MIPROMET

Jib Cranes
Gantry Cranes

miproCrane

Index

Mipromet Ltd ul. Dluga 63, 32-091 Maslomiaca
tel./fax +48 12 388 50 15, export@mipromet.eu

Description of abbreviations, acronyms and designations

WLL Working Load Limit - The maximum load weight that can be lifted or supported safely and without permanent damage.

A5 classification

The structural components of rotating column or wall-mounted cranes (as a whole) are classified in the work intensity group as ISO A5 (according to ISO 4301-1/88)
This means that the device can be used:
- irregularly with utilization class U3 (maximum number of duty cycles 125,000) with load Q4 (very heavy Kp=1.0)
- regularly lightly with utilization class U4 (maximum number of duty cycles 250,000) with load Q3 (heavy Kp=0.5)
- regularly average with utilization class U5 (maximum number of duty cycles 500,000) with load Q2 (average Kp=0.25)
- irregularly intensive with utilization class U6 (maximum number of duty cycles 1,000,000) with load Q1 (light Kp=0.125)

A3 classification

The structural components of rotating column or wall-mounted cranes or gantry winches (as a whole) are classified in the work intensity group as ISO A3 (according to ISO 4301-1/88)
This means that the device can be used:
- irregularly with utilization class U1 (maximum number of duty cycles 32,000) with load Q4 (very heavy Kp=1.0)
- irregularly with utilization class U2 (maximum number of duty cycles 63,000) with load Q3 (heavy Kp=0.5)
- irregularly with utilization class U3 (maximum number of duty cycles 125,000) with load Q2 (average Kp=0.25)
- regularly lightly with utilization class U4 (maximum number of duty cycles 250,000) with load Q1 (light Kp=0.125)

Assembly or disassembly of the device can be carried out by the end user on the basis of instructions, using non-specialized tools, without the involvement of a specialized service.

24h INSTOCK Program

Product covered by the Fast Shipping Program. Orders placed for this product, placed correctly by 11:00 are sent to the recipient on the same day. In the case of products requiring individual branding or unusual packaging, the shipping time may extend to 2 business days. The number of products ordered in the Fast Shipping mode is limited to the amount of inventory.

7 days QUICKSHIP Program

The product is covered by the Rapid Production and Shipping Program. Orders placed for this product are shipped to the recipient within 7 business days.

30 days Shipping DATE

Orders placed for this product are shipped to the recipient within 30 business days.

CE Declaration of conformity

The product is marked with the CE conformity mark, has an EC declaration of conformity, issued by the manufacturer, confirming on his sole responsibility that the marked product meets the requirements of EU directives.

Made in EU

Marking of the producer location. It confirms that the product was made within EU, from domestic materials, with the help of employees employed in accordance with EU labour law, meeting EU requirements concerning quality, working conditions and professional qualifications. The responsibility for the product lies with the EU legal entity.

2006/42/EC manufactured according to Directive

The product complies with the Machinery Directive 2006/42/EC, which confirms the performance of tasks leading to the fulfilment of health and safety requirements for machines placed on the market for the first time in the EU.

EN ISO 12100 meets the Standard

The product meets the requirements of EN ISO 12100 "Safety of machinery - General principles for design - Risk assessment and risk reduction".

EN 13001 meets the Standard

The product meets the requirements of EN 13001 "Cranes - General principles for design".

The product complies with the requirements of EN 13155 "Cranes - Safety - Removable gripping devices " which specifies requirements for the safe use of removable gripping devices intended for cranes, hoists and manually operated load lifting devices

EN 13157 meets the Standard

The product complies with the requirements of EN 13157 "Cranes - Safety - Manually operated lifting devices" for manual lifting devices such as chain hoists, crane winches and multi-blocks

EN 14492/2 meets the Standard

The product complies with the requirements of EN 14492/2 "Cranes - Mechanically driven winches and hoists - Part 2: Mechanically driven hoists".

EN 1677-1 meets the Standard

The product meets the requirements of EN 1677-1 "Components of slings Safety Part 1: Forged steel components, class 8"- general requirements for forged steel components class 8 up to 63 t WLL, used in chain slings, wire rope slings and fiber rope slings intended for lifting objects, materials or goods

EN 60204/32 meets the Standard

The product complies with the requirements of EN 60204/32 "Safety of machinery - Electrical equipment of ma-szines - Part 32: Requirements for crane equipment."

Drive group—selection of devices according to the intensity of work

The introduction of an additional classification of devices based on operating conditions provides designers with a rational basis for designing mechanisms and supporting structures for specific operating conditions. On this basis, the user can select a device tailored to the desired operating conditions and ensure safe operation throughout the entire period of use.

The use of classifications and related technical procedures improves operational safety by reducing the risks resulting from fatigue and aging of materials.
Users of mass-produced cranes are legally obliged to determine the actual period of use, constantly monitor the degree of resource utilization and, on this basis, carry out inspections, renovations or decommissioning.

Design differences between devices with the same main performance parameters and different classification can be large.
For example: a 100t block in the classification M3(1Bm) class may weigh three times more than a 100t block in the classification M7(4m) class

There are several standardized classification systems in place:

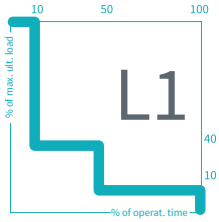
- ISO 4301-1 standard classifying mechanisms in classification M1-M8 (load classes L1-L4 with intensity of use T0-T9) and entire cranes in classification A1-A8 (load classes Q1-Q4 with intensity of use U0-U9)
- The EN 13001-1 standard introducing classes Q0-Q5 for the load spectrum, U0-U9 for the number of work cycles, D0-D9 for averag displacements, P0-P3 for auxiliary movements, S0-S9 for load history
- The FEM 9.755 standard (Fédération Européenne de la Manutention) introduces 8 Classification 1Dm, 1Cm, 1Bm, 1Am, 2m, 3m, 4m, 5m identical to and interchangeable with the classification according to ISO 4301

Determination of the intensity group of the mechanism (Classification)

In order to determine the classification group of the mechanism (according to ISO 4301-1), two factors must be considered:

- operating class describing the intensity of use by determining the number of duty cycles or average daily operating time,
- load class L describing the multiplicity of loads that are part of the crane's lifting capacity.

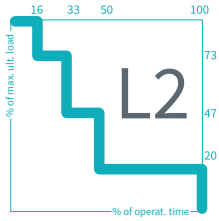
Mechanism load class L



L1-LIGHT

Occasional heavy load. Usually light load. Low constant load.

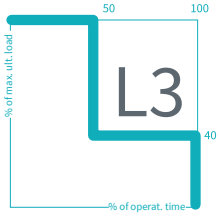
Working class - average daily working time [h]	≤ 2	2-4	4-8	8-16	≤ 16	> 16
Recommended Classification mechanism	1Bm (M3)	1Am (M4)	2m (M5)	3m (M6)	4m (M7)	5m (M8)



L2-MEDIUM

Occasional heavy load. Usually light load. Medium constant load.

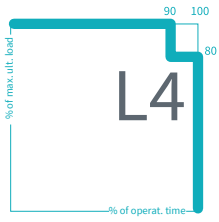
Working class - average daily working time [h]	≤ 2	2-4	4-8	8-16	≤ 16	> 16
Recommended Classification mechanism	1Bm (M3)	1Am (M4)	2m (M5)	3m (M6)	4m (M7)	5m (M8)



L3-HEAVY DUTY

Repetitive full load. Usually medium load. Heavy permanent load.

Working class - average daily working time [h]	≤ 2	2-4	4-8	8-16	≤ 16	> 16
Recommended Classification mechanism	1Bm (M3)	1Am (M4)	2m (M5)	3m (M6)	4m (M7)	5m (M8)



L4-VERY HEAVY DUTY

Usually almost full load. Very heavy permanent load.

Working class - average daily working time [h]	≤ 2	2-4	4-8	8-16	≤ 16	> 16
Recommended Classification mechanism	1Bm (M3)	1Am (M4)	2m (M5)	3m (M6)	4m (M7)	5m (M8)

Classification mechanism	1Bm (M3)	1Am (M4)	2m (M5)	3m (M6)	4m (M7)
Load type	Estimated working time [h]				
L1	3 200	6 300	12 500	25 000	50 000
L2	1 600	3 200	6 300	12 500	25 000
L3	800	1 600	3 200	6 300	12 500
L4	400	800	1 600	3 200	6 300

The average theoretical service life of mass-produced lifting mechanisms should be 10 years.
Taking into account the load class, the following theoretical service life, expressed in the total number of hours worked, can be assigned to mechanisms with a specific classification group.
It should be noted that each subsequent higher classification group means twice the theoretical service life.
Similarly, each subsequent load class L means twice as short theoretical service life.

Permissible number of cycles and working time for individual classification groups

Classification equipment	Intermittent operation number of cycles/h	Intermittent operation number of starts/h	Working with short breaks duration min per hour
1Bm (M3)	25	250	15
1Am (M4)	30	180	15
2m (M5)	40	240	30
3m (M6)	50	300	30
4m (M7)	60	360	60
5m (M8)	60	360	> 60

Knowing the classification group of the device, it is possible to determine the permissible number of duty cycles and the duration of operation with short breaks based on the following table.

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Anti-corrosion protection

The offered products are protected against corrosion by machine shot blasting and two-layer spray painting of finished structures with appropriately selected paint and primer.

The finish described above provides, in accordance with PN EN ISO 12944-2:2001, a corrosivity class of C2.

Finishes with a higher corrosivity class are available as options on request.

An alternative method of anti-corrosion protection used on selected products and elements is zinc coatings applied by fire or galvanic methods.

Minimizing the risk of rapid corrosion of our products starts at the design and production stage and includes:

- selection of materials taking into account corrosion resistance,
- simplification of the structure - reduction of the number of places of potential corrosion centers,
- Joint analysis (reducing the number of rivets, welds and bolted connections),
- Selection of anti-corrosion protection technologies at the production stage.

Color

Primary color:

RAL 1007 daffodil yellow

Complementary colors:

RAL 2008 orange
RAL 2020 cuban red
RAL 9010 Alpine white
RAL 7035 light gray
RAL 7043 dark gray
RAL 9004 signal black
RAL 5005 signal blue
RAL 5002 ultramarine
RAL 6001 Emerald Green
RAL 1013 pearl white

Samples of the above colors are shown in the picture on the right.
It is possible to finish our products with any other color available on the market.

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MIPROMET

Series ALPHA
Mobile jib cranes

miproCrane

ALPHA 100 Mobile slewing jib crane

Declaration of conformity 2006/42/EC manufactured according to Directive

EN 60204/32 meets the Standard

Made in EU

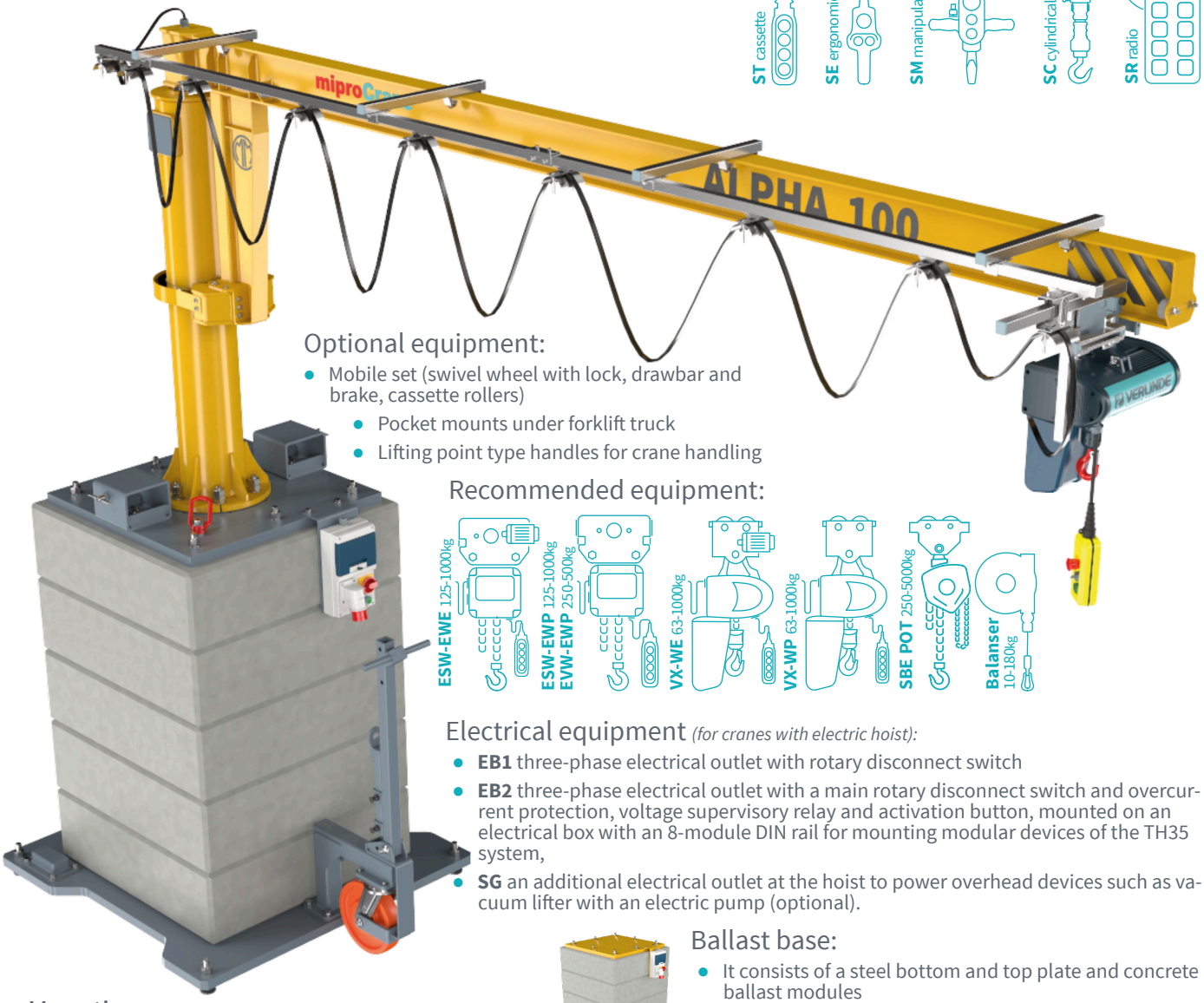
EN 13001 meets the Standard

30 days Shipping DATE

360° WLL 1,0 t Arm beam profile A5 classification

Control:

ST cassette, SE ergonomical, SM manipulator, SC cylindrical, SR radio



Optional equipment:

- Mobile set (swivel wheel with lock, drawbar and brake, cassette rollers)
  - Pocket mounts under forklift truck
  - Lifting point type handles for crane handling

Recommended equipment:

Electrical equipment *(for cranes with electric hoist):*

- **EB1** three-phase electrical outlet with rotary disconnect switch
- **EB2** three-phase electrical outlet with a main rotary disconnect switch and overcurrent protection, voltage supervisory relay and activation button, mounted on an electrical box with an 8-module DIN rail for mounting modular devices of the TH35 system,
- **SG** an additional electrical outlet at the hoist to power overhead devices such as vacuum lifter with an electric pump (optional).

Ballast base:

- It consists of a steel bottom and top plate and concrete ballast modules
- Number of modules selected according to load capacity and overhang
- Disassemblable base for easy assembly, transportation, possible expansion

Mounting:

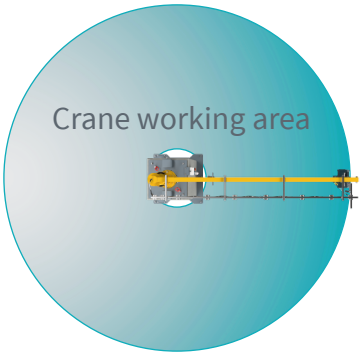
- **MB** ballast-crane not attached to the ground
- Runnable (unloaded) when equipped with a wheelset
- Support - adjustable swing feet
- Requires a firm stable substrate

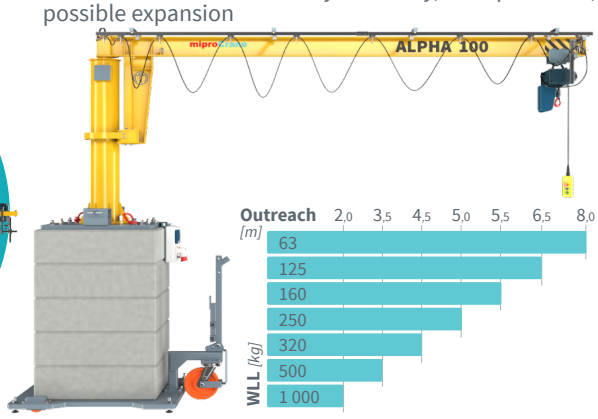
Arm rotation:

- **NB** manual drive

Limitation of the working area:

- **SO-A** fixed arm rotation limiter, screwed to the column during installation
- **SO** adjustable limiter (option)
- **SB** arm rotation lock (option)
- **SP** arm rotation retarder





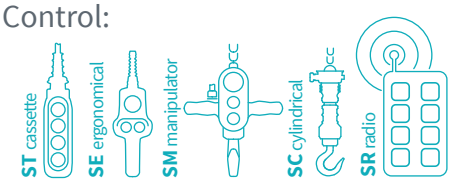
A detailed description of equipment and options can be found on pages 32-38

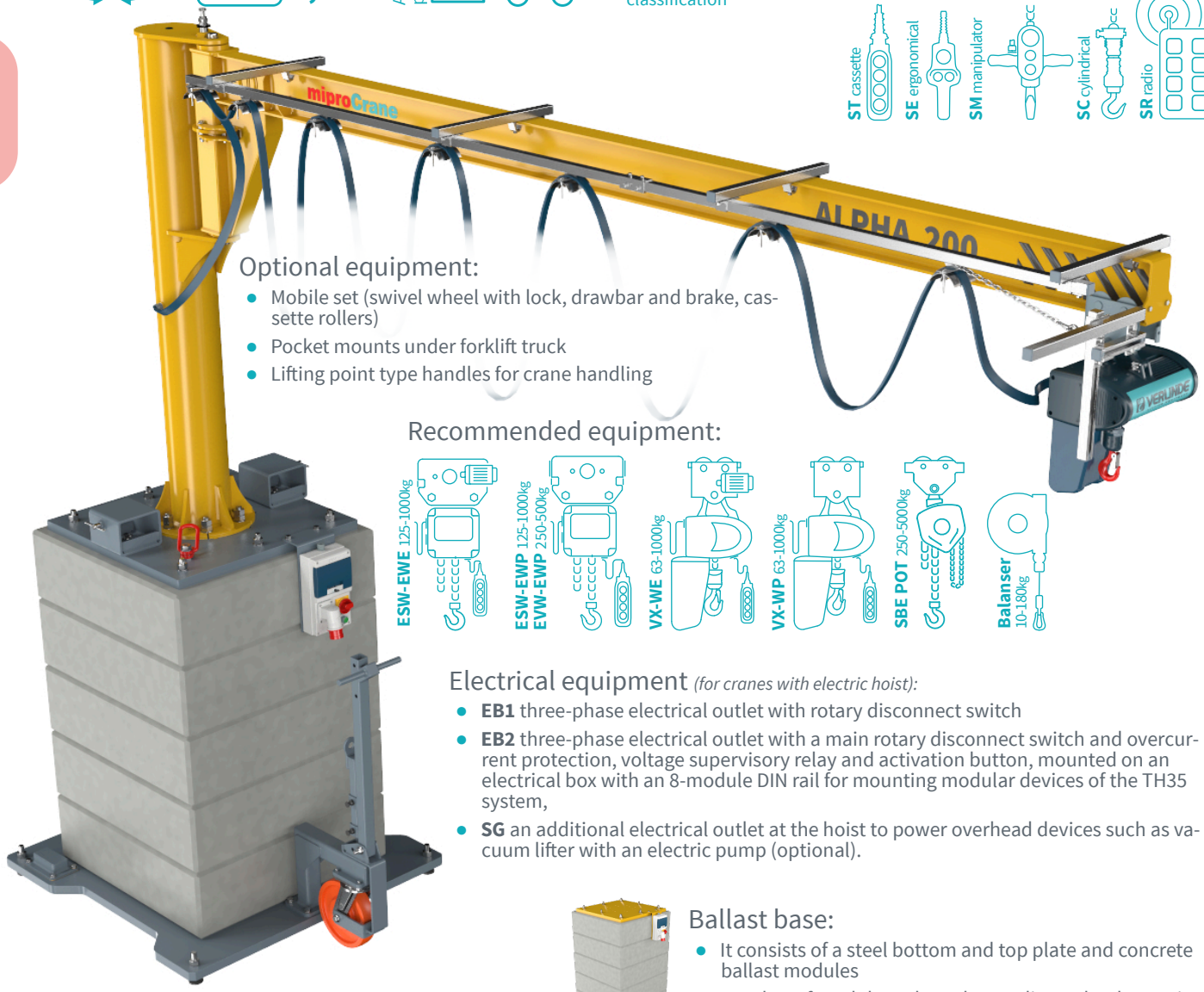
ALPHA 200 Mobile slewing jib crane

Declaration of conformity 2006/42/EC manufactured according to Directive
EN 60204/32 meets the Standard
Made in EU
EN 13001 meets the Standard
30 days Shipping DATE

270° WLL 0,5 t Arm beam profile A5 classification

Control:





Optional equipment:

- Mobile set (swivel wheel with lock, drawbar and brake, cassette rollers)
- Pocket mounts under forklift truck
- Lifting point type handles for crane handling

Recommended equipment:

Electrical equipment *(for cranes with electric hoist):*

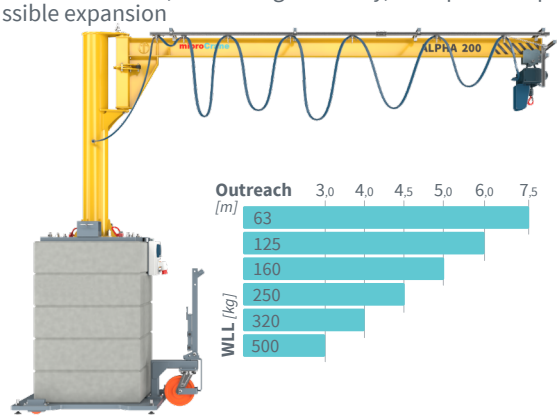
- **EB1** three-phase electrical outlet with rotary disconnect switch
- **EB2** three-phase electrical outlet with a main rotary disconnect switch and overcurrent protection, voltage supervisory relay and activation button, mounted on an electrical box with an 8-module DIN rail for mounting modular devices of the TH35 system,
- **SG** an additional electrical outlet at the hoist to power overhead devices such as vacuum lifter with an electric pump (optional).

