

V - TYPE INDUSTRIAL CRANES



CAP. 1 V-TYPE INDUSTRIAL CRANES

INNOVATION | RELIABILITY | PRECISION



CAP. 2 DEMAG ROPE HOISTS

COMPACT DESIGN | HIGH PERFORMANCE



CAP. 3 INDUSTRIAL CRANE MANUFACTURING

MADE IN ROMANIA | INTEGRATED QUALITY

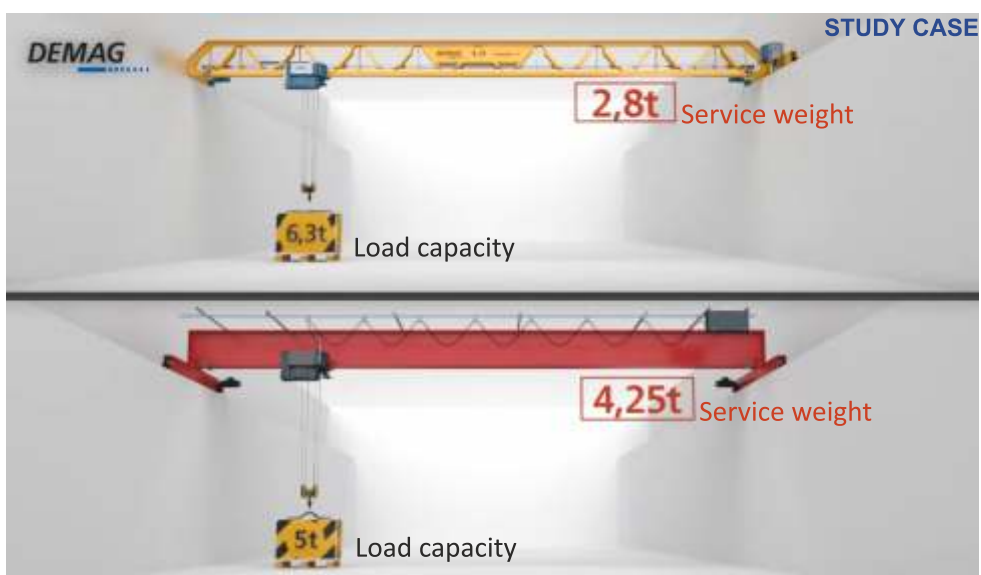


V-TYPE INDUSTRIAL CRANES

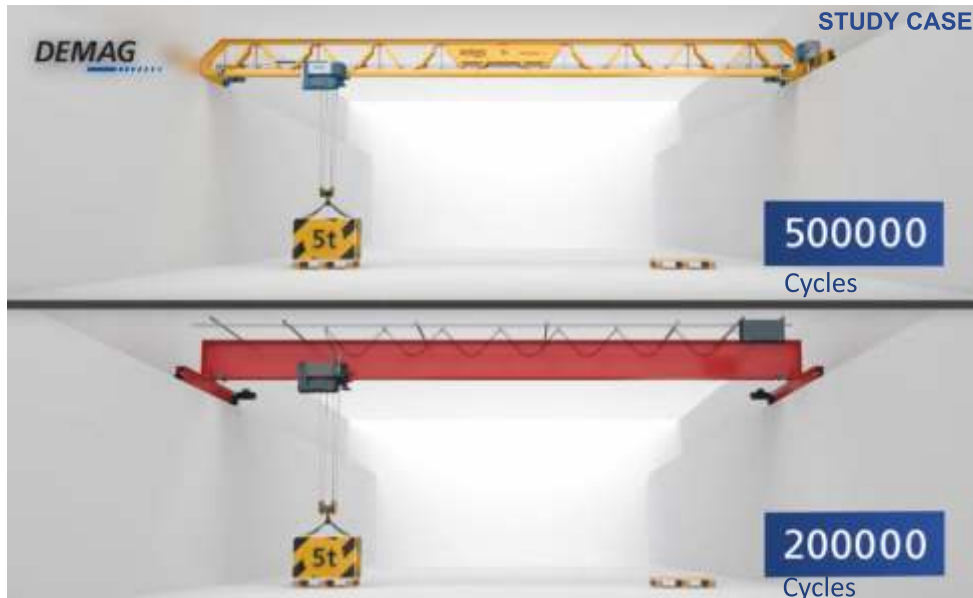


INNOVATION

The V-type profile consists of tapered diaphragm joints, which reduce



the overhead crane's own weight by an average of 17 percent.

