



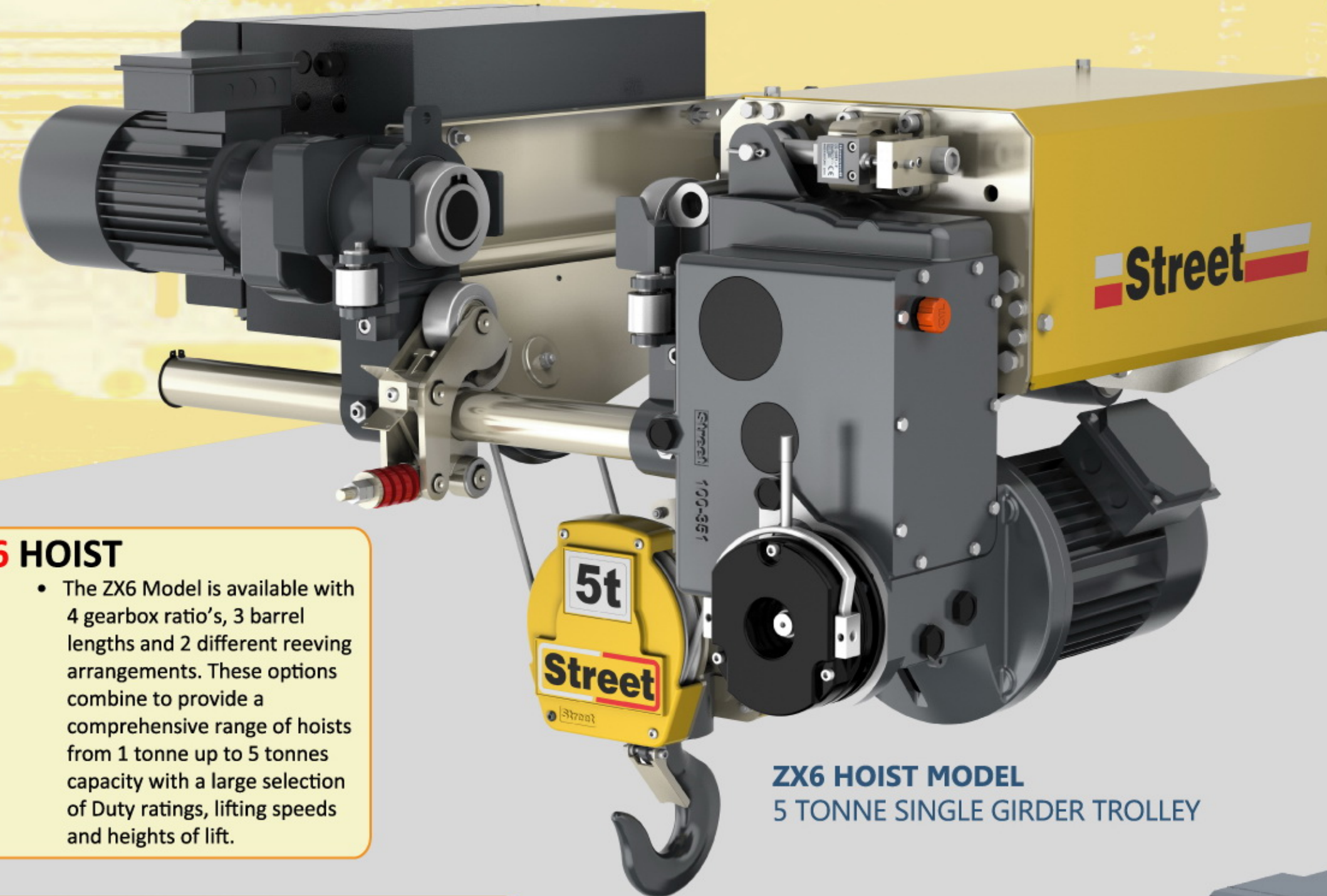
ZX HOIST : extensive model range.