Ballast base:

- It consists of a steel bottom and top plate and concrete ballast modules
- Number of modules selected according to load capacity and overhang
- Detachable base, facilitating assembly, transport and possible expansion

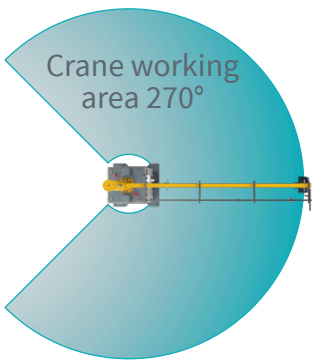
Mounting:

- **MB** ballast-crane not attached to the ground
- Runnable (unloaded) when equipped with a wheelset
- Support - adjustable swing feet
- Requires a firm stable substrate



Limitation of the working area:

- **SO-B** adjustable arm rotation limiter (bumper), mounted on the arm
- **SB** arm rotation lock (option)
- **SP** arm rotation retarder



Arm rotation:

- **NB** manual drive

A detailed description of equipment and options can be found on pages 32-38

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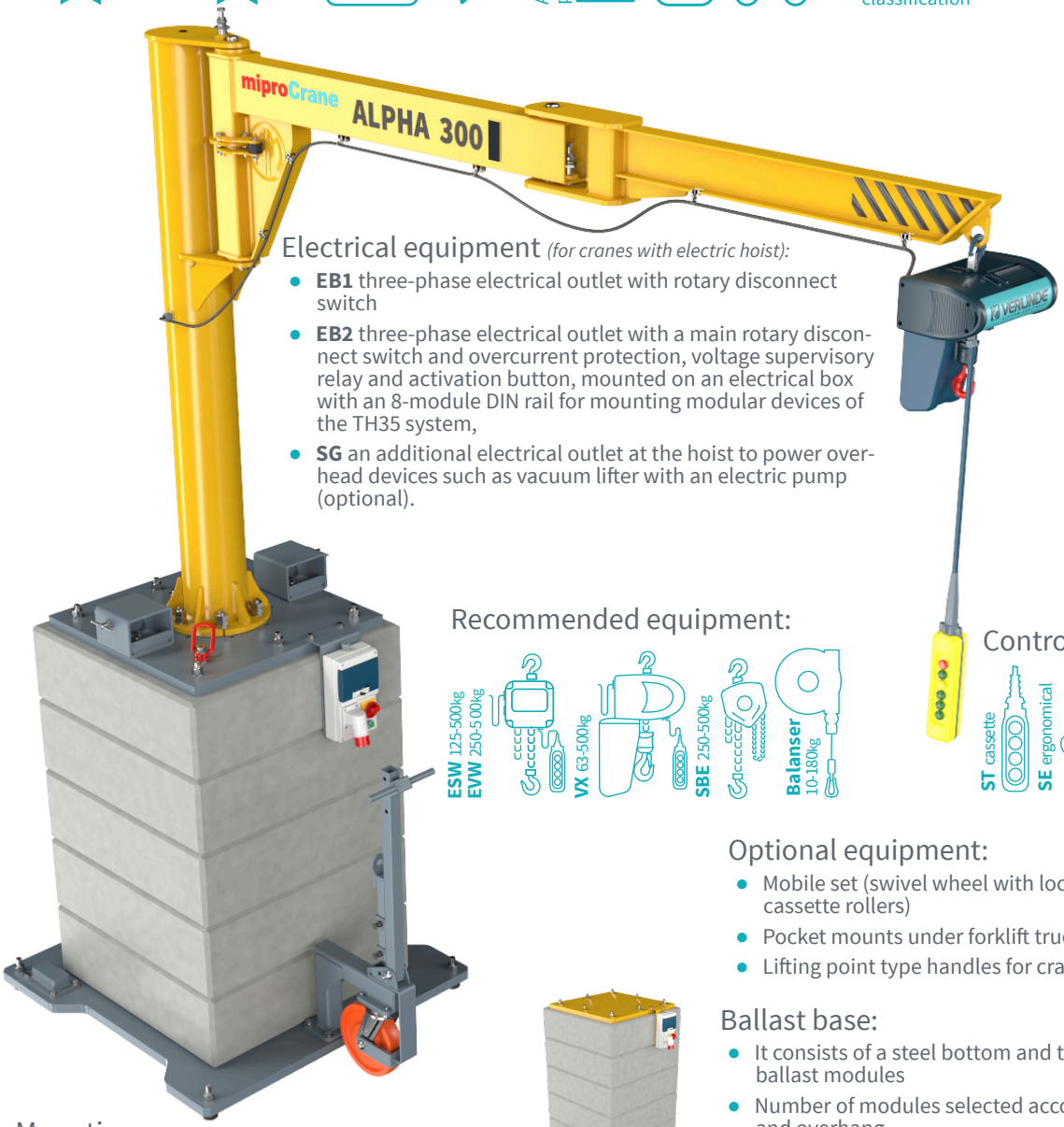
ALPHA 300 Mobile slewing jib crane

Declaration of conformity 2006/42/EC manufactured according to Directive
EN 60204/32 meets the Standard
Made in EU
EN 13001 meets the Standard
30 days Shipping DATE

270° 300° WLL 0,5 t Arm beam profile IPE A5 classification

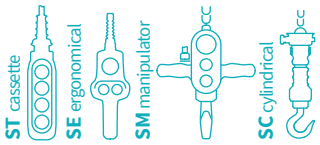


Electrical equipment *(for cranes with electric hoist):*

- **EB1** three-phase electrical outlet with rotary disconnect switch
- **EB2** three-phase electrical outlet with a main rotary disconnect switch and overcurrent protection, voltage supervisory relay and activation button, mounted on an electrical box with an 8-module DIN rail for mounting modular devices of the TH35 system,
- **SG** an additional electrical outlet at the hoist to power overhead devices such as vacuum lifter with an electric pump (optional).

Recommended equipment:

Control:



Optional equipment:

- Mobile set (swivel wheel with lock, drawbar and brake, cassette rollers)
- Pocket mounts under forklift truck
- Lifting point type handles for crane handling

Ballast base:

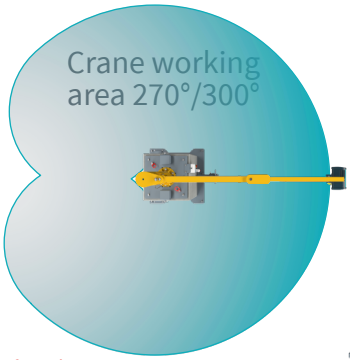
- It consists of a steel bottom and top plate and concrete ballast modules
- Number of modules selected according to load capacity and overhang
- Detachable base, facilitating assembly, transport and possible expansion

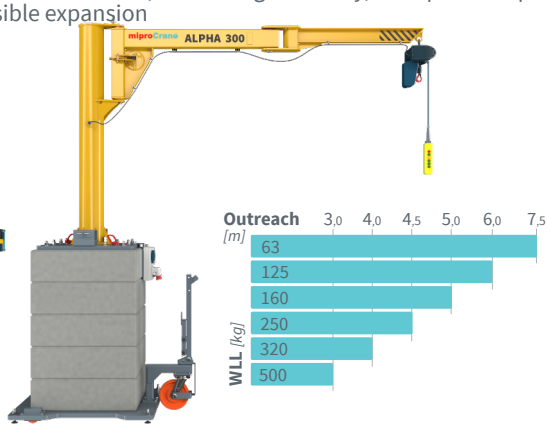
Mounting:

- **MB** ballast-crane not attached to the ground
- Runnable (unloaded) when equipped with a wheelset
- Support - adjustable swing feet
- Requires a firm stable substrate

Limitation of the working area:

- **SO-B** adjustable arm rotation limiter (bumper), mounted on the arm
- **SB** arm rotation lock (option)
- **SP** arm rotation retarder





Arm rotation:

- **NB** manual drive

A detailed description of equipment and options can be found on pages 32-38

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ALPHA 500 Mobile slewing jib crane

Declaration of conformity 2006/42/EC manufactured according to Directive

EN 60204/32 meets the Standard

Made in EU

EN 13001 meets the Standard

30 days Shipping DATE

270° WLL 125 kg Arm beam profile A3 classification

Arm beam profile:

- Cold-bent supporting channel (system)
- The trolleys move inside the profile
- Trolley and cable trolleys compatible with popular monorail suspended track systems

Mounting:

- **MB** ballast-crane not attached to the ground
- Suitable for transport with a forklift or pallet truck

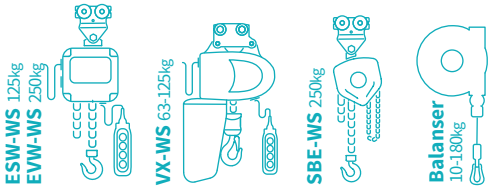
Arm rotation:

- **NB** manual drive

Optional equipment:

- **SP** arm rotation retarder
- **SB** rotation lock
- **SO-B** adjustable arm rotation limiter (bumper), mounted on the arm

Recommended equipment:



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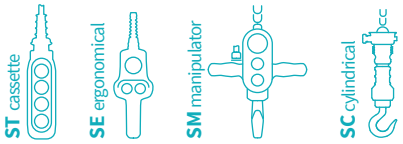

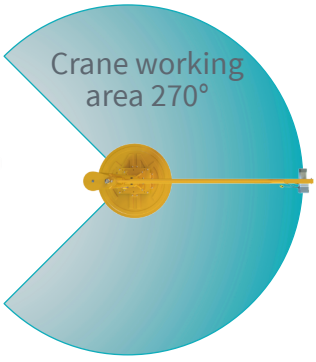

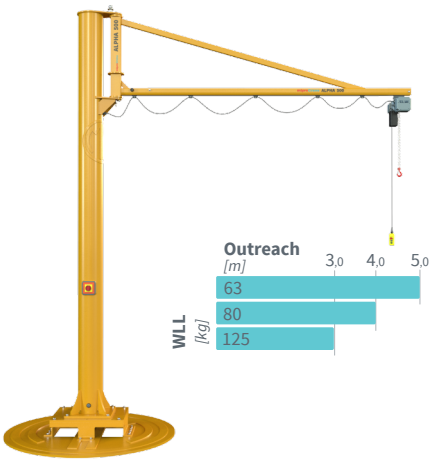

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miproCrane ALPHA crane inquiry form

MIPROMET

Company:

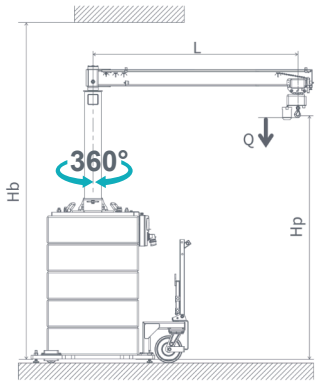
Contact person:

e-mail:

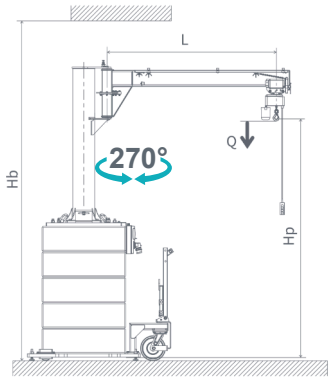
phone:

A. Selecting the type of crane:

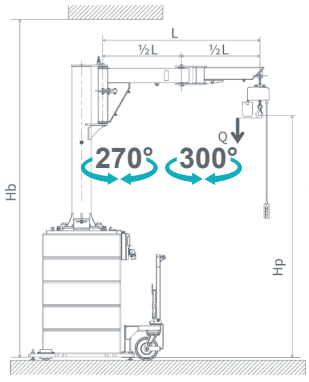
ALPHA 100 ☐
Mobile slewing jib crane



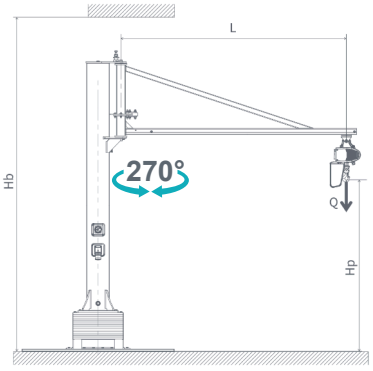
ALPHA 200 ☐
Mobile slewing jib crane



ALPHA 300 ☐
Mobile slewing jib crane



ALPHA 500 ☐
Mobile slewing jib crane



B. Performance parameters:

WLL Q: kg

Outreach L: mm

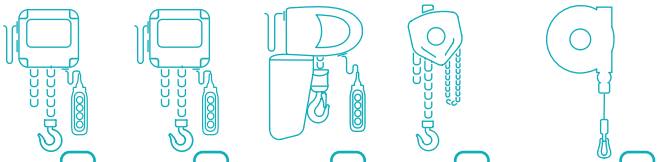
The height of raising Hp: mm

Room height Hb: mm

C. Terms of use:

inside ☐ outside ☐

D. Hoist:



ESW ☐ 125-5000kg
EVW ☐ 250-500kg
VX ☐ 63-2500kg
SBE ☐ 250-2000kg
Balanser ☐ 10-180kg

E. Trolley:

☐ manual push
☐ manual with manoeuvring chain
☐ electric

F. Arm rotation:

NB manual ☐

G. Color:

RAL 1007 yellow daffodil ☐	**RAL 2008** orange ☐	**RAL 3020** Cuban red ☐
RAL 9010 alpine white ☐	**RAL 7035** light grey ☐	**RAL 7043** dark gray ☐
RAL 9004 signal black ☐	**RAL 5002** ultramarine ☐	**RAL 6001** emerald green ☐

H. Additional equipment:

SP arm rotation retarder ☐	**SO-B** rotation limiter ☐	**SB** rotation lock ☐
KW Pocket mounts under forklift truck ☐	**ZK** wheel set ☐	**EB1** electrical box ☐
	SG additional electrical socket ☐	**EB2** electrical box ☐

I. Transport:

EXW supplier's warehouse ☐ **DAP** recipient's warehouse ☐

J. Assembly:

on the customer side ☐ on the supplier's side ☐

How to complete the form: Fill in the text fields in the part regarding the questioner's data and provide the desired operational parameters. You must select one checkbox in each group. The choice of equipment options is limited by the assumed operational parameters and properties of individual devices, described in the "Equipment, installation, options" chapter.

MIPROMET

Series BETA
Slewing jib cranes

miproCrane

BETA 100 Pillar-mounted slewing jib crane

Declaration of conformity 2006/42/EC manufactured according to Directive

Made in EU

EN 60204/32 meets the Standard

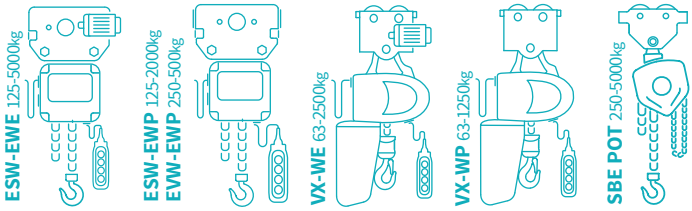
EN 13001 meets the Standard

30 days Shipping DATE *

360° WLL 5,0 t IPE Beam profile A5 classification

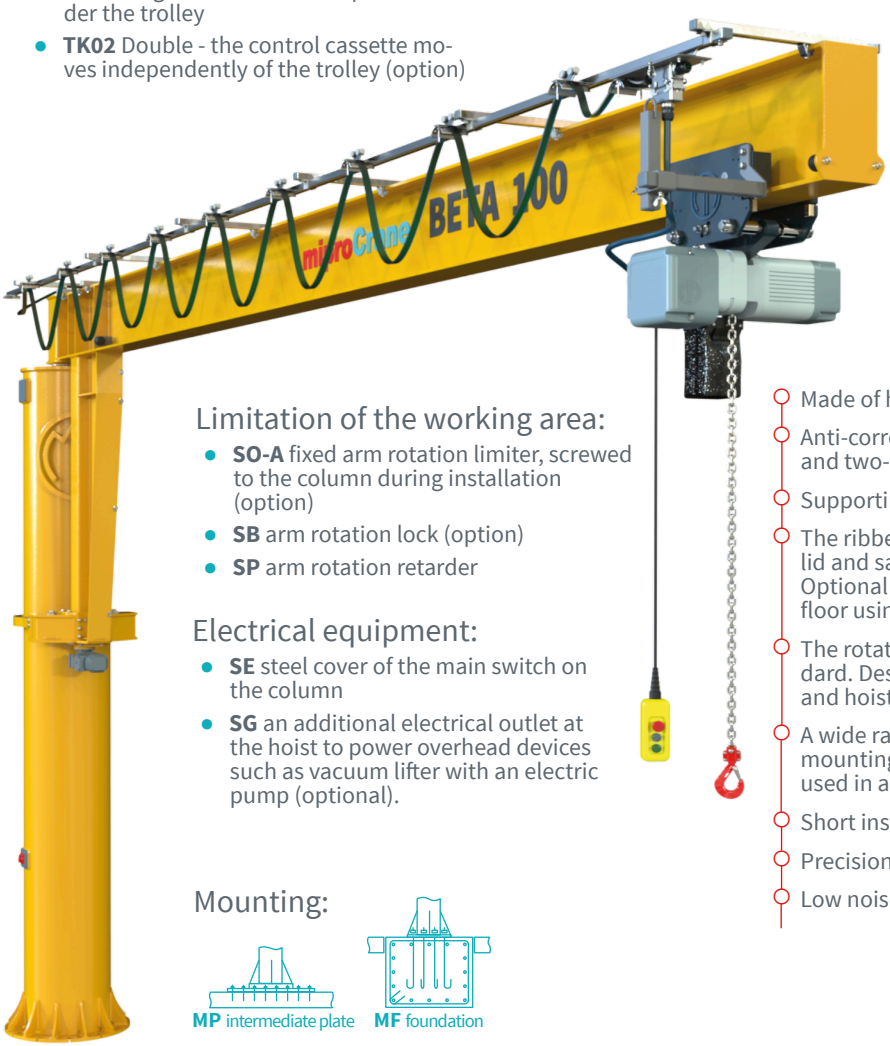
* if you choose an electric arm rotation drive, the delivery time may be extended to 60 days

Recommended equipment:

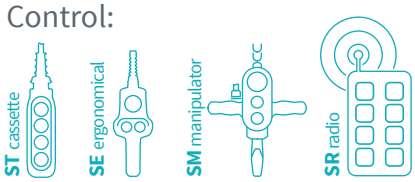


Cable route:

- **TK01** Single - control box suspended under the trolley
- **TK02** Double - the control cassette moves independently of the trolley (option)



Control:



Limitation of the working area:

- **SO-A** fixed arm rotation limiter, screwed to the column during installation (option)
- **SB** arm rotation lock (option)
- **SP** arm rotation retarder

Electrical equipment:

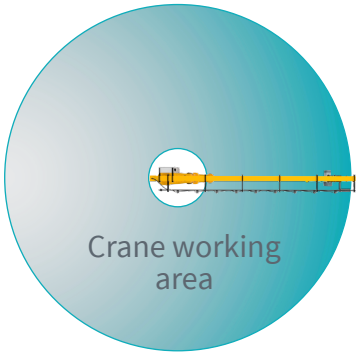
- **SE** steel cover of the main switch on the column
- **SG** an additional electrical outlet at the hoist to power overhead devices such as vacuum lifter with an electric pump (optional).

