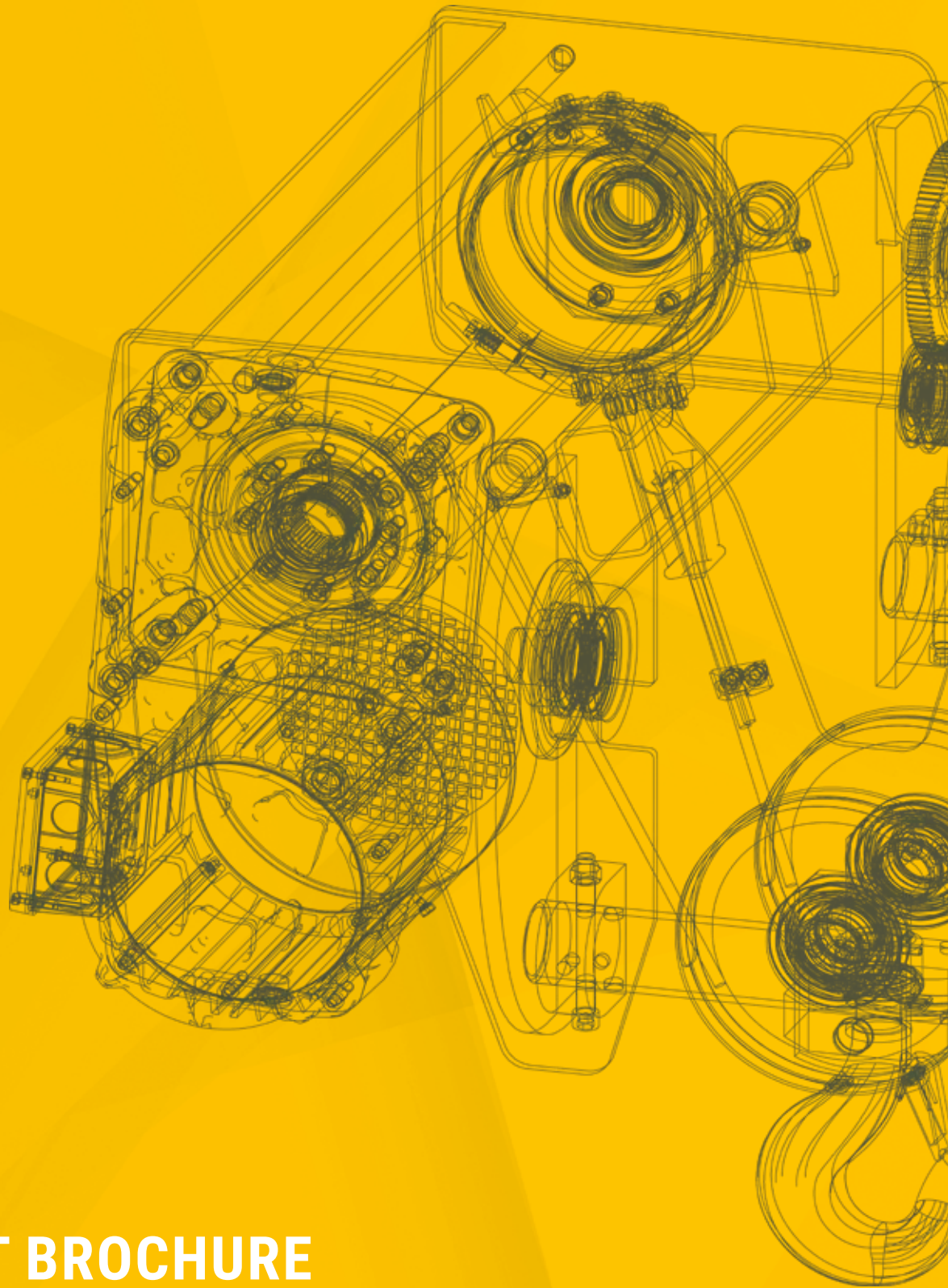


E·M·H[®]
— Crane Components —



PRODUCT BROCHURE



E·M·H[®]

— Crane Components —



BEST POSSIBLE SERVICE – THAT’S OUR GOAL!

EMH Crane Components designs, manufactures and sells a complete line of material handling equipment for loads ranging **from 250 kg to 250 tonnes**. Our experienced team can now draw on the experience of several thousand delivered hoists. Besides our standard components, which undergo strict qualification, we also excel in the area of custom-made products.

We accept nearly all enquiries, striving to find the best solution for our customers in respect of both price and design.

We supply multiple industries with the following components:

- **Bridge cranes**
- **Gantry cranes**
- **Smooth-running systems**
- **Jib cranes**
- **Free standing systems**
- **Crane kits**
- **Standard hoists**
- **Standard endtrucks**
- **Winches**

