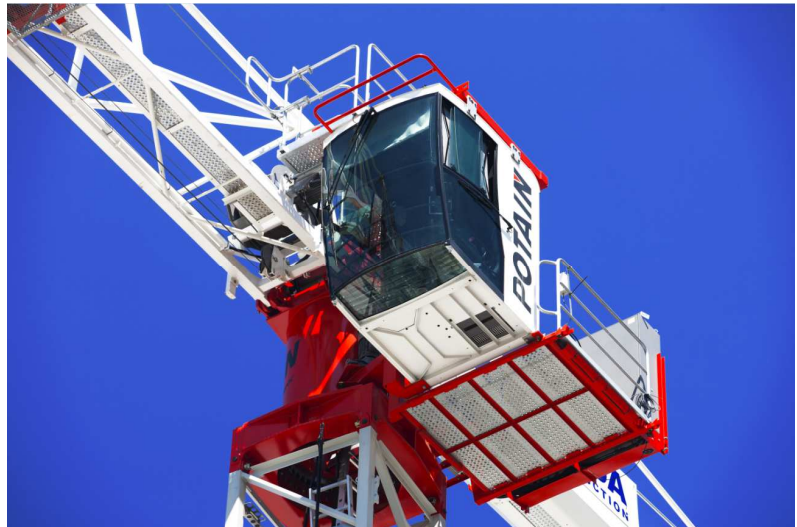


## Quick Reference Catalog

Tower parts

V1. 03/2020





Your contact information  
Manitowoc Crane Care

A large, empty rounded rectangular box with a thin black border, intended for entering contact information. The box is centered horizontally and occupies a significant portion of the lower half of the page.

# Summary

Why the original part rather than the adaptable part?

## Consumables

▪ Greases	.....	12
▪ Grease pump	.....	16
▪ Automatic grease nipples	.....	18
▪ Motorized lubrication	.....	20
▪ Oils	.....	22
▪ Paints	.....	24
▪ Various consumables	.....	28
▪ Set of fixing angles for L mast	.....	30
▪ Set of fixing angles for K mast	.....	32

## Safety

▪ Slewing ring fixing bolts	.....	40
▪ Hydraulic tensioner	.....	42
▪ Slewing ring seal kit	.....	44
▪ Support plate screw jacks protection	.....	46
▪ Daytime and night Hazard lighting	.....	48
▪ Operating camera	.....	52
▪ Anemometer	.....	54
▪ Giant Vision display	.....	56
▪ MC 602	.....	58
▪ Cab indicators	.....	60
▪ TCL+: exterior crane-driver lifting	.....	62
▪ Cab-IN: interior crane driver lifting	.....	63
▪ Antirotation assembly	.....	64
▪ Jib lifting beam	.....	66
▪ Technical instructions	.....	68
▪ Thorough examination	.....	70

# Summary

---

## Options

▪ Support plates	.....	76
▪ Cab heating	.....	78
▪ Refurbished Ultra View cab air conditioning	.....	79
▪ Tirax	.....	80
▪ Remote Controls	.....	82
▪ Batteries and chargers for remote controls	.....	84
▪ Crane Control System Options (CCS)	.....	86
▪ CCS Tool Kit	.....	87
▪ Walkie-Talkie	.....	88

# Advantages

## Why the original part rather than the adaptable part?



All components used in the manufacture of our products comply with specifications established by Manitowoc and has been validated by our technical services in accordance with current standards.



# Advantages

---

## **Advantages of the original part:**

- Safety and traceability,
- Optimum operation in compliance with the manufacturer's specifications,
- Manufacturer's responsibility and warranty,
- Reliability of the repair.

## **Risks of the adaptable part:**

- Security risk,
- Implying higher maintenance costs in the medium term,
- Modification of the crane characteristics,
- Cancellation of the manufacturer's warranty,
- Quality differing from the manufacturer's recommendations,
- Possible malfunctioning due to premature wear,
- No coverage from the manufacturer,
- No appeal possible against the manufacturer

# Notes

---



# Notes

---

# Notes

---

# Consumables

---



# Greases




Greases selected specifically by Manitowoc, respecting the precise specifications defined for each use.




# Greases

## Standard quality for slewing ring bearings G2 type:

<i>E-01032-51*</i>	Cartridge 400 g	<b>H-01032-54</b>	
	Screw Cartridge 400 g	<b>84066032</b>	
	Can 5 kg	<b>G-01032-53</b>	

## High-quality for slewing ring bearings GM type\*\*:

<i>T-61032-74*</i>	Cartridge 400 g	<b>J-61032-65</b>	
	Screw Cartridge 400 g	<b>84066033</b>	
	Can 20 kg	<b>U-61032-75</b>	


## Aerosol for slewing ring gears and teeth P type\*\*:

<i>P-01032-60*</i>	Aerosol 400 ml	<b>S-01032-63</b>	
--------------------	----------------	-------------------	---

## Specially selected for fish joints by pins ATD type\*\*:

<i>N-61032-23*</i>	Can 1 kg	<b>T-61032-05</b>	
	Can 5 kg	<b>84066107</b>	

## Specially selected for reducer S00 type :

<i>H-12032-52*</i>	Tube 250 g	<b>82016145</b>	
	Can 5 kg	<b>J-12032-53</b>	
	Can 50 kg	<b>K-12032-54</b>	

## Specially selected for reducer G0 type :

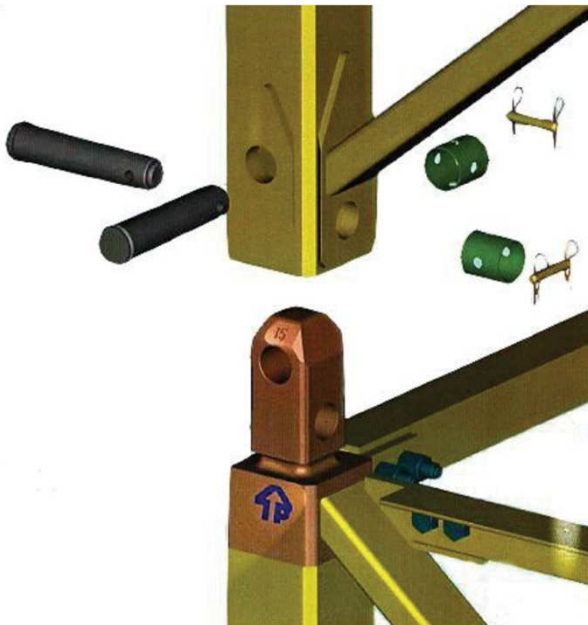
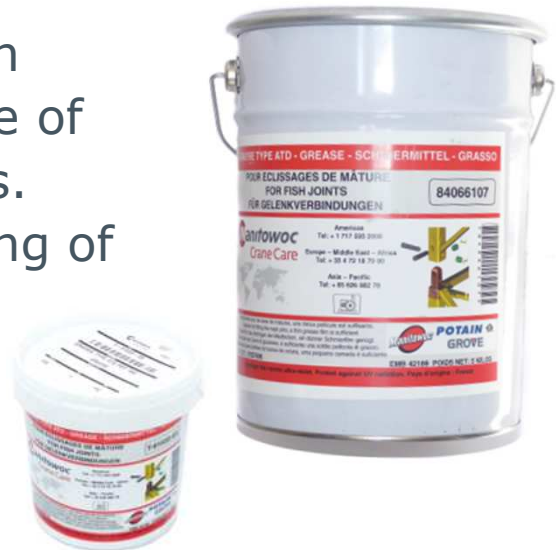
<i>K-12032-08*</i>	Can 1 kg	<b>L-12032-32</b>	
	Can 18 kg	<b>P-12032-12</b>	