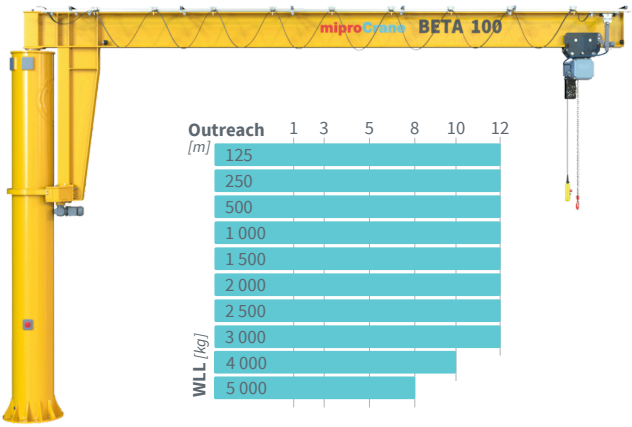
- Made of high-strength steel
- Anti-corrosion protection by machine shot-blasting and two-layer spray painting
- Supporting column made of steel pipe
- The ribbed foot of the supporting column ensures solid and safe attachment of the crane to the ground. Optional intermediate flange for installation on the floor using chemical anchors.
- The rotating crane arm is made of IPE profile as standard. Designed to work with a wide range of trolleys and hoists
- A wide range of mechanical design, equipment and mounting options allow our cranes to be effectively used in a wide range of industrial applications
- Short installation time, possibility of relocation
- Precision, speed, safety and comfort of operators
- Low noise level during use

Mounting:

Arm rotation:

- **NB** manual drive
- **ND** electromechanical friction drive with double rollers (option)
- **NG** upper drive with gear transmission in the arm rotation axis (option)





A detailed description of equipment and options can be found on pages 32-38

BETA 200 Pillar-mounted slewing jib crane

Declaration of conformity 2006/42/EC manufactured according to Directive

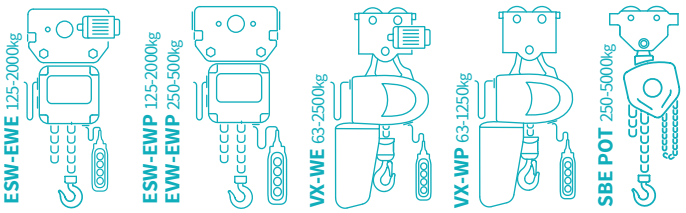
EN 60204/32 meets the Standard

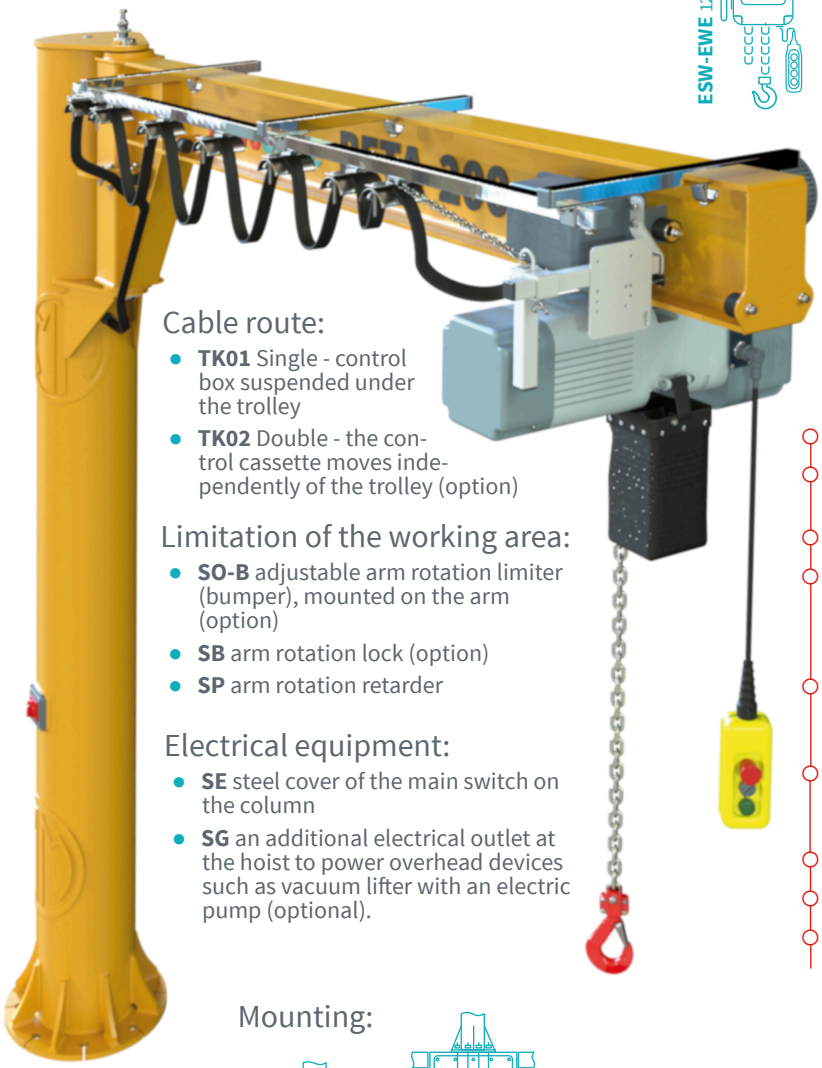
Made in EU EN 13001 meets the Standard

30 days Shipping DATE

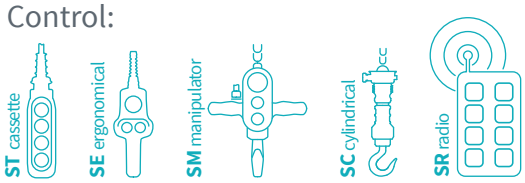
270° WLL 2,0 t IPE Beam profile A5 classification

Recommended equipment:





Control:



Cable route:

- **TK01** Single - control box suspended under the trolley
- **TK02** Double - the control cassette moves independently of the trolley (option)

Limitation of the working area:

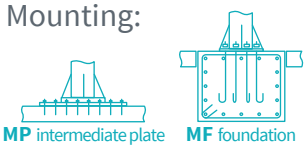
- **SO-B** adjustable arm rotation limiter (bumper), mounted on the arm (option)
- **SB** arm rotation lock (option)
- **SP** arm rotation retarder

Electrical equipment:

- **SE** steel cover of the main switch on the column
- **SG** an additional electrical outlet at the hoist to power overhead devices such as vacuum lifter with an electric pump (optional).

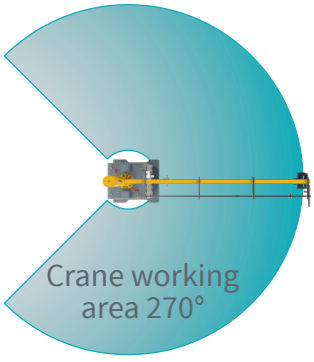
- Made of high-strength steel
- Anti-corrosion protection by machine shot-blasting and two-layer spray painting
- Supporting column made of steel pipe
- The ribbed foot of the supporting column ensures solid and safe attachment of the crane to the ground. Optional intermediate flange for installation on the floor using chemical anchors.
- The rotating crane arm is made of IPE profile as standard. Designed to work with a wide range of trolleys and hoists
- A wide range of mechanical design, equipment and mounting options allow our cranes to be effectively used in a wide range of industrial applications
- Short installation time, possibility of relocation
- Precision, speed, safety and comfort of operators
- Low noise level during use

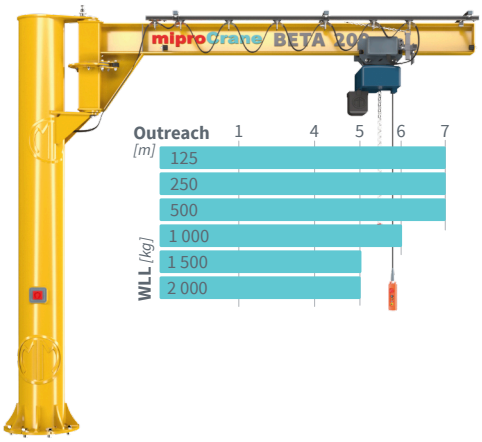
Mounting:



Arm rotation:

- **NB** manual drive





A detailed description of equipment and options can be found on pages 32-38

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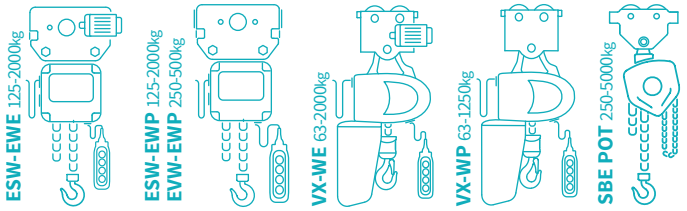
MCRA-2023 v.01

BETA 250 Pillar-mounted slewing jib crane

Declaration of conformity 2006/42/EC manufactured according to Directive
EN 60204/32 meets the Standard
Made in EU
EN 13001 meets the Standard
30 days Shipping DATE

360° WLL 2,0 t IPE Beam profile A5 classification

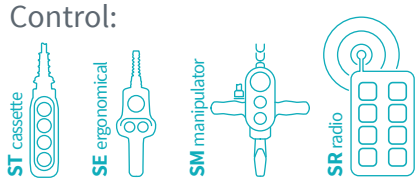
Recommended equipment:

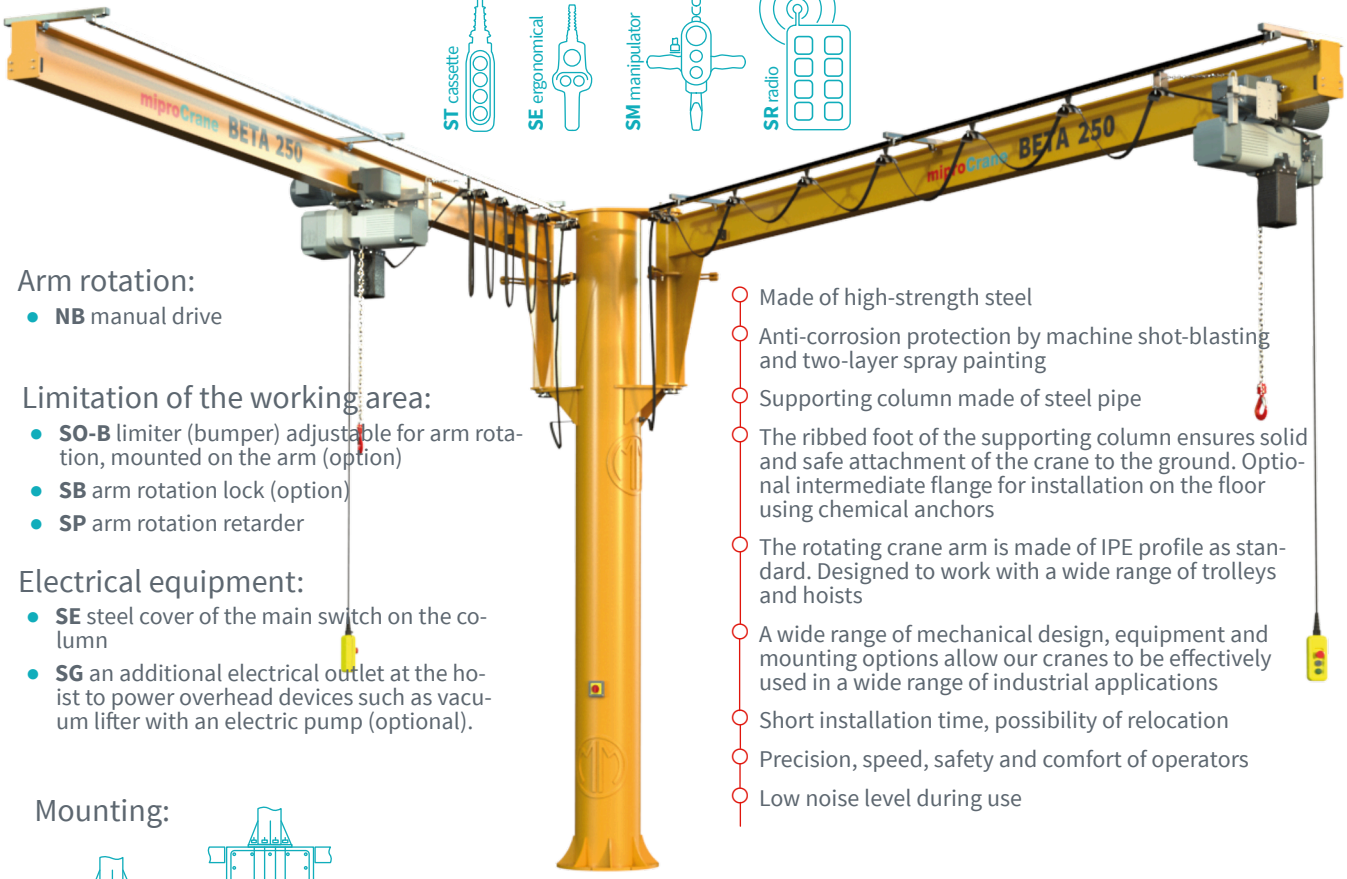


Cable route:

- **TK01** Single - control box suspended under the trolley
- **TK02** Double - the control cassette moves independently of the trolley (option)

Control:





Arm rotation:

- **NB** manual drive

Limitation of the working area:

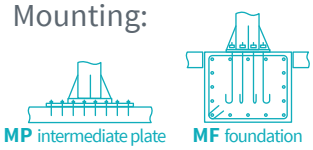
- **SO-B** limiter (bumper) adjustable for arm rotation, mounted on the arm (option)
- **SB** arm rotation lock (option)
- **SP** arm rotation retarder

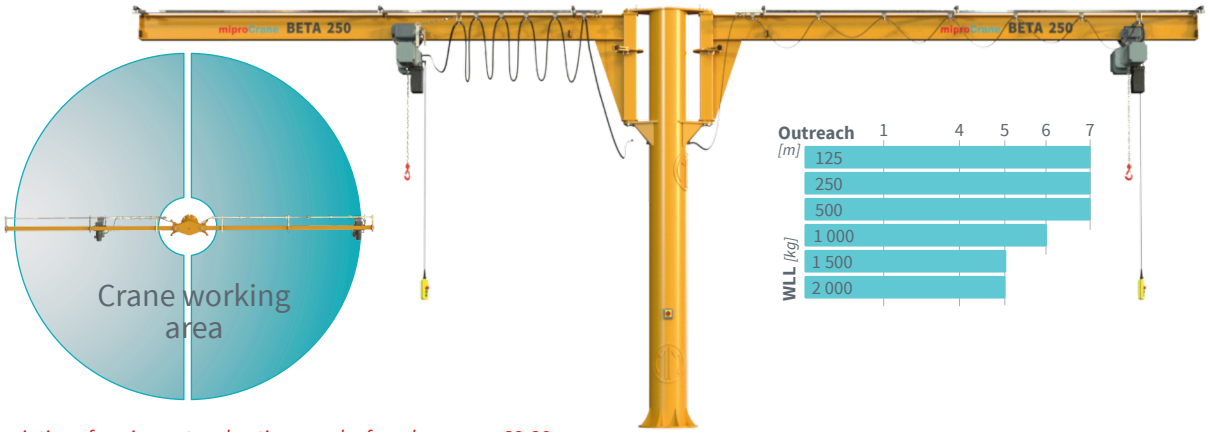
Electrical equipment:

- **SE** steel cover of the main switch on the column
- **SG** an additional electrical outlet at the hoist to power overhead devices such as vacuum lifter with an electric pump (optional).

- Made of high-strength steel
- Anti-corrosion protection by machine shot-blasting and two-layer spray painting
- Supporting column made of steel pipe
- The ribbed foot of the supporting column ensures solid and safe attachment of the crane to the ground. Optional intermediate flange for installation on the floor using chemical anchors
- The rotating crane arm is made of IPE profile as standard. Designed to work with a wide range of trolleys and hoists
- A wide range of mechanical design, equipment and mounting options allow our cranes to be effectively used in a wide range of industrial applications
- Short installation time, possibility of relocation
- Precision, speed, safety and comfort of operators
- Low noise level during use

Mounting:



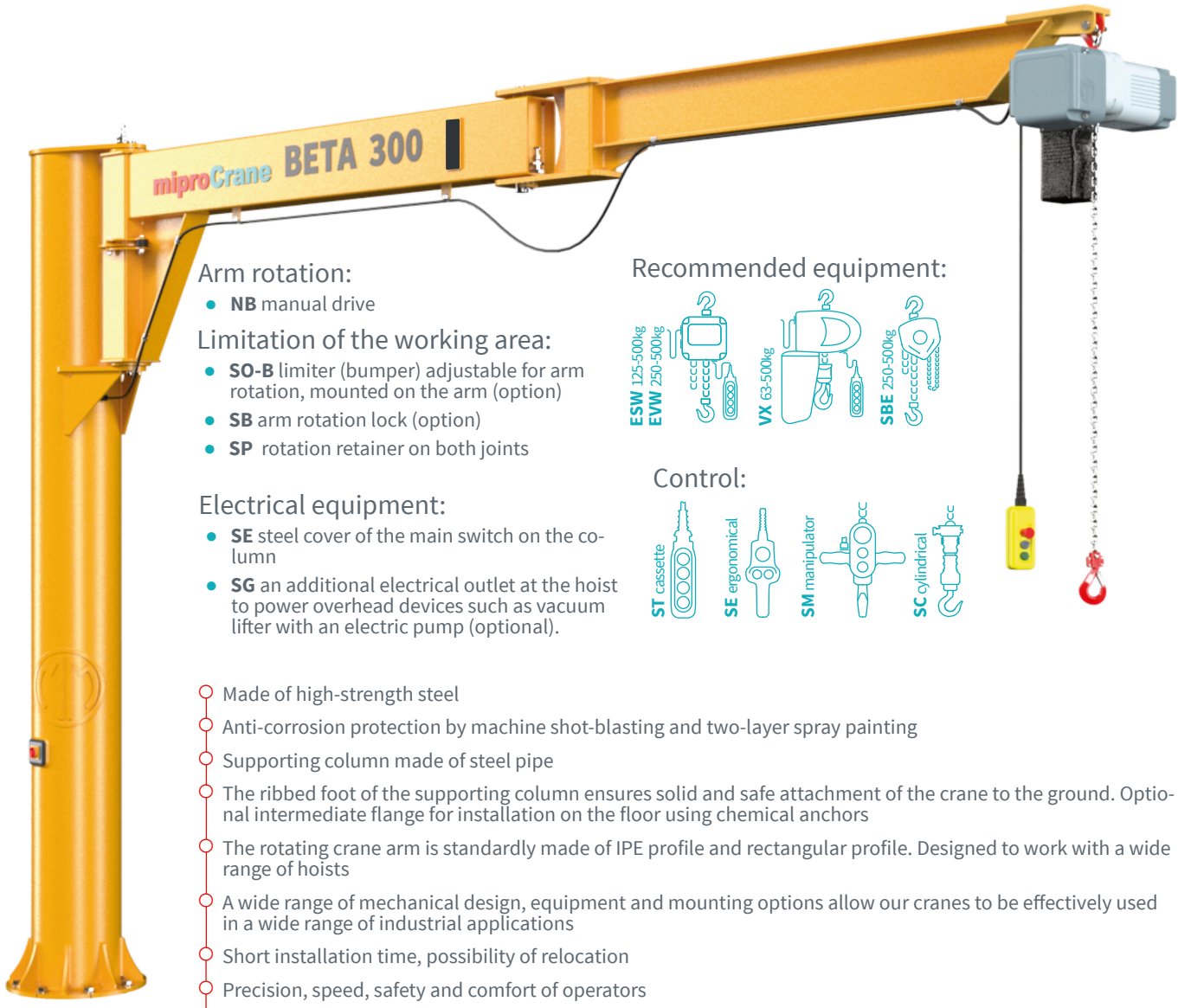


A detailed description of equipment and options can be found on pages 32-38

BETA 300 Pillar-mounted slewing jib crane

Declaration of conformity 2006/42/EC manufactured according to Directive
EN 60204/32 meets the Standard
Made in EU
EN 13001 meets the Standard
30 days Shipping DATE

270° 300° WLL 500 kg Arm beam profile I A5 classification



Arm rotation:

- **NB** manual drive

Limitation of the working area:

- **SO-B** limiter (bumper) adjustable for arm rotation, mounted on the arm (option)
- **SB** arm rotation lock (option)
- **SP** rotation retainer on both joints

Electrical equipment:

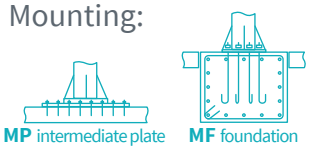
- **SE** steel cover of the main switch on the column
- **SG** an additional electrical outlet at the hoist to power overhead devices such as vacuum lifter with an electric pump (optional).

