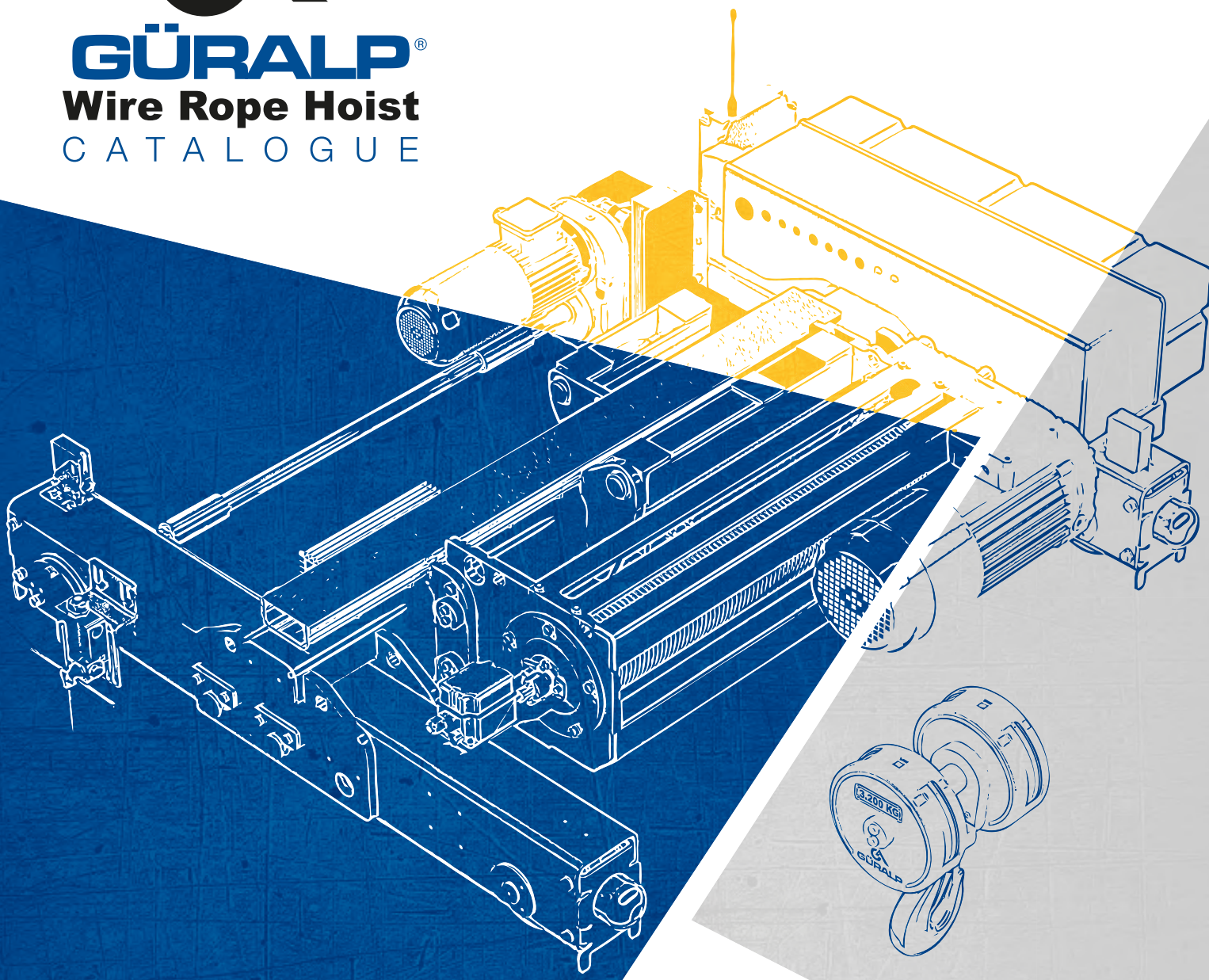
GÜRALP®

Wire Rope Hoist

CATALOGUE



WEST CRANE Services Pty Ltd
REC 15514

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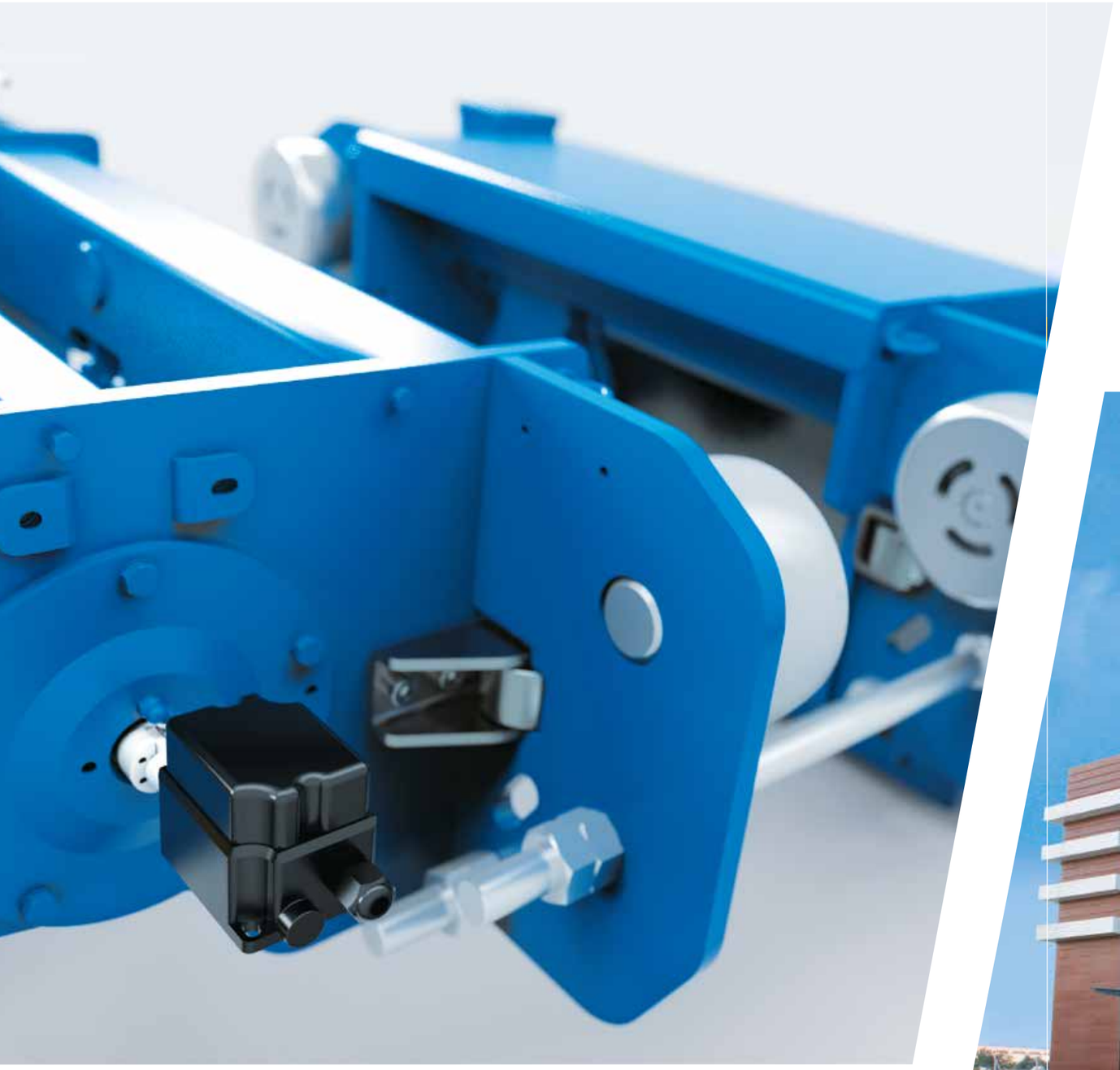
24/7 Emergency Services



Discover the power of technology

Founded in **1991**

Guralp is the first **R&D** centre in Turkeys overhead crane industry

With Branches on 3 continents and service providers, worldwide our world class production facility now presents the all new **GURALP**

Hoist selection catalogue with new and exciting options...