\*Material code not sold

\*\*Essential in the inspection vehicles!

# ATD Grease\* for fish joints

Grease, specially designed in order to increase the lifetime of the mast assembling by pins. Making fitting and dismantling of the pins easier.



Very strong adhesive force on the metallic surfaces, ensuring long conservation of the protecting and lubricating film.

Excellent thermal stability : can be used from  $-25^{\circ}\text{C}$  to  $+ 50^{\circ}\text{C}$  and can be stored from  $-40^{\circ}\text{C}$  to  $+ 60^{\circ}$

# ATD Grease\* for fish joints

## Specially selected for fish joints by pins:

ATD type	Can 1 kg	<b>T-61032-05</b>	●
ATD type	Can 5 kg	<b>84066107</b>	

\* To be used at each assembly

# Grease pump\*

Easy to use, convenient and efficient, this pump will be essential to make your greasing operation every day!



This greasing system is easy and clean,  
No hands contact with the grease,  
Optimal ergonomics thanks to the magnetic support,  
Compatible with traditional or screw cartridges

\* Essential in the inspection vehicles!



# Grease pump\*



## Kit content:

1 Pump, 1 Adapter for screw cartridges,  
10 Sealing lids for traditional cartridges,  
1 User guide



**84066027**

## Consumables:

### Traditional cartridge:

G2 type	400 g	<b>H-01032-54</b>	
GM type	400 g	<b>J-61032-65</b>	
Adapter	Box of 24 pieces	<b>84066028</b>	

### Screw cartridge:

G2 type	400 g	<b>84066032</b>	
GM type	400 g	<b>84066033</b>	
Sealing lids		<b>84066029</b>	

\* Essential in the inspection vehicles!

# Automatic grease nipples

Installed instead of grease nipples, it will extend the lifetime of your slewing rings ensuring an efficient greasing by releasing accurate and regular quantities with a specially selected grease.



# Automatic grease nipples

For range GME and GMA.

## Complete Grease Cartridge\*:

Including refill with batteries **J-01458-97**

## Refills\*:

120 cm<sup>3</sup> (3 months) Sold per 4 **Q-62505-40**

250 cm<sup>3</sup> (6 months) Sold per 4 **H-62505-56**

## Reinforced connection:

Refill 250 cm<sup>3</sup> **K-01458-98**

## Reducing adapters:

M 8\*125 **W-75375-57**

M 10\*100 **Q-75375-51**

M 10\*151 **V-75375-56**

For range GME only.

## Grease cartridge electrochemical:

125 cm<sup>3</sup> delivered without batteries **84031284**

For old GMA (HD / GTMR).

## Retrofit kit:

Automatic grease cartridge J-01458-97 and reducing adapters are not included **N-51458-02**

\* Essential in the inspection vehicles!

# Motorized lubrication

This system allows the lubrication of the bearing race and the teeth of your slewing ring with only one grease type.



# Motorized lubrication

## Ring lubrication kits: (4 grease cartridges are included in each kit)

Kit 4 Internal Greasing Points	<b>K-21995-45</b>
Kit 6 Internal Greasing Points	<b>L-21995-46</b>
Kit 8 Internal Greasing Points	<b>M-21995-47</b>
Kit 12 Internal Greasing Points	<b>A-21995-59</b>

## Grease cartridge:

GM type cartridge 400 g	<b>J-61032-65</b>	
-------------------------	-------------------	--

## Tooth lubrication kits:

Kit pinion M10	<b>S-21995-52</b>
Kit pinion M12	<b>U-21995-54</b>
Kit pinion M16	<b>V-21995-55</b>

## CCS cranes

Power-supply option	<b>84004522</b>
---------------------	-----------------

# Oils

Quality oils, respecting precise specifications, selected for a maximum lifetime of your equipment.



All our oils are not miscible with other brands.

## Hydraulic oil for telescoping hydraulic units:

E Standard Type  
*E-12032-26\**

Can 25 l.

**G-12032-28**



F Type  
(Extreme weather conditons)  
*B-01032-48\**

Can 25 l.

**D-01032-50**



*Can also be used for braking devices*

## Hydraulic oil for hydraulic units Hup, IGO, HD cranes:

I Type  
*P-61032-47\**


Can 25 l.

**Q-61032-48**




# Oils


## Oil for reduction gears – RCS Type:

<b>Q-12032-13*</b>	Can 5 l.	<b>W-61032-77</b>	
	Can 25 l.	<b>S-12032-15</b>	

## Oil for reduction gears – HR Type:

<b>H-61032-87*</b>	Can 5 l.	<b>84055632</b>	
	Can 20 l.	<b>C-61032-82</b>	


## Oil for reduction gears – HRA Type:

<b>Q-61032-94*</b>	Can 5 l.	<b>84055662</b>	
	Can 20 l.	<b>R-61032-95</b>	

## Oil for reduction gears - RSC Type:

<b>S-61032-96*</b>	Can 5 l.	<b>84055634</b>	
	Can 25 l.	<b>T-61032-97</b>	

## Oil for reduction gears – RSY Type

<b>C-61032-36*</b>	Can 5 l.	<b>84055633</b>	
	Can 25 l.	<b>M-61032-91</b>	
	Drum 208 l.	<b>B-61035-35</b>	

## Oil for reduction gears construction hoist

<b>TCL</b>	Can 5 l.	<b>84055313</b>
------------	----------	-----------------

\* Material code not sold

# Paints



Products of quality selected for a longer lifetime of your cranes.



