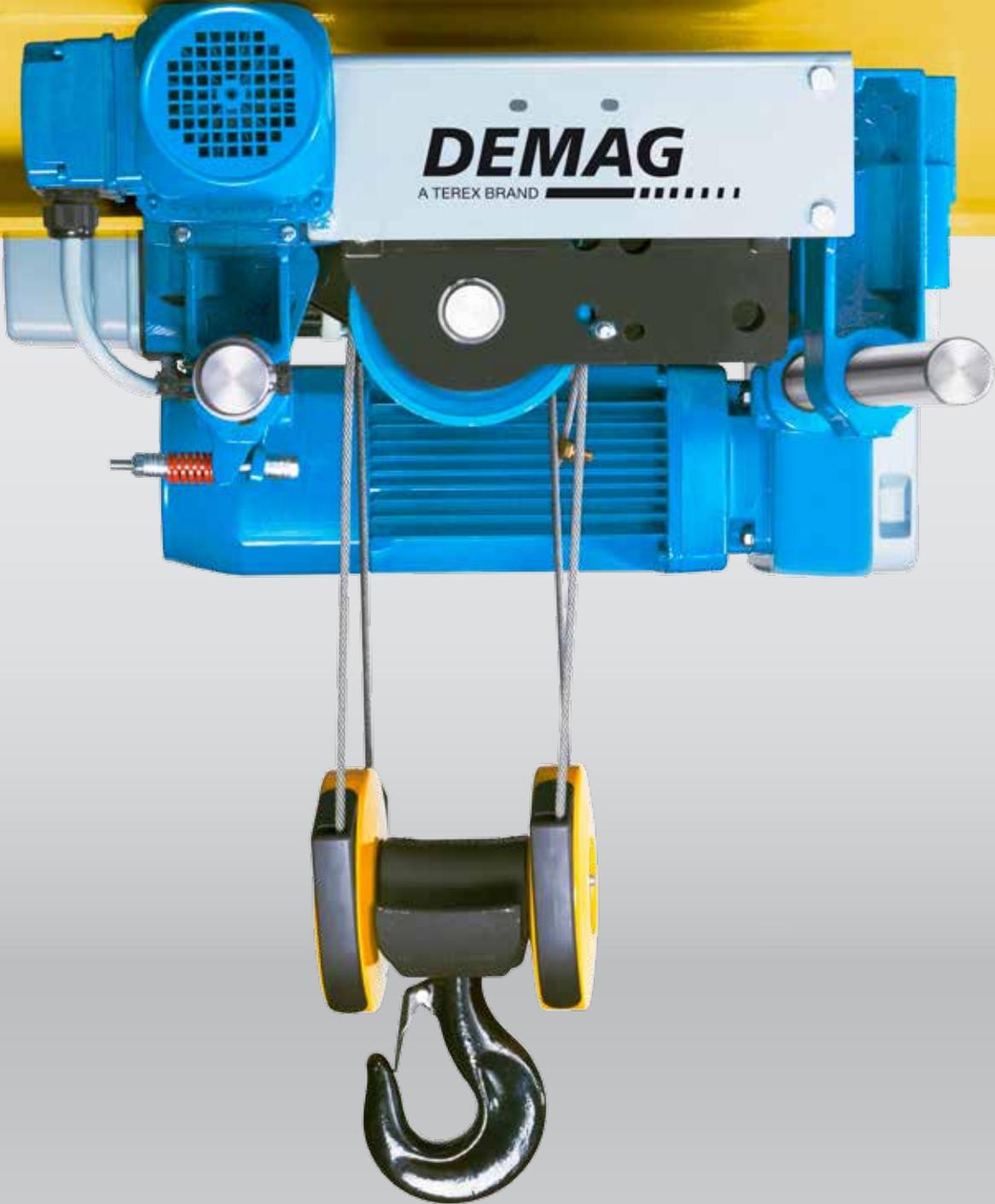
- **NEW** Even better value thanks to twice the service life
- **NEW** Improved handling speed thanks to increased cross-travel speed

TRAVEL DRIVE STARTING CHARACTERISTICS



- Optimum utilisation of space thanks to compact design
- High availability thanks to generously dimensioned components
- Low maintenance requirement
- Rope lead-in guard on the bottom block for improved safety
- Three sizes with load capacities from 2 to 10 t
- Configuration, control system and operation as required
- Trolleys infinitely adjustable to flange widths from 200 to 420 mm
- Low-wearing and quiet-running universal travel wheels for sloping and parallel flanges
- Electro-mechanical overload protection as standard

DR-Com units have always been safe, reliable and cost-effective



Now for even twice as long

A rope hoist that offers a slew of features

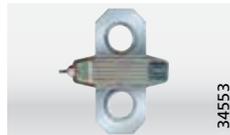
CONTROL

- Particularly precise, intelligent processor control (CAN bus) integrated into the rope hoist or
- Proven contactor control in the electric enclosure
- Precision geared limit switch to monitor limit positions