WEST CRANE Services Pty Ltd REC 15514

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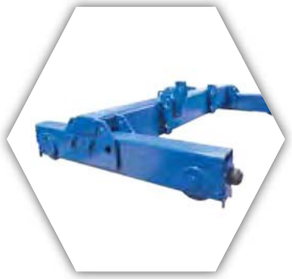
Overload Sensor
Constant load control with PLC cut - off •
Reliable operation •
Load display option •

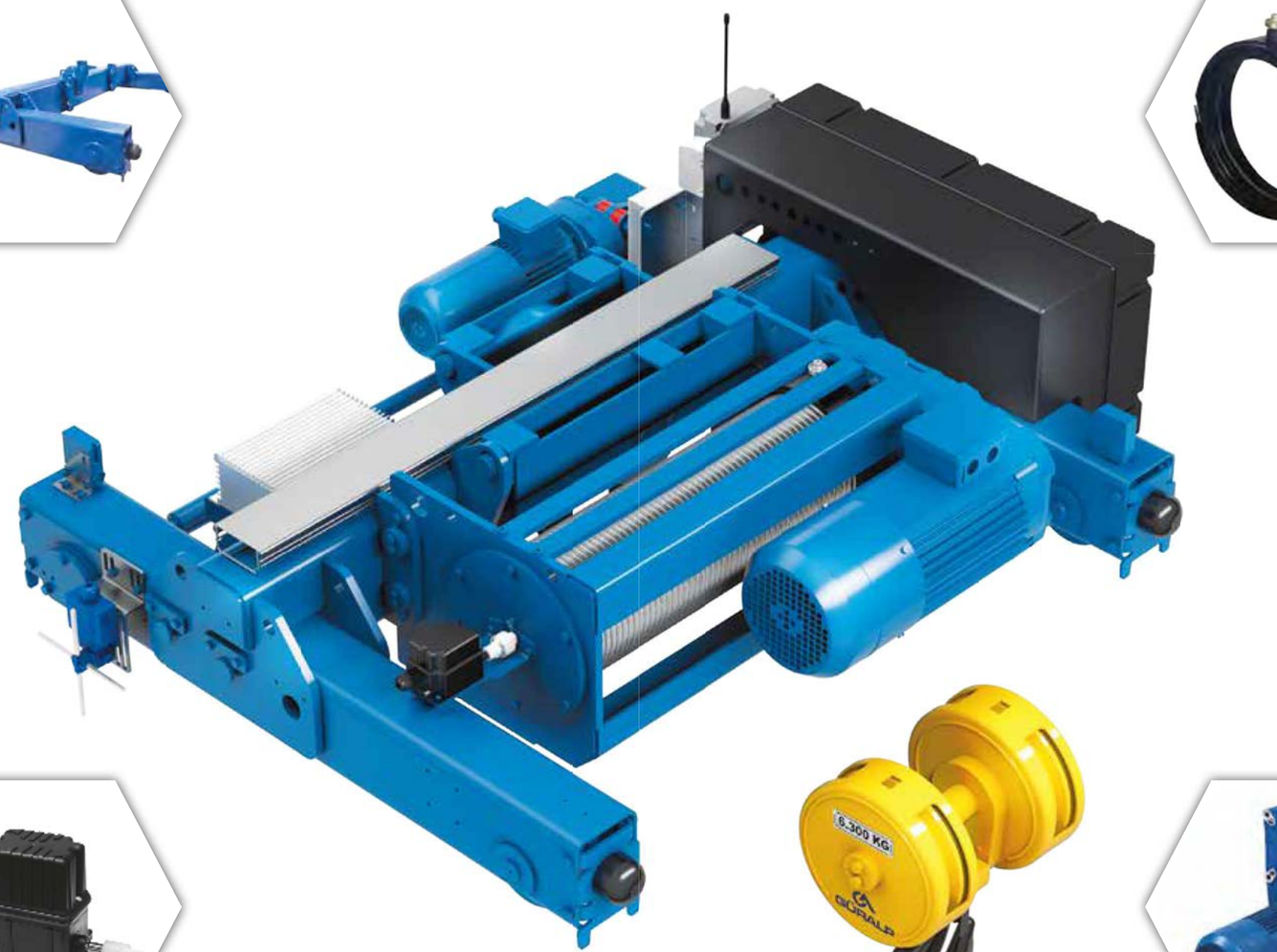
Controls
• IP55 and IP65 protection class
• Soft stop and start with PLC and frequency control
• Software for different applications
• Maximum safety
• Ergonomically designed to fit each specific hoist

Trolley Group
Specifically designed for Crane applications. •
Direct drive technology in all double rail trolleys •
Helical gears with high safety factor •
Smooth starting and braking with frequency inverter control •
Compact construction with minimal hook approach •



Rope Guide
• High safety with pressure spring
• Machined from cast iron (GGG60)

Travel Limit Switches
• Pre-switching for slowdown
and limit switching for stopping
in both directions for trolley and crane



Rope Drum
• Machined from seamless tube
• Finely machined grooves minimized rope wearing

Hoist Limit Switches
Adjustable rotary limit switch for upper and lower limit setting •
for highest and lowest hook positions •
Directly activated by rope drum •

Hoist Motor / Gearbox / Brake Group
• Superior German technology
• Helical gears processed with high precision
• Quiet operation
• High start and stall torque
• Class F isolation and IP65 motor protection class
• PTC thermistor overheat protection

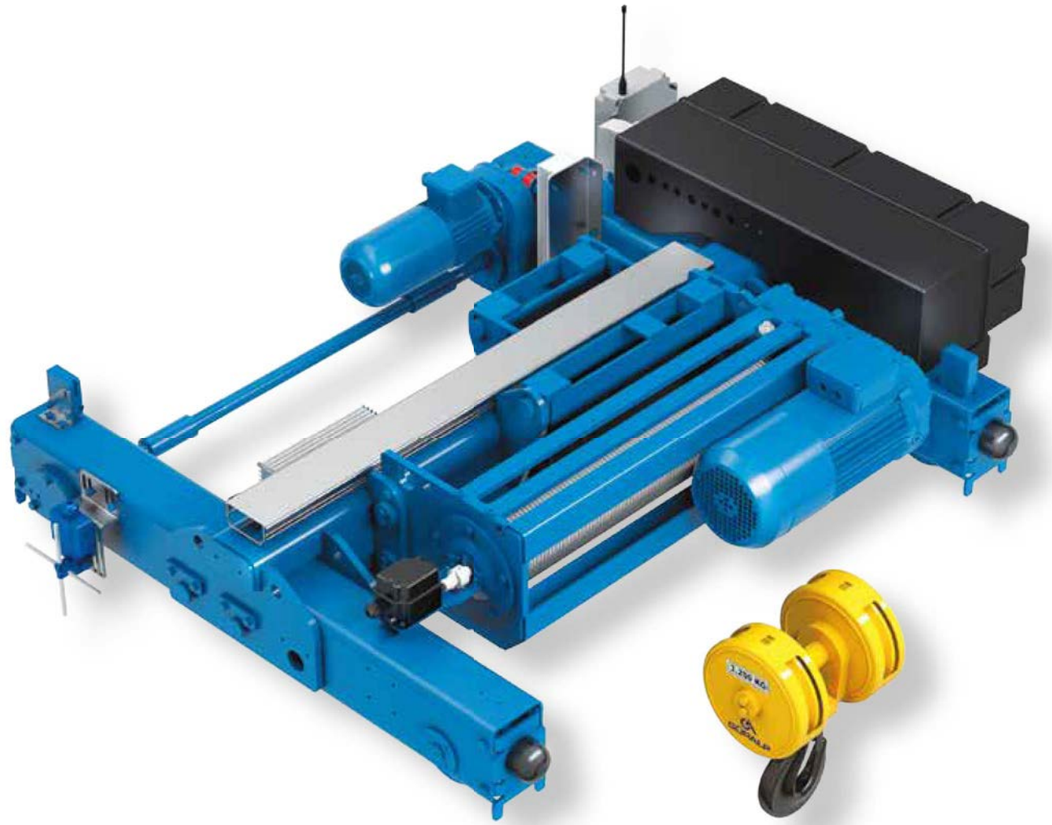
Hook Block
Forged steel hook •
360 degree swivel •
Standard safety latch •
Enclosed sheave wheels •

Brake
• Long life time (one million cycles without adjustment)
• Adjustable torque
• Asbestos - free brake pads
• High cycle frequency
• Safety factor > 2,5

Double Girder Wire

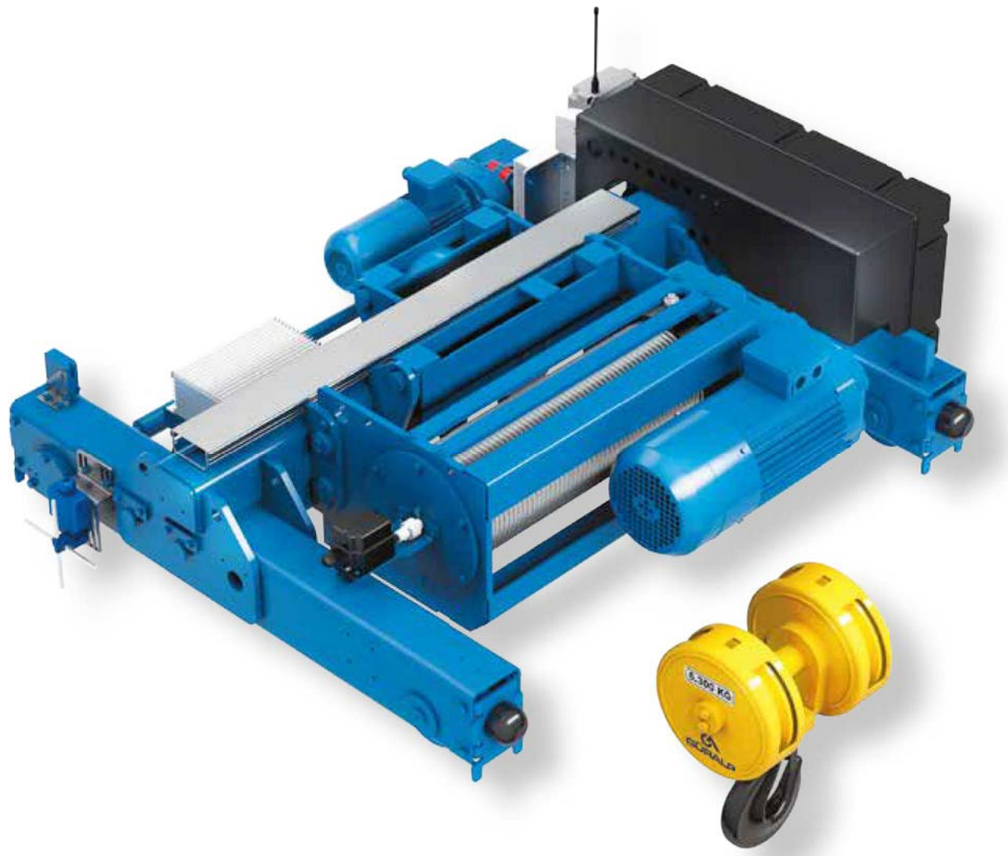
“Rope Hoist“

“Lighten your loads with GÜRALP”