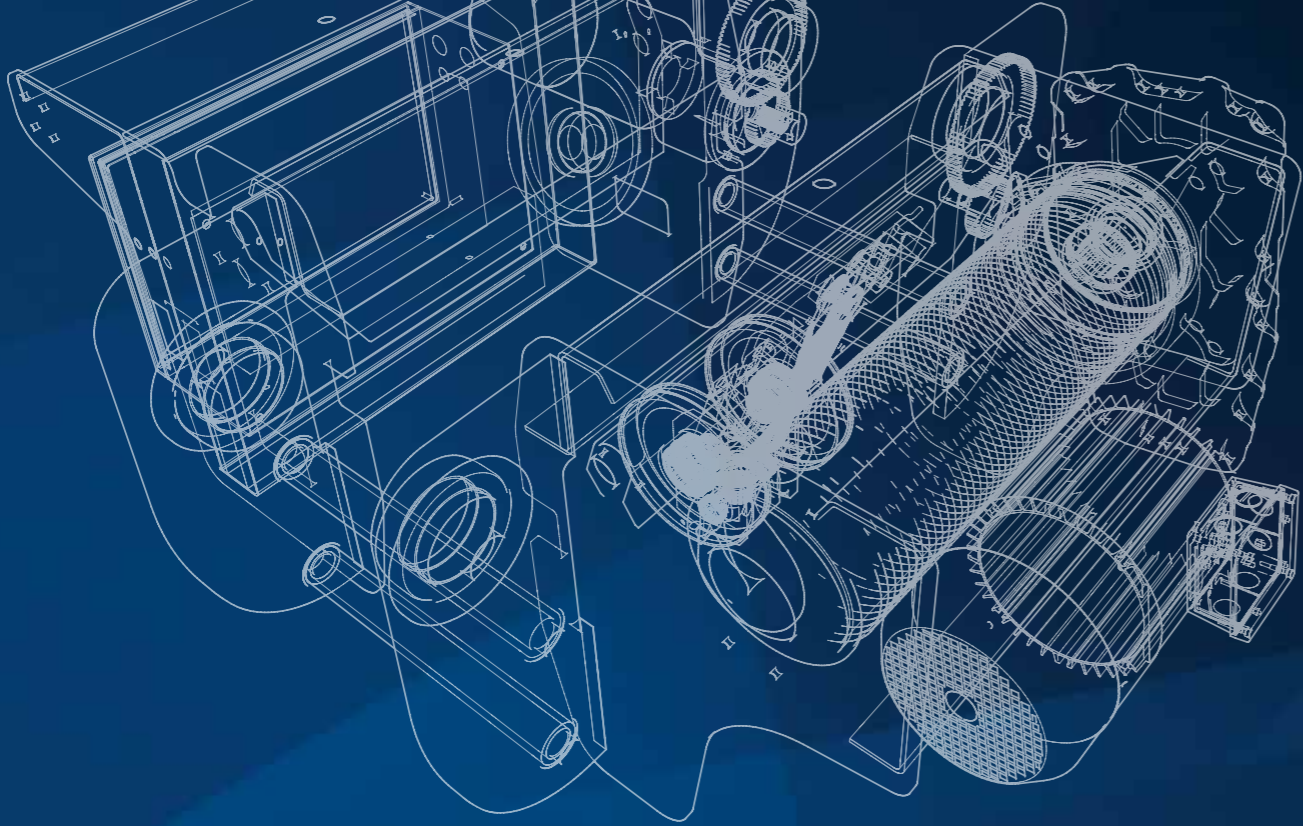
And user-defined crane components

EMH – CONFIDENCE WORLD-WIDE

Based in Puna, India, **EMH Crane Components** is a leading crane and crane component manufacturer for partners world wide. To guarantee you an optimal level of service, we work together with certified EMH dealers across India. Our products offer the highest quality standards and impress with their wide range of applications in highly diverse industries and fields.

Our reliable and fast service is the driving force that lets us offer you the right products at any time. How do we make this happen? With our established spare parts and training center in India as well as joint cooperation with our EMH dealers, we create a unique overall package that offers the absolute best to our customers. **Hand in hand for a bright future ahead.**





**AT SOME POINT
THE TIME FOR A
RISE UP HAS COME.**

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OUR SPARE PARTS AND COMPONENTS SHOP

We keep the majority of all spare and wear parts in our spare parts warehouse. Whereby we can guarantee a fast and effective supply of necessary parts.

Just visit our new shop and choose your product easily and conveniently.

www.shop.emhcomponents.com





iROPE SINGLE

iROPE single



NEW!

With the new iROPE single, EMH is entering a new era in the field of existing wire rope hoist models that will be further developed and implemented for our customers and partners in the future.

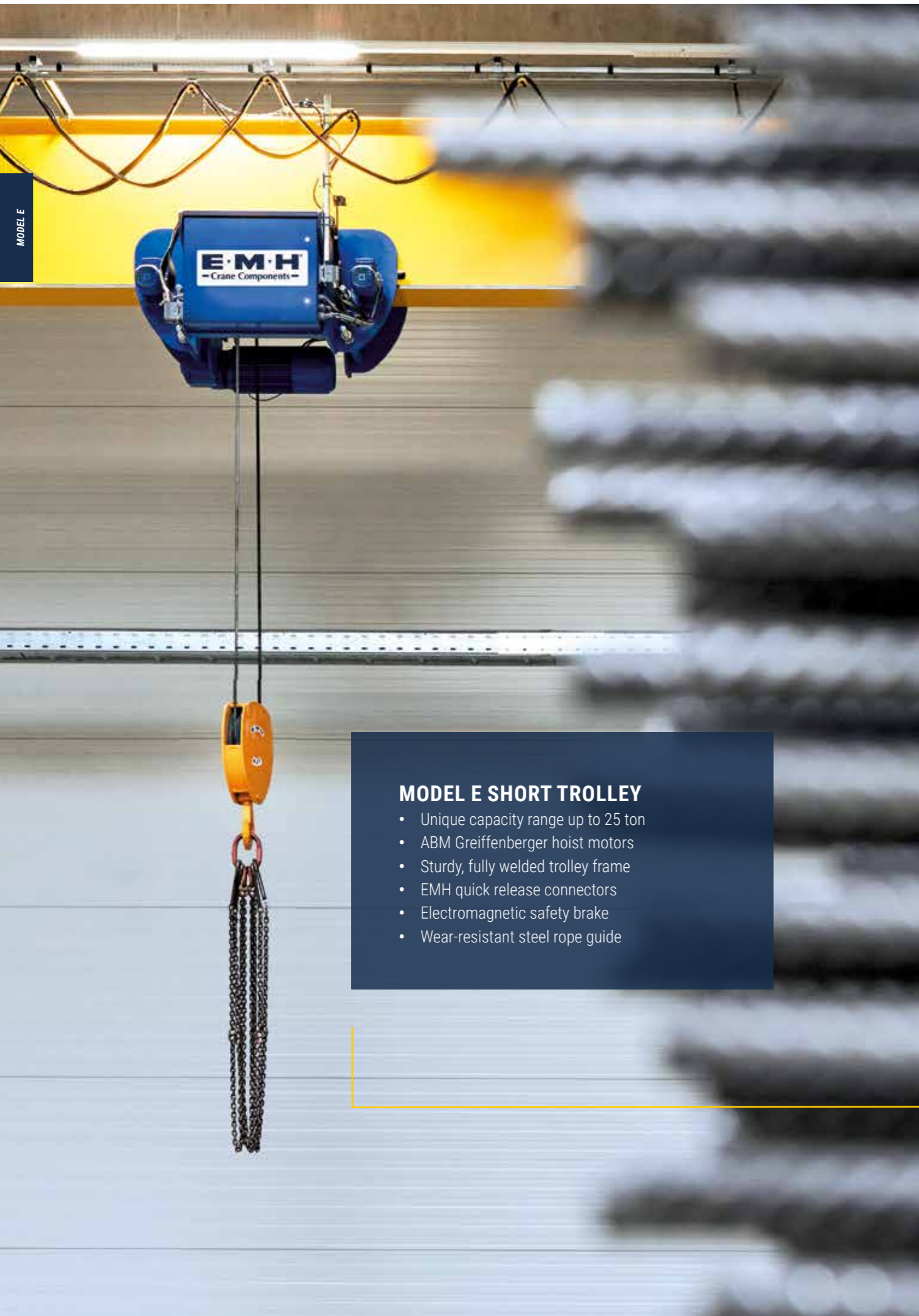
iROPE SINGLE

- Capacity up to 12.5 t
- Out now available
- Control voltage: 48 V
- Flexible and easy gauge adjustment
- Optimized C-dimension
- Improved rope guide attachment
- Extension of the lifting height options
- Improved FEM duty
- ESR for continuously variable lift drives
- Compact stroke limit switch (4-stage)