# Paints

## POTAIN yellow paint SPU FIN THES:

For cranes supplied after 1992	Can 13,5 kg	<b>84061724</b>
--------------------------------	-------------	-----------------

## Hardening agent for polyurethane lacquer:

	Can 5 kg	<b>84012719</b>
--	----------	-----------------

## Solvent:

Paint thinner X400	Can 5 l	<b>F-11034-99</b>
--------------------	---------	-------------------

## POTAIN grey lacquer GL /SP:

For cranes supplied after 1992	Can 25 kg	<b>84061724</b>
--------------------------------	-----------	-----------------

For cranes supplied after 2000	Can 18 kg	<b>84004813</b>
--------------------------------	-----------	-----------------

## POTAIN grey lacquer GL /SP:

For cranes prior to 1992	Can 25 kg	<b>F-01034-82</b>
--------------------------	-----------	-------------------

## POTAIN yellow lacquer\*92:

Aerosol	400 ml	<b>82028322</b>
---------	--------	-----------------

\* Essential in the inspection vehicles!

# Paints

## **POTAIN grey lacquer\*:**

Aerosol	400 ml	<b>Z-67034-18</b>
---------	--------	-------------------

## **POTAIN galvanised lacquer\*:**

Aerosol	500 ml	<b>82013254</b>
---------	--------	-----------------

## **White :**

Aerosol	150 ml	<b>E-11034-98</b>
---------	--------	-------------------

Polyurethane lacquer	Can 18 kg	<b>84004817</b>
----------------------	-----------	-----------------

## **Blue :**

Aerosol	400 ml	<b>82001191</b>
---------	--------	-----------------

## **Primer grey:**

Aerosol	400 ml	<b>82021847</b>
---------	--------	-----------------

## **Peinture balisage diurne :**

Red	Can 20 kg	<b>X-67034-63</b>
-----	-----------	-------------------

White	Can 20 kg	<b>C-67034-67</b>
-------	-----------	-------------------

\* Essential in the inspection vehicles!

# Notes

---

# Various consumables



Products selected by Maniowoc Crane Care for usual and regular maintenance of your equipment.



# Various consumables

## Lubricant ropes\*:

LC Type	Aerosol 400 ml	<b>P-61032-70</b>
---------	----------------	-------------------

## Anti-sieze compound\*:

	Aerosol 400 ml	<b>K-01035-78</b>
--	----------------	-------------------

## Penetrating oil\*:

	Aerosol 400 ml	<b>E-01035-27</b>
--	----------------	-------------------

## Fast metal adhesive:

Bottle	75 ml	<b>R-12035-36</b>
--------	-------	-------------------

## Mastic adhesive:

D8	Roll 6 m	<b>V-02031-32</b>
----	----------	-------------------

## Insulating adhesive tape\*:

Set 10 insulating adhesive tapes		<b>B-61031-43</b>
----------------------------------	--	-------------------

\* Essential in the inspection vehicles!

# Set of fixing angles for L mast

Discover our full range of sets of fixing angles for L mast, with or without pin!



You have pins in stock and you want to reuse them?

Order only a set of bare fixing angles and economize the price of pins!

# Set of fixing angles for L mast

## P12B :

*B-77109-81\**

Fixing angles  
without pins

**84063457**

Kit pins + shafts\*\*

**84063462**

## P12C :

*Z-30110-90\**

Fixing angles  
without pins

**84063458**

Kit pins + shafts\*\*

**84063463**

## P12D / P16A :

*P-75110-31\**

Fixing angles  
without pins

**84063459**

Kit pins + shafts\*\*

**84063463**

## P12E / P20A :

*A-22101-39\**

Fixing angles  
without pins

**84063460**

Kit pins + shafts\*\*

**84063464**

## P12ER / P16E / P21A :

*N-82662-81\**

Fixing angles  
without pins

**84063461**

Kit pins + shafts\*\*

**84063464**

\* Please note, the old equipped code can no longer be ordered anymore!

\*\* Kit containing 8 pins + 4 shafts + 4 safety-pins

# Set of fixing angles for K mast

For more flexible management of your equipment, we propose equipped fixing angles in the form of a kit.



1 kit of 4 unequipped fixing angles



1 fishplate kit



1 pin kit



# Set of fixing angles for K mast

## P41A :

U-61109-57*	Unequipped fixing angles set	<b>W-61109-59</b>
	Fishplate kit	<b>84070143</b>
	Pin kit	<b>84070146</b>

## P41A Tirax :

V-61109-58*	Unequipped fixing angles set	<b>W-61109-59</b>
	Fishplate kit	<b>84070143</b>
	Pin kit	<b>84070147</b>

## P61B :

82031776*	Unequipped fixing angles set	<b>82031909</b>
	Fishplate kit	<b>84070144</b>
	Pin kit	<b>84070148</b>

## P61B Tirax :

82031775*	Unequipped fixing angles set	<b>82031909</b>
	Fishplate kit	<b>84070144</b>
	Pin kit	<b>84070149</b>

## P62 US:

82031753*	Unequipped fixing angles set	<b>82032533</b>
	Fishplate kit	<b>84070144</b>
	Pin kit	<b>84070149</b>

\* Please note, the old equipped code can no longer be ordered anymore!

# Set of fixing angles for K mast

## P62B :

82028042*	Unequipped fixing angles set	<b>82028835</b>
	Fishplate kit	<b>84070144</b>
	Pin kit	<b>84070150</b>

## P62B Tirax :

82028041*	Unequipped fixing angles set	<b>82028835</b>
	Fishplate kit	<b>84070144</b>
	Pin kit	<b>84070151</b>

## P800B :

82019608*	Unequipped fixing angles set	<b>82025958</b>
	Fishplate kit	<b>84070144</b>
	Pin kit	<b>84070152</b>

## P800B Tirax :

82019609*	Unequipped fixing angles set	<b>82025958</b>
	Fishplate kit	<b>84070144</b>
	Pin kit	<b>84070153</b>

## P800B1 US:

82019598*	Unequipped fixing angles set	<b>82025958</b>
	Fishplate kit	<b>84070144</b>
	Pin kit	<b>84070152</b>

\* Please note, the old equipped code can no longer be ordered anymore!