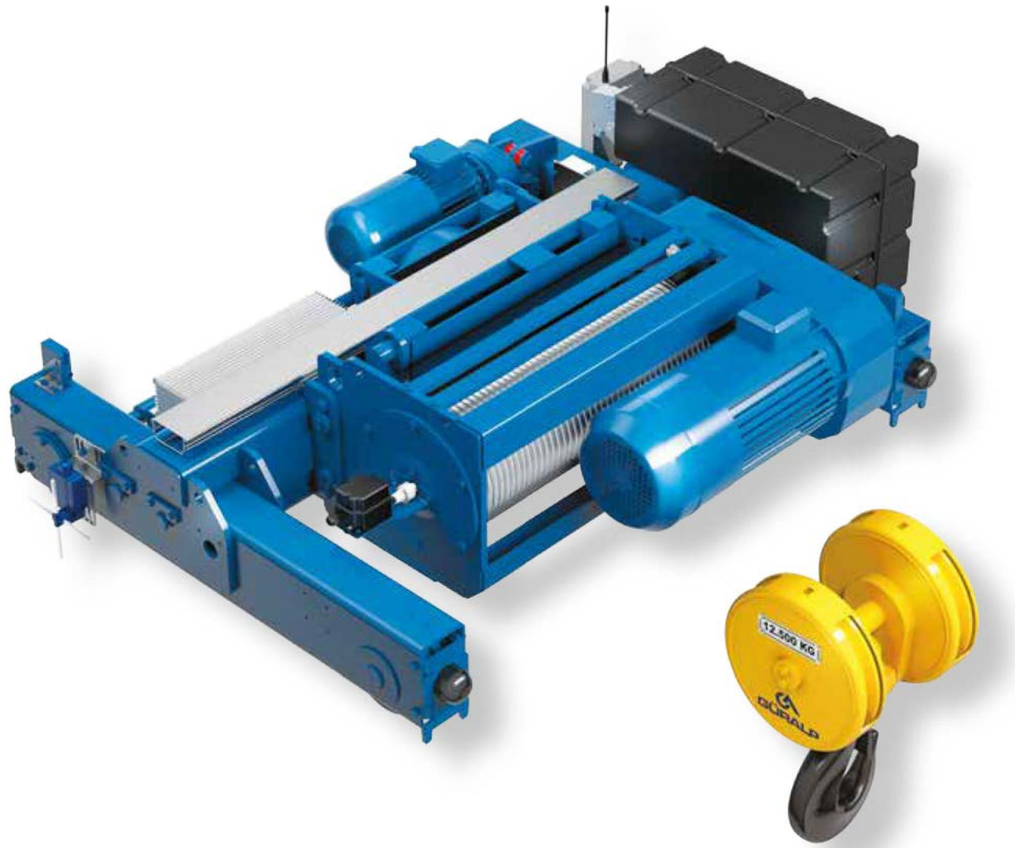
GA 20-D

Rated Capacity (kg)	Working Class	Reeving	Lifting Height	Lifting Speeds (m/min)	Cross Travel Speed (m/min)
1600	FEM 2m / ISO M5	2 Fall	12 Meter	1.14 / 7.72	5 / 20 m/min
			20 Meter		
3200	FEM 2m / ISO M5	4 Fall	6 Meter	0.57 / 3.86	
			10 Meter		



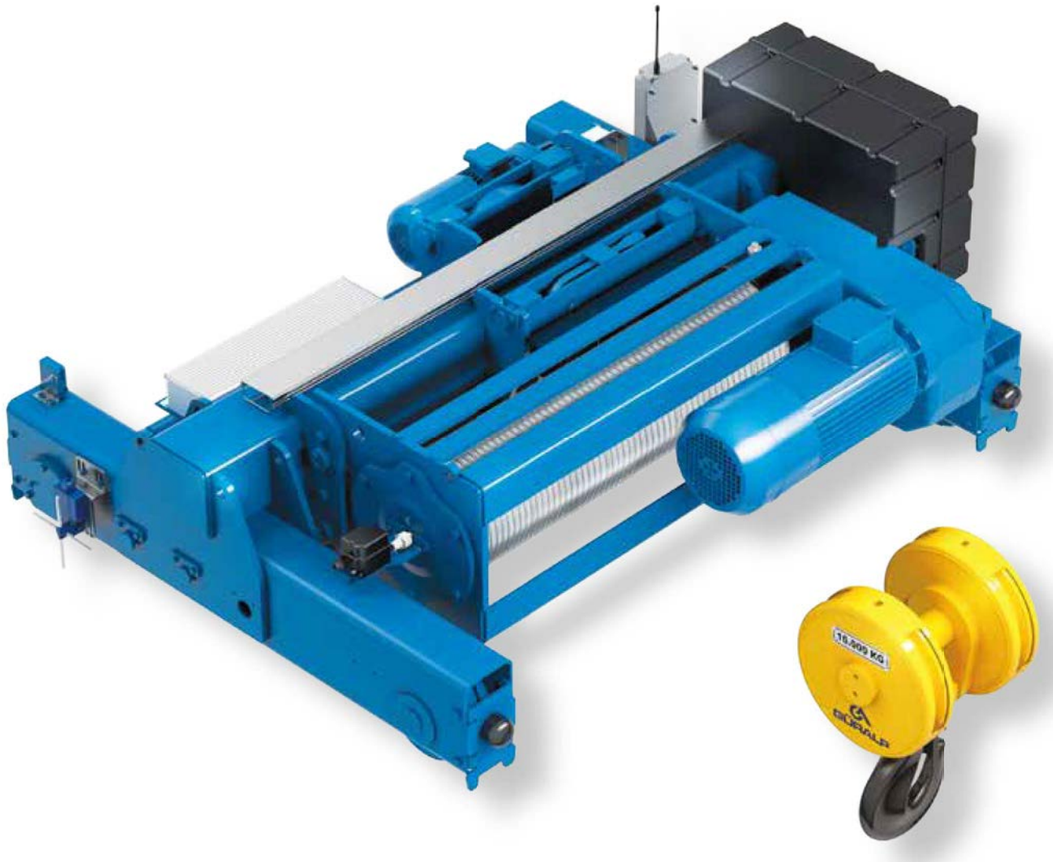
GA 30-D

Rated Capacity (kg)	Working Class	Reeving	Lifting Height	Lifting Speeds (m/min)	Cross Travel Speed (m/min)
2500	FEM 2m / ISO M5	2 Fall	16 Meter	1.6 / 10.34	5 / 20 m/min
			28 Meter		
			42 Meter		
5000	FEM 2m / ISO M5	4 Fall	8 Meter	0.8 / 5.17	
			14 Meter		
			21 Meter		
6200	FEM 2m / ISO M5	4 Fall	6 Meter	0.64 / 4.17	
			10 Meter		
			15 Meter		