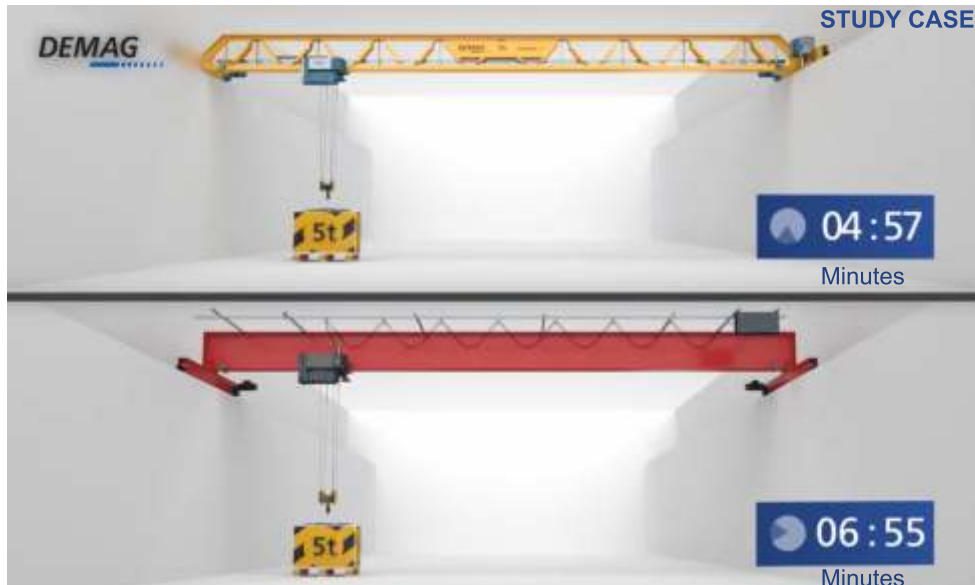


The V-profile construction significantly increases the service life, reaching over 500,000 load cycles.

PRECISION

Based on innovative design principles, a 30% reduction in oscillation characteristics was achieved..





- The loads are stabilized more quickly
- Increased accuracy and positioning during load transport
- Increased handling rates

WIND RESISTANCE

More possible applications: the optimized design cuts wind resistance by up to 55%, making V-type cranes highly suitable for outdoor handling operations.



RELIABILITY



Improved reliability for load handling: the high-quality materials and manufacturing of these types of industrial cranes ensure a high level of long-term reliability.



V-TYPE INDUSTRIAL CRANES



Factors such as load capacity, stability and industrial safety are also decisive for the efficiency of crane systems. The new Demag V-type girder meets these requirements in full.



MAIN TECHNICAL CHARACTERISTICS

	Single girder (EVKE)	Double girder (ZVKE)
Rated load	up to 12.5 tonnes	up to 50 tonnes
Span	up to 30 meters	up to 35 m
Crane travel speed	up to 40 meters per minute	up to 40 meters per minute
Trolley travel speed	up to 30 meters per minute	up to 25 meters per minute
Lifting speed	up to 12.5 meters per minute	up to 12.5 meters per minute



Different construction variants - multiple applications

Regardless of the model you choose, the V-type overhead crane can be easily adapted to any building structure and is the ideal solution for both existing buildings and new construction projects.

DEMAG ROPE ELECTRIC HOISTS



COMPACT DESIGN

DEMAG rope hoists with a compact design and low deadweight stand out due to their small external dimensions. This feature allows for the best possible use of the workspace for industrial crane applications.

INNOVATION

These lifting mechanisms offer customized solutions based on a single platform. Additional hardware options and smart features turn DEMAG rope hoists into smart lifting solutions, fully equipped for future requirements.

FLEXIBILITY

From the standard version to the high-performance solution with intelligent safety functions, DEMAG rope hoists meet the requirements for economical and ergonomic lifting solutions. Benefit from their flexibility in all fields of application.

MULTIPLE CONFIGURATIONS

Depending on the application requirements, DEMAG rope hoists are available for integration with both single girder and double girder industrial cranes. Upon request, they can also be equipped with rotating trolleys.

DEMAG ROPE HOISTS

EK-DHR – low-headroom monorail hoist



- Available in three frame sizes (2, 5, and 10) for load capacities up to 10 tonnes
- Variable-speed trolley travel
- Easy access to motor and gearbox
- Optimal traction with DualDrive and optional DualDrive Plus

EZ-DHR – double-girder-trolley



- Available with steel wire rope or synthetic rope
- Reeving ratio: 2/1 or 4/1
- Two construction sizes available DHR 5 and 10 up to 20 tonnes
- Three motor options to choose from: P, W, S
- Quiet operation with reduced vibrations

EK-DVR – monorail hoist



- Optimized design with low headroom dimension for use on cranes and monorails
- Standard rubber buffers
- Integrated drop stop
- Adjustable flange width from 80 to 610 mm

INDUSTRIAL CRANE MANUFACTURING



MADE IN ROMANIA

Based on the DEMAG manufacturing license, since 2005 we have been producing a wide range of industrial cranes in Braşov, Romania, for loads of up to 300 tonnes and gauges of up to 40 meters. Since January 2016, we have also been manufacturing and selling in Romania, Bulgaria, Hungary, and the Republic of Moldova the new range of V-type industrial cranes, which are revolutionary products in the field of lifting and handling loads of up to 50 tonnes.

INTEGRATED QUALITY



All industrial cranes (single girder or double girder) manufactured in Braşov benefit from integrated quality throughout the entire process: design – production – delivery – installation – service.

Based on the certifications EN 1090-1:2009+A1:2011 and EN ISO 3834-2, we ensure high quality throughout the entire welding process of the girders and runway beams that are part of the industrial cranes. The entire manufacturing process — from laser cutting, sandblasting, welding, and painting to final assembly — complies with the most demanding quality requirements. This guarantees that we can offer a CE-compliant product on the market, with a high level of reliability in operation.



ELMAS S.R.L.

Griviței blvd no.1y
RO - 500177 Braşov
J08/840/1991
C.U.I. RO 1115033

Tel.: +40-268-308700
+40-723-362378
+40-744-350178
Fax: +40-268-308705

SERVICE CALL CENTER
Tel. verde: 0800881234
E-mail: office@elmas.ro
sales@elmas.ro

www.podurirulante.ro