The new ZX6 hoist is available in capacities 1-5 tonnes whilst the ZX8 hoist has capacities 1-25 tonnes. The ZX range is being extended further with capacities of up to 50 tonnes, available in the near future.

All popular capacities available with M5 duty rating and in most capacities duty ratings of M6 or M7 available.

All hoists are available in a number of standard constructions to suit single and double girder crane applications, monorails and fixed hoist applications including:-

- Low Headroom Single Girder
- Low Headroom Double Girder
- Foot Mounted



ZX6 HOIST

- The ZX6 Model is available with 4 gearbox ratio's, 3 barrel lengths and 2 different reeving arrangements. These options combine to provide a comprehensive range of hoists from 1 tonne up to 5 tonnes capacity with a large selection of Duty ratings, lifting speeds and heights of lift.

ZX6 HOIST MODEL
5 TONNE SINGLE GIRDER TROLLEY



ZX8 HOIST MODEL
10 TONNE SINGLE GIRDER TROLLEY
LOW HEADROOM

- Adjustable trolley carriage to accommodate large range of beam flanges:
ZX6 - 150mm - 500mm
ZX8 - 200mm - 500mm
- Also adaptable, by special order, beam flanges outside these ranges

Compact Design With Space Saving Dimensions

- Improved headroom dimensions, in both double and single girder formats, gives a lower roof height requirement, with optimal top hook position. Ideal for modern low profile bays.
- Compact side hook and end hook approaches, maximise coverage of the factory floor for a more productive work space.