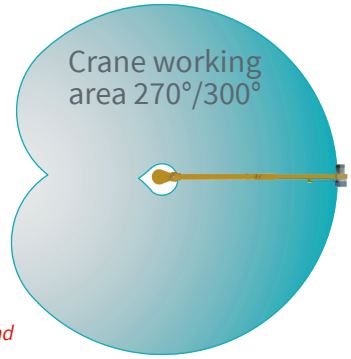
Recommended equipment:

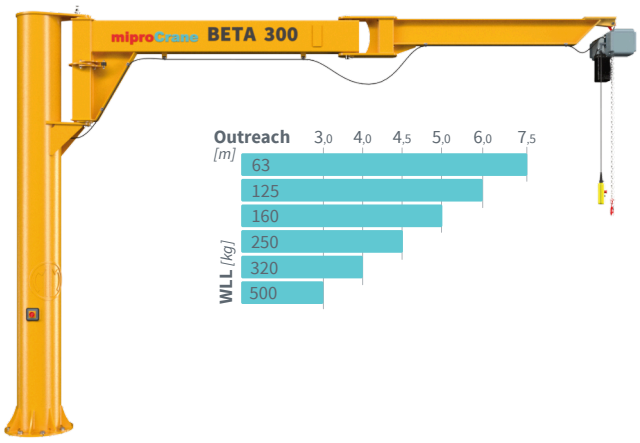
Control:

- Made of high-strength steel
- Anti-corrosion protection by machine shot-blasting and two-layer spray painting
- Supporting column made of steel pipe
- The ribbed foot of the supporting column ensures solid and safe attachment of the crane to the ground. Optional intermediate flange for installation on the floor using chemical anchors
- The rotating crane arm is standardly made of IPE profile and rectangular profile. Designed to work with a wide range of hoists
- A wide range of mechanical design, equipment and mounting options allow our cranes to be effectively used in a wide range of industrial applications
- Short installation time, possibility of relocation
- Precision, speed, safety and comfort of operators
- Low noise level during use

Mounting:







A detailed description of equipment and options can be found on pages 32-38

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MCRA-2023 v.01

BETA 400 Pillar-mounted slewing jib crane

Declaration of conformity 2006/42/EC manufactured according to Directive

EN 60204/32 meets the Standard

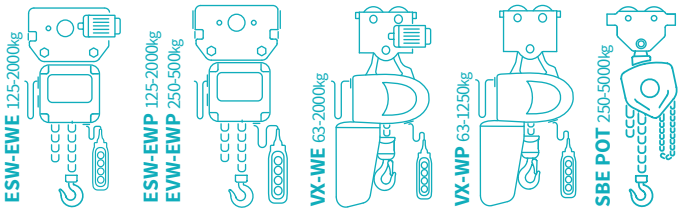
Made in EU

EN 13001 meets the Standard

30 days Shipping DATE

270° WLL 2,0 t IPE Beam profile A5 classification

Recommended equipment:

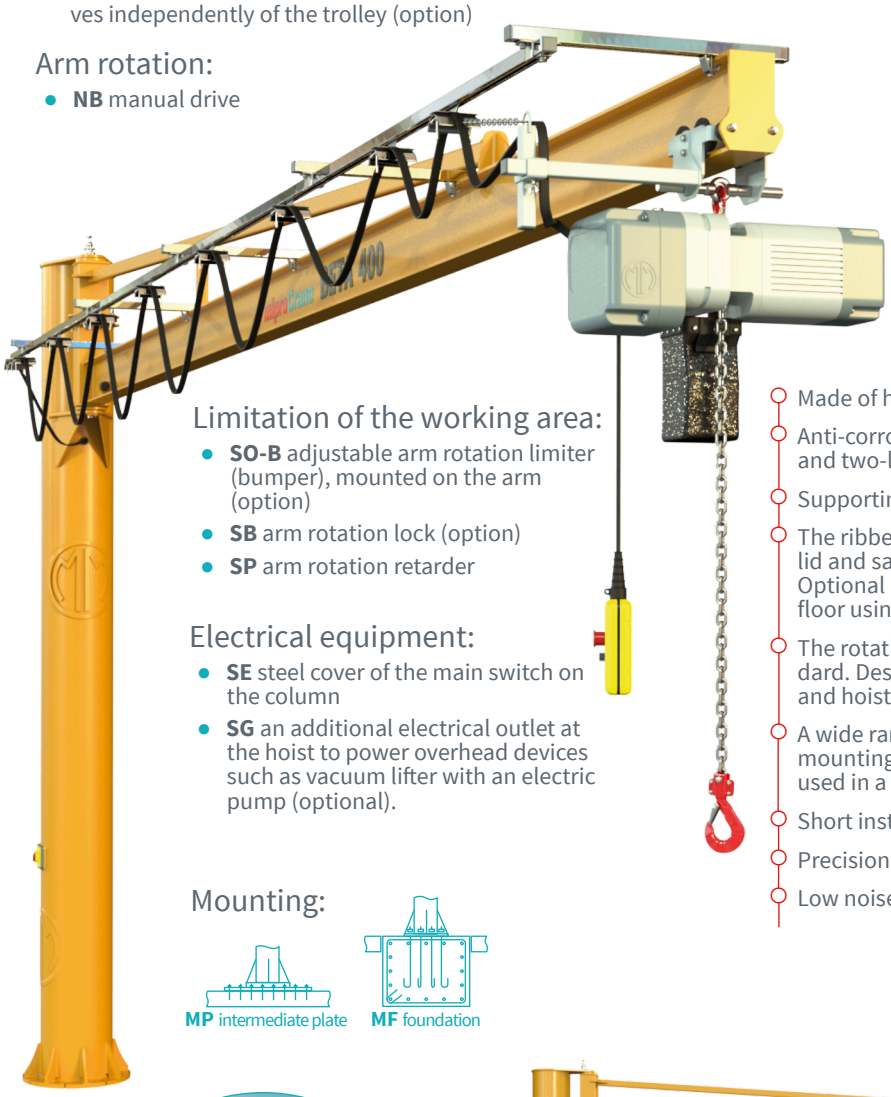


Cable route:

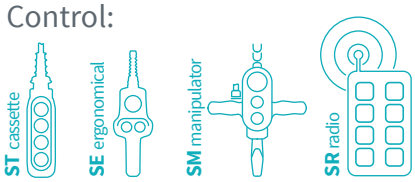
- **TK01** Single - control box suspended under the trolley
- **TK02** Double - the control cassette moves independently of the trolley (option)

Arm rotation:

- **NB** manual drive



Control:



Limitation of the working area:

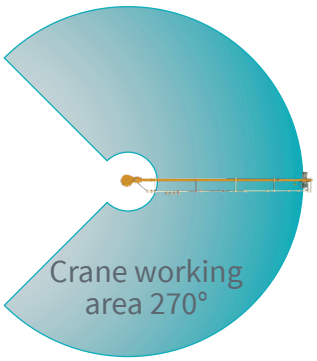
- **SO-B** adjustable arm rotation limiter (bumper), mounted on the arm (option)
- **SB** arm rotation lock (option)
- **SP** arm rotation retarder

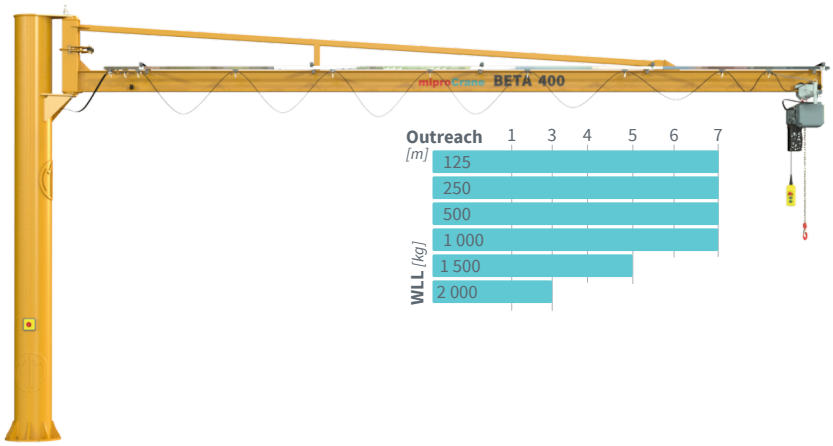
Electrical equipment:

- **SE** steel cover of the main switch on the column
- **SG** an additional electrical outlet at the hoist to power overhead devices such as vacuum lifter with an electric pump (optional).

- Made of high-strength steel
- Anti-corrosion protection by machine shot-blasting and two-layer spray painting
- Supporting column made of steel pipe
- The ribbed foot of the supporting column ensures solid and safe attachment of the crane to the ground. Optional intermediate flange for installation on the floor using chemical anchors
- The rotating crane arm is made of IPE profile as standard. Designed to work with a wide range of trolleys and hoists
- A wide range of mechanical design, equipment and mounting options allow our cranes to be effectively used in a wide range of industrial applications
- Short installation time, possibility of relocation
- Precision, speed, safety and comfort of operators
- Low noise level during use

Mounting:





A detailed description of equipment and options can be found on pages 32-38

BETA 500 Pillar-mounted slewing jib crane

Declaration of conformity 2006/42/EC manufactured according to Directive

EN 60204/32 meets the Standard

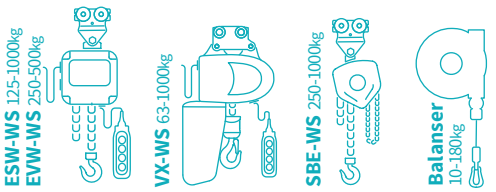
Made in EU

EN 13001 meets the Standard

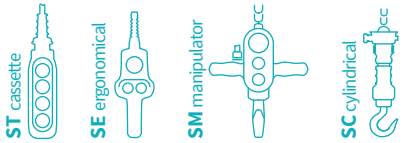
30 days Shipping DATE

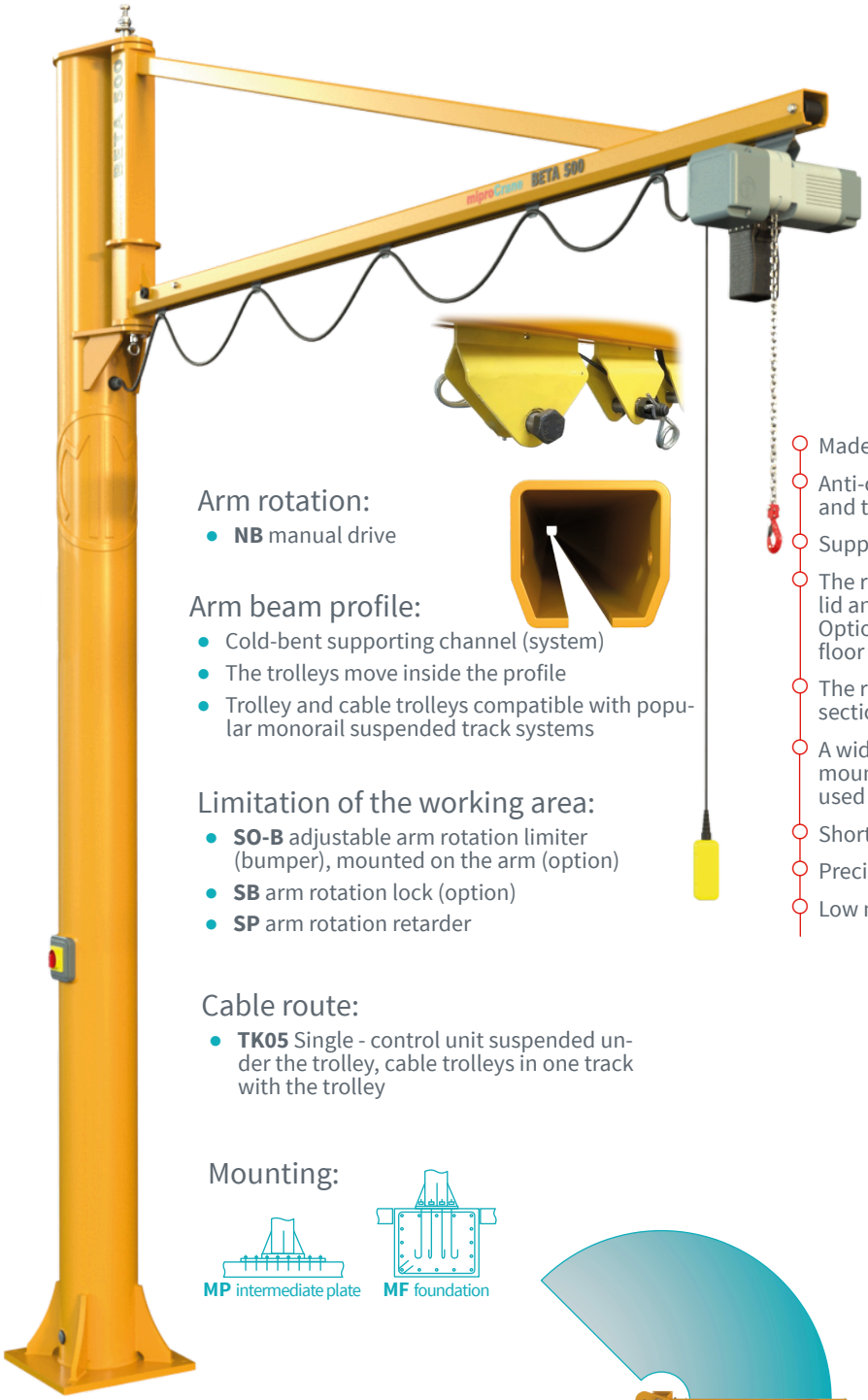
270° WLL 1,0 t Arm beam profile A3 classification

Recommended equipment:



Control:





- Made of high-strength steel
- Anti-corrosion protection by machine shot-blasting and two-layer spray painting
- Supporting column made of steel pipe
- The ribbed foot of the supporting column ensures solid and safe attachment of the crane to the ground. Optional intermediate flange for installation on the floor using chemical anchors
- The rotating crane arm is usually made of cold-bent C-section
- A wide range of mechanical design, equipment and mounting options allow our cranes to be effectively used in a wide range of industrial applications
- Short installation time, possibility of relocation
- Precision, speed, safety and comfort of operators
- Low noise level during use

Arm rotation:

- **NB** manual drive

Arm beam profile:

- Cold-bent supporting channel (system)
- The trolleys move inside the profile
- Trolley and cable trolleys compatible with popular monorail suspended track systems

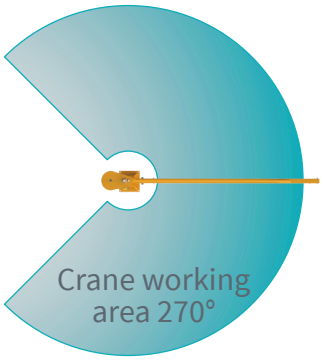
Limitation of the working area:

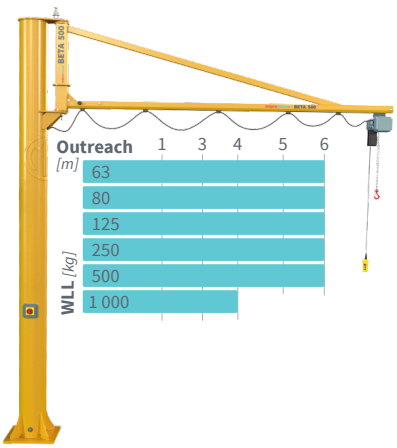
- **SO-B** adjustable arm rotation limiter (bumper), mounted on the arm (option)
- **SB** arm rotation lock (option)
- **SP** arm rotation retarder

Cable route:

- **TK05** Single - control unit suspended under the trolley, cable trolleys in one track with the trolley

Mounting:





A detailed description of equipment and options can be found on pages 32-38

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tel./fax +48 12 388 50 15, export@mipromet.eu

MCRA-2023 v.01

Company:

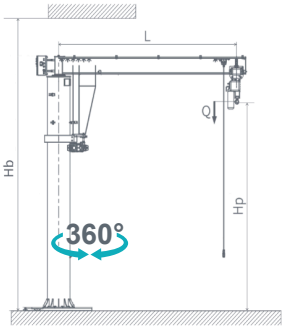
Contact person:

e-mail:

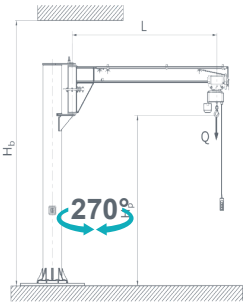
phone:

A. Selecting the type of crane:

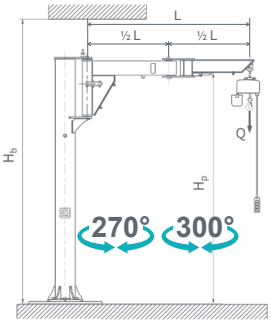
BETA 100 ☐
Pillar-mounted slewing jib crane



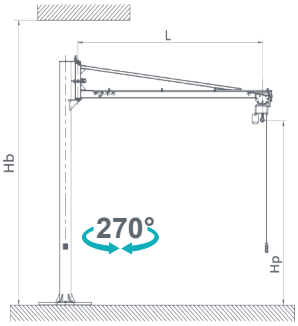
BETA 200 ☐
Pillar-mounted slewing jib crane



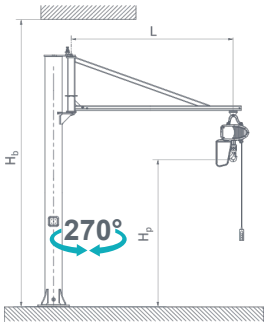
BETA 300 ☐
Pillar-mounted slewing jib crane



BETA 400 ☐
Pillar-mounted slewing jib crane



BETA 500 ☐
Pillar-mounted slewing jib crane



B. Performance parameters:

WLL Q: kg

Outreach L: mm

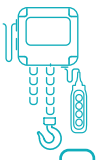
The height of raising Hp: mm

Room height Hb: mm

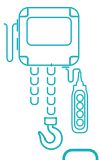
C. Terms of use:

inside ☐ outside ☐

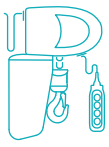
D. Hoist:



ESW ☐ 125-5000kg



EVW ☐ 250-500kg



VX ☐ 63-2500kg

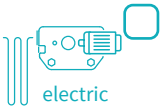
SBE ☐ 250-2000kg

Balanser ☐ 10-180kg

E. Trolley:

☐ manual push

☐ manual with manoeuvring chain



☐ electric

F. Arm rotation:

NB manual ☐

(only BETA 100) **ND** electric frictional ☐

(only BETA 100) **NG** electric gear ☐

G. Cable route:

TK01 Single ☐

TK02 Double ☐

(only BETA 500) **TK05** Single ☐

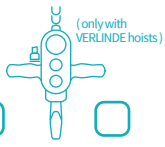
H. Color:

RAL 1007 yellow daffodil ☐	**RAL 2008** orange ☐	**RAL 3020** Cuban red ☐
RAL 9010 alpine white ☐	**RAL 7035** light grey ☐	**RAL 7043** dark gray ☐
RAL 9004 signal black ☐	**RAL 5002** ultramarine ☐	**RAL 6001** emerald green ☐

I. Control:

ST cassette ☐

SE ergonomical ☐



SM manipulator ☐

SR radio ☐

SC cylindrical ☐

J. Additional equipment:

SP arm rotation retarder ☐

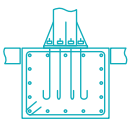
SO-B rotation limiter ☐

SB rotation lock ☐

SG additional electrical socket ☐

SE cover switch ☐

K. Mounting:



MF foundation ☐

MP intermediate plate ☐

L. Transport:

EXW supplier's warehouse ☐

DAP recipient's warehouse ☐

M. Assembly:

on the customer side ☐

on the supplier's side ☐

How to complete the form: Fill in the text fields in the part regarding the questioner's data and provide the desired operational parameters. You must select one checkbox in each group. The choice of equipment options is limited by the assumed operational parameters and properties of individual devices, described in the "Equipment, installation, options" chapter.