The **iROPE single** is the new EMH single girder hoist and replaces the highly successful Model E, produced for many years, in the load capacity range of up to 12.5 t. In essence the **iROPE** is based on the trusted design of the Model E, which guarantees the robustness valued and appreciated by our customers. To keep up with technological developments, however, the new **iROPE** incorporates significant improvements. It is now possible to adjust the girder gauge, thereby enabling flexible, quick and simple adaptation to a variety of conditions. The new guide shaft to which the rope guide is attached enables fault-free, accurate guiding of the steel rope. In addition to the newly developed, more compact bottom hook block, which enables an optimal C-dimension, a more compact hoist limit switch has also been fitted. The new **iROPE** is thus more compact in design, in terms of both hoisting and trolley movement, compared to its predecessor, which results in a better approach dimension.

The new **iROPE** also features the latest drive technology. The new X hoist motor series allows both improved grading on the one hand and increased infinitely variable load-dependent hoisting speed in the stepless range on the other. Additionally, the new **CT-Com+** cross-travel drive is used, as it is throughout the entire series.

MODEL E



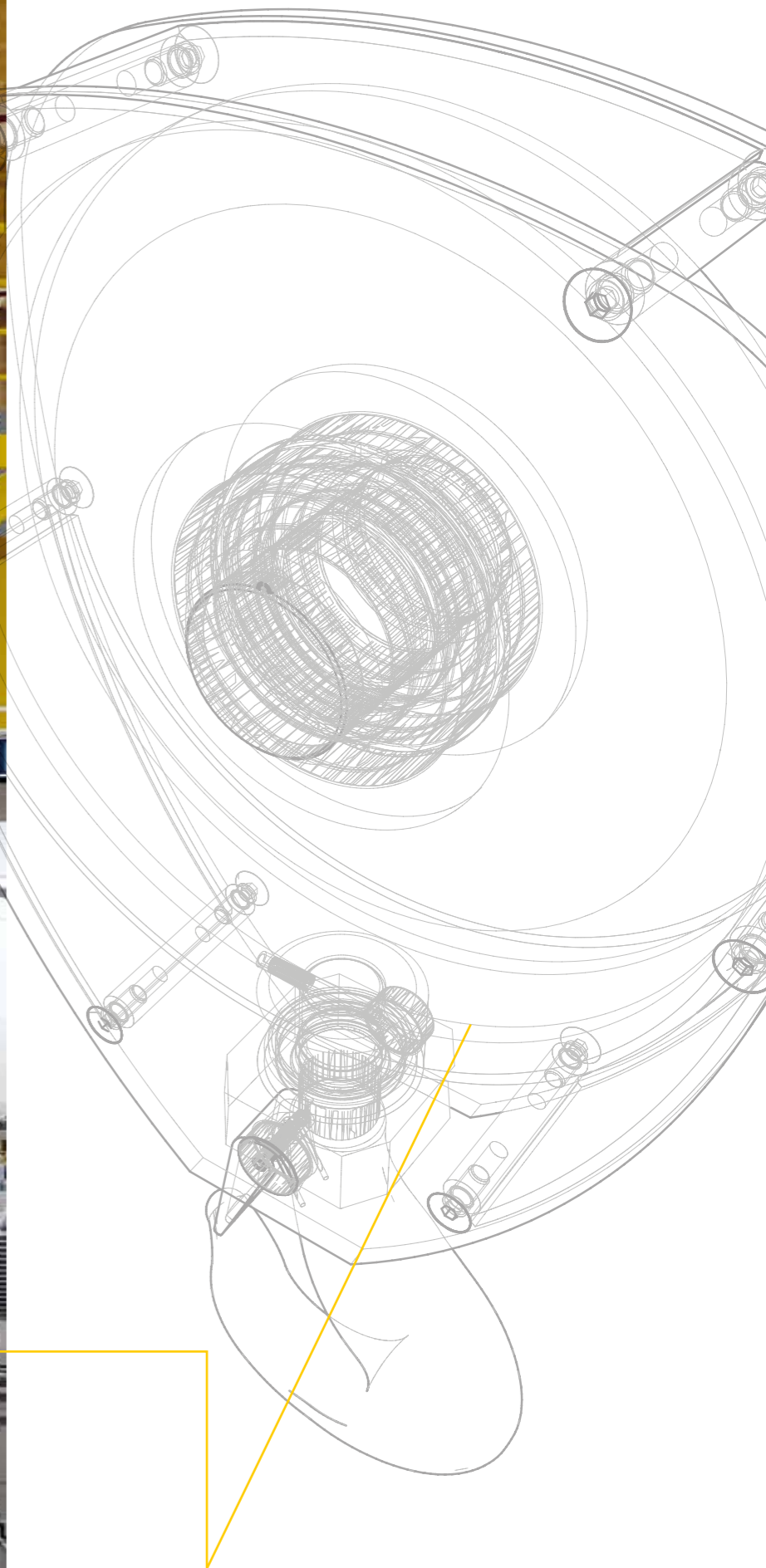
MODEL E SHORT TROLLEY

- Unique capacity range up to 25 ton
- ABM Greiffenberger hoist motors
- Sturdy, fully welded trolley frame
- EMH quick release connectors
- Electromagnetic safety brake
- Wear-resistant steel rope guide



The **EMH Model E single girder hoist** is notable for its highly favourable approach and hook dimensions. These are achieved with a compact, fully welded frame adapted to provide the best match for all the components used. The parallel configuration of the rope drum and the hoist motor also contribute to the overall compact size of the Model E short trolley. In addition, this configuration ensures easy servicing and maintenance.