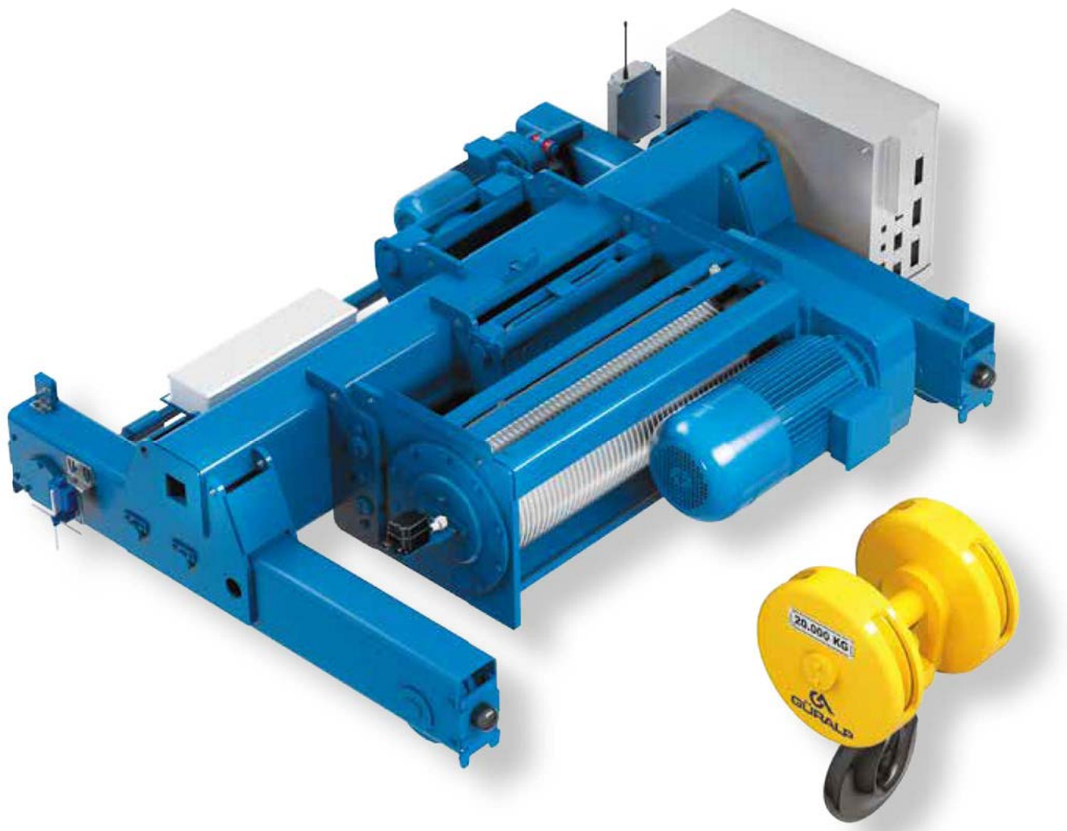
GA 40-D

Rated Capacity (kg)	Working Class	Reeving	Lifting Height	Lifting Speeds (m/min)	Cross Travel Speed (m/min)
5000	FEM 3m / ISO M6	2 Fall	12 Meter	1.24 / 8.26	5 / 20 m/min
			20 Meter		
			30 Meter		
10000	FEM 3m / ISO M6	4 Fall	6 Meter	0.62 / 4.13	
			10 Meter		
			15 Meter		
12500	FEM 2m / ISO M5	4 Fall	6 Meter	0.62 / 4.13	
			10 Meter		
			15 Meter		



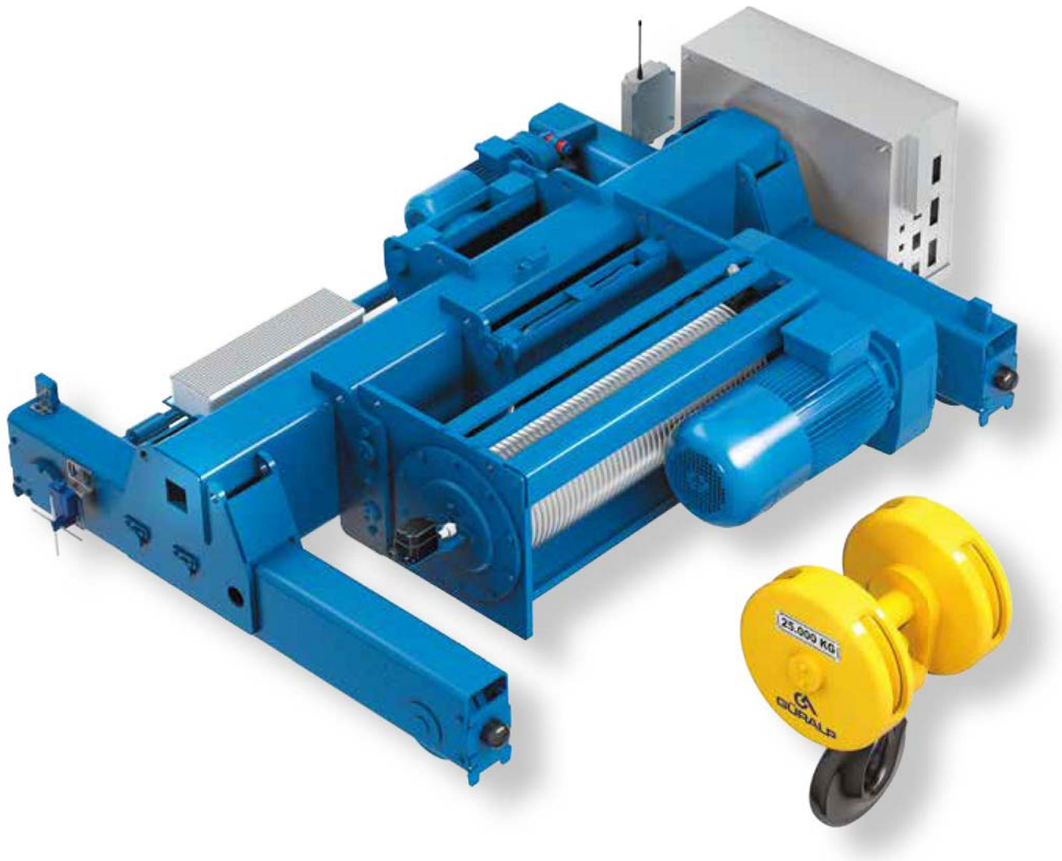
GA 50-D

Rated Capacity (kg)	Working Class	Reeving	Lifting Height	Lifting Speeds (m/min)	Cross Travel Speed (m/min)
6300	FEM 3m / ISO M6	2 Fall	12 Meter	1.16 / 7.90	5 / 20 m/min
			20 Meter		
			30 Meter		
12500	FEM 3m / ISO M6	4 Fall	6 Meter	0.58 / 3.95	
			10 Meter		
			15 Meter		
16000	FEM 2m / ISO M5	4 Fall	6 Meter	0.58 / 3.95	
			10 Meter		
			15 Meter		



GA 60-D

Rated Capacity (kg)	Working Class	Reeving	Lifting Height	Lifting Speeds (m/min)	Cross Travel Speed (m/min)
8000	FEM 3m / ISO M6	2 Fall	19 Meter	1.44 / 9.76	5 / 20 m/min
			28 Meter		
			41 Meter		
16000	FEM 3m / ISO M6	4 Fall	9 Meters	0.72 / 4.88	
			14 Meters		
			20 Meter		
			27 Meters		
20000	FEM 2m / ISO M5	4 Fall	9 Meters	0.72 / 4.88	
			14 Meters		
			20 Meter		
			27 Meters		
28000	FEM 2m / ISO M5	6 Fall	9 Meters	0.48 / 3.26	
			13 Meters		
			18 Meters		



GA 68-D

Rated Capacity (kg)	Working Class	Reeving	Lifting Height	Lifting Speeds (m/min)	Cross Travel Speed (m/min)
12500	FEM 2m / ISO M5	2 Fall	15 Meters	1.16 / 7.84	5 / 20 m/min
			22 Meters		
			33 Meters		
25000	FEM 2m / ISO M5	4 Fall	7 Meters	0.58 / 3.92	
			11 Meters		
			16 Meters		
			22 Meters		
35000	FEM 2m / ISO M5	6 Fall	7 Meters	0.39 / 2.61	
			11 Meters		
			14 Meters		

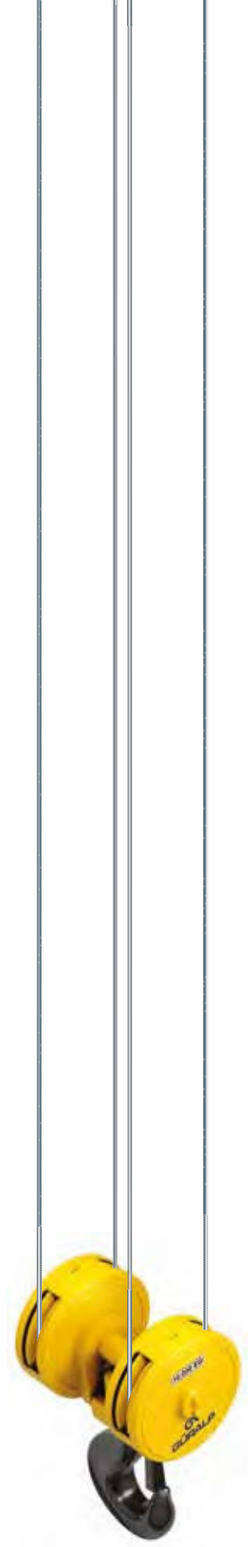
The hoists are produced between the capacities 1 ton and 80 ton's as standard, with different speed and working class options. The hoist groups involve stationary, monorail trolley and double girder trolley hoists. Their compact design provides the ability to work at narrow spaces.

As the consequence of the improved technological investments, being fabricated within automation conditions, our hoists have the capability to serve for a long and continuous time, which has been proofed with many tests. The design of these hoists with modular, standard, easy maintenance and service abilities, have been completed after the serious research of the technical staff about the crane concept that satisfies the world standards.

All trolley groups of the wire rope hoists are also available with most modern direct driven end carriages. A key focus of many **Güralp** customers is the hoist's headroom. Our design allows one of the lowest headrooms by utilizing specific design, special control panel and an ergonomic view.

Further improved and most efficient production lines ensure highest quality and most competitive products. 100% static tests and general risk analysis are making a difference and gives **Güralp** a significant quality advantage.