Mipromet Ltd ul. Dluga 63, 32-091 Maslomiaca
tel./fax +48 12 388 50 15, export@mipromet.eu

MIPROMET

Series GAMMA
Slewing jib crane wall-mounted

miproCrane

GAMMA 200 Slewing jib crane wall-mounted

Declaration of conformity 2006/42/EC manufactured according to Directive

EN 60204/32 meets the Standard

Made in EU

EN 13001 meets the Standard

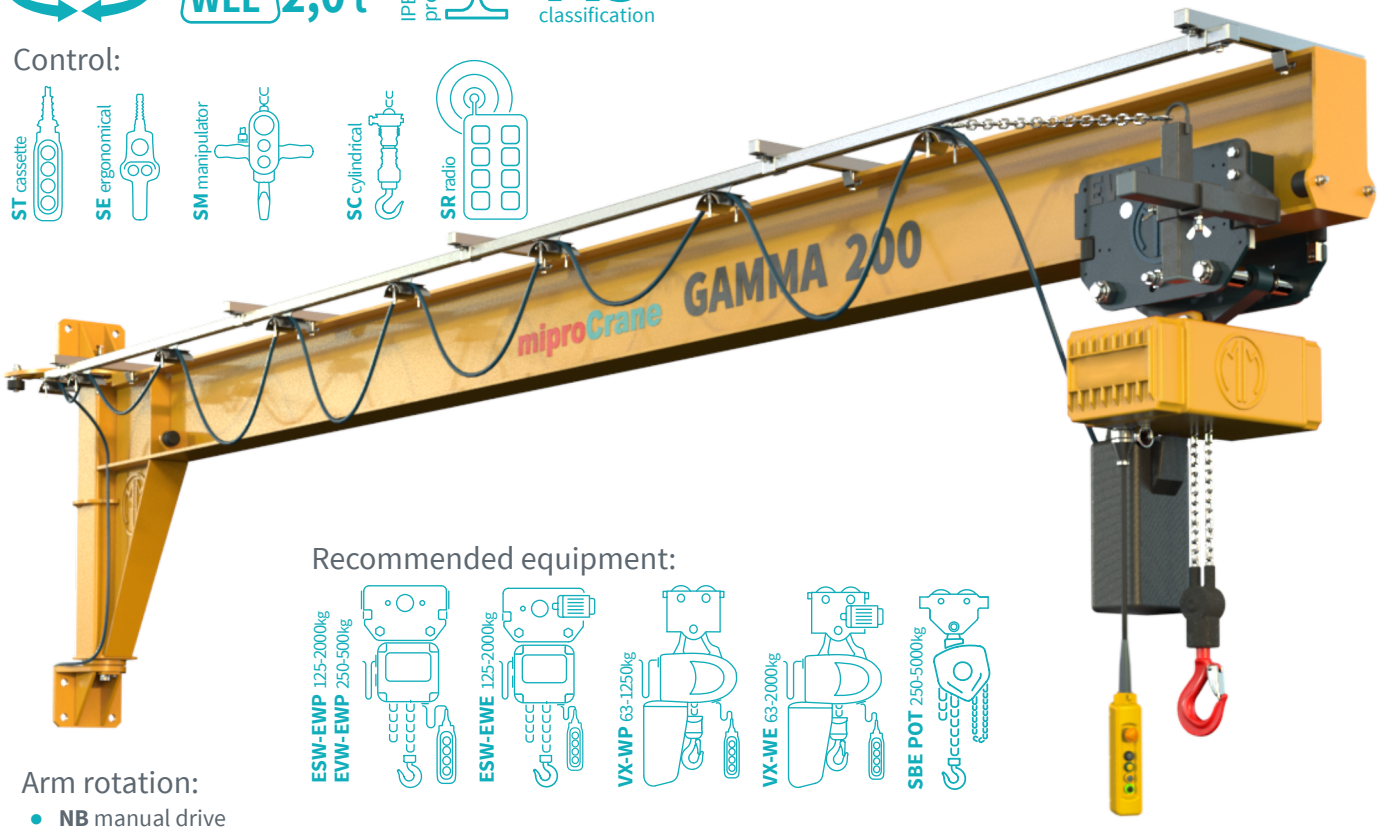
30 days Shipping DATE *

** if you choose an electric arm rotation drive, the delivery time may be extended to 60 days*

180° WLL 2,0 t IPE Beam profile A5 classification

Control:

ST cassette, SE ergonomical, SM manipulator, SC cylindrical, SR radio



Recommended equipment:

Arm rotation:

- **NB** manual drive
- **NG** electric drive with gear transmission

Cable route:

- **TK01** Single - control box suspended under the trolley
- **TK02** Double - the control cassette moves independently of the trolley (option)

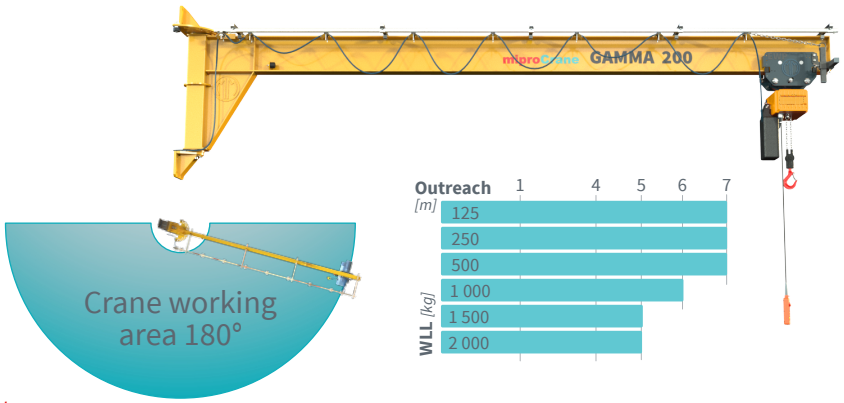
Limitation of the working area:

- **SO-C** limiter (bumper), adjustable arm rotation, mounted on the arm (option)
- **SB** arm rotation lock (option)
- **SP** arm rotation retarder

- Made of high-strength steel
- Anti-corrosion protection by machine shot-blasting and two-layer spray painting.
- The rotating crane arm is made of IPE profile as standard. Designed to work with a wide range of trolleys and hoists
- A wide range of mechanical design, equipment and mounting options allow our cranes to be effectively used in a wide range of industrial applications
- Short installation time, possibility of relocation
- Precision, speed, safety and comfort of operators
- Low noise level during use

Mounting:

- **SD** Bolted to supporting structures
- **SF** Belted - clamp on threaded rods (option)



A detailed description of equipment and options can be found on pages 32-38

GAMMA 300 Slewing jib crane wall-mounted

Declaration of conformity 2006/42/EC manufactured according to Directive EN 60204/32 meets the Standard

Made in EU EN 13001 meets the Standard

30 days Shipping DATE

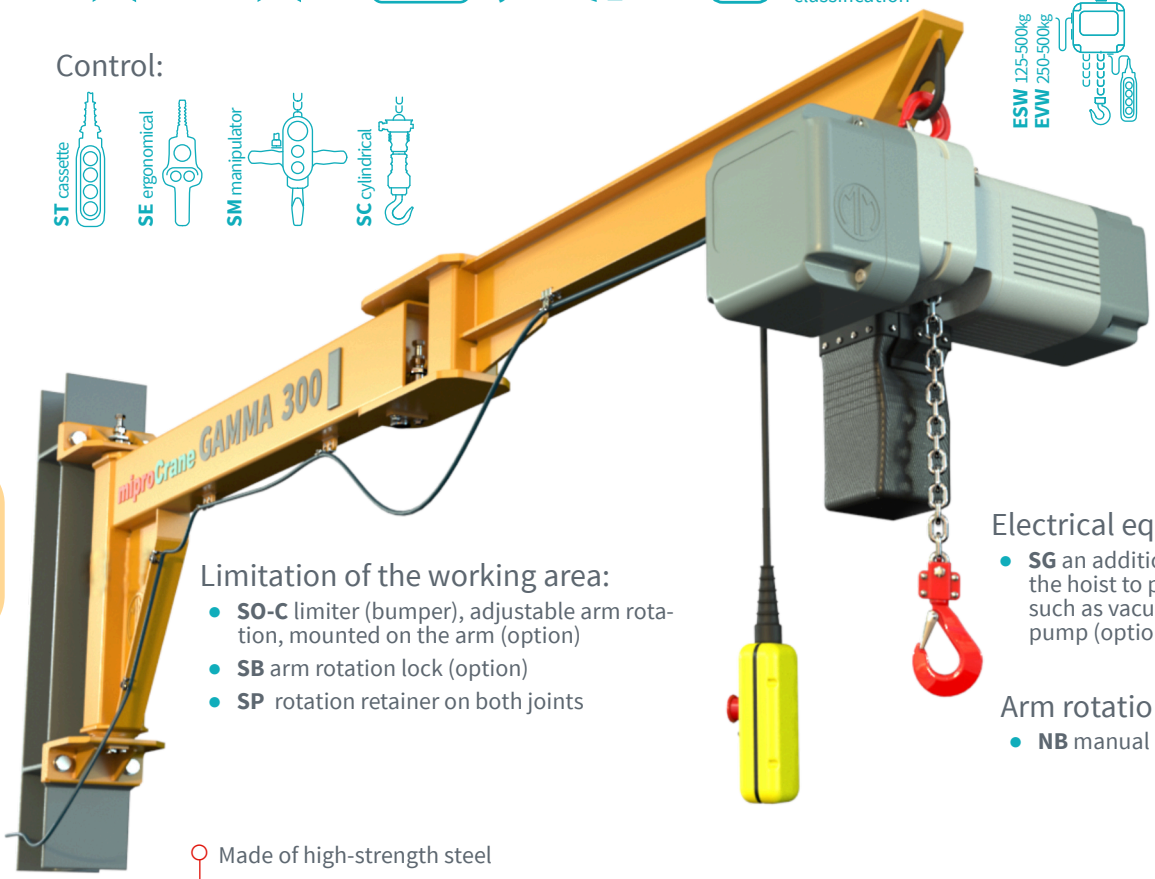
180° 300° WLL 0,5 t Arm beam profile I 0 A5 classification

Control:

ST cassette, SE ergonomical, SM manipulator, SC cylindrical

Recommended equipment:

ESW 125-500kg EVW 250-500kg, VX 63-500kg, SBE 250-500kg



Limitation of the working area:

- **SO-C** limiter (bumper), adjustable arm rotation, mounted on the arm (option)
- **SB** arm rotation lock (option)
- **SP** rotation retainer on both joints

Electrical equipment:

- **SG** an additional electrical outlet at the hoist to power overhead devices such as vacuum lifter with an electric pump (optional).

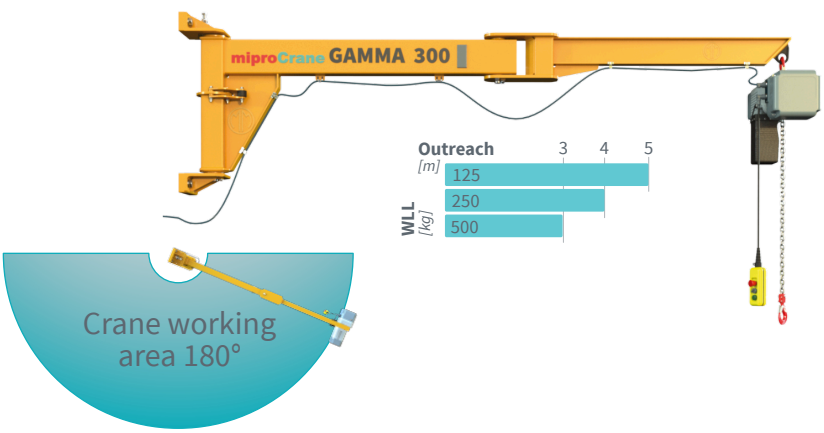
Arm rotation:

- **NB** manual drive

- Made of high-strength steel
- Anti-corrosion protection by machine shot-blasting and two-layer spray painting
- The rotating crane arm is standardly made of IPE profile and rectangular profile. Designed to work with a wide range of hoists
- A wide range of mechanical design, equipment and mounting options allow our cranes to be effectively used in a wide range of industrial applications
- Short installation time, possibility of relocation
- Precision, speed, safety and comfort of operators
- Low noise level during use

Mounting:

- **SD** Bolted to the supporting structure
- **SF** Belted - clamp on threaded rods (option)



A detailed description of equipment and options can be found on pages 32-38

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MCRA-2023 v.01

GAMMA 400 Slewing jib crane wall-mounted

Declaration of conformity 2006/42/EC manufactured according to Directive

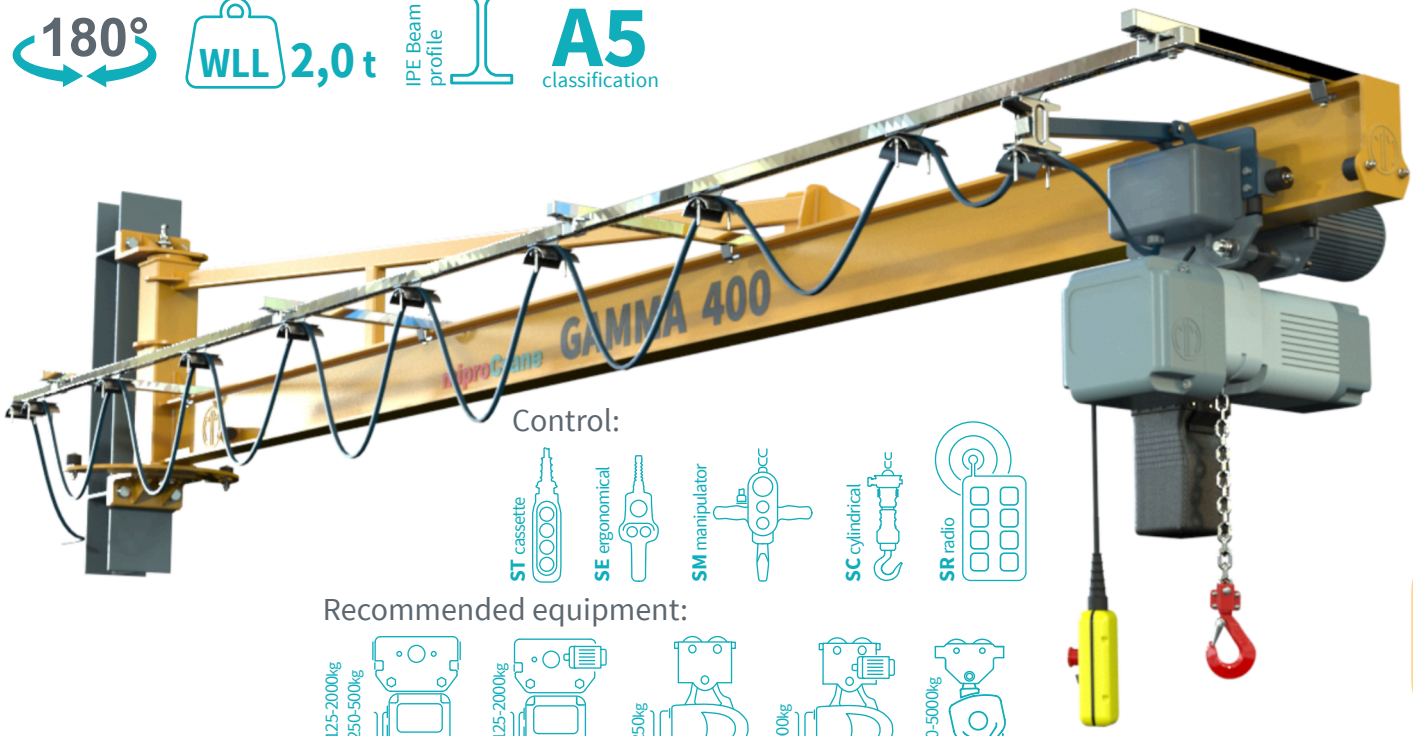
EN 60204/32 meets the Standard

Made in EU

EN 13001 meets the Standard

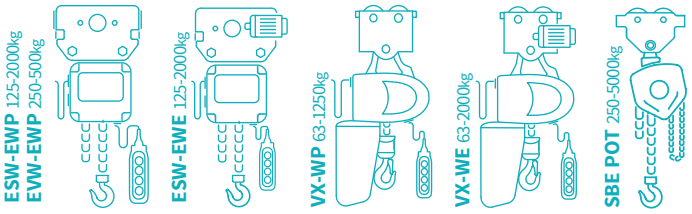
30 days Shipping DATE

180° WLL 2,0 t IPE Beam profile A5 classification



Control:

Recommended equipment:



Arm rotation:

- **NB** manual drive

Cable route:

- **TK01** Single - control box suspended under the trolley
- **TK02** Double - the control cassette moves independently of the trolley (option)

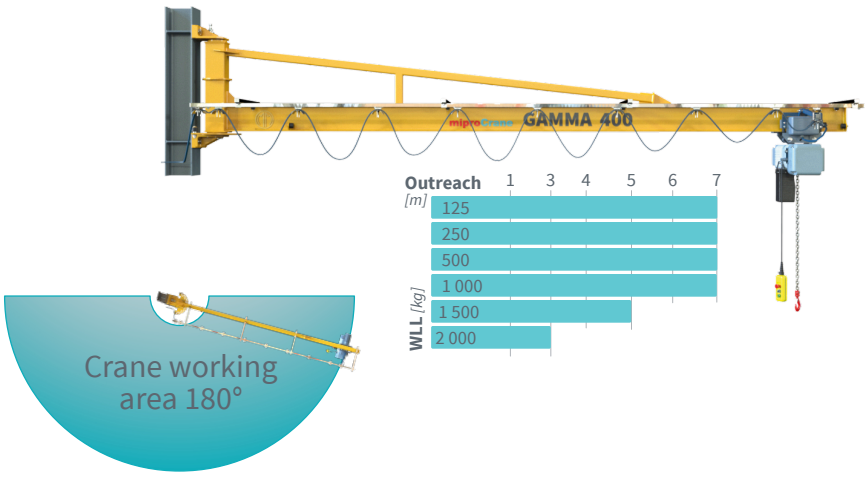
Limitation of the working area:

- **SO-C** limiter (bumper), adjustable arm rotation, mounted on the arm (option)
- **SB** arm rotation lock (option)
- **SP** arm rotation retarder

- Made of high-strength steel
- Anti-corrosion protection by machine shot-blasting and two-layer spray painting
- The rotating crane arm is made of IPE profile as standard. Designed to work with a wide range of trolleys and hoists
- A wide range of mechanical design, equipment and mounting options allow our cranes to be effectively used in a wide range of industrial applications
- Short installation time, possibility of relocation
- Precision, speed, safety and comfort of operators
- Low noise level during use

Mounting:

- **SD** Bolted to the supporting structure
- **SF** Belted - clamp on threaded rods (option)



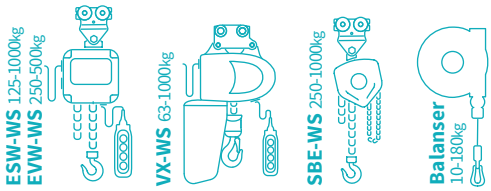
A detailed description of equipment and options can be found on pages 32-38

GAMMA 500 Slewing jib crane wall-mounted

270° WLL 1,0 t Arm beam profile A3 classification

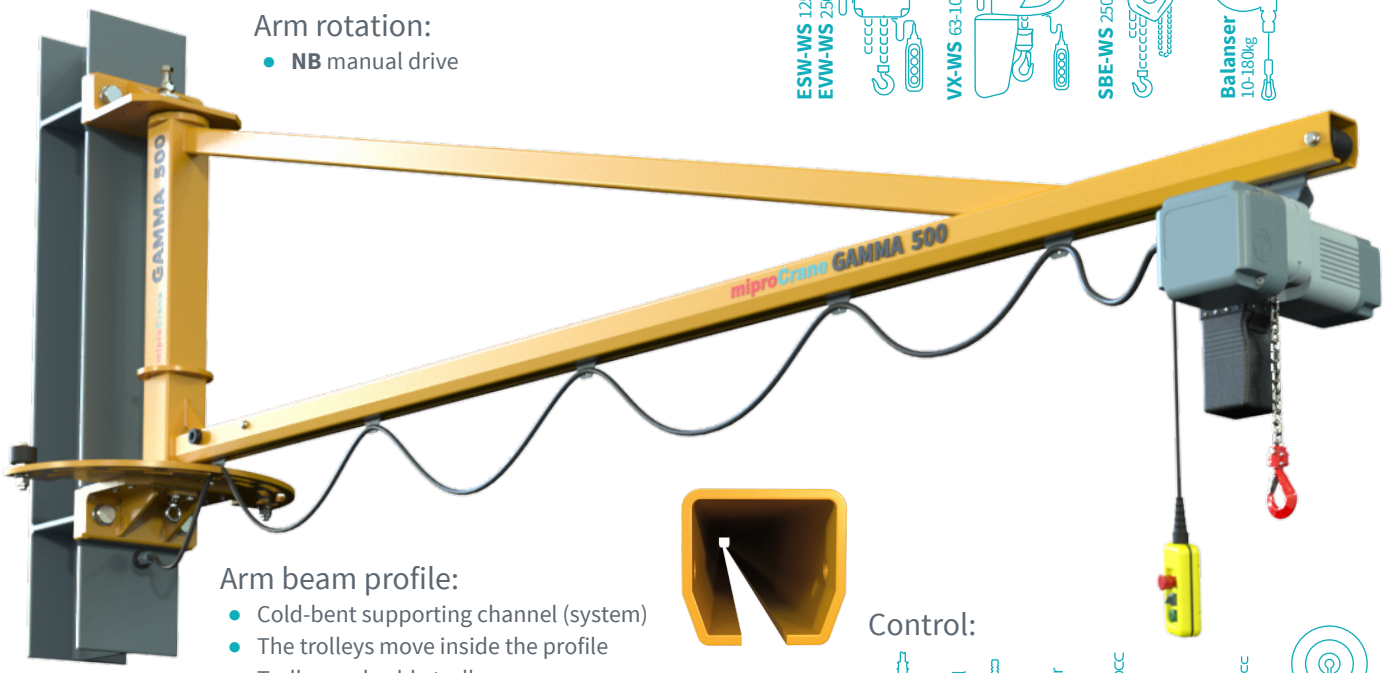
Declaration of conformity 2006/42/EC manufactured according to Directive
EN 60204/32 meets the Standard
Made in EU EN 13001 meets the Standard
30 days Shipping DATE