# Set of fixing angles for K mast

## P850A :

<i>H-20680-29*</i>	Unequipped fixing angles set	<b>82014499</b>
	Fishplate kit	<b>84070145</b>
	Pin kit	<b>84070154</b>

## P850A Tirax :

<i>B-18680-61*</i>	Unequipped fixing angles set	<b>82014499</b>
	Fishplate kit	<b>84070145</b>
	Pin kit	<b>84070155</b>

## P850 US :

<i>W-14108-17*</i>	Unequipped fixing angles set	<b>82014500</b>
	Fishplate kit	<b>84070145</b>
	Pin kit	<b>84070155</b>

## P854A :

<i>84071645*</i>	Unequipped fixing angles set	<b>84071651</b>
	Fishplate kit	<b>84070145</b>
	Pin kit	<b>84070154</b>

## P854A Tirax :

<i>84071646*</i>	Unequipped fixing angles set	<b>84071651</b>
	Fishplate kit	<b>84070145</b>
	Pin kit	<b>84070155</b>

\* Please note, the old equipped code can no longer be ordered anymore!

# Notes

---

# Notes

---

# Notes

---

# Safety

---



# Slewing ring fixing bolts



Choose bolts specially selected,  
adapted to your crane with a  
traceable serial number stamped  
on the bolt head.





# Slewing ring fixing bolts

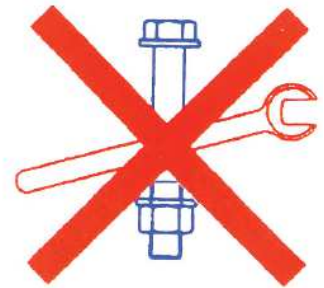
## Let regularly check or change your bolts for slewing ring

### Follow the manufacturer's recommendations:

- \* Verification of the tightening of the slewing ring bolts every year, following the instructions in **Chapter 65E "Slewing ring fixing bolts"** or **paragraph "Slewing ring fixing bolts"** of your catalog that comes with the crane.
- \* Systematic preventive exchange of the slewing ring bolts **untreated** every 8 years or after 16000 hours of operation of the machine.
- \* Systematic preventive exchange of the slewing ring bolts **treated** every 12 years or after 24000 hours of operation of the machine.
- \* Systematic exchange of the slewing ring bolts by change of the slewing ring of the crane, unless specific instructions from Manitowoc.

# Hydraulic tensioner for slewing ring bolts

Hydraulic tensioner is essential tool for tightening hydraulic tension bolts on slewing ring.



# Hydraulic tensioner for slewing ring bolts

Manitowoc offers two different types of tensioners for M20 to M27 bolts with a single high-pressure hand pump.

## Tensioners:

For bolts M20, M22 and M24 **82017093**

For bolts M27 **82017094**

## High pressure hand pump\*:

**U-64435-37**

## Hydraulic oil LHM300\*:

Can 5 l.

**84062679**



\* Two-stage high pressure (150MPa), equipped with oil pressure gauge rapid connector, self-closing-high pressure hose length 3m.

To use this material, please refer to the maintenance section of your crane manual which defines precisely the general rules for tightening your slewing ring bolts.

# Slewing ring seal kit

This slewing ring seal kit is for use with GMA-GME cranes of the Potain brand.



You order the entire assembly and only replace those items used. You therefore always have everything you need for your operations.

# Slewing ring seal kit

Protection of the bearing tracks and maintenance of grease in the travel path.

## Slewing ring seal kit:

**84034143**

## Composed slewing ring seals\*:

**Z-61031-41**  
**V-61031-15**  
**Q-61031-79**  
**Q-61031-56**  
**G-15031-02**

## Cyanlolite\*\*:

Bottle 20 gr

**H-12035-05**

## lidded box:

**84034044**

\* seals with lengths of 2 x 7 meters.

\*\* 2 bottles

# Support plate screw jacks protection

The protection bellows preserves the screw thread from dust and concrete. Compatible with chassis ZC4230, ZD4230, ZD463 et ZX6830.



**The protection bellows:**

**84058203**

The setting of support plates remains easy even after several construction sites usages. The assembly is possible on a crane in operation.

# Notes

---

# Daytime and night Hazard lighting for tower cranes

The LED night hazard lighting medium intensity is dedicated for a day and nighttime, the secure power of which is integrated in an external stainless steel enclosure.



In accordance with ICAO medium intensity type A and B, FAA L864/L865 flashing lights.



# Daytime hazard lighting for tower cranes

## Characteristics:

This hazard lighting included:

- 1 flashead bi-color (6 projectors red 2000 Cd / white 20000 Cd), aluminium body,
- 1 power control panel with batteries,
- 6 m cable,
- Automatic day/night switch with photocell,
- Easy installation and maintenance.

Connecting cable between hazard lighting and control panel (additional cable)

## Daytime hazard lighting:

**84017772**

## GMA, GMR and GTMR cranes:

Order 40 m cable\*

**84036587**

**\*For longer lengths, please get in touch with your usual contact.**

# Night hazard lighting for tower cranes

The hazard lighting allows — thanks to the proposed light range — to meet the requirements of the ICAO and the FAA for a daytime, night or mixed hazard lighting.



*The approval of the system by the local authority of commercial aviation is under the supervision of the customer.*

# Night hazard lighting for tower cranes

## Characteristics:

- Box: system of protection IP55
- Dimensions: 415 X 600 X 300 mm
- 2 batteries 12 V 90 Ah

## Night Hazard lighting:

Complete set is composed: **82018326**

- 3 red, low-intensity obstruction lights of type A,
- 3 inox light supports,
- 1 complete control panel with batteries of at least 100 hours discharge time,
- 200 m cable.

## The various light types\*:

Continuous red light of low luminous intensity:

- Type A 10 Cd IP 66 **82018334**
- Type B 35 Cd IP 66 **82019122**

**\*Other lights can be proposed on request.**

## Control panel with batteries:

**82018329**

Supply voltage: 110V to 400V compatible 50 à 60Hz,  
Light output voltage: 24V DC,  
Possible discharge time of 15 (type B light) to 100 hours (type A light) in continuous operation.

## Light support:

Sold alone: **82018336**

# Operating camera



Driving assistance: Work safely, while improving the productivity!

Optimal view allowing to not depend only on instructions transmitted orally.



Accurate vision of the load position, of the hook and the unloading area.

Reliable radio link with perfect picture in real time.

# Operating camera

---

## For distributing cranes:

Camera kit

**84060746**

Package containing camera, batteries, radio link and accessories, LED screen 12" and auto-contact pack.

## Optional solar panel:

Mounted on the trolley together with the battery pack: automatic power supply of the camera without any manual intervention.

**J-85985-58**

## For luffing jib cranes:

Camera kit

**84060747**

Package containing camera, feed, cable link and tilting support, LED screen 12".