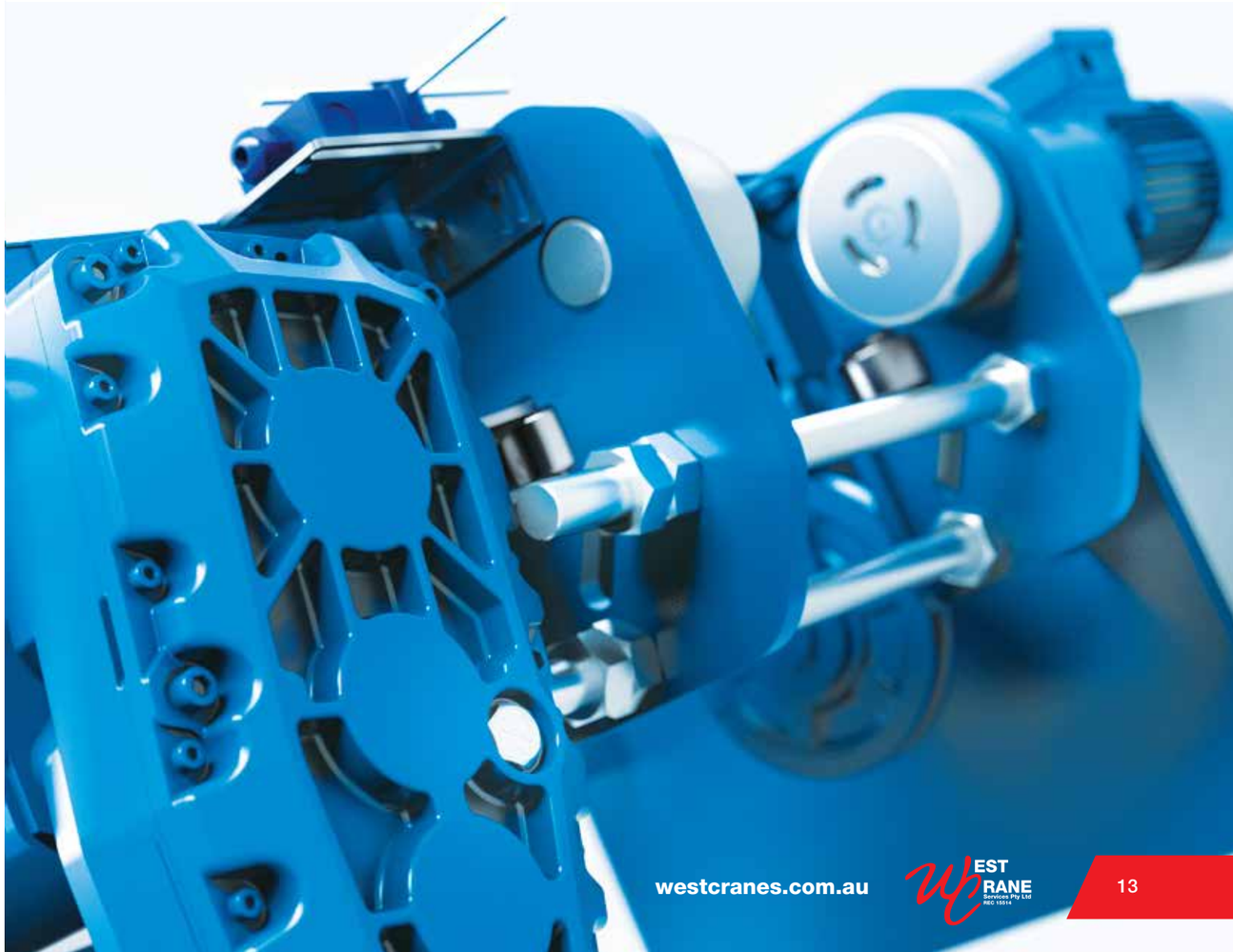
“Monorail Wire Rope Hoist“

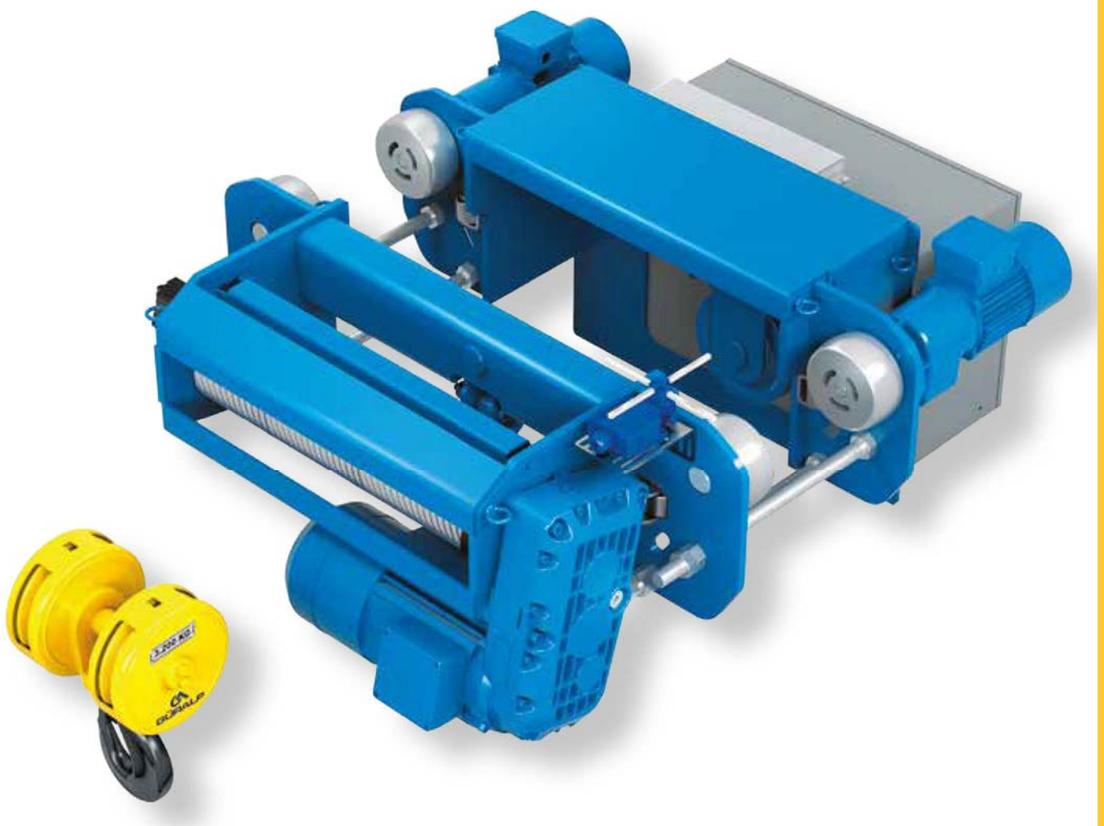


“Lighten your loads with GÜRALP”

NOW

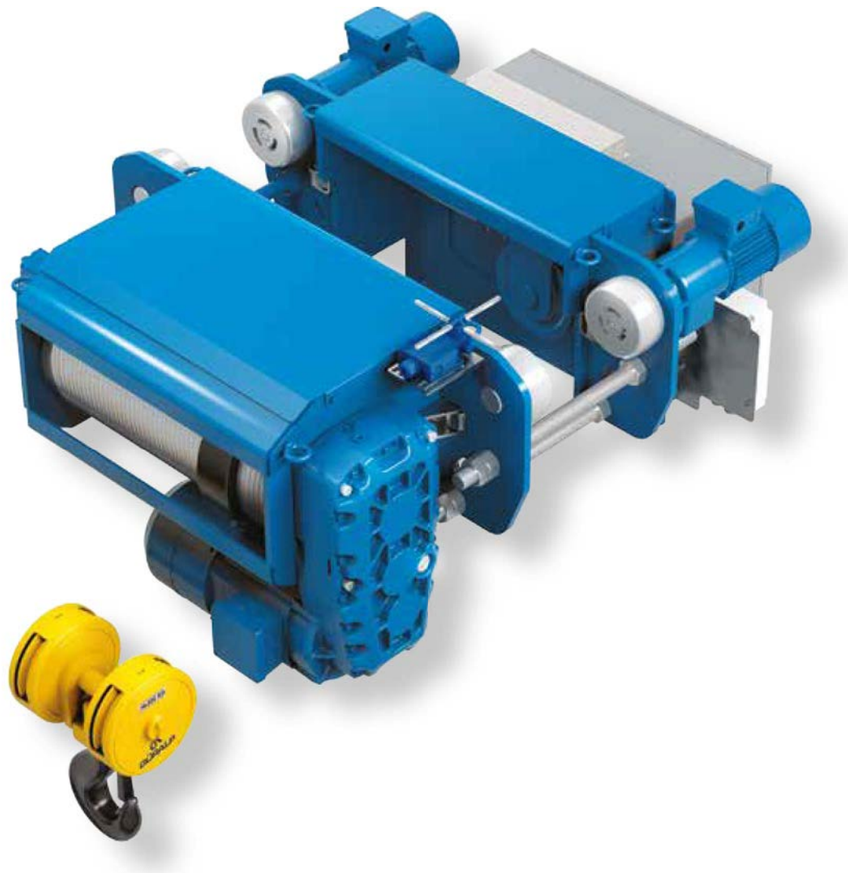
- *Increased lifting and travel speeds*
- *More duty cycle options*
- *Ergonomic and light-weight design*
- *Improved headroom maximises lifting height*
- *Maintenance friendly direct drive cross travel mechanism as opposed to pinion drive*