Recommended equipment:



Arm rotation:

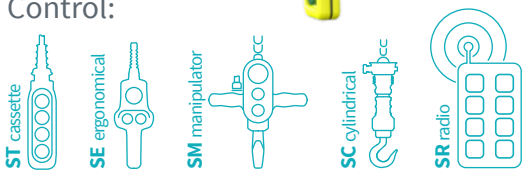
- **NB** manual drive



Arm beam profile:

- Cold-bent supporting channel (system)
- The trolleys move inside the profile
- Trolley and cable trolleys compatible with popular monorail suspended track systems

Control:



Limitation of the working area:

- **SO-C** adjustable arm rotation limiter (bumper), mounted on the arm (option)
- **SB** arm rotation lock (option)
- **SP** arm rotation retarder

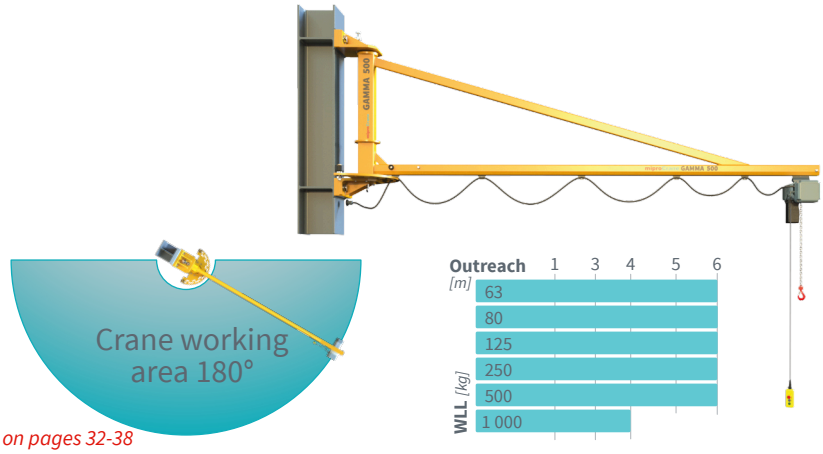
Cable route:

- **TK05** Single - control unit suspended under the trolley, cable trolleys in one track with the trolley

- Made of high-strength steel
- Anti-corrosion protection by machine shot-blasting and two-layer spray painting
- The rotating crane arm is usually made of cold-bent C-section
- A wide range of mechanical design, equipment and mounting options allow our cranes to be effectively used in a wide range of industrial applications
- Short installation time, possibility of relocation
- Precision, speed, safety and comfort of operators
- Low noise level during use

Mounting:

- **SD** Bolted to the supporting structure
- **SF** Belted - clamp on threaded rods (option)



A detailed description of equipment and options can be found on pages 32-38

Mipromet Ltd ul. Dluga 63, 32-091 Maslomiaca
tel./fax +48 12 388 50 15, export@mipromet.eu

MCRA-2023 v.01

Company:

Contact person:

e-mail:

phone:

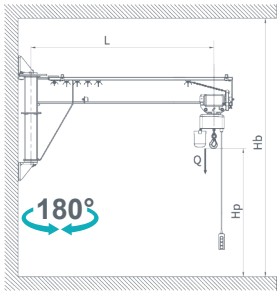
A. Selecting the type of crane:

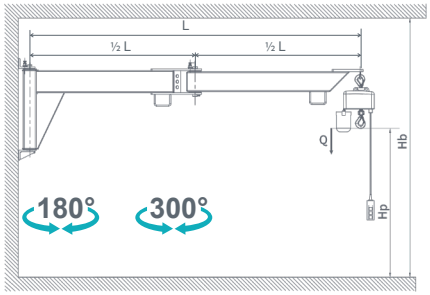
GAMMA 200 Wall crane ☐

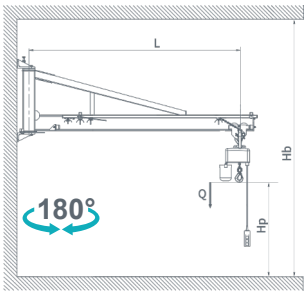
GAMMA 300 Wall crane ☐

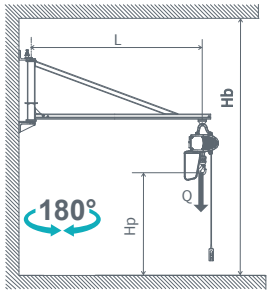
GAMMA 400 Wall crane ☐

GAMMA 500 Wall crane ☐









B. Performance parameters:

WLL Q: kg

Outreach L: mm

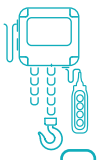
The height of raising Hp: mm

Room height Hb: mm

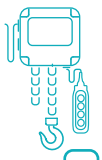
C. Terms of use:

inside ☐ outside ☐

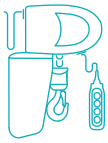
D. Hoist:



ESW 125-5000kg ☐



EVW 250-500kg ☐



VX 63-2500kg ☐

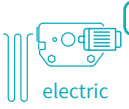
SBE 250-2000kg ☐

Balanser 10-180kg ☐

E. Trolley:

manual push ☐

manual with manoeuvring chain ☐



electric ☐

F. Arm rotation:

NB manual ☐

(only GAMMA 200) **NG** electric gear ☐

G. Cable route:

TK01 Single ☐ **TK02** Double ☐ (only GAMMA 500) **TK05** Single ☐

H. Color:

RAL 1007 yellow daffodil ☐ **RAL 2008** orange ☐ **RAL 3020** Cuban red ☐

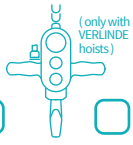
RAL 9010 alpine white ☐ **RAL 7035** light grey ☐ **RAL 7043** dark gray ☐

RAL 9004 signal black ☐ **RAL 5002** ultramarine ☐ **RAL 6001** emerald green ☐

I. Control:

ST cassette ☐

SE ergonomical ☐



SM manipulator ☐

SR radio ☐

SC cylindrical ☐

J. Additional equipment:

SP arm rotation retarder ☐ **SO-C** rotation limiter ☐ **SB** rotation lock ☐

SG additional electric socket ☐ **SE** cover switch ☐

K. Mounting:

SD screwed ☐ **SF** clamp ☐

L. Transport:

EXW supplier's warehouse ☐ **DAP** recipient's warehouse ☐

M. Assembly:

on the customer side ☐ on the supplier's side ☐

How to complete the form: Fill in the text fields in the part regarding the questioner's data and provide the desired operational parameters. You must select one checkbox in each group. The choice of equipment options is limited by the assumed operational parameters and properties of individual devices, described in the "Equipment, installation, options" chapter.

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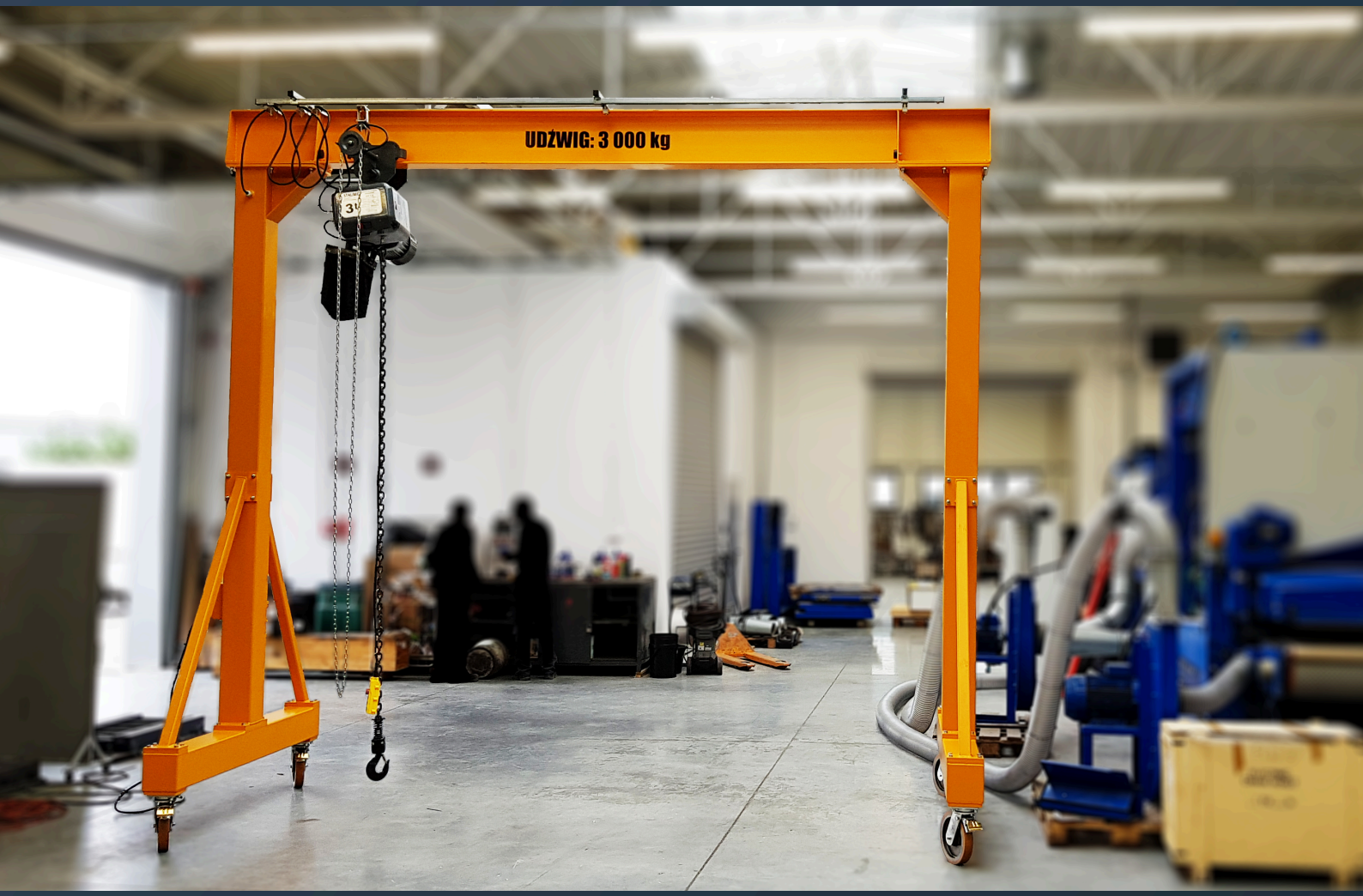
tel./fax +48 12 388 50 15, export@mipromet.eu

MIPROMET



Series DELTA
Gantry Cranes

miproCrane

DELTA 100 Moveable gantry crane (demountable)

Declaration of conformity 2006/42/EC manufactured according to Directive

EN 60204/32 meets the Standard

Made in EU

EN 13001 meets the Standard

30 days Shipping DATE

WLL 1,5 t

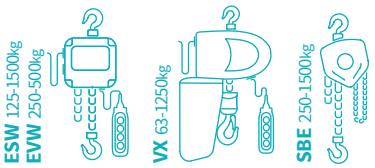
Supporting beam profile

1,7-3,0m

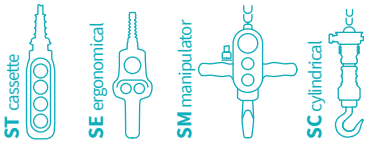
1,6-3,85m

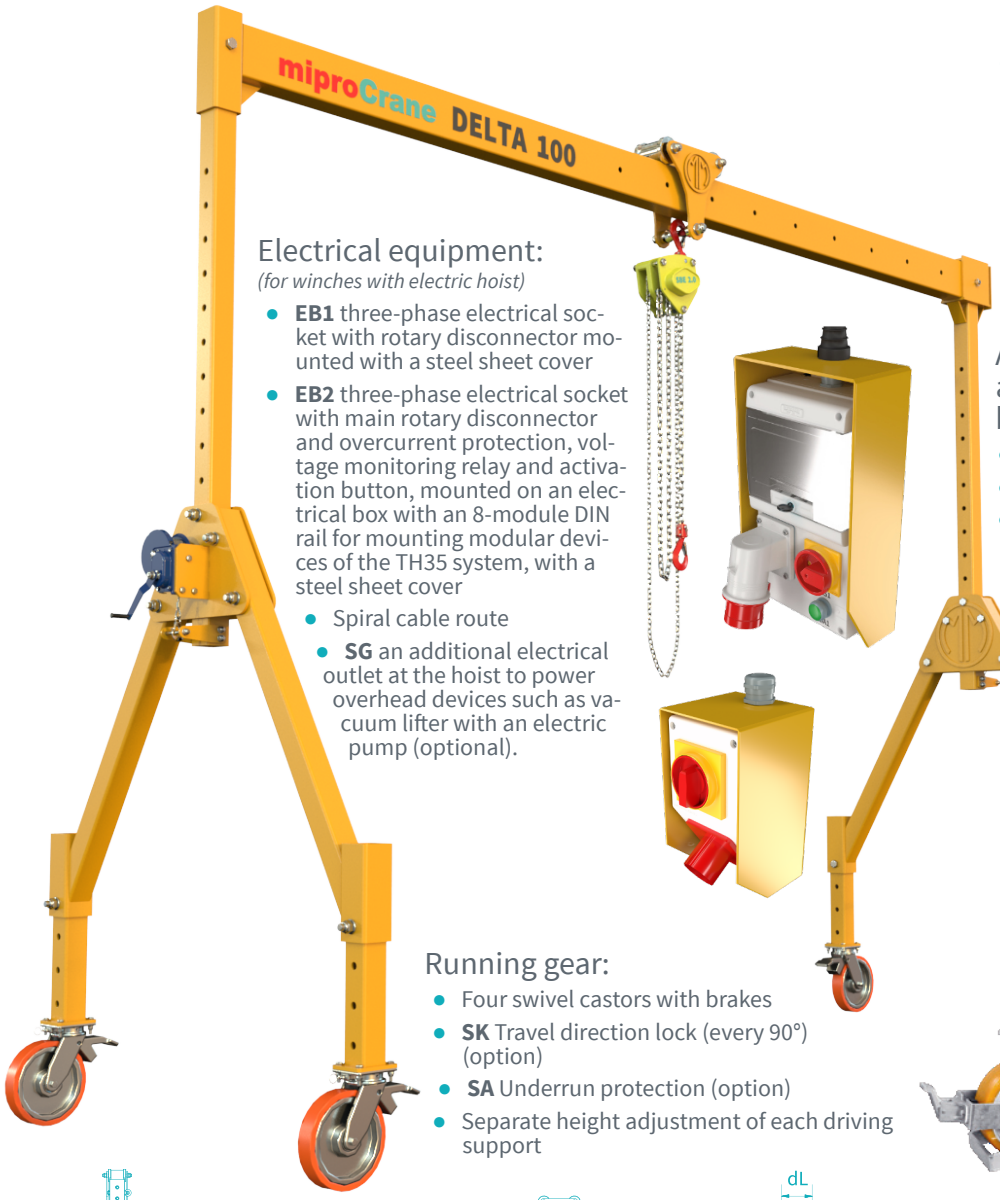
A3 classification

Recommended equipment:



Control:





Electrical equipment:

(for winches with electric hoist)

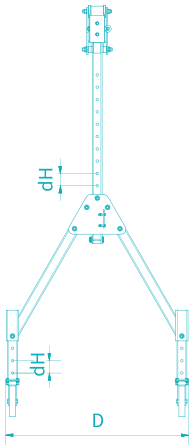
- **EB1** three-phase electrical socket with rotary disconnector mounted with a steel sheet cover
- **EB2** three-phase electrical socket with main rotary disconnector and overcurrent protection, voltage monitoring relay and activation button, mounted on an electrical box with an 8-module DIN rail for mounting modular devices of the TH35 system, with a steel sheet cover
- Spiral cable route
- **SG** an additional electrical outlet at the hoist to power overhead devices such as vacuum lifter with an electric pump (optional).

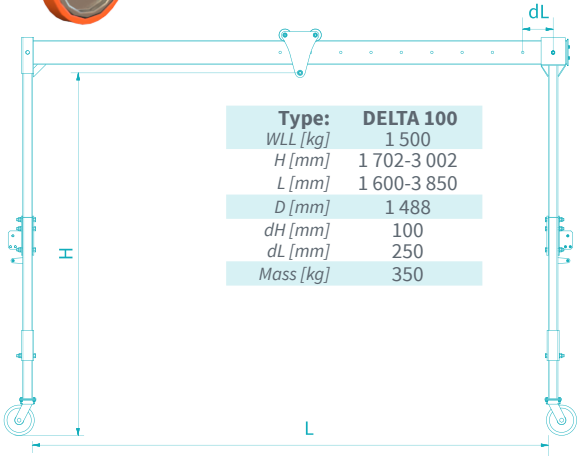
Adjustment of the height and length of the support beam:

- Lifting/lowering by crank
- Locking with screws
- Adjustable height of driving supports
- Adjustable length of the supporting beam

Running gear:

- Four swivel castors with brakes
- **SK** Travel direction lock (every 90°) (option)
- **SA** Underrun protection (option)
- Separate height adjustment of each driving support





Type:	DELTA 100
WLL [kg]	1 500
H [mm]	1 702-3 002
L [mm]	1 600-3 850
D [mm]	1 488
dH [mm]	100
dL [mm]	250
Mass [kg]	350

- The gantry crane is designed to lift, lower and move loads located in its working space, which is determined by the length of the supporting beam. The load capacity of the gantry winch is specified for the entire operating range of the supporting beam.
- The gantry crane can be folded or disassembled into simple components for easy servicing, transportation or storage
- Short installation time, possibility of relocation
- Precision, speed, safety and comfort of operators
- Low noise level during use

A detailed description of equipment and options can be found on pages 32-38

DELTA 200 Moveable gantry crane (demountable)

Declaration of conformity 2006/42/EC manufactured according to Directive EN 60204/32 meets the Standard

Made in EU EN 13001 meets the Standard

30 days Shipping DATE

WLL 1,5 t

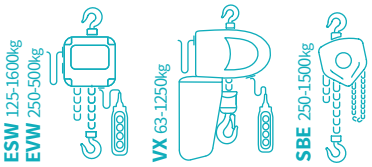
Supporting beam profile

1,7-3,0m

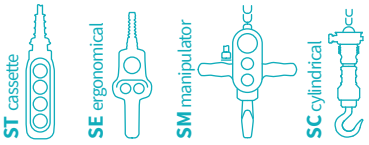
1,6-3,85m

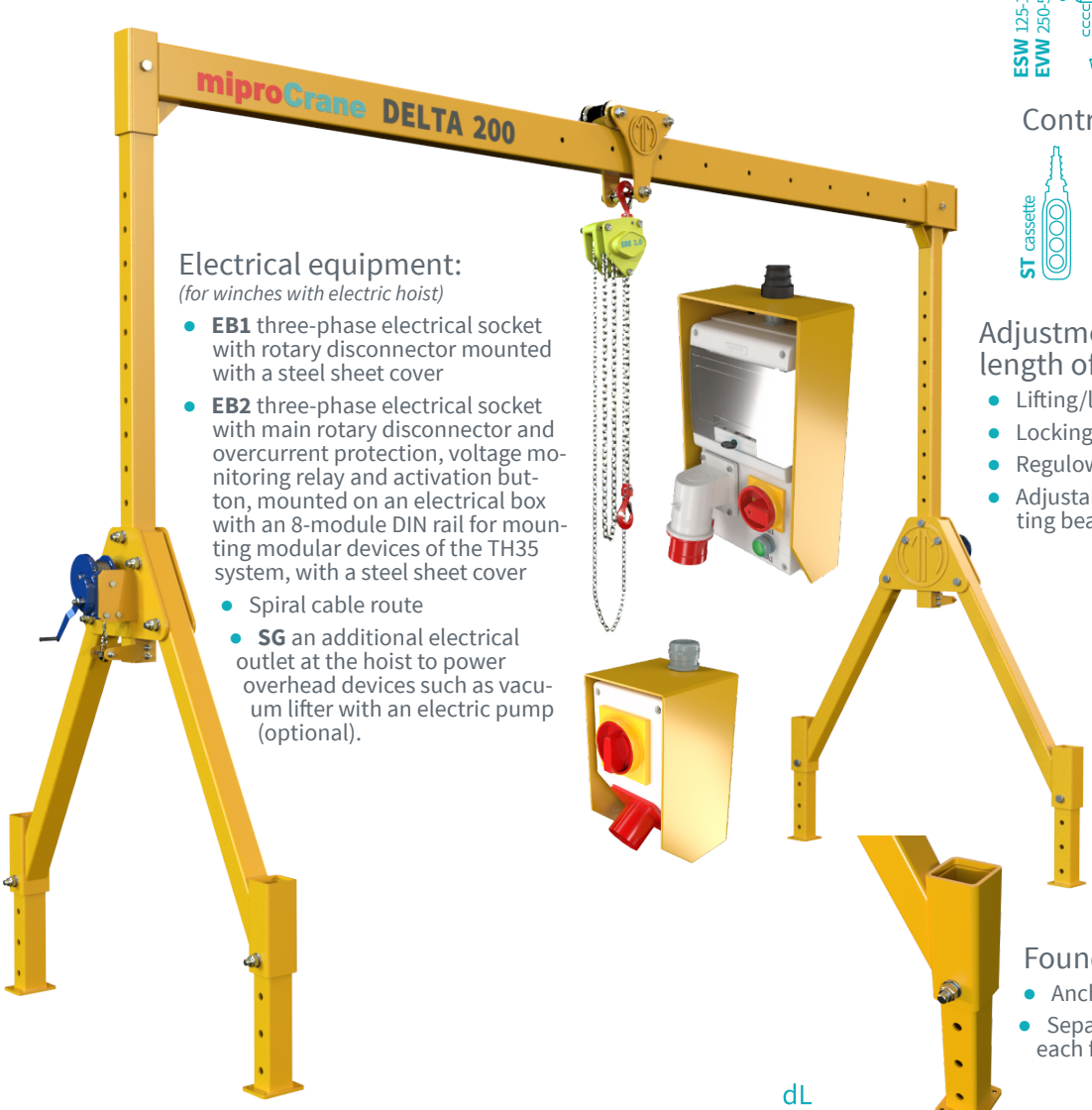
A3 classification

Recommended equipment:



Control:





Electrical equipment:

(for winches with electric hoist)

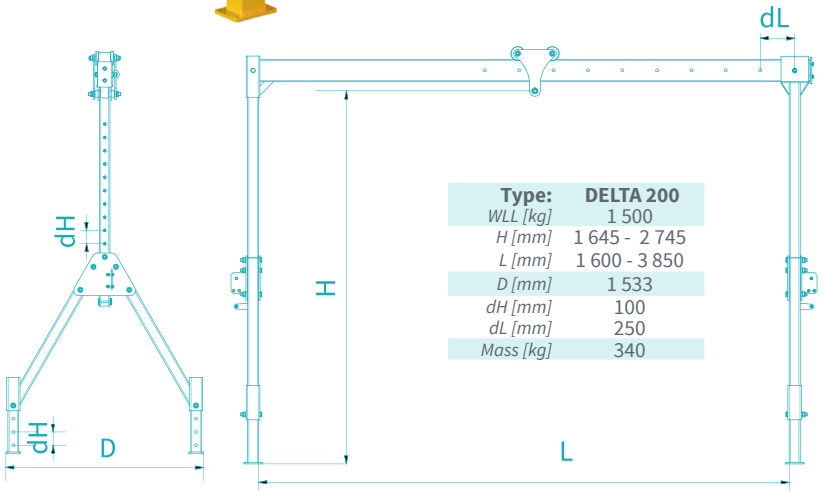
- **EB1** three-phase electrical socket with rotary disconnector mounted with a steel sheet cover
- **EB2** three-phase electrical socket with main rotary disconnector and overcurrent protection, voltage monitoring relay and activation button, mounted on an electrical box with an 8-module DIN rail for mounting modular devices of the TH35 system, with a steel sheet cover
- Spiral cable route
- **SG** an additional electrical outlet at the hoist to power overhead devices such as vacuum lifter with an electric pump (optional).

Adjustment of the height and length of the support beam:

- Lifting/lowering by crank
- Locking with screws
- Regulowana wysokość podpór
- Adjustable length of the supporting beam

Foundation:

- Anchorable feets
- Separate height adjustment of each foot



Type:	DELTA 200
WLL [kg]	1 500
H [mm]	1 645 - 2 745
L [mm]	1 600 - 3 850
D [mm]	1 533
dH [mm]	100
dL [mm]	250
Mass [kg]	340

- The gantry crane is designed to lift, lower and move loads located in its working space, which is determined by the length of the supporting beam. The load capacity of the gantry winch is specified for the entire operating range of the supporting beam.
- The gantry crane can be folded or disassembled into simple components for easy servicing, transportation or storage
- Short installation time, possibility of relocation
- Precision, speed, safety and comfort of operators
- Low noise level during use

A detailed description of equipment and options can be found on pages 32-38

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tel./fax +48 12 388 50 15, export@mipromet.eu

MCRA-2023 v.01

DELTA 300 Moveable gantry crane (demountable)

CE Declaration of conformity 2006/42/EC manufactured according to Directive

EN 60204/32 meets the Standard

Made in EU EN 13001 meets the Standard

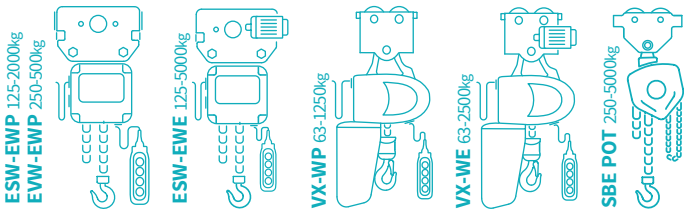
30 days Shipping DATE

WLL 5,0 t

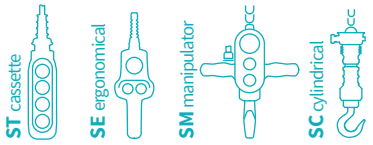
Arm beam profile I

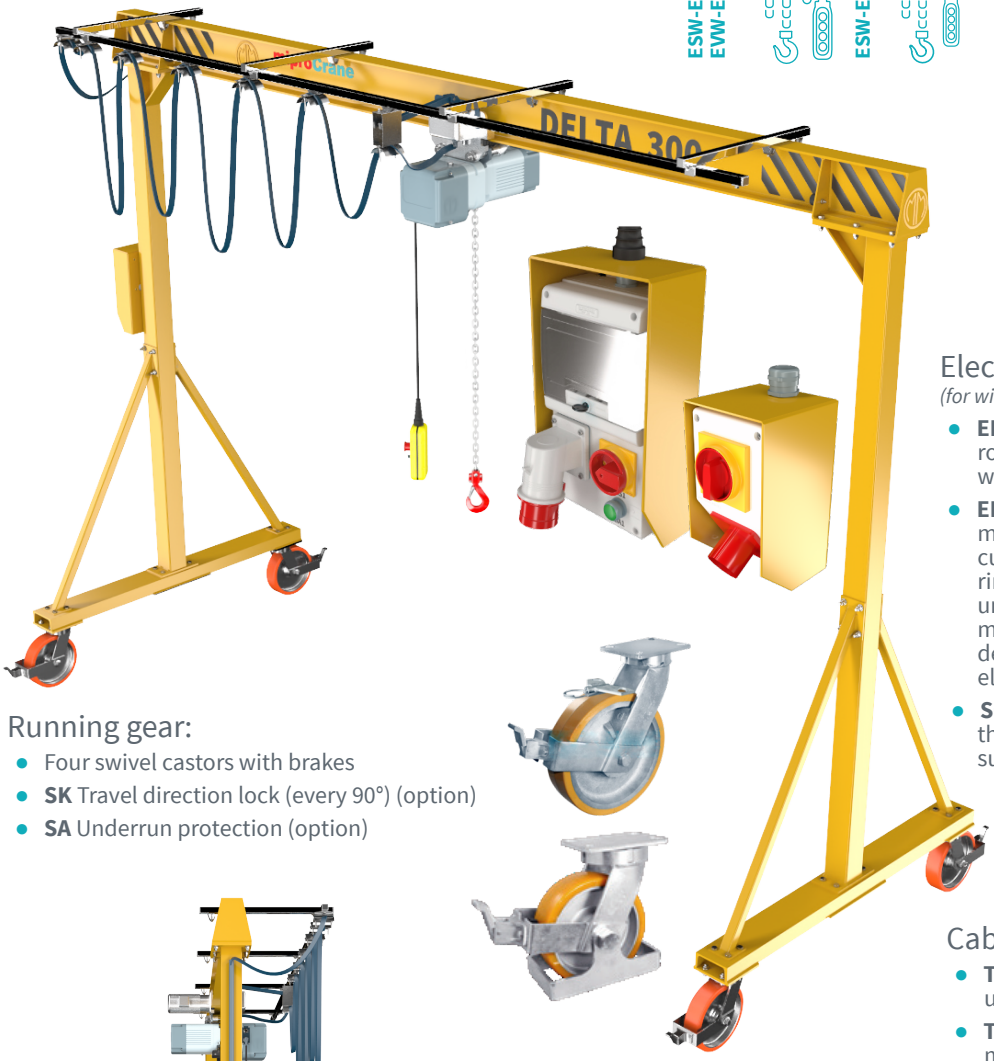
A3 classification

Recommended equipment:



Control:





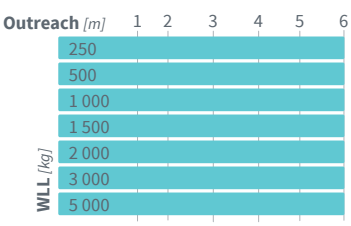
Electrical equipment:

(for winches with electric hoist)

- **EB1** three-phase electrical outlet with rotary disconnect switch mounted with steel sheet cover
- **EB2** three-phase electrical socket with main rotary disconnector and over-current protection, voltage monitoring relay and activation button, mounted on an electrical box with an 8-module DIN rail for mounting modular devices of the TH35 system, with a steel sheet cover (option)
- **SG** an additional electrical outlet at the hoist to power overhead devices such as vacuum lifter with an electric pump (optional).

Running gear:

- Four swivel castors with brakes
- **SK** Travel direction lock (every 90°) (option)
- **SA** Underrun protection (option)



Cable route:

- **TK01** Single - control box suspended under the trolley
- **TK02** Double - the control cassette moves independently of the trolley (option)

- The gantry crane is designed to lift, lower and move loads located in its working space, which is determined by the length of the supporting beam. The load capacity of the gantry winch is specified for the entire operating range of the supporting beam.
- The gantry crane can be folded or disassembled into simple components for easy servicing, transportation or storage
- Ability to roll under load
- Short installation time, possibility of relocation
- Precision, speed, safety and comfort of operators
- Low noise level during use

A detailed description of equipment and options can be found on pages 32-38

Company:

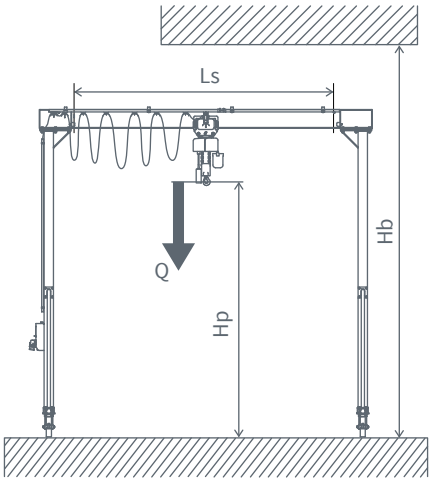
Contact person:

e-mail:

phone:

A. Type of gantry crane:

DELTA 300
Gantry crane



B. Performance parameters:

WLL Q: kg

Outreach Ls: mm

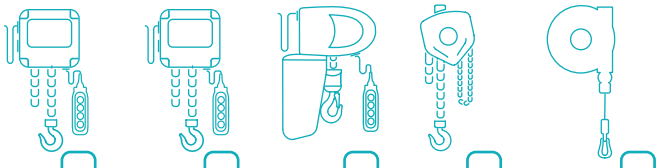
The height of raising Hp: mm

Room height Hb: mm

C. Terms of use:

☐ inside ☐ outside

D. Hoist:



☐ **ESW** 125-5000kg ☐ **EVW** 250-500kg ☐ **VX** 63-2500kg ☐ **SBE** 250-2000kg ☐ **Balanser** 10-180kg

E. Trolley:

☐ manual push ☐ manual with manoeuvring chain ☐ electric

F. Cable route:

☐ **TK01** Single ☐ **TK02** Double

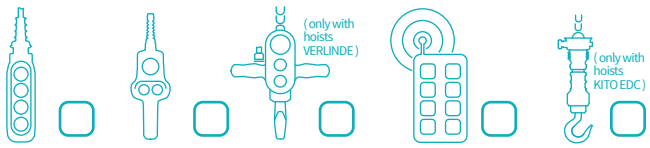
G. Color:

☐ **RAL 1007** yellow daffodil ☐ **RAL 2008** orange ☐ **RAL 3020** Cuban red

☐ **RAL 9010** alpine white ☐ **RAL 7035** light grey ☐ **RAL 7043** dark gray

☐ **RAL 9004** signal black ☐ **RAL 5002** ultramarine ☐ **RAL 6001** emerald green

H. Control:



☐ **ST** cassette ☐ **SE** ergonomical ☐ **SM** manipulator ☐ **SR** radio ☐ **SC** cylindrical

I. Additional equipment:

☐ **SG** additional electrical socket ☐ **EB1** electrical box ☐ **EB2** electrical box

☐ **SK** lock direction of wheel travel ☐ **SA** underrun cover

J. Transport:

☐ **EXW** supplier's warehouse ☐ **DAP** recipient's warehouse

K. Assembly:

☐ on the customer side ☐ on the supplier's side

How to complete the form: Fill in the text fields in the part regarding the questioner's data and provide the desired operational parameters. You must select one checkbox in each group. The choice of equipment options is limited by the assumed operational parameters and properties of individual devices, described in the "Equipment, installation, options" chapter.

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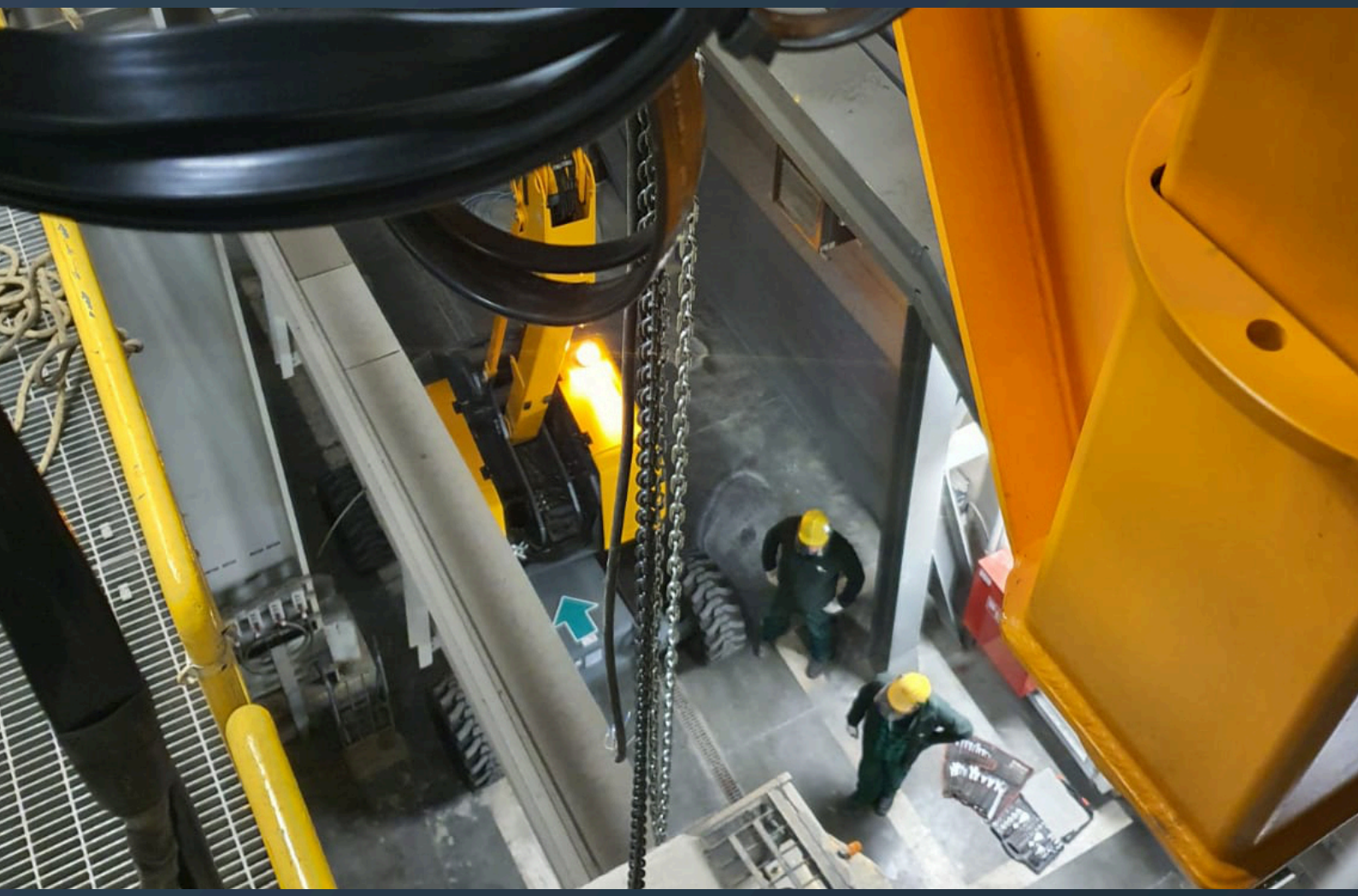


Equipment installation options

miproCrane

Hoists with trolleys for I-beam

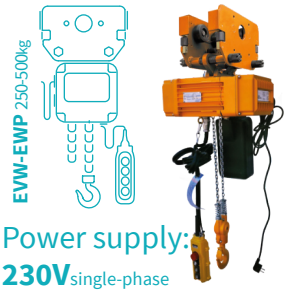
Power supply:
400Vthree-phase

Type:	WLL [kg]	Lifting speed [m/min]	Classification ISO/FEM
ESW-EWE 00.125-3.0	125	8/2	M5/2m
ESW-EWE 00.16-3.0	160	8/2	M5/2m
ESW-EWE 00.25-3.0	250	8/2	M5/2m
ESW-EWE 00.5-3.0	500	8/2	M5/2m
ESW-EWE 01.0-3.0	1000	8/2	M5/2m
ESW-EWE 01.6-3.0	1600	4/1	M5/2m
ESW-EWE 02.0-3.0	2000	4/1	M5/2m
ESW-EWE 03.0-3.0	3000	6/1,5	M4/1Am
ESW-EWE 05.0-3.0	5000	3/0,75	M5/2m

Power supply:
400Vthree-phase

Type:	WLL [kg]	Lifting speed [m/min]
ESW-EWP 00.125-3.0	125	8/2
ESW-EWP 00.16-3.0	160	8/2
ESW-EWP 00.25-3.0	250	8/2
ESW-EWP 00.5-3.0	500	8/2
ESW-EWP 01.0-3.0	1000	8/2
ESW-EWP 01.6-3.0	1600	4/1

Classification **M5/2m**



Power supply:
230Vsingle-phase

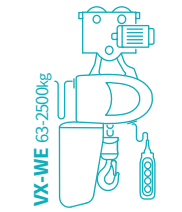
Type:	WLL [kg]	Lifting speed [m/min]
EVW-EWP 00.25-3.0	250	8/2
EVW-EWP 00.5-3.0	500	8/2

Classification **M5/2m**

Power supply:
400Vthree-phase

Type:	WLL [kg]	Lifting speed [m/min]	Classification ISO
VX2 0608b3 WP	63	8/2	M6
VX2 0612b3 WP	63	12/3	M6
VX2 0616b3 WP	63	16/4	M6
VX2 1208b3 WP	125	8/2	M6
VX2 1212b3 WP	125	12/3	M6
VX2 1216b2 WP	125	16/4	M5
VX2 1608b3 WP	160	8/2	M6
VX2 1612b3 WP	160	12/3	M6
VX5 1616b2 WP	160	16/4	M5
VX2 2508b2 WP	250	8/2	M5
VX5 2512b1 WP	250	12/3	M4
VX5 2504b3 WP	250	4/1	M6
VX5 2508b3 WP	250	8/2	M6
VX5 2516b2 WP	250	16/4	M5
VX5 3208b2 WP	320	8/2	M5
VX2 5004b2 WP	500	4/1	M5
VX5 5004b2 WP	500	4/1	M5
VX5 5008b2 WP	500	8/2	M5
VX10 5004b2*WP	500	4/1	M5
VX10 5008b3* WP	500	8/2	M6
VX10 5016b2* WP	500	16/4	M5
VX5 6304b2 WP	630	4/1	M5
VX10 6316b1* WP	630	16/4	M4
VX5 1004b2 WP	1000	4/1	M5
VX10 1004b2* WP	1000	4/1	M5
VX10 1008b2* WP	1000	8/2	M5
VX10 1204b1* WP	1250	4/1	M4
VX10 1208b1* WP	1250	8/2	M4
VX10 1204b2* WP	1250	4/1	M5