With its unique, wide capacity range from 2.5 to 25 tonnes and the possibility of flexibly adapting the Model E short trolley to different flange sizes, this wire rope hoist is a true all-rounder than will fulfil all your requirements.

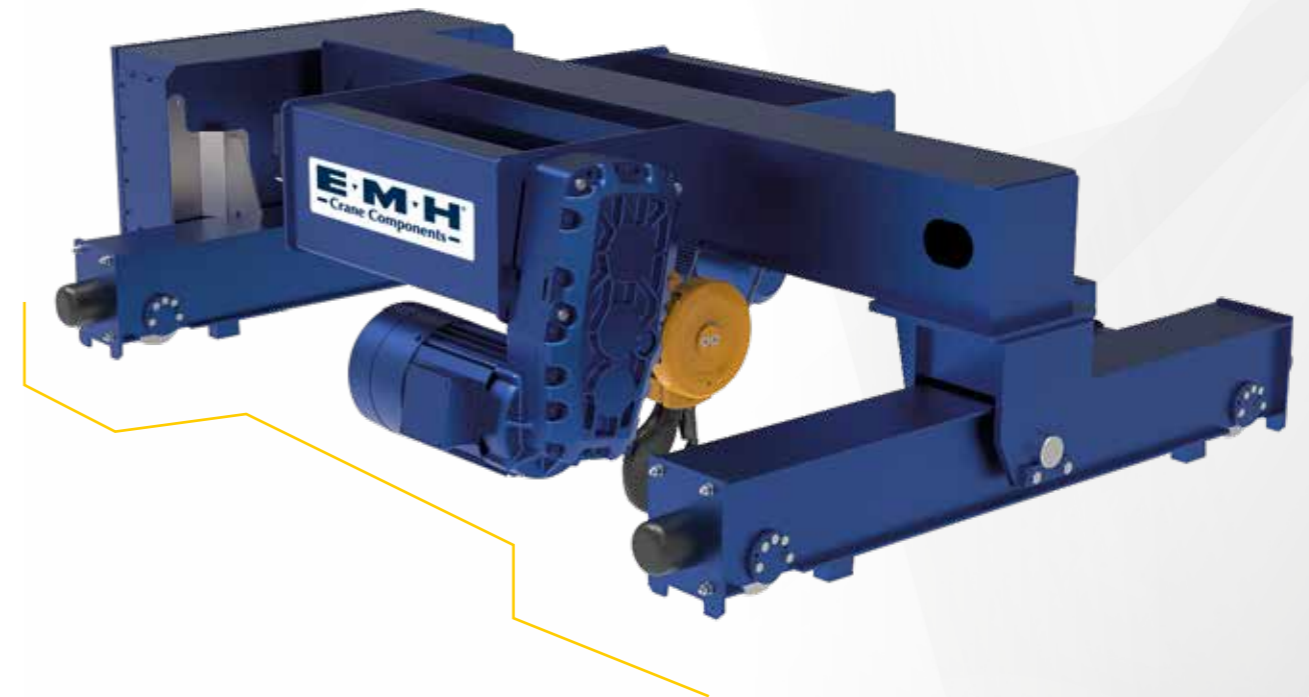




MODEL D DOUBLE GIRDER HOIST

- Capacity range up to 40 ton (2-step hoisting speed)
- Capacity range up to 63 ton (continuously variable hoisting speed)
- ABM Greiffenberger hoist motors
- Sturdy, fully welded trolley frame
- EMH quick release connectors
- Electromagnetic safety brake
- Wear-resistant steel rope guide

MODEL D



The **EMH Model D double girder hoist** is a compact wire rope hoist for the medium capacity range. The parallel configuration of the rope drum and the hoist motor makes the trolley very easy to maintain. A one-sided articulated running gear carrier connection ensures that all trolley wheels make full contact. In this way, the forces resulting from crane use are optimally distributed to the substructure.

This trolley meets all your wishes over the medium capacity range thanks to its low headroom, cost-effective purchase price and the flexible, standardised trolley rail gauge dimensions.



MODEL DL

MODEL DL DOUBLE GIRDER HOIST

- Capacity range up to 40 ton (2-step hoisting speed)
- Capacity range up to 63 ton (continuously variable hoisting speed)
- ABM Greiffenberger hoist motors
- Low head room hoist
- Sturdy, fully welded trolley frame
- EMH quick release connectors
- Electromagnetic safety brake
- Wear-resistant steel rope guide