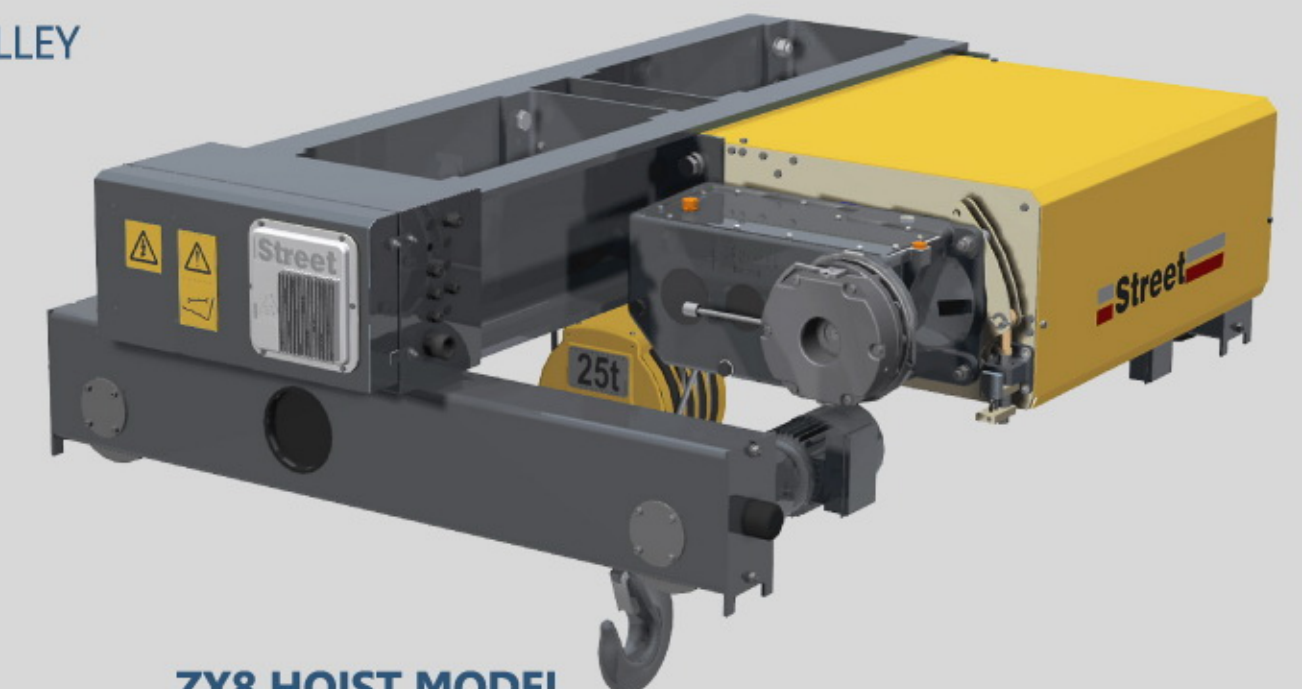


ZX8 HOIST MODEL
FOOT MOUNTED

Rope Reeving					
Capacity	2 : 1	Lift	Capacity	4 : 1	Lift
	Speeds			Speeds	
1000 kg	8/2.6 m/min	13 m	2500 kg	4/1.3 m/min	6.5 m
2000 kg	10/3.3 m/min	20 m	3200 kg	5/1.6 m/min	10 m
2500 kg	12/4 m/min	30 m	5000 kg	6/2 m/min	15 m
	16/5.3 m/min			8/2.6 m/min	

ZX8 HOIST

- The ZX8 Model is generally available with 4 gearbox ratio's, up to 3 barrel lengths and 5 different reeving arrangements. These options combine to provide a comprehensive range of hoists from 1 tonne up to 25 tonnes capacity with a large selection of Duty ratings, lifting speeds and heights of lift.



ZX8 HOIST MODEL
25 TONNE DOUBLE GIRDER TROLLEY



ZX8 HOIST MODEL
12.5 TONNE DOUBLE GIRDER TROLLEY

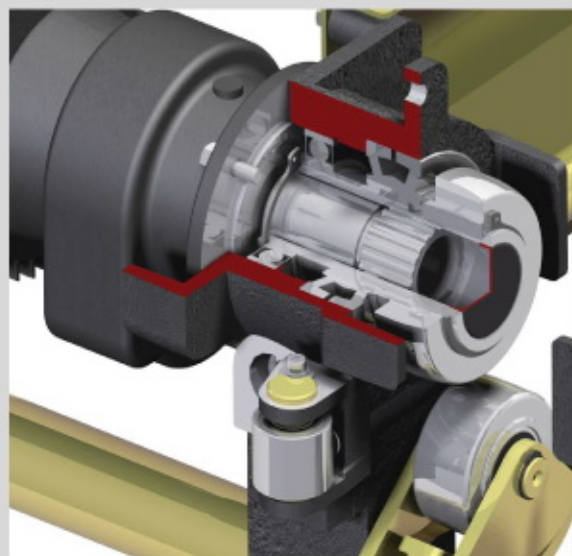
Rope Rveeing														
1 : 1*			2 : 1			4 : 1			6 : 1			8 : 1*		
Capacity	Speeds	Lift	Capacity	Speeds	Lift	Capacity	Speeds	Lift	Capacity	Speeds	Lift	Capacity	Speeds	Lift height
1000 kg	16 / 4 m/min	32 m	2500 kg	8/2 m/min	16 m	5000 kg	4/1 m/min	8 m	8000 kg	2.5/0.6 m/min	5.5m	12500 kg	2/0.5 m/min	6 m
2500 kg	20 / 5 m/min	48 m	3200 kg	10 /2.5 m/min	24 m	8000 kg	5/1.25 m/min	12 m	10000 kg	3.2/0.8 m/min	8 m	16000 kg	2.5/0.6 m/min	10 m
3200 kg	24 / 6 m/min	80 m	5000 kg	12 /3 m/min	40 m	10000 kg	6/1.5 m/min	20 m	12500 kg	4/1 m/min	13 m	20000 kg	3/0.75 m/min	
	32 / 8 m/min		6300 kg	16 / 4 m/min		12500 kg	8/2 m/min	25 m*	16000 kg	5/1.25 m/min		25000 kg	4/1 m/min	

Electrical Controls

- All electrical equipment incorporates heavy duty, quick release, plug and socket cable connectors for fast simple assembly.
- Better heat dissipation by the finned Aluminium heat-sink to transfer heat out of the control cubicle when inverters are used on travel
- IP 55 steel electrical control cubicle