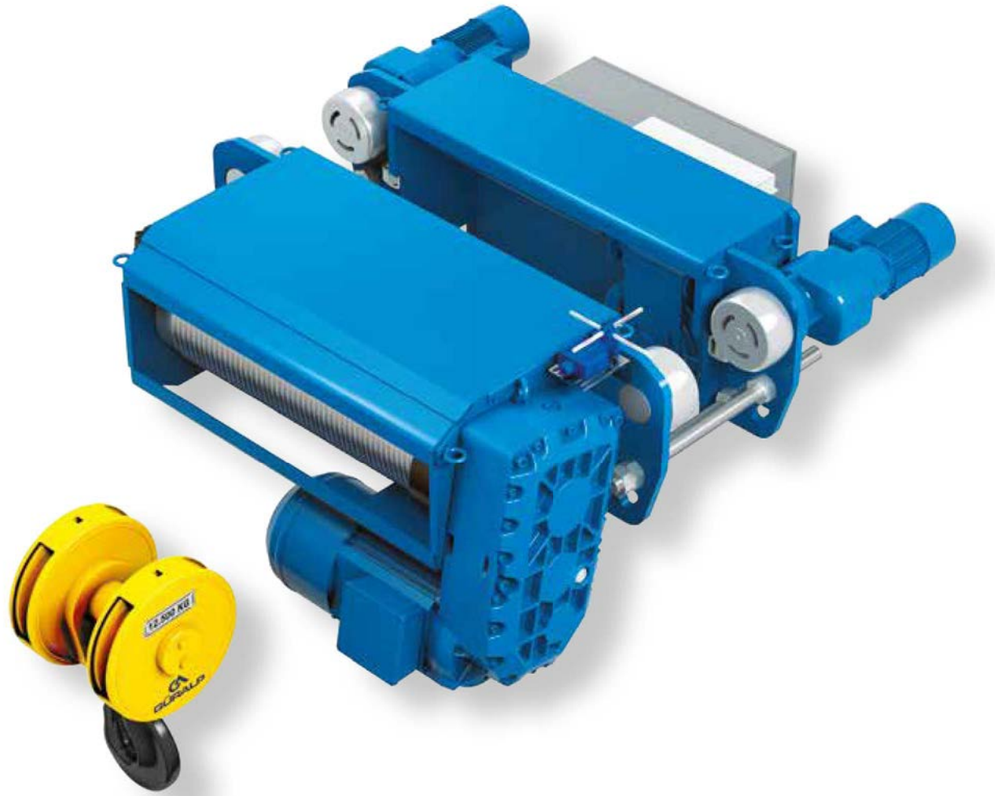
GA 20-M

Rated Capacity (kg)	Working Class	Reeving	Lifting Height	Lifting Speeds (m/min)	Cross Travel Speed (m/min)
1600	FEM 2m / ISO M5	2 Fall	12 Meter	2.04 / 8.16	5 / 20 m/min
			20 Meter		
			30 Meter		
3200	FEM 2m / ISO M5	4 Fall	6 Meter	0.57 / 3.86	5 / 20 m/min
			10 Meter		
			15 Meter		



GA 30-M

Rated Capacity (kg)	Working Class	Reeving	Lifting Height	Lifting Speeds (m/min)	Cross Travel Speed (m/min)
2500	FEM 3m / ISO M6	2 Fall	12 Meter	1.28 / 8.34	5 / 20 m/min
			20 Meter		
			30 Meter		
5000	FEM 3m / ISO M6	4 Fall	6 Meter	0.64 / 4.17	5 / 20 m/min
			10 Meter		
			15 Meter		
6300	FEM 2m / ISO M5	4 Fall	6 Meter	0.64 / 4.17	5 / 20 m/min
			10 Meter		
			15 Meter		

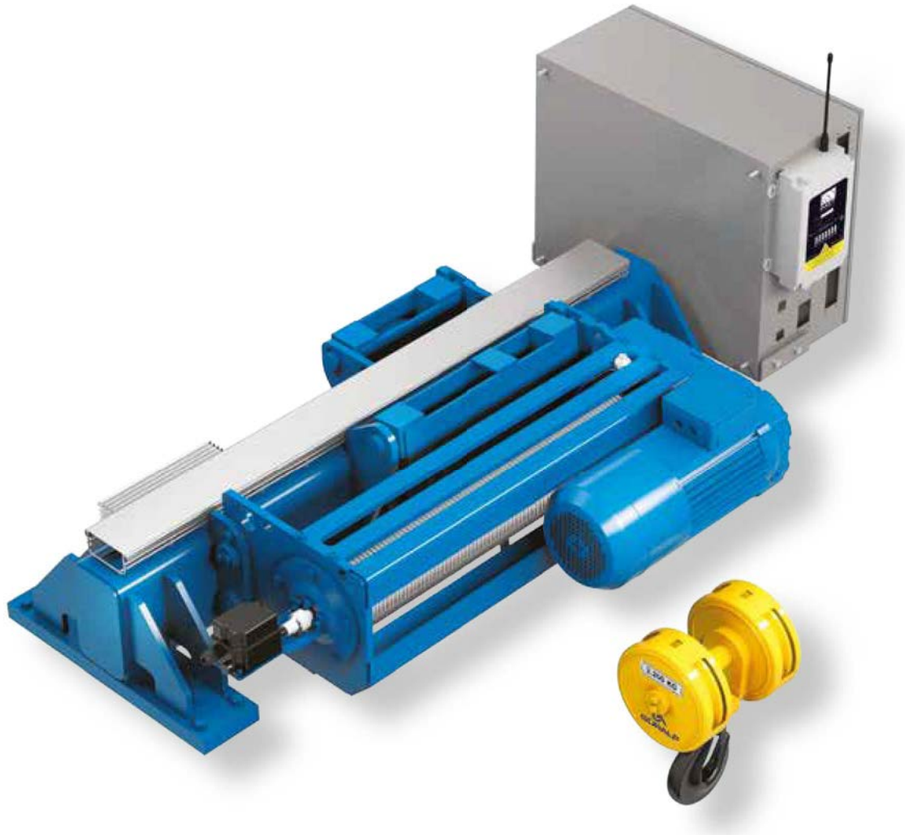


GA 40-M

Rated Capacity (kg)	Working Class	Reeving	Lifting Height	Lifting Speeds (m/min)	Cross Travel Speed (m/min)
5000	FEM 3m / ISO M6	2 Fall	12 Meter	1.24 / 8.26	5 / 20 m/min
			20 Meter		
			30 Meter		
10000	FEM 3m / ISO M6	4 Fall	6 Meter	0.62 / 4.13	5 / 20 m/min
			10 Meter		
			15 Meter		5 / 20 m/min
12500	FEM 2m / ISO M5	4 Fall	6 Meter	0.62 / 4.13	
			10 Meter		
			15 Meter		

Stationary Wire “Rope Hoist“

“Lighten your loads with GÜRALP”

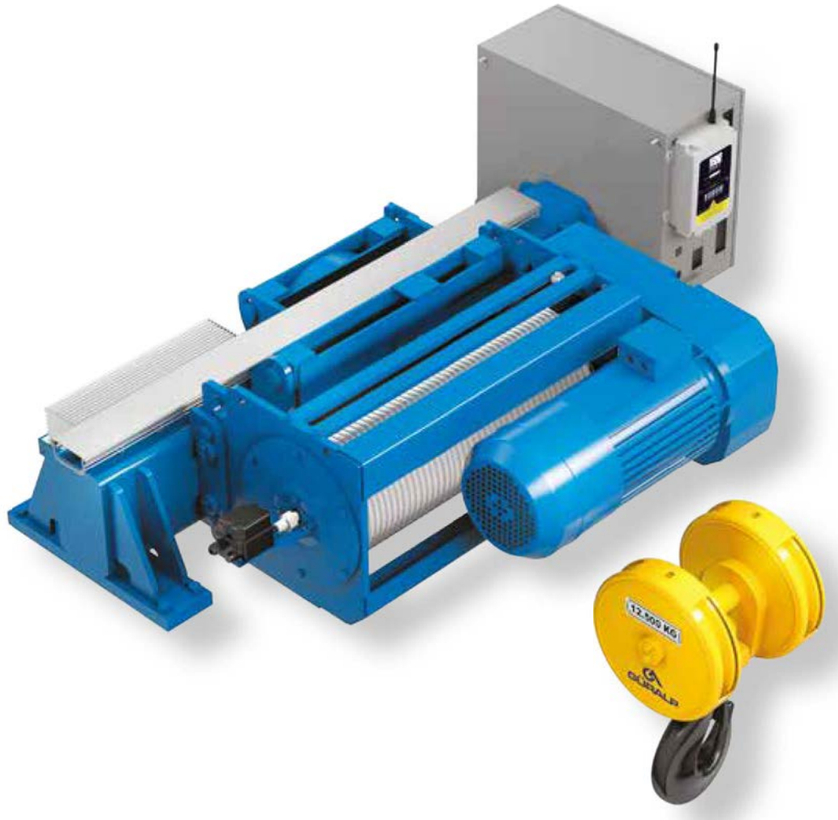


GA 20

Rated Capacity (kg)	Working Class	Reeving	Lifting Height	Lifting Speeds (m/min)
1600	FEM 2m / ISO M5	2 Fall	12 Meter	1.14 / 7.72
			20 Meter	
3200	FEM 2m / ISO M5	4 Fall	6 Meter	0.57 / 3.86
			10 Meter	