MODEL DL

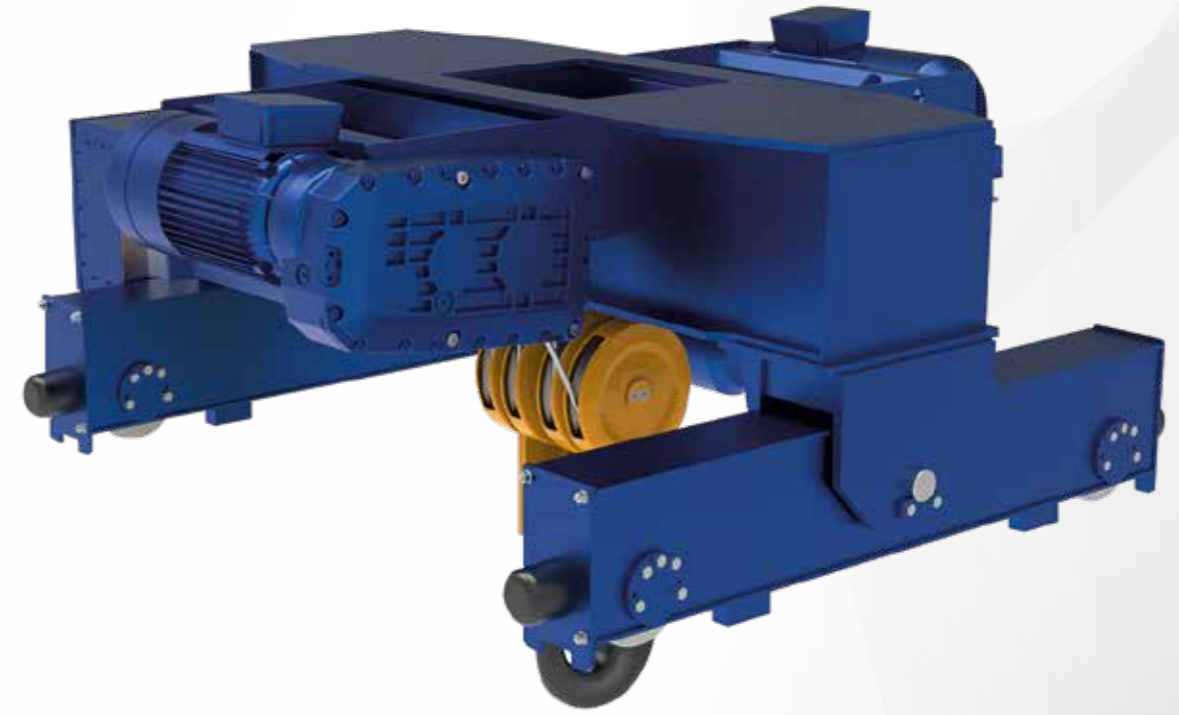


MODEL DL

The **EMH Model DL double girder hoist** is a compact wire rope hoist for the medium capacity range. Due to the lowered design of the height, this model is the optimal solution for low room heights and lack of space above the crane main girder. A one-sided articulated running gear carrier connection ensures that all trolley wheels make full contact. In this way, the forces resulting from crane use are optimally distributed to the substructure.

This trolley meets all your wishes over the medium capacity range thanks to its extrem low headroom, cost-effective purchase price and the flexible, standardised trolley rail gauge dimensions.

MODEL Z



MODEL Z DOUBLE GIRDER HOIST

- Capacity range up to 80 ton
- Two ABM Greiffenberger hoist motors
- Sturdy, fully welded trolley frame
- EMH quick release connectors
- Electromagnetic safety brake
- Wear-resistant steel rope guide

The **EMH Model Z double girder hoist** with twin hoists consists of a fully welded frame whose geometry was optimally matched to the two hoist motors. As this trolley has two hoist motors, the parallel configuration of the rope drum and the hoist motor is particularly beneficial for maintenance and servicing. A one-sided articulated running gear carrier connection ensures that the hoist makes contact with four wheels and optimally distributes the forces resulting from crane use to the substructure.

With its compact design and the option of choosing between different standardised trolley rail gauges, the EMH Model Z double girder hoist is your first choice in tight spaces.

MODEL FM

MODEL FM FOOT MOUNTED HOIST

- Capacity range up to 25 ton
- ABM Greiffenberger hoist motors
- Sturdy, fully welded hoist frame
- EMH quick release connectors
- Electromagnetic safety brake
- Wear-resistant steel rope guide



The EMH **Model FM foot mounted hoist** is our universal, stationary hoist. Through attachment options on three sides this allows individual installation in various constructions. The parallel arrangement of rope drum and lifting motor ensures an easy servicing and maintenance.

In addition to the flexible assembly options and the high ease of maintenance rounds off a compact fully welded frame with favorable installation dimensions the overall picture. The FM model is the optimal solution for stationary applications and a successful addition for on-site trolley frames.

MODEL CM

MODEL CM SINGLE GIRDER HOIST

- Capacity range up to 25 ton
- Rope reeving codes 4/2 or 8/2
- Rope drum rotated 90°
- ABM Greiffenberger hoist motors
- Sturdy, fully welded trolley frame
- EMH quick release connectors
- Electromagnetic safety brake
- Wear-resistant steel rope guide



MODEL SU

MODEL SU UNDER RUNNING HOIST

- Capacity range up to 25 ton
- ABM Greiffenberger hoist motors
- Sturdy, fully welded trolley frame
- EMH quick release connectors
- Electromagnetic safety brake
- Wear-resistant steel rope guide



Because the rope drum is rotated through 90°, the **EMH Model CM single girder hoist** is the wire rope hoist of choice where the approach dimensions are overriding. The EMH Model CM single girder hoist is only available with rope reeving codes of 4/2 or 8/2 because of its special construction. This ensures that the load is always carried centrally.

With its special design and wide capacity range of up to 25 t, the EMH single girder hoist is the solution to your problems.

The **EMH Model SU under running hoist** is the first choice for curved single girder tracks and curve-encompassing applications. Thanks to its eight wheels, which are hinged at two points, the trolley enables the use of standard commercial rolled section girders, even under large loads. A compact, fully welded frame and the standard parallel configuration of the hoist motor and rope drum provide the low headroom that distinguish this wire rope hoist.

Low trolley wheel load data together with the associated economic advantages and the potential of flexibly adapting this wire rope hoist to different flange sizes go towards making this wire rope hoist very popular with our customers.

MODEL HF



MODEL HF DOUBLE GIRDER WINCH

- Capacity range up to 100 ton
- SEW/NORD hoist motors
- Sturdy, fully welded trolley frame
- Electromagnetic safety brake

The **EMH Model HF double girder winch** is a winch made for the large capacity range. The parallel shaft gearbox braking motor connected at the face end offers a favourable alternative to a large winch because the basic structure can be derived from the standard series. The open design of the winch ensures ease of maintenance and servicing.

If you have a heavy duty application of up to 100 tonnes, the EMH Model HF double girder winch is your first choice!

MODEL H



MODEL H DOUBLE GIRDER WINCH

- Capacity range up to 250 ton
- SEW/NORD hoist motors
- Sturdy, fully welded trolley frame
- Electromagnetic safety brake

The **EMH Model H double girder winch** is a winch for the very large capacity range. The parallel configuration of the hoist motor and the rope drum enable an extremely compact design despite the high capacity range. Maintenance and servicing are also very easy because of the open design of the winch.

This winch is used in use across the world thanks to its high capacity and relatively compact design. If you have a really heavy duty application with a high capacity >100 tonnes, the EMH Model H double girder winch is your first choice!

ELECTRIC CHAIN HOIST iCHAIN

- Capacity up to 2.000 kg
- FEM-duty up to M6
- Hookway up to 10 m
- 2-step lifting speed
- Powerful and dynamic asynchronous motor
- Strong housing due to aluminum alloy
- IP-Protection



Due to their modular concept, the **EMH electric chain hoists** can be adapted to the requirements of the user with the least effort. Therefore, the hoisting industry resellers have a system at their disposal that they can configure individually. This is applicable, for example, for the lifting speed, the power supply voltage, the control and for several options.