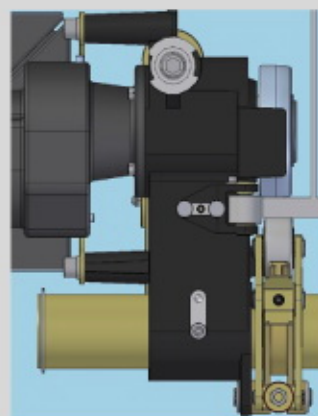


- Functional design with hinged door makes all components easily accessible.
- A phase failure relay prevents uncontrolled movement of the hoist should one or more phases of the electrical supply fail. It also prevents movement if the phase sequence is incorrect
- Hours in service meter records the total time the hoist motor is energised
- Panel wiring is ferruled and fully identified to the connection terminal



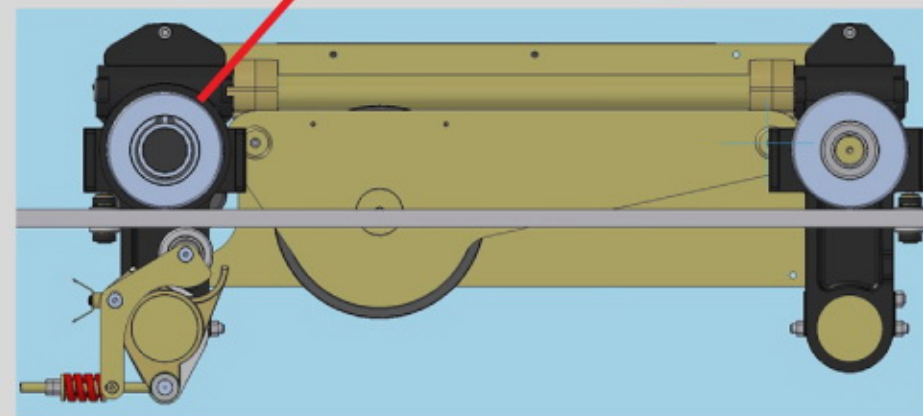
Direct drive cross travel

- Eliminate open drive gears
- Cross travel wheels easily removable



Reaction roller mechanism

- Eliminate costly counter balance weight
- Increased wheel life due to lower cross travel loads (reduced hoist weight)
- Sealed bearing design suitable for dirty environments (maintenance free)
- Decreased shipping/transportation cost of hoist due to reduced weight and size
- Caters for beam flanges up to 35mm



High-strength galvanised wire ropes.

- Compact strand structure with improved tensile strength.
- Enhanced fatigue strength for durability under cyclic bending.
- Galvanised steel rope strands for maximum corrosion protection.



Sturdy guide roller mechanism

- Reduce rolling resistance providing smoother drive movement
- Increased wheel life due to flangeless trolley wheels
- Increased beam life due to side roller rolling action as opposed to flanged wheel cutting action.
- Reduced beam flange rolling due to eradication of wheel flange material build up.

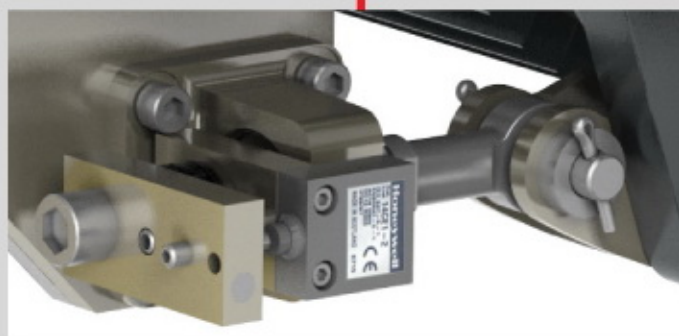


Patented torque arm safe load cut-out device

- Prevents the operator inadvertently overloading the hoist and crane structure
- Measures all the load the hoist mechanism is transmitting (not just the load in one or two ropes)
- Does not reduce available height of lift
- Actuated directly by the load, does not rely on measuring electrical current
- Can be easily adjusted to the required capacity