*Counterbalance hoist,



Power supply:
400Vthree-phase

Type:	WLL [kg]	Lifting speed [m/min]	Classification ISO
VX2 0608b3 WE	63	8/2	M6
VX2 0612b3 WE	63	12/3	M6
VX2 0616b3 WE	63	16/4	M6
VX2 1208b3 WE	125	8/2	M6
VX2 1212b3 WE	125	12/3	M6
VX2 1216b2 WE	125	16/4	M5
VX2 1608b3 WE	160	8/2	M6
VX2 1612b3 WE	160	12/3	M6
VX5 1616b2 WE	160	16/4	M5
VX2 2508b2 WE	250	8/2	M5
VX5 2512b1 WE	250	12/3	M4
VX5 2504b3 WE	250	4/1	M6
VX5 2508b3 WE	250	8/2	M6
VX5 2516b2 WE	250	16/4	M5
VX5 3208b2 WE	320	8/2	M5
VX2 5004b2 WE	500	4/1	M5
VX5 5004b2 WE	500	4/1	M5
VX5 5008b2 WE	500	8/2	M5
VX10 5004b2* WE	500	4/1	M5
VX10 5008b3* WE	500	8/2	M6
VX10 5016b2* WE	500	16/4	M5
VX5 6304b2 WE	630	4/1	M5
VX10 6316b1* WE	630	16/4	M4
VX5 1004b2 WE	1000	4/1	M5
VX10 1004b2* WE	1000	4/1	M5
VX10 1008b2* WE	1000	8/2	M5
VX10 1204b1* WE	1250	4/1	M4
VX10 1208b1* WE	1250	8/2	M4
VX10 1204b2* WE	1250	4/1	M5
VX10 1604b2* WE	1600	4/1	M5
VX10 2004b2* WE	2000	4/1	M5
VX10 2504b1* WE	2500	4/1	M4

*Counterbalance hoist,

Type:	WLL [kg]
WBE 00.5-3.0	500
WBE 01.0-3.0	1000
WBE 02.0-3.0	2000

Classification **M3/1Bm**

A simplified form of UDT supervision. No notification required. (Lifting capacity up to 250kg or 230V single-phase power supply with lifting capacity up to 1000kg or manual drive up to 2000kg)

Hoists with trolley for system rail

Power supply:
400Vthree-phase

Type:	WLL [kg]	Lifting speed [m/min]	Classification ISO/FEM
ESW-WS 00.125-3.0	125	8/2	M5/2m
ESW-WS 00.16-3.0	160	8/2	M5/2m
ESW-WS 00.25-3.0	250	8/2	M5/2m
ESW-WS 00.5-3.0	500	8/2	M5/2m
ESW-WS 01.0-3.0	1000	8/2	M5/2m
ESW-WS 01.6-3.0	1600	4/1	M5/2m
ESW-WS 02.0-3.0	2000	4/1	M5/2m

Power supply:
230Vsingle-phase

Type:	WLL [kg]	Lifting speed [m/min]
EVW-WS 00.25-3.0	250	8/2
EVW-WS 00.5-3.0	500	8/2

Classification **M5/2m**

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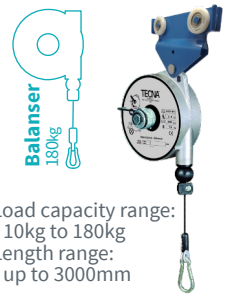
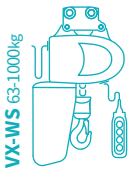
Type:	WLL [kg]
SBE-WS 00.25-3.0	250
SBE-WS 00.5-3.0	500
SBE-WS 01.0-3.0	1 000

Classification **M3/1Bm**



Load capacity range:
- 10kg to 180kg
Length range:
- up to 3000mm



Power supply:
400Vthree-phase

Type:	WLL [kg]	Lifting speed [m/min]	Classification ISO
VX2 0608b3 WS	63	8/2	M6
VX2 0612b3 WS	63	12/3	M6
VX2 0616b3 WS	63	16/4	M6
VX2 1208b3 WS	125	8/2	M6
VX2 1212b3 WS	125	12/3	M6
VX2 1216b2 WS	125	16/4	M5
VX2 1608b3 WS	160	8/2	M6
VX2 1612b3 WS	160	12/3	M6
VX5 1616b2 WS	160	16/4	M5
VX2 2508b2 WS	250	8/2	M5
VX5 2512b1 WS	250	12/3	M4
VX5 2504b3 WS	250	4/1	M6
VX5 2508b3 WS	250	8/2	M6
VX5 2516b2 WS	250	16/4	M5
VX5 3208b2 WS	320	8/2	M5
VX2 5004b2 WS	500	4/1	M5
VX5 5004b2 WS	500	4/1	M5
VX5 5008b2 WS	500	8/2	M5
VX10 5004b2*WS	500	4/1	M5
VX10 5008b3* WS	500	8/2	M6
VX10 5016b2* WS	500	16/4	M5
VX5 6304b2 WS	630	4/1	M5
VX10 6316b1* WS	630	16/4	M4
VX5 1004b2 WS	1000	4/1	M5
VX10 1004b2* WS	1000	4/1	M5
VX10 1008b2* WS	1000	8/2	M5

*Counterbalance hoist,

Hoists without trolley, attached to the eye on the crane arm

Power supply:
400Vthree-phase

Type:	WLL [kg]	Lifting speed [m/min]	Classification ISO/FEM
ESW 00.125-3.0	125	8/2	M5/2m
ESW 00.16-3.0	160	8/2	M5/2m
ESW 00.25-3.0	250	8/2	M5/2m
ESW 00.5-3.0	500	8/2	M5/2m
ESW 01.0-3.0	1000	8/2	M5/2m
ESW 01.6-3.0	1600	4/1	M5/2m
ESW 02.0-3.0	2000	4/1	M5/2m
ESW 03.0-3.0	3000	6/1,5	M4/1Am
ESW 05.0-3.0	5000	3/0,75	M5/2m

Power supply:
230Vsingle-phase

Type:	WLL [kg]	Lifting speed [m/min]
EVW 00.25-3.0	250	8/2
EVW 00.5-3.0	500	8/2

Classification **M5/2m**

Type:	WLL [kg]
SBE 00.25-3.0	250
SBE 00.5-3.0	500
SBE 01.0-3.0	1000
SBE 01.5-3.0	1500
SBE 02.0-3.0	2000
SBE 03.0-3.0	3000
SBE 05.0-3.0	5000
SBE 10.0-3.0	10000

Classification **M3/1Bm**

Type:	WLL [kg]
ZBE 01.0-3.0	1000
ZBE 01.5-3.0	1500
ZBE 02.0-3.0	2000
ZBE 03.0-3.0	3000
ZBE 05.0-3.0	5000

Classification **M3/1Bm**

Power supply:
400Vthree-phase

Type:	WLL [kg]	Lifting speed [m/min]	Classification ISO
VX2 0608b3-03.0	63	8/2	M6
VX2 0612b3-03.0	63	12/3	M6
VX2 0616b3-03.0	63	16/4	M6
VX2 1208b3-03.0	125	8/2	M6
VX2 1212b3-03.0	125	12/3	M6
VX2 1216b2-03.0	125	16/4	M5
VX2 1608b3-03.0	160	8/2	M6
VX2 1612b3-03.0	160	12/3	M6
VX5 1616b2-03.0	160	16/4	M5
VX2 2508b2-03.0	250	8/2	M5
VX5 2512b1-03.0	250	12/3	M4
VX5 2504b3-03.0	250	4/1	M6
VX5 2508b3-03.0	250	8/2	M6
VX5 2516b2-03.0	250	16/4	M5
VX5 3208b2-03.0	320	8/2	M5
VX2 5004b2-03.0	500	4/1	M5
VX5 5004b2-03.0	500	4/1	M5
VX5 5008b2-03.0	500	8/2	M5
VX10 5004b2-03.0*	500	4/1	M5
VX10 5008b3-03.0*	500	8/2	M6
VX10 5016b2-03.0*	500	16/4	M5
VX5 6304b2-03.0*	630	4/1	M5
VX10 6316b1-03.0*	630	16/4	M4
VX5 1004b2-03.0	1000	4/1	M5
VX10 1004b2-03.0*	1000	4/1	M5
VX10 1008b2-03.0*	1000	8/2	M5
VX10 1204b1-03.0*	1250	4/1	M4
VX10 1208b1-03.0*	1250	8/2	M4
VX10 1204b2-03.0*	1250	4/1	M5

*Counterbalance hoist,

A simplified form of UDT supervision. No notification required. (Lifting capacity up to 250kg or 230V single-phase power supply with lifting capacity up to 1000kg or manual drive up to 2000kg)

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Control of crane operation

ST cassette

ST Cassette control

- Cassette suspended under the hoist or on a separate cable line
- For hoists with electric cart and cranes with electric arm rotation drive, 4, 6 or 8 button cassettes

SE ergonomical

SE Cassette control

- Cassette suspended under the hoist or on a separate cable line
- Ergonomic design allows for safe one-handed control

SC cylindrical

SC Control cylindrical

- KITO EDC hoists only
- Control cylinder integrated into the load hook
- Allows safe one-handed control with simultaneous cargo hook maneuvering
- The handle housing contains a main and alarm switch, potentiometers that determine the upper and lower limits of the lifting speed, a speed range switch, and LEDs that indicate the status of the device

SM manipulator

SC Control with a manipulator

- VERLINDE hoists only
- Control buttons and manipulator integrated into the cargo hook
- Allows safe control with simultaneous precise ambidextrous maneuvering of hook and load

SR radio

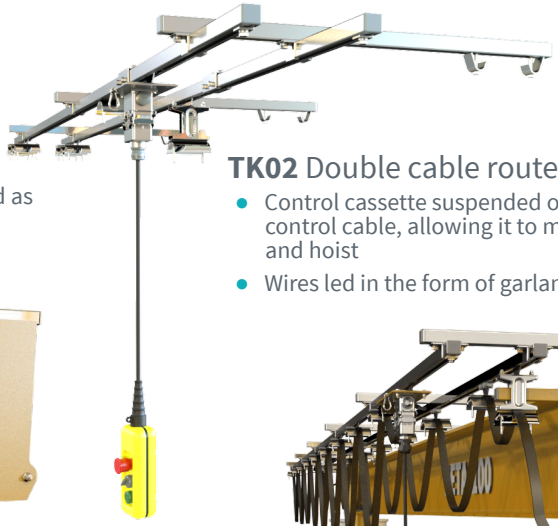
SR Radio control

- Panther 2.4 Ghz 16 channel Tele-Radio system
- No cable connection between the cassette and the hoist or crane - distance operation possible
- 8-button cassette + crane-mounted transmitter
- Included wired control cassette in case of radio failure or EM interference operation

Cable route

TK01 Single cable route

- Control cassette suspended from the trolley or hoist
- Integrated power and control cable routed as a garland on movable cable hangers



TK02 Double cable route

- Control cassette suspended on a separate rail with a separate control cable, allowing it to move independently of the trolley and hoist
- Wires led in the form of garland on movable cable hangers

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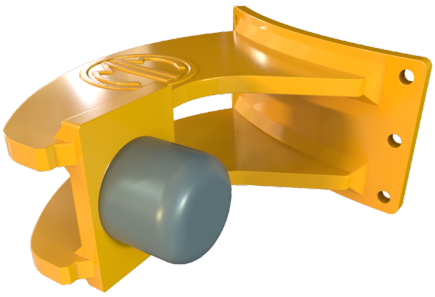
TK05 Single cable route for 500 series cranes
(applies to cranes ALPHA 500, BETA 500, GAMMA 500)

- Control cassette suspended from the trolley or hoist
- Integrated power and control cable routed as a garland on movable cable hangers
- Cable carts routed in a single track with the cart (moving inside the arm profile)

Limitation of the working area



SO-A Stop (bumper) fixed bolted to the column during crane assembly (applies to cranes ALPHA 100 i BETA 100)

- Limits the movement of the crane arms in zones dangerous to the operation of the crane, people or nearby devices and installations
- The arresters are installed "permanently" after analyzing the hazards and working conditions in a way that prevents quick or accidental disassembly
- Additional fixed stops (bumpers) are mounted on the ends of the working part of the arm, limiting the movement of the carriage along the arm

SA Drive automation
(applies to cranes BETA 100)

- For cranes with electromechanical drive of the arm rotation or trolley, it is possible to limit the working field with the use of automation systems
- Restrictions on the operating angle of rotation can be implemented with inductive or limit sensors or with a code dial
- Limitation of the range of movement of the carriage along the arm realized by means of inductive or limit sensors

SO-B Stop (bumper) adjustable
(applies to cranes ALPHA 200-300 i BETA 200-300-400-500)

- Limits the movement of the crane arms in zones dangerous to the operation of the crane, people or nearby devices and installations, or facilitates work by limiting unnecessary arm movements
- The position of the stops is adjusted using screws and mounting holes

SO-C The limiter (bumper) is adjustable
(applies to wall-mounted cranes GAMMA 200-300-400-500)

- Limits the movement of the crane arms in zones dangerous to the operation of the crane, people or nearby devices and installations, or facilitates work by limiting unnecessary arm movements
- The position of the stops is adjusted using screws and mounting holes
- The stop can be mounted on the lower or upper part of the arm

Arm rotation retarder

SP arm rotation retarder (option)

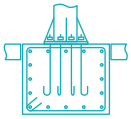
- Can only be used if there is no electric drive for arm rotation
- Prevents sudden or uncontrolled rotation of the arm
- Enables precise positioning of the load
- Standard installed on all crane joints
- Principle of operation: friction with adjustable pressure force

Arm rotation lock

SB arm rotation lock (option)

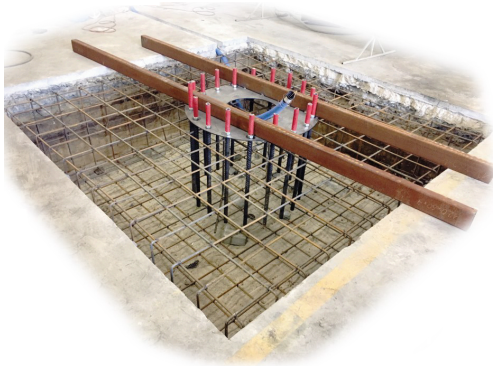
- Allows you to securely lock the arm in the selected position
- Locking using a pin with an eye and a disc with holes at the lower yoke of the arm rotation axis
- The lock can be single-point or multi-point
- By default, the arm is locked at one point in the "straight" position

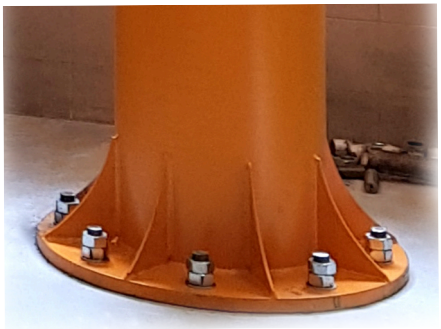
Methods of mounting column cranes



MF Foundation with threaded anchors

- The foundation is a separate building structure that is not part of the crane's commercial offer. Preparation of a suitable foundation is the responsibility of the customer.
- The foundation requires a construction project that takes into account load guidelines, geological and technical-utility conditions. It is required to follow the procedures prescribed by the building regulations.
- A sheet metal template is supplied with the crane to allow precise positioning of the anchors in the foundation when the foundation is poured
- It is possible to run power or signal cables through a cable duct sunk in the foundation in the axis of the crane support column





The cranes are delivered with specific foundation specifications (load guidelines), i.e. maximum axial load Py and maximum moment Mz, on the basis of which the foundation should be designed and constructed or the strength of the floor should be checked.

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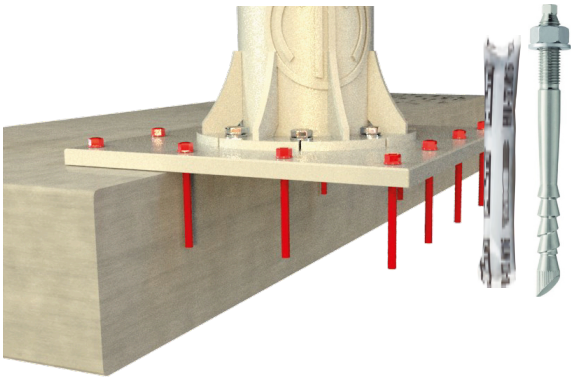
MP Fastening to concrete floor through steel intermediate plate on chemical anchors

- Installation of the intermediate plate is carried out on the basis of the project, taking into account the load guidelines and documentation provided by the customer confirming the strength of the floor

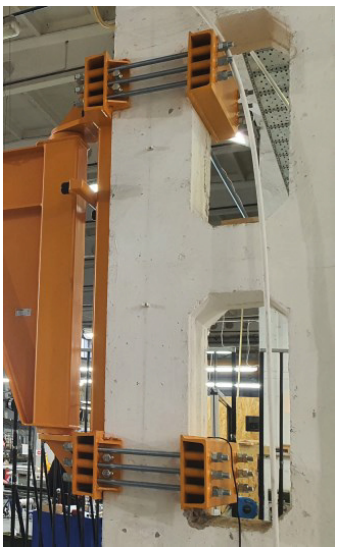


Methods of fixing wall-mounted cranes

Mounting:

- **SD** Bolted to the supporting structure
- **SF** Banded - clamp on threaded rods (optional)

When mounting a crane to a building structure, an analysis must be carried out to take into account the static loads transferred to the structure by the crane.



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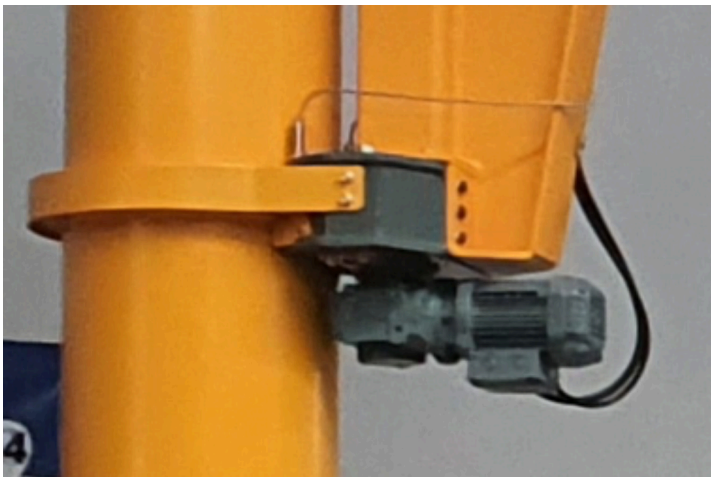
Arm rotation drive

NB manual drive

- Rotation of the arm caused by manual movement of the load or load chain

ND Friction drive (crane BETA 100)

- Electromechanical friction drive with double rollers
- During rotation, the lower part of the arm support moves on a rolling ring mounted on the crane column

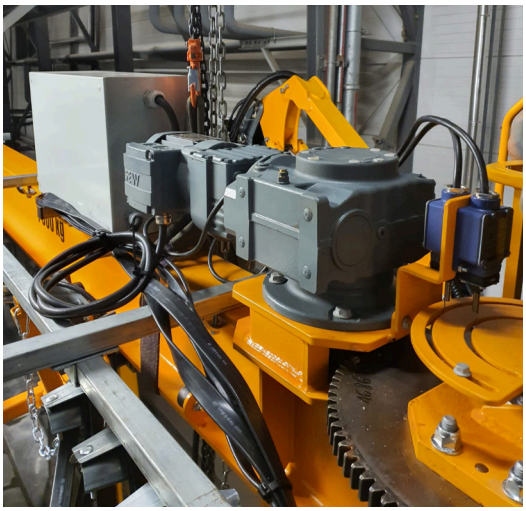


NG Gear drive (crane BETA 100, GAMMA 200)

- Drive with gear transmission in the arm rotation axis
- In BETA 100 cranes, during rotation, the lower part of the arm support moves on a rolling ring mounted on the crane column

Pillar-mounted slewing jib

wall crane GAMMA 200



Electrical equipment

EB1 additional electrical socket

- three-phase electrical socket with rotary disconnector mounted with a steel sheet cover

EB2 additional electrical socket

- three-phase electrical socket with main rotary disconnector and overcurrent protection, voltage monitoring relay and activation button, mounted on an electrical box with an 8-module DIN rail for mounting modular devices of the TH35 system, with a steel sheet cover

SG Additional electrical socket at the hoist

- Three-phase electrical socket at the hoist, enabling power supply of suspended devices, e.g. vacuum grippers with an electric pump

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Examples of realizations












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