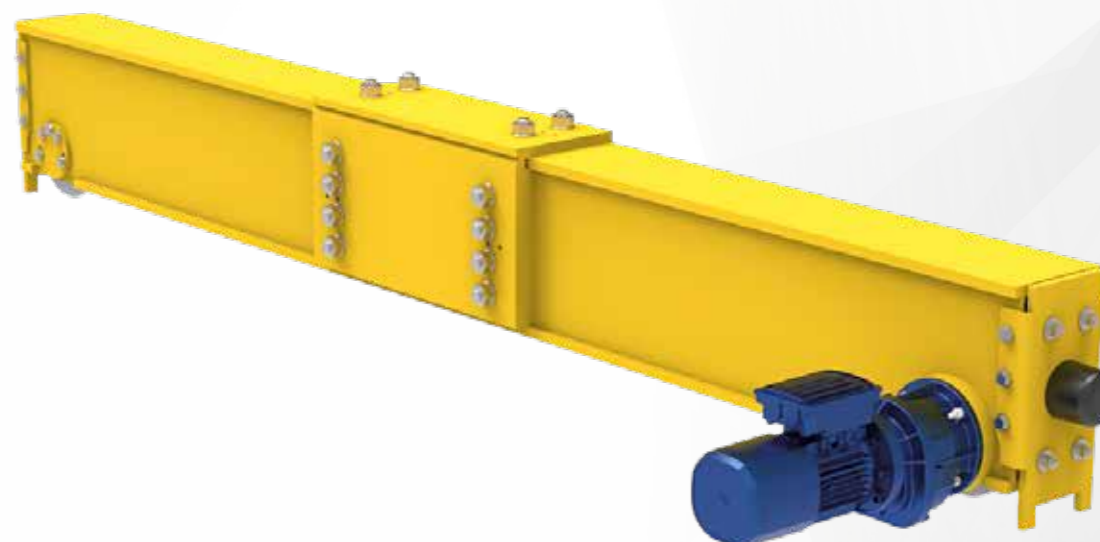
Depending on the lifting speed and capacity, a FEM classification up to M6 can be reached. This demonstrates the high quality and performance level of the EMH electric chain hoists. All components have been optimized or chosen with regard to a long service life. The result: the chain hoists reach a very high service life, even under high operational demands.

MODEL HSE ENDTRUCK FOR SINGLE GIRDER OVERHEAD CRANES

- Wheel diameters from 100 mm to 315 mm
- Wheel bases from 1.500 mm to 5.000 mm
- Wheel loads up to 172 kN per wheel
- Main girder connection using high tension bolts



MODEL HSE



The **EMH Model HSE endtruck** is the right endtruck for single girder overhead cranes. The sturdy, fully welded frame, completely machined in one set-up, is very accurate and complies with the strictest quality standards. The surface-hardened wheels are turned from solid and run extremely smoothly because of the roller bearings and the precision manufacturing.

The Model HSE endtruck is equipped with flanged wheels and wheel-break supports as standard. Alternatively, it can be equipped with extensive accessories such as guide rollers, track sweepers or bumper extenders. With versatile connection options, we have the right endtruck for your application, too!



MODEL HSZ ENDTRUCK FOR DOUBLE GIRDER OVERHEAD CRANES

- Wheel diameters from 130 mm to 500 mm
- Wheel bases from 2.700 mm to 5.100 mm
- Wheel loads up to 299 kN per wheel
- Main girder connection using high tension bolts

MODEL HSZ



The **EMH Model HSZ endtruck for double girder overhead cranes** is our endtruck for double girder overhead cranes. The sturdy, fully welded frame, completely machined in one set-up, complies with the strictest quality standards. The surface-hardened wheels are turned from solid and run extremely smoothly because of the roller bearings and the precision manufacturing.

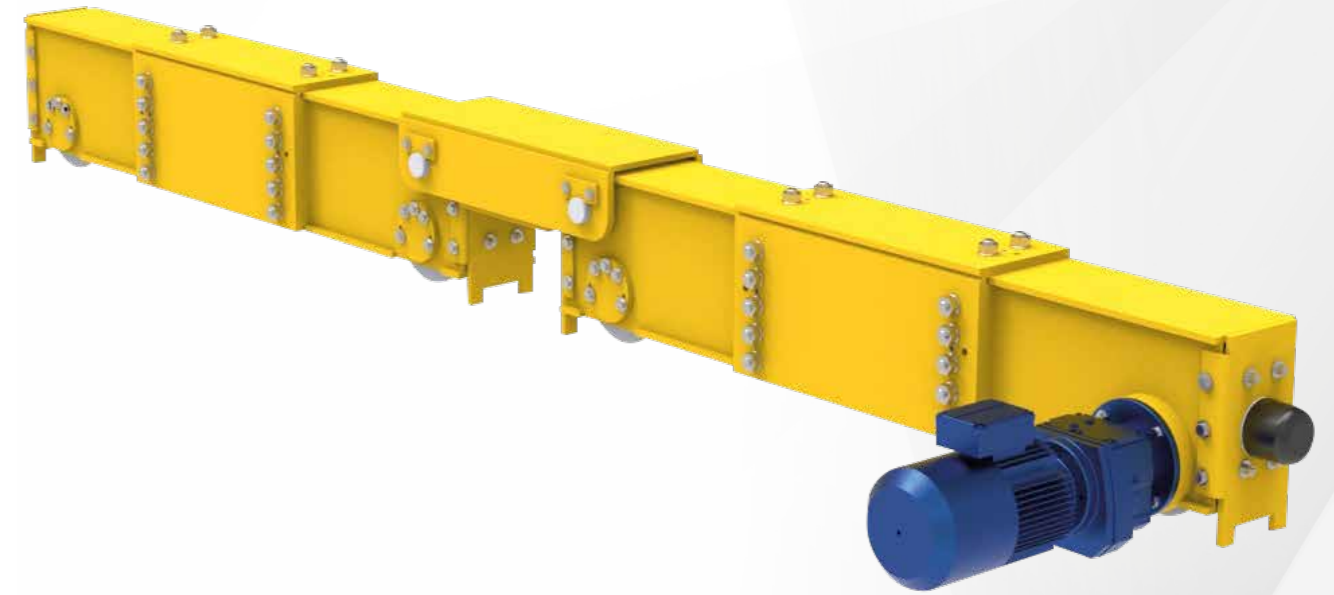
The Model HSZ endtruck is equipped with flanged wheels and wheel-break supports as standard. Alternatively, it can be equipped with extensive accessories such as guide rollers, track sweepers or bumper extenders. With versatile connection options, we have the right endtruck for your application, too!