# Dialog Wind Anemometer

Compulsory in order to warn about the risk of overturning of cranes or involuntary movement of the load in high winds, this is indispensable to safety\*.



**\*For any request, please get in touch with your usual contact.**

# Dialog Wind Anemometer

---

## Sturdy and reliable:

- Digital system
- Tested and certified by the CETIAT
- Complete basic assembly with cables: **H-68416-10**

## Options :

Repeater: **Q-68416-17**

Additional display box (wire link, cable 60m)

## For cranes with collector, we propose a solution with radio repeater

Pack including: sensor + alarm bock + main display + repeater display **F-71406-54**

# Giant Vision display for all brands and types of tower cranes

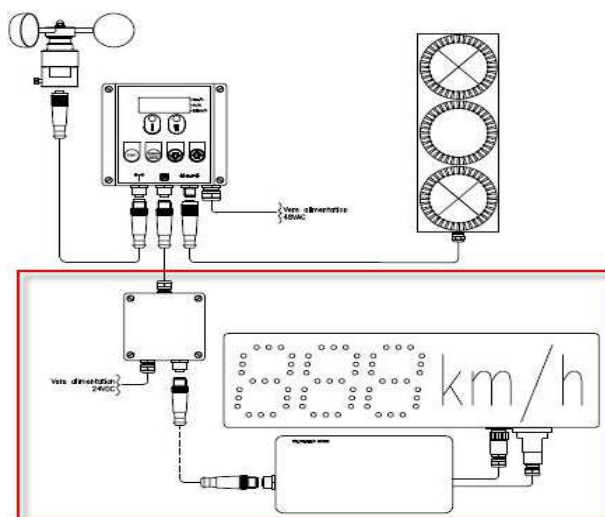
Giant Vision display indicates the wind speed on a large led screen.



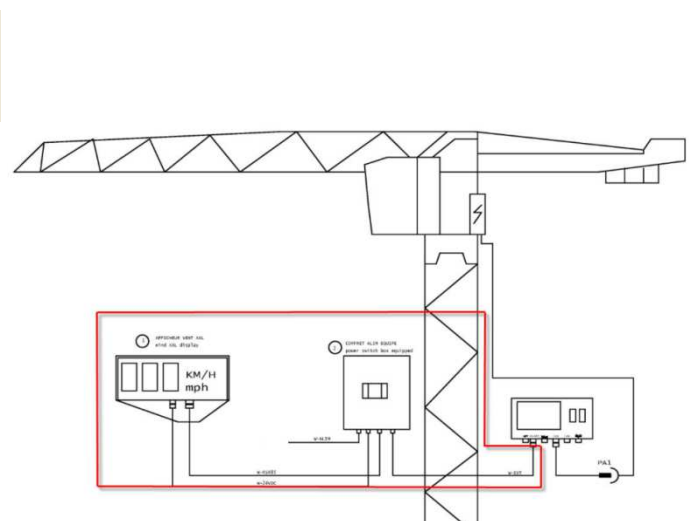
**Limits** the amplified danger of accidents during extreme weather conditions

**Visible** by all people on the site up to 50 meters, all times of day and night

Crane without CCS



CCS Crane





# Giant Vision display for all brands and types of tower cranes

## Crane without CCS

XXL wind display:

**84002612**

Complement:

**For any request, please get in touch with your usual contact.**

## CCS Crane

XXL wind display:

**84042786**

Switch box:

**84043689**

Crane foot display, software version > V1.5.5.

**For any request, please get in touch with your usual contact.**

## MR Refresh (MRXX8) crane \*:

**\*For any request, please get in touch with your usual contact.**

# MC602 System anticollision

MC602\* more user friendly, able to communicate with the previous Top Tracing I and Top Tracing II systems.

This new system allows to prevent the danger of collision between the cranes, but also to limit the crane working zone in order to avoid forbidden overslewing of buildings, aerial lines.

Display



Computer



**\*For any request, please get in touch with your usual contact**

# Notes

---

# Cab indicators

Make your cranes comply with the article R.233-20 of the labour code : requires the mounting of efficient and performance indicators in the cab.



# Cab indicators

## Cab indicator kit "Dialog Visu":

Standard assembly including display, interface block, connecting cable and rail DIN.

**H-47113-50**

This kit will be completed with an additional set (connecting cable, sensors...) to be defined according to the crane type, its initial composition of the existing safety devices.

**For any request, please get in touch with your usual contact.**

## Anemometer option:

Wind

**U-02670-48**

Anemometer sensor, cable and support allow the reading of speed wind on cab indicator.

## External signaling kit:

Wind signaling kit

**P-68416-16**

Adaptor connects to visu

**N-63522-90**

## Option repeater on crane foot:

Repeater kit wind

**Q-68416-17**

Supply

**U-68416-21**

Bloc can visu

**Q-72406-21**

# Tower Crane Lift (TCL+) : the motorized external construction hoist ergonomic



The new model TCL+ is developed and distributed for your all Potain tower cranes.

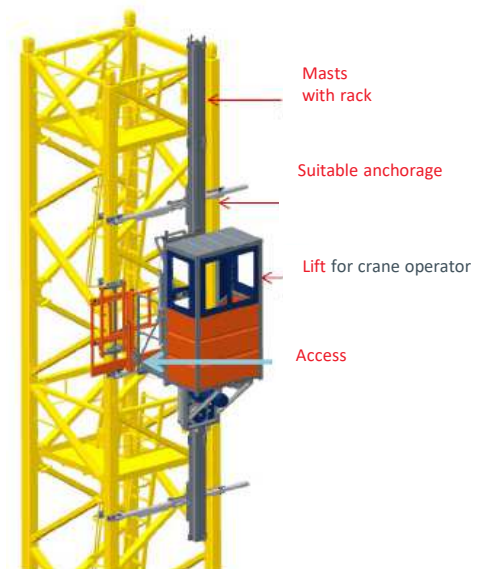
Fits all K mast sections on tower cranes (for other masts or mixed masts, please contact us).

Reversible cab (opening door left or right)

In compliance with applicable standards and recommendations\*

Easily adaptable equipment for reduced fitting time:

- Fitted on the exterior of the mast section, using the crane or independently with an optional derrick. No modification of the mast sections is required.
- Lightweight and adaptable anchorage parts, identical for all mast sections. Large gap between anchorages, for reduced fitting time.
- Fast connection of the galvanized rack mast sections using captive screws.
- A retrofit kit is also available for the classic TCL.
- Compliant with the crane lift standard EN 81-43.