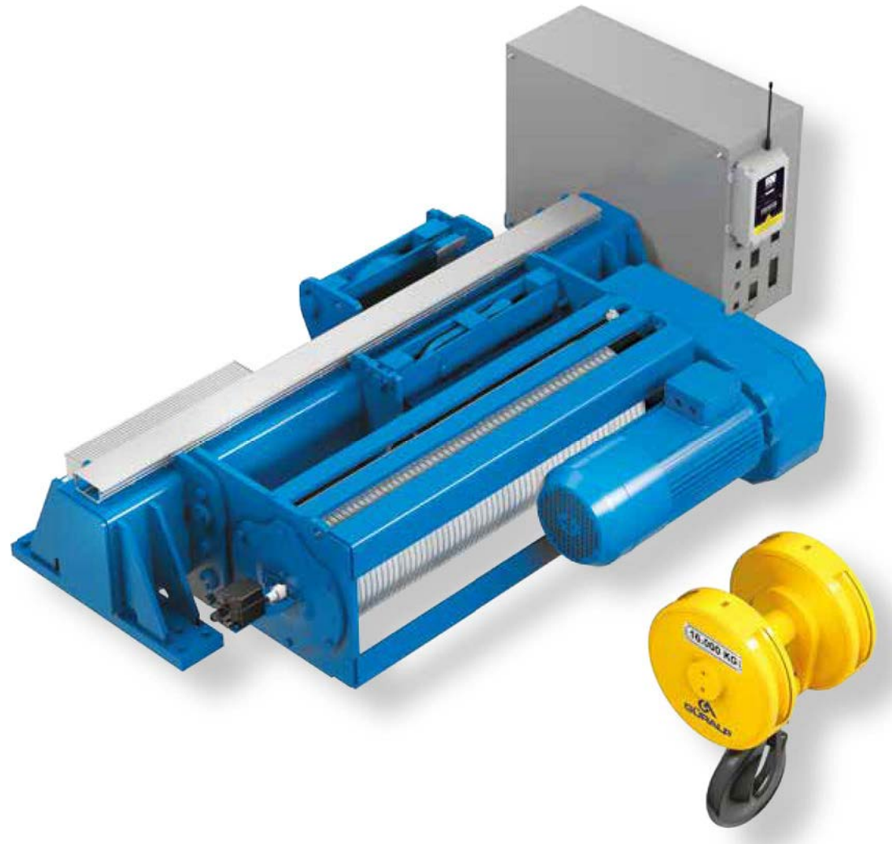
GA 30

Rated Capacity (kg)	Working Class	Reeving	Lifting Height	Lifting Speeds (m/min)
2500	FEM 2m / ISO M5	2 Fall	16 Meter	1.6 / 10.34
			28 Meter	
			42 Meter	
5000	FEM 2m / ISO M5	4 Fall	8 Meter	0.8 / 5.17
			14 Meter	
			21 Meter	
6200	FEM 2m / ISO M5	4 Fall	6 Meter	0.64 / 4.17
			10 Meter	
			15 Meter	



GA 40

Rated Capacity (kg)	Working Class	Reeving	Lifting Height	Lifting Speeds (m/min)
5000	FEM 3m / ISO M6	2 Fall	12 Meter	1.24 / 8.26
			20 Meter	
			30 Meter	
10000	FEM 3m / ISO M6	4 Fall	6 Meter	0.62 / 4.13
			10 Meter	
			15 Meter	
12500	FEM 2m / ISO M5	4 Fall	6 Meter	0.62 / 4.13
			10 Meter	
			15 Meter	



GA 50

Rated Capacity (kg)	Working Class	Reeving	Lifting Height	Lifting Speeds (m/min)
6300	FEM 3m / ISO M6	2 Fall	12 Meter	1.16 / 7.90
			20 Meter	
			30 Meter	
12500	FEM 3m / ISO M6	4 Fall	6 Meter	0.58 / 3.95
			10 Meter	
			15 Meter	
16000	FEM 2m / ISO M5	4 Fall	6 Meter	0.58 / 3.95
			10 Meter	
			15 Meter	

GA 60

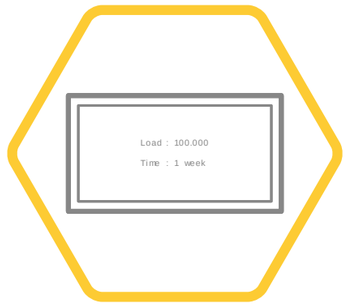
Rated Capacity (kg)	Working Class	Reeving	Lifting Height	Lifting Speeds (m/min)
8000	FEM 3m / ISO M6	2 Fall	19 Meter	1.44 / 9.76
			28 Meter	
			41 Meter	
16000	FEM 3m / ISO M6	4 Fall	9 Meters	0.72 / 4.88
			14 Meters	
			20 Meter	
			27 Meters	
20000	FEM 2m / ISO M5	4 Fall	9 Meters	0.72 / 4.88
			14 Meters	
			20 Meter	
			27 Meters	
28000	FEM 2m / ISO M5	6 Fall	9 Meters	0.48 / 3.26
			13 Meters	
			18 Meters	

GA 68

Rated Capacity (kg)	Working Class	Reeving	Lifting Height	Lifting Speeds (m/min)
12500	FEM 2m / ISO M5	2 Fall	15 Meters	1.16 / 7.84
			22 Meters	
			33 Meters	
25000	FEM 2m / ISO M5	4 Fall	7 Meters	0.58 / 3.92
			11 Meters	
			16 Meters	
			22 Meters	
35000	FEM 2m / ISO M5	6 Fall	7 Meters	0.39 / 2.61
			11 Meters	
			14 Meters	

Programmable Control Unit

Programmable Logic Controller (PLC) prevents not only the breakdowns arising from operator misusage, but also it enables monitoring of the FEM data; such as running time, motor starts, work cycles and emergency stops, providing visibility to crane usage. It offers preventing operator-inducted faults and also provides brake and inverter monitoring. In case the hoisting motor has two speeds, it is only possible to start and stop the motor at the lowest speed (except the emergency stop) in spite of the operator's instant speed changing commands. This prevents wearing on the brake and the hoist. In addition, fault recordings appearing on the controller screen, makes it possible to correct the fault more accurately and quickly.



Predictive Maintenance Application

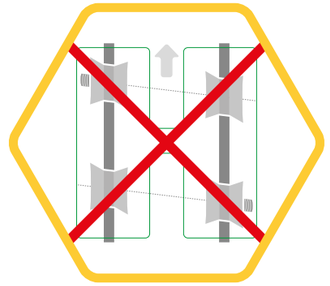
By means of this application, you can easily follow up the maintenance periods.

Anti-Sway System

Since linear ramps are used as the standard for crane horizontal motions, the load sways during acceleration or deceleration. Either when the motion is activated or during acceleration, the trolley or bridge will start to the move first and then the load will follow. Similarly, when the crane is commanded to stop or during deceleration, the trolley or bridge will slow down first and the load will follow. Thus, a pendulum-like oscillation will occur on the suspended load.
Due to this oscillation, problems on control and positioning are experienced. In order to stop this oscillation without using any special control units, the operator and assistants try to stop sways by holding the load with hand, or the experienced operator reduces the oscillation by applying reaction motions in respect to sways. These operations primarily jeopardize field and employee safety. Secondly, it causes loss of operation time.

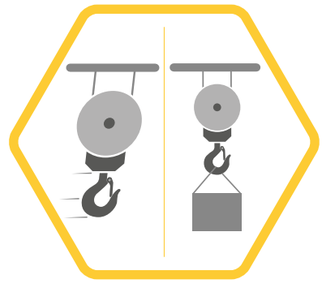
Benefits of Anti-sway applications

- *More safety and less accident risk*
- *Protects load and hoist, so reduces the need for the maintenance*
- *Reduces the responsibility of the operator and accordingly provides more concentration on work*
- *With a low cycle time (up to 25%), it saves operating time and provides low energy costs especially for automatic machines*



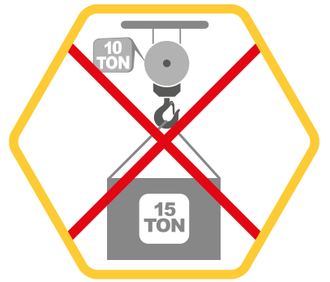
Anti - Crab System

On cranes with wide bridge spans, excessive stress and wear occur on the wheels due to different reasons such as uneven rails, differences in wheel diameters, differences in motor slip, wheel slip on the rail and unbalanced situation of the load. The anti-crab system detects the speed of the crane over the rail to prevent erosion on rail tracks, and adjusts the speed to prevent misalignment and slip.