MODEL UHB ENDTRUCK FOR DOUBLE GIRDER OVERHEAD CRANES

- Wheel diameters from 200 mm to 500 mm
- Wheel bases from 3.300 mm to 5.100 mm
- Wheel loads up to 545 kN per bogie
- Main girder connection using high tension bolts

MODEL UHB



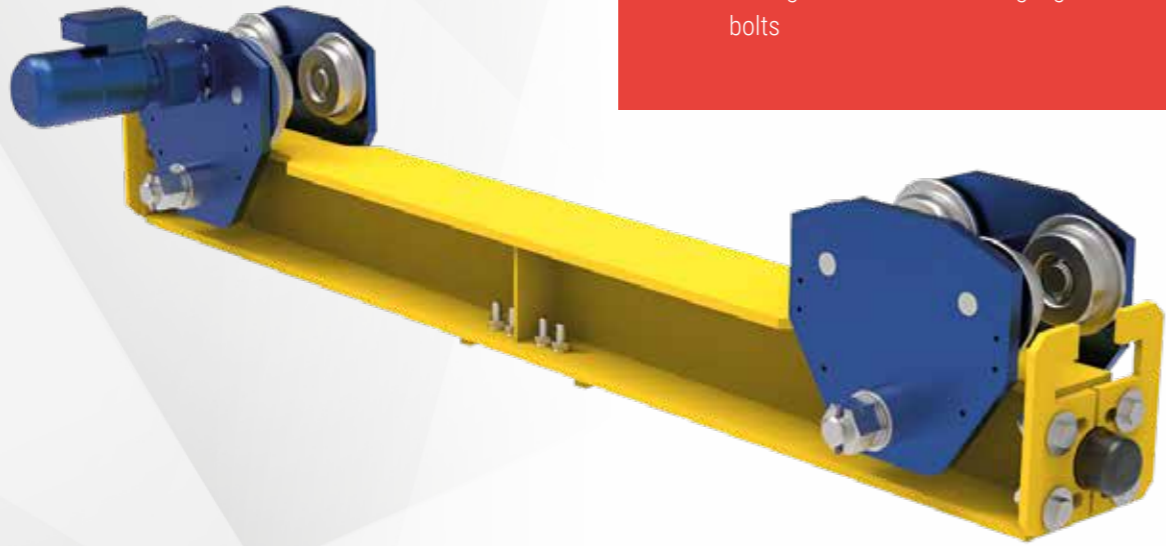
The **EMH Model UHB endtruck for double girder overhead cranes** is our endtruck for the heavy lifting range. The sturdy, fully welded frame, completely machined in one set-up, complies with the strictest quality standards. The surface-hardened wheels are turned from solid, have a diameter up to 500 mm and are the go-to choice for heavy duty use. You can reduce your wheel loads considerably by using the EMH Model UHB endtruck which symmetrically distributes the load over four wheels on each crane track side instead of just two.

The endtruck is equipped with flanged wheels and wheel-break supports as standard. Alternatively, it can be equipped with extensive accessories such as guide rollers, track sweepers or bumper extenders.

MODEL DLVM

MODEL DLVM ENDTRUCK FOR UNDER RUNNING CRANES

- Wheel diameters from 100 mm to 200 mm
- Wheel bases from 1.500 mm to 2.500 mm
- Main girder connection using high tension bolts



MODEL EDL

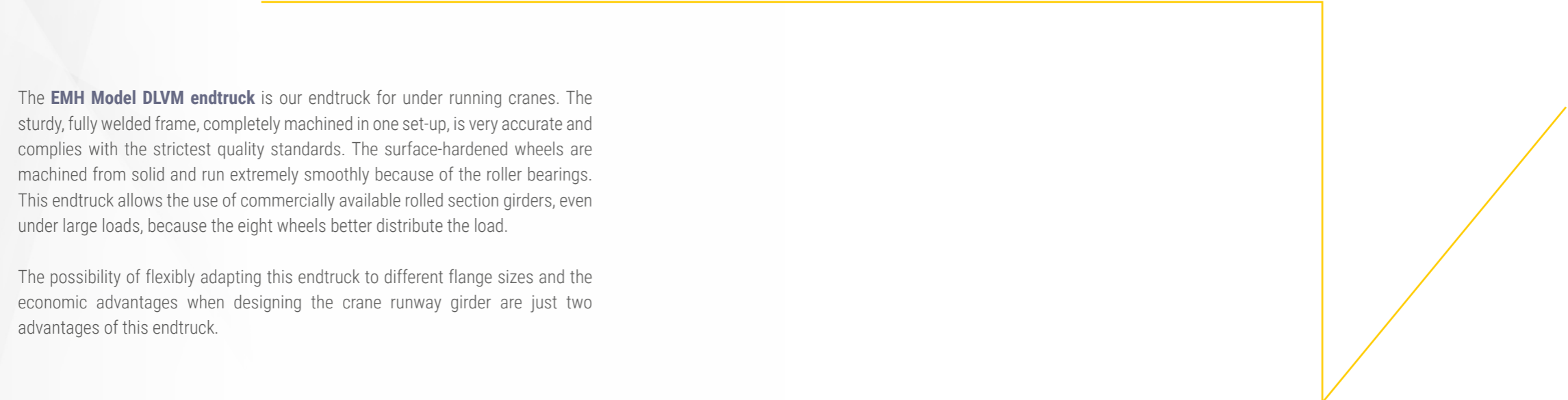
MODEL EDL ENDTRUCK FOR UNDER RUNNING CRANES

- Wheel diameters from 100 mm to 125 mm
- Wheel bases from 1.500 mm to 2.300 mm
- Main girder side connection using high tension bolts



The **EMH Model DLVM endtruck** is our endtruck for under running cranes. The sturdy, fully welded frame, completely machined in one set-up, is very accurate and complies with the strictest quality standards. The surface-hardened wheels are machined from solid and run extremely smoothly because of the roller bearings. This endtruck allows the use of commercially available rolled section girders, even under large loads, because the eight wheels better distribute the load.

The possibility of flexibly adapting this endtruck to different flange sizes and the economic advantages when designing the crane runway girder are just two advantages of this endtruck.