• In France: in accordance with recommendation R.495. From January 1, 2019, motorized access is mandatory if the crane cab requires an ascent of more than 30 m.

# New interior crane-driver lifting equipment



New interior crane-driver lifting equipment for Potain mast sections, compatible with all K mast sections (1,6 m, 2 m et 2,45 m) with new and old access.

Option to retrofit the existing mast sections to change these into Cab-IN mast sections: contact us.

- Installation of the crane-driver lifting equipment is carried out at the same time as the crane and alongside the access ladders
- No extra transport and storage costs as the Cab-IN stays permanently in the masts.

Optimal management of the mast section fleet, compatible with:

- All current mast section bases (fixing angles, chassis and cross-shaped bases).

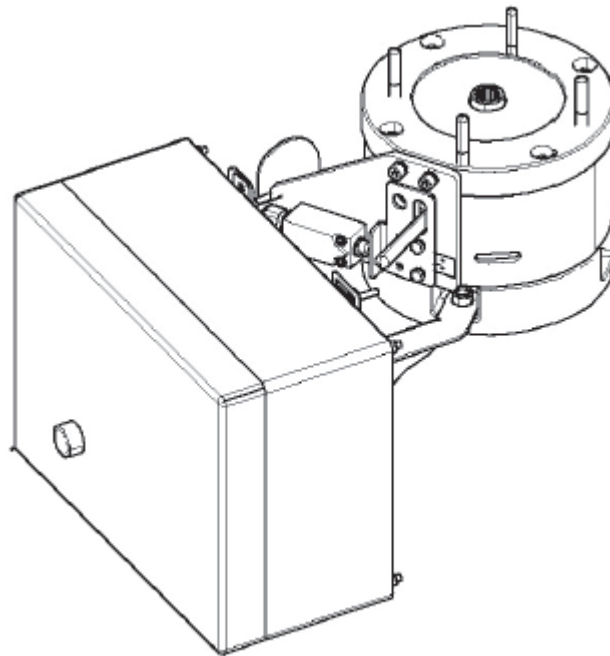


- Arrival/departure platforms enclosure.
- Upper and lower sensors on the lift cab for safety when in use.
- 360° visibility from the crane-driver lifting equipment interior for inspecting the mast sections.
- Drive unit maintenance from the inside of the crane-driver lifting equipment.

# Antirotation Assembly

This system is an additional brake mounted between the gearbox and the slewing motor.

It aims to limit the “autogiration” or “uncontrolled spinning” of the slewing part of the crane when left in weathervane and is exposed to abnormal wind effects on site.



The device is set up specifically for each configuration of crane and at each site. At each dismantling of the crane, it is compulsory to disable the system or remove it.

The adjustment values are defined by the technical support of Manitowoc Crane Care.



# Antirotation Assembly

---

The antirotation assembly is composed of « antirotation » Mechanism, electrical panel, electrical panel bracket.

## Antirotation assembly:

For flanges 200 mm (SL1)

**82007096**

For flanges 250 mm (LP2)

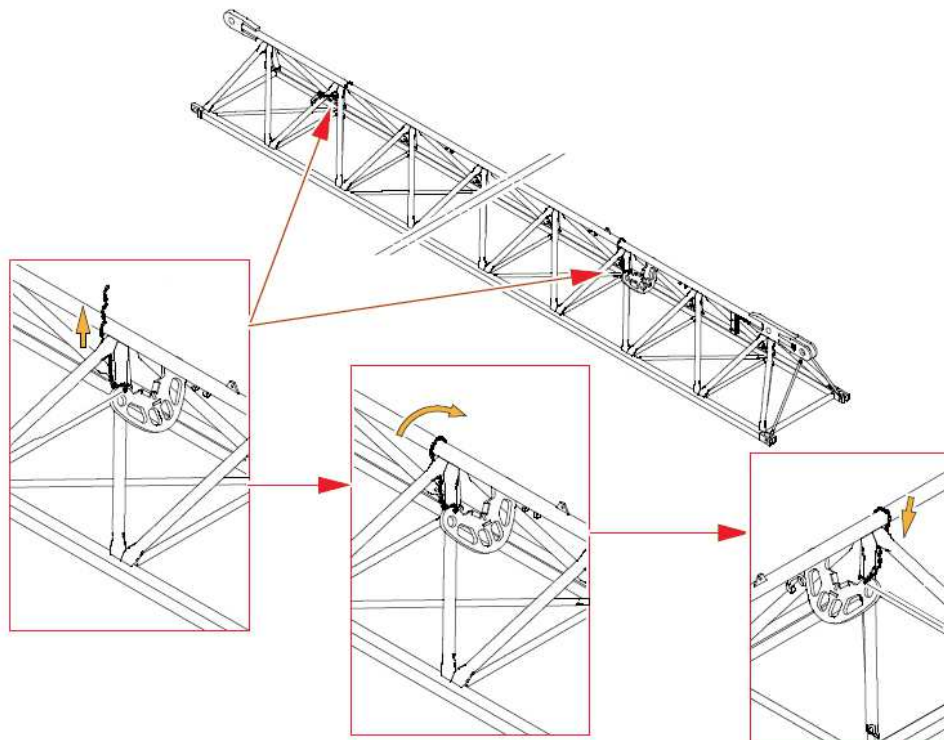
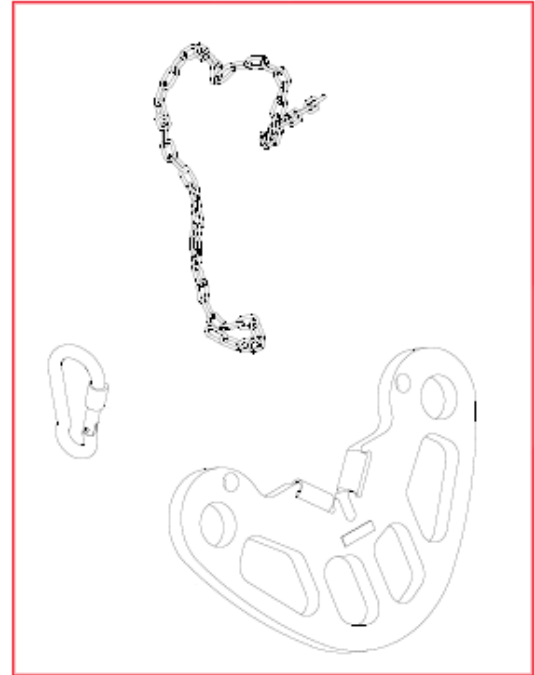
**82007097**

# Jib lifting beam

Reinforce safety on your site by using a lifting beam.