New Bottom Block

- New ergonomic design for improved safety and handling
- Improved lubrication increases bearing life and free rotation of hook.
- Improved sealing of hook bearings to prevent ingress of dust / dirt / water etc..
- Improved Aesthetics



Heavy duty rope guide outer band set to travel up and down the barrel in the scrolls

Sprung loaded inner rope clamping band

Heavy duty rope guide

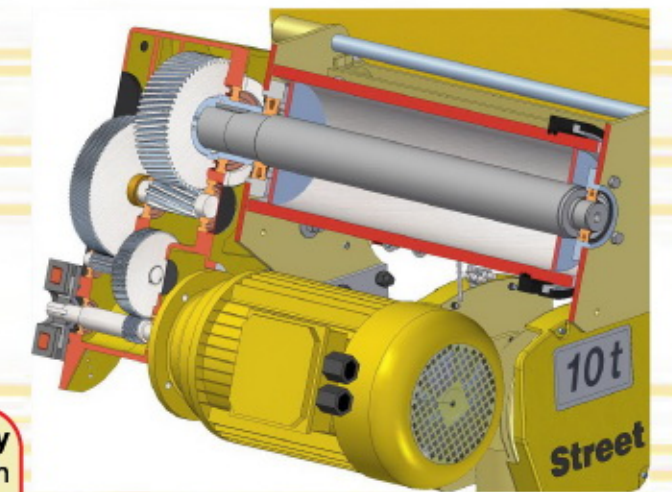
- Eliminate slack rope windup
- Provide positive limit switching

Extra hoist drum security

- Continuous shaft through the hoist drum
- Barrel retention 'spigots'
- Self aligning bearings at each end of the drum to take up deflection

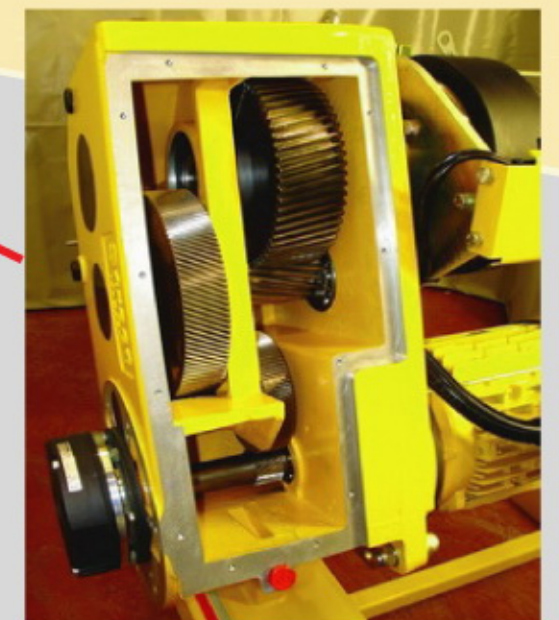
Heavy duty hoist motor

- External hoist motor to optimise cooling and maximise accessibility
- Cylindrical rotor fan cooled design
- Overheating protection in the motor winding is standard
- Class "F" insulation
- IP55 protection against ingress of dust particles and water



Precision hoist gearbox with hardened and ground gears/drive shafts

- Gears permanently immersed in oil safety and reliability year after year
- ZX6 Gearbox now improved M5 rating for S and F speeds utilising H4 and H5 motors respectively
- Gear train can be viewed through the removable inspection cover



Low Maintenance DC Disk brake - fitted on gearbox shaft - ensures load remains secure in event of motor shaft or coupling failure.

Superior load safety

- A hoist brake acts on a gearbox shaft not a motor shaft as is the case with competitor hoists
- When the hoist brake is applied, the load will remain secure even if the hoist motor is removed
- Automatic braking in the event of a power failure