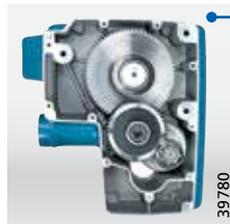
OVERLOAD PROTECTION

- Standard: MGS mechanical limit switch
- Optional: ZMS strain gauge carrier link, for further data evaluation



GEARBOX

- Three-stage gearbox, lubricated for life
- Service friendly and efficient operation



ROPE GUIDE

- Protective rope guide made of tough, acid-resistant plastic
- Inclined pull up to 4° without touching the rope guide



BRAKE

- Fast-acting hoist motor brake system



BOTTOM BLOCK

- User-friendly with handle recess for easily guiding the load with one hand
- High level of safety thanks to rope lead-in guard





MOTORS

- Rugged cylindrical-rotor motors
- Low-vibration and quiet operation with overheating protection
- Motor and electric enclosure in IP 55 – for safe and reliable operation even under unfavourable conditions (e.g. outdoors, damp locations)
- High duty factor for higher availability = higher handling rates
- Integrated plug connection in the terminal box for faster installation

CROSS-TRAVEL UNIT

- Travel wheels: universal design for sloping and parallel flanges
- Guide rollers for safe, reliable and low-wear cross-travel motions
- Integrated safety thanks to standard drop stop
- Thrust rocker or counter-weights

CONTROL PENDANT

DSE – for processor control:

- Display provides information on status data specific to the installation
- Strain relief:
 - Height-adjustable with textile sleeve
 - With 2TY cable



DST – for contactor control:

- Switching elements for contactor control
- High operating reliability thanks to additional strain relief cords



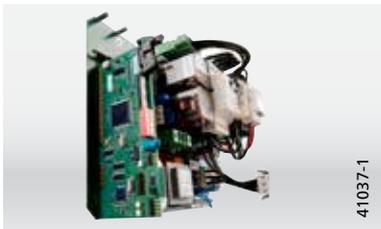
One rope hoist, many variants



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CONFIGURATION

- Low-headroom travelling hoist for minimum approach dimensions (EKDR-Com)
- Double-rail crab for optimum lifting height (EZDR-Com)
- Foot-mounted hoist for special travelling hoists or for stationary operation (FDR-Com)



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CONTROL

- Processor control for lifting and variable cross-travel speeds with inverter (5-24 m/min)
- Contactor control for lifting and 2-stage cross-travel speeds (6/24 m/min)



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OPERATION

- Control with cable as standard
 - via DSE10-R control pendant (processor/bus control) with an integrated display
 - or via DST control pendant (contactor control)
- Wireless via DRC radio control with receiver in the hoist/crab electric equipment

TECHNICAL DATA

Rope hoist model	Load capacity [t]	Hook path [m]	Lifting speed V1 [m/min]	Group of mechanisms	
				FEM	ISO
DR 3	4/1 reeving				
	2	6; 10	4.5 / 0.8	4m	M7
	2.5			3m	M6
	3.2			2m	M5
DR 5	4/1 reeving				
	4	6; 10	4.5 / 0.8	3m	M6
	5			2m	M5
DR 10	4/1 reeving				
	6.3	6; 10	4.0 / 0.7	3m	M6
	8			3m	M6
	10			2m	M5

Operating voltage: 380 - 415 V, 50 Hz

Type of enclosure: IP 55

Control voltage: 48 / 230 V, 50 Hz

Foot-mounted hoist, travelling hoist and double-rail crab

Our experience makes the difference

Our expertise in complex production and operating processes is unmatched in the industry, which is hardly surprising, since we have almost 200 years of experience in the crane business. We offer you a complete product range of cranes, drives and handling technology for every application.

Customer benefits: value, reliability, availability and performance.

HIGH SAFETY, QUALITY AND RELIABILITY

The Demag crane experts are the right partner to ensure the long-term safety, reliability and availability of your DR-Com.

We offer you a wide range of services to cover the entire life cycle of your product. From a single source. And the same applies to cranes, hoists, load handling attachments and components of our Demag brand and to products supplied by other manufacturers.

OUR GOAL:

You can concentrate fully on your core business – since you have the certainty that your installations operate reliably, efficiently and without any faults or malfunctions.

We give you everything you need: a large global service network, highly trained service engineers and a highly efficient spare parts logistics system.





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TEREX CORPORATION

Terex Corporation is one of the world's leading suppliers of crane technology with Demag industrial cranes and crane components. The core competence of the Terex Material Handling business group lies in the development, design and production of technically sophisticated cranes, hoists and components and the provision of sales support and services for these products. The business group manufactures in 16 countries on five continents and is present in more than 60 countries, reaching customers in more than 100 countries.

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