Handling and shifting crane elements are delicate exercises which can cause accidents.

In order to minimize the danger and to improve safety on your site, Manitowoc proposes a jib lifting beam.



# Jib lifting beam

---

## Jib lifting beam:

For round bar of 40 mm to 170 mm.  
Max. load per lifting beam: 17500 daN.  
Weight per lifting beam: 30 kg.

**84003496**

## Advantages:

Secures the slinging operation, especially for double tie bar lines. The beam separates the chains allowing room for the tie bars to lift without catching the chains.

# Technical instructions

Systematically supplied with the new cranes, they are carried out in perfect accordance with the crane composition.



They also can be supplied on request.



"The company manager must put at the disposal of qualified persons which are in charge of the inspections, tests and proofs to be carried out, the required documents such as the manufacturer's instructions, conformity declaration or certificate, the reports of the previous inspections and the maintenance log-book of the machines".

Extract of the decree of March 1st, 2004 (J.O. N°77 of March 31,2004, page 6189, text N°25) Article 3,b.

# Technical instructions

---

## Cranes manufactured after 1992:

For GMA cranes **C-62985-29**

For GME cranes **E-62985-31**

## Cranes manufactured in 1992 or prior to 1992:

For GMA cranes **D-62985-30**

For GME cranes **F-62985-32**

## The complete sets of manuals in form of a USB stick:

For cranes manufactured after 1992 **84070396**

# Thorough examination

**The objective of thorough examination is avoid a crane accident. We classify the risk in 4 areas :**

1. Collapse of the crane,
2. Collapse of the load,
3. Uncontrolled movement,
4. Safety of operators (crane operators, planners, technicians).

**Manitowoc owns specific stock of mechanical items dedicated to thorough maintenance examination of old tower cranes for brands Potain, BPR, Cadillon and BKT:**

- \* Reducer,
- \* Drum,
- \* Motor,
- \* Brake,
- \* Transmission / Gearbox.

The thorough examination of tower cranes is defined  
by law on 3 March 2004  
concerning thorough examination of tower cranes

- \* This technical maintenance can be perform  
by our Manitowoc technicians

# Notes

---

# Notes

---



# Notes

---

# Notes

---

# Options

---



# Support plates

Made from composite material, light and strong, They are a better substitute for wooden plates which are usually used for wedging cranes or other mobile cranes.



Support plates exist in rectangular models, round and planks.



# Support plates

## Rectangular models – Set of 4 plates:

1000*750*50 mm	38 kg/plate	<b>Z-82985-60</b>
1000*1200*60 mm	72 kg/plate	<b>W-82985-58</b>
1000*1200*80 mm	96 kg/plate	<b>D-83985-22</b>

## Square models – Set of 4 plates:

600*600*40 mm	15 kg/plate	<b>V-82985-57</b>
600*600*60 mm	21,5 kg/plate	<b>X-86985-98</b>
600*600*80 mm	28,5 kg/plate	<b>J-86985-39</b>
750*750*50 mm	28 kg/plate	<b>F-83985-93</b>
800*800*40 mm	25,5 kg/plate	<b>E-86985-12</b>
800*800*50 mm	32 kg/plate	<b>C-86985-56</b>
800*800*60 mm	38 kg/plate	<b>Z-86985-76</b>
1000*1000*50 mm	50 kg/plate	<b>N-87985-24</b>
1400*1400*100 mm	200 kg/plate	<b>82029208</b>

## Square model – Set of 2 plates:

400*400*50 mm	8 kg/plate	<b>S-86985-70</b>
---------------	------------	-------------------

## Round models - Set of 4 plates:

Ø 700 - 50 mm	19 kg/plate	<b>82008919</b>
Ø 800 - 50 mm	25 kg/plate	<b>82003476</b>
Ø 900 - 40 mm	25 kg/plate	<b>A-86985-54</b>
Ø 900 - 60 mm	38 kg/plate	<b>B-86985-55</b>
Ø 1000 - 80 mm	62 kg/plate	<b>W-85985-24</b>
Ø 1200 - 60 mm	68 kg/plate	<b>82003475</b>
Ø 1200 - 80 mm	95 kg/plate	<b>03142474</b>

## Planks– Set of 4 plates:

1200*330*80 mm	32 kg/plate	<b>B-84985-24</b>
----------------	-------------	-------------------

# Cab heating

A quality heating device,  
specially selected for crane cabs.

## Cab heating:

Power : 2000 W  
Size : 253\*253\*164 mm  
Weight : 5.5 kg  
Low noise level : 50 dB  
Ventilation function for the summer  
Room thermostat control

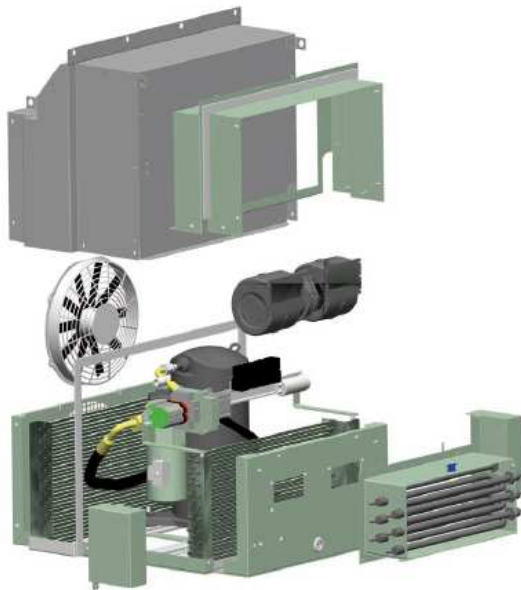
**Q-15418-19**



# Refurbished Ultra View cab air conditioning



We provide you a refurbished cab air conditioning\*:



**84040341**

**\*For any request, please get in touch with your usual contact**

# Tirax 80

Tirax is a tool, which allows to insert and to extract mast pins\* (1,6 m, 2 m or 2,45 m) without effort, in safety and near silent.



\* Requires use of special pins equipped with gripping heads



# Tirax 80

---

## Complete tirax:

Tool consisting of a hydraulic cylinder of traction with gripping jaws.

**D-44384-51**

Supplied by portable hydraulic unit connected by sleeved hoses.

# Remote controls

Especially adapted to your cranes, either recent or old ones and taking into account the features of each of the mechanisms.



# Remote controls

---

Tell us the model and serial number of your crane, and we will indicate the part number and price of the remote control which suits.