Load Dependent Speed Control

By means of the load cell on the hoist, it recognizes if it's loaded or not and idle crane is operated faster in order to expedite the processes. The load-dependent speed settings are adjusted so as not to stress the hoisting and traveling motors. The speed is adjusted be changeable inversely proportional to the handled load, i.e. the speed decreases as the load increases, and it increases as the load decreases.



Electronic Overload Control

The hoists are equipped with overload application to ensure safety of the crane and their surroundings. According to European Standard EN 12077-2, it is stipulated to use a safety device which stops the system when hoists are overloaded. The electronic overload application also enables following up the safety working period of the cranes.

Variable Frequency Drive

The variable freequence drive used in the system provide speed control when the crane is accelerated or decelerated. Soft stops and starts protect the hoist from immediate shocks and impacts, allowing a longer lifetime. If requested, the operator can control the crane at any speed within the set speed range.

Load Status Indicator Screen

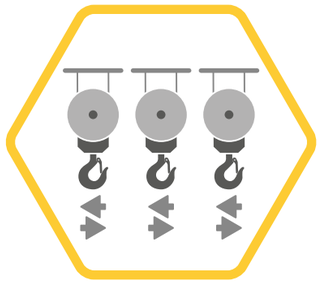
The load / status display screens can be applied in two ways on our cranes:

On the External Display Screen

The weight of the handled load is displayed on the hoist. It can be seen easily at night and during daytime from 50 meters distance. Error, warning and situation information are provided to the user when necessary.

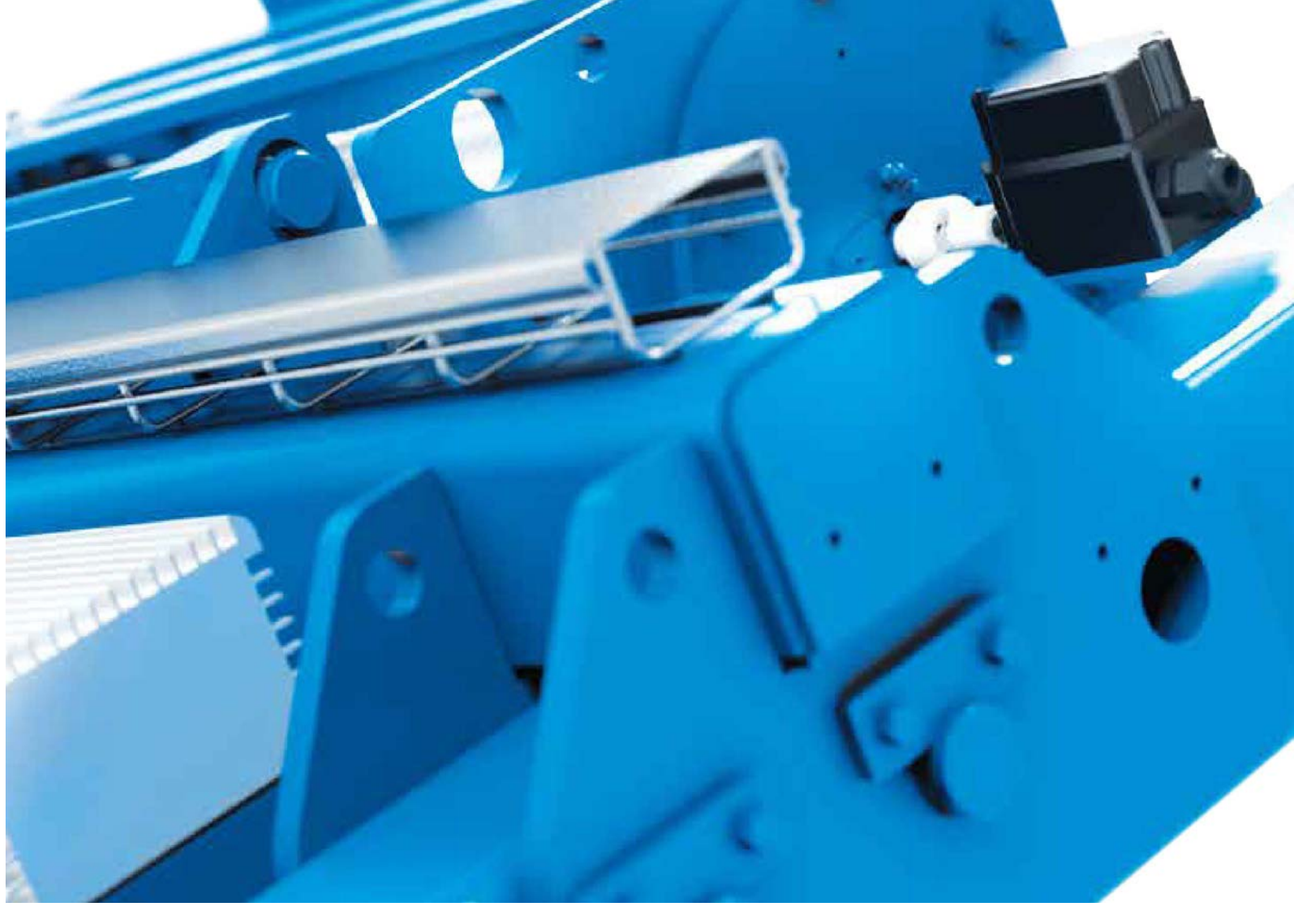
With Radio Remote Control

With the LCD display on the optionally provided radio remote controls, it's possible to monitor the handled weight, error, warning, and system status information.



Tandem Mode

Provides managing of two or more cranes from a single control unit, where multiple cranes are required to be operated synchronously. With additional wireless communication between the cranes, it is ensured that all cranes stop functioning in case any failure of any one of the cranes.

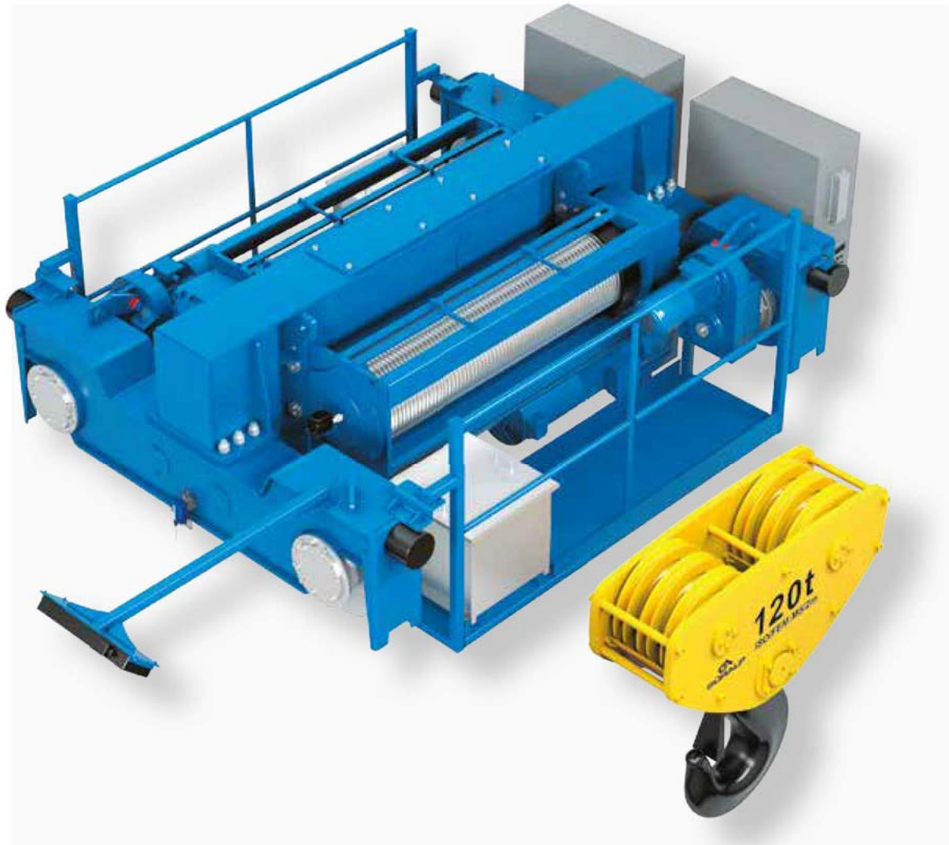


Fully and Semi-Automatic Process Applications

We develop software's suitable for our customer's processes and provide trouble-free, continuous operation.

“Special Design Hoists“

For your hoist requests with different capacity, speed or working class specs that cannot be satisfied within the standard products, we’re able to create special designs that are carried out by our engineering team according to the related standards.



OUR APPLICATIONS


Berat Mermer
GÜRALP 32/5


GÜRALP 20


GÜRALP 40


GÜRALP 20

OUR SPECIAL APPLICATIONS

PACKAGING

GÜRALP®

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REC 15514

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Ph: 03 9369 1154

1/27 Superior Dve
Dandenong South VIC 3175
Ph: 03 9768 2226

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