EMH CRANE KIT

THE CRANE KIT IS AVAILABLE FOR THE FOLLOWING CRANE TYPES:

- Double girder overhead crane with a capacity up to 80 ton
- Single girder overhead crane with a capacity up to 25 ton
- Spans up to 30 m as standard (larger spans available upon request)
- Special crane kits available upon request
- Additional equipment available
- Main girder connection using high tension bolts

STANDARD EMH CABLE FESTOON SYSTEM

- Version with metal connectors
- Version with metal cable trolleys
- Rubber cables for outdoor operation

STANDARD EMH BRIDGE PANEL

- IP54 or IP65 design
- high quality electrical components
- Complete with metal connectors
- Control voltage: 48 V or 230 V

STANDARD EMH HOIST

- Hook travel up to 40 m
- Continuously variable trolley motion up to 32 m/min
- Either 2-step or continuously variable hoisting movement
- Capacity up to 80 ton



STANDARD EMH ENDTRUCK

- Continuously variable crane motion up to 63 m/min
- Complete with main girder connection plate, bolts and crane bumper

STANDARD EMH PENDANT CONTROL

- Version with metal connector
- Integrated strain relief rope

EMH CRANE KIT



SINGLE GIRDER UNDERRUNNING CRANE WITH CHAIN HOIST

- capacity up to 2 ton
- span up to 18 m

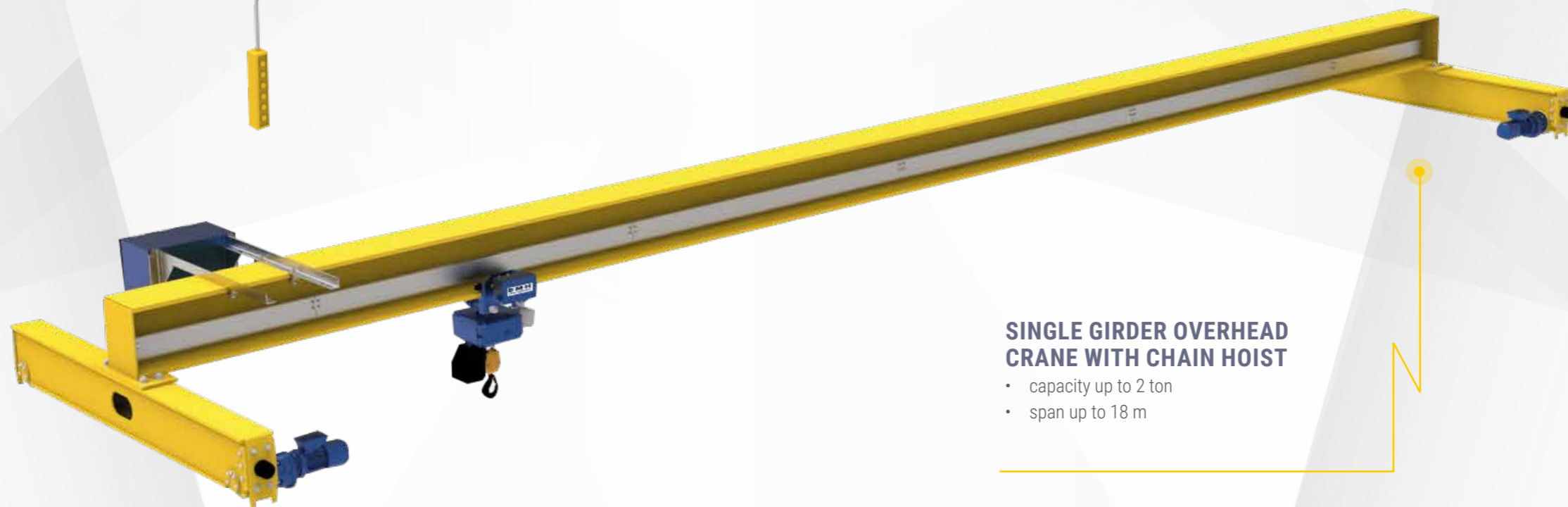
SINGLE GIRDER UNDERRUNNING CRANE

- capacity up to 12.5 ton
- span up to 18 m



SINGLE GIRDER OVERHEAD CRANE WITH CHAIN HOIST

- capacity up to 2 ton
- span up to 18 m



ELECTRONIC OVERLOAD PROTECTOR AND SWP WITH I-C4C (INTELLIGENT CONTROL FOR CRANES)

BASIC SYSTEM

- Overload protector
- SWP (Save Working Period)
- Up to 4 additional options possible
- 1 analogue output (0–10 V) for ESR or display
- Protected by PIN code



WI-FI SYSTEM

- Overload protector
- SWP (Save Working Period)
- Up to 4 additional options possible
- 1 analogue output (0–10 V) for ESR or display
- Protected by PIN code
- Direct programming via a PC, tablet or smartphone
- Direct data download to a PC, tablet or smartphone



Large display available in numbers 150 mm or 300 mm tall.



Direct monitoring on a PC, tablet or smartphone. Simple, fast and service-friendly.



CRANE ELECTRICAL SYSTEM AND VARIABLE FREQUENCY DRIVE TECHNOLOGY FROM SCHNEIDER ELECTRIC



VARIABLE FREQUENCY DRIVE TECHNOLOGY FROM SCHNEIDER ELECTRIC

- All variable frequency drives use Schneider Electric equipment as standard. In the crane kits, both the trolley and crane motion systems are continuously variable as standard. Continuously variable hoisting movement is available for all capacities.

ELECTRICAL/CONTROL CABINET

- Cable designation
- high quality electrical components
- Metal connectors
- IP54 as standard
- IP65 for outdoor operation upon request



ADDITIONAL AVAILABLE OPTIONS:

- Slack rope protection
 - Shock load protection
 - Restricted load areas
 - Overdrive protection
 - Hoist tandem control
 - Crane tandem control
 - Load summing
 - Data logging
 - Tare function*
- * Only possible with display



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Further technical informations you will find on our website.



E · M · H® — Crane Components —

**United Crane Components
Private Limited**

Gat No. 324 & 313 A/P Darawali,
Tal - Mulshi, Pune - 412108. (India)

**EMH Crane Components
Private Limited**

Gat No. 322 A/P Darawali,
Tal - Mulshi, Pune - 412108. (India)

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