## 4 remote-control ranges are proposed:

### **PRB1:**

For small cranes (and overhead travelling cranes)

### **PRC:**

For ranges GMA: HDT and GTMR

### **PRS or PRM:**

For ranges GME: MD, MDT and MR

### **V3 and CCS:**

For ranges GME: MD and MDT

## Composition kit remote-control:

- 1 transmitter ( PRB, PRC, PRM or PRS),
- 1 receiver (connector included),
- 1 charger,
- 2 batteries.

# Batteries and chargers for remote controls



D



C

We offer 3 types of batteries and chargers for remote controls depending of your crane generation.



A



B

# Batteries and chargers for remote controls

## Charger 110 / 220 V P8:

Voltage 9,6 V

D

**F-63418-87**

## Battery 9,6 V / 1,2 Ah:

150\*60\*20 mm

A

**D-63418-85**

## Charger 110 / 220 V / 300 MAh:

Voltage 9,6 V

C

**A-63418-59**

## Battery 9,6 V / 0,6 Ah:

60\*60\*20 mm

B

**Z-63418-58**

## Charger 110 / 220 V:

Voltage 3,6 V

C

**N-63418-94**

## Battery 3,6 V / 2,0 Ah:

50\*60\*20 mm

B

**84043425**

# CCS options



🔒 Top site

**84028029**

Software Version > 1.5r7.  
Software upgrade possible\*



TT3

Defined according to your crane\*

Software Version > 1.5r7.  
Software upgrade possible\*



**CraneSTAR**  
**84038397** Diag



**84010450**

Recorder  
**84028031**

**\*For any request, please get in touch  
with your usual contact**

# Crane Control System tool kit (CCS)

Cranes equipped of Crane Control System (CCS) technology require specific tools to realize maintenance.

## CCS tool kit:

This backpack, practical and ergonomic, included all essential tooling troubleshooting CCS cranes (20 toolings, accessories, connections kit, contacts ...)

**84054165**



All the elements contained in this kit\* are also available for sale separately:



\*For further information on the content of this kit (tool details, references, use...), Please refer to 'CCS Tools Catalogue' (included on tool kit or available upon request )

# Walkie-talkies



For a true communication between crane driver and slinger, our walkie-talkies offer guarantee of optimum productivity.

This model was selected by our own after sales service that uses it regularly in its interventions on cranes.

Our kit is included:

- 2 transmitters - receivers
- 2 rechargeable batteries NiMH
- 1 dual charger (2 USB micro connexions)
- 2 belt clips.

## Kit walkie-talkie:

Power 500 mW, allows to communicate up to 10 km distance, 18h battery life.

**82005259**





# Notes

---

# Notes

---

# Notes

---

# Notes

---

# Notes

---

# Notes

---

# Documentation and giveaways on line

Manitowoc Direct is the ultimate resource center for all the sales and marketing information you'll need for your Manitowoc Cranes.

Website:

<https://www.manitowoccranes.com/en-GB>

The screenshot shows the Manitowoc website homepage. At the top, there is a navigation bar with the Manitowoc logo and links for Dealer Locator, Manitowoc Direct Log In, Europe - English (change), and a search box. Below the navigation bar, there are several sections: a main banner for 'NEW L WINCH' featuring a large crane, a list of product categories (Grove Mobile Telescopic Cranes, Manitowoc Lattice Boom Crawler Cranes, National Crane Boom Trucks, Potain Tower Cranes), a news section with two articles, a 'REAL SUPPORT' section with links to contact centers, training, and technical publications, and a 'Revolutionize the Residential Home Building Market' section. The footer contains links for Manitowoc Direct Login, Careers, Investors, SiteMap, Contact Us, Privacy Policy, and Cookie Policy, along with social media icons for LinkedIn, Facebook, and YouTube.

You can find our giveaways also on our website:

<http://www.manitowoc-shop.eu>

The screenshot shows the Manitowoc Shop website. At the top, there are logos for GROVE, Manitowoc, and POTAIN. Below the logos, there is a navigation bar with links for HOME, SPECIAL REQUEST, and MY ACCOUNT. The main content area features a large 'POTAIN by Manitowoc' logo. On the left side, there is a sidebar with a category tree for POTAIN, including Models, Apparel & safety, Tools & accessories, and Luggage. Below the sidebar, there are four subcategory tiles: MODELS (with a crane image), APPAREL & SAFETY (with a blue t-shirt image), TOOLS & ACCESSORIES (with a measuring tape image), and LUGGAGE (with a red backpack image).

## Regional headquarters

### Americas

Milwaukee, Wisconsin, USA  
Tel: +1 920 684 6621  
Fax: +1 920 683 6277

Shady Grove,  
Pennsylvania, USA  
Tel: +1 717 597 8121  
Fax: +1 717 597 4062

### Europe and Africa

Dardilly, France - TOWERS  
Tel: +33 (0)4 72 18 20 20  
Fax: +33 (0)4 72 18 20 00

Wilhelmshaven,  
Germany - MOBILE  
Tel: +49 (0) 4421 294 0  
Fax: +49 (0) 4421 294 4301

### APAC

Shanghai, China  
Tel: +86 21 6457 0066  
Fax: +86 21 6457 4955

Singapore  
Tel: +65 6264 1188  
Fax: +65 6862 4040

### Middle East and India

Dubai, UAE  
Tel: +971 4 8862677  
Fax: +971 4 8862678/79

## Parts offices

### France

Manitowoc Crane Care  
France SAS  
Tel (FR): +33 (0)4 72 81 51 51  
Tel (EN): +33 (0)4 72 81 51 50

### Germany

Manitowoc Crane Group  
Germany GmbH  
Tel: +49 (0) 21 73 8909-0

### Italy

Manitowoc Crane Group  
Italy Srl  
Tel: +39 174 26 166

### Poland

Manitowoc Crane Group  
Poland Sp. z o.o  
Tel: +48 22 843 3824

### Portugal

Manitowoc Crane Group  
Portugal Lda  
Tel: +35 1 22 96 98 840

### Russia

Manitowoc Crane Group  
CIS  
Tel: +7 495 641 23 59

### The Netherlands

Manitowoc Crane Group  
Netherlands B.V.  
Tel: +31 (0) 76 5783999

### U.A.E.

Manitowoc Crane Group  
ME FZE  
Tel: +971 4 8862677

### United Kingdom

Manitowoc Crane Group  
(UK) Ltd  
Tel: +44 1280 81 88 30



This document is non-contractual. Constant improvement and engineering progress make it necessary that we reserve the right to make specification, equipment, and price changes without notice. Illustrations shown may include optional equipment and accessories and may not include all standard equipment.