



Lift World Company for Elevator & Escalator
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LIFT WORLD
Elevator & Escalator

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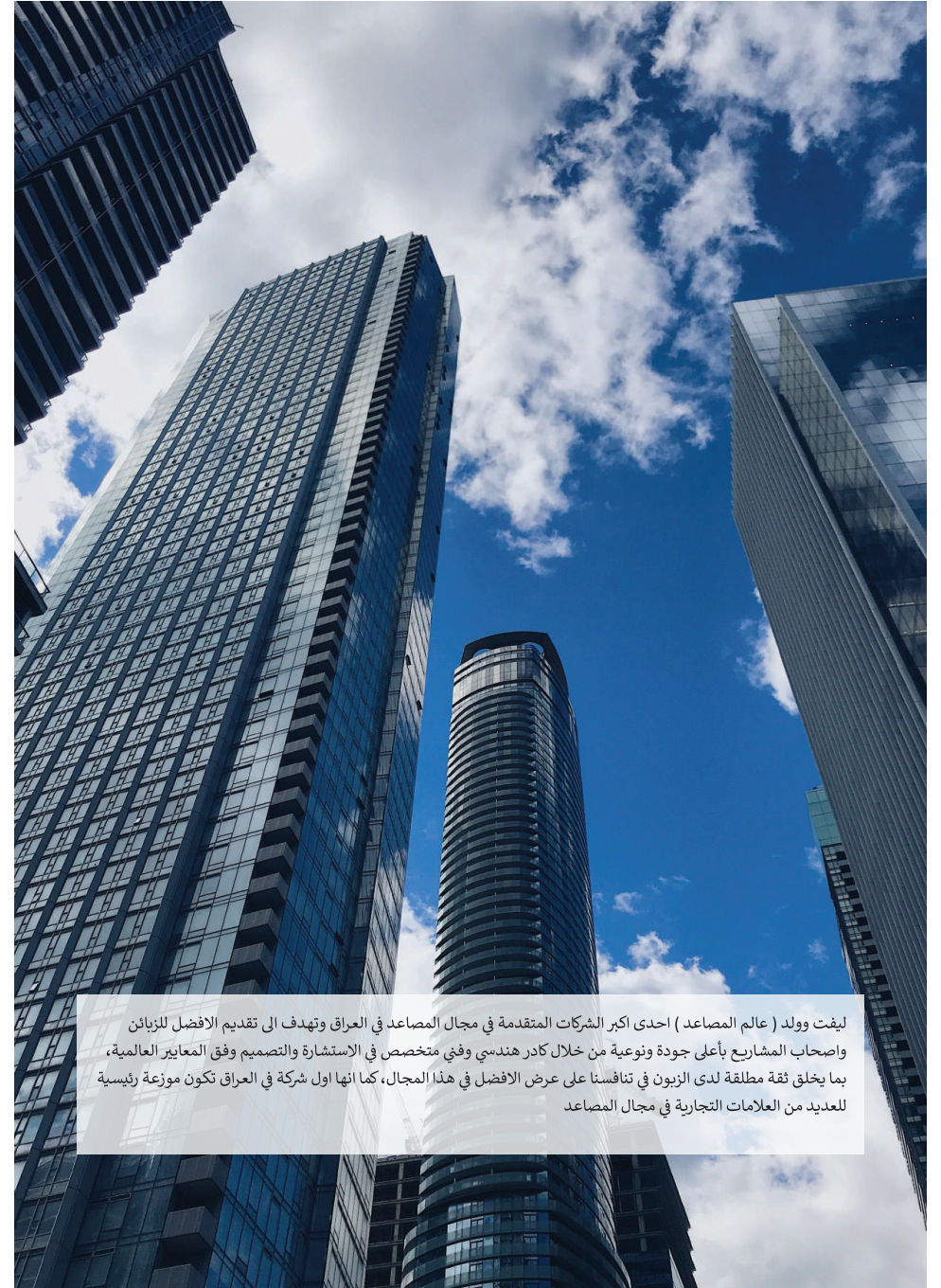
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LIFT WORLD COMPANY



About Lift World

Lift World is one of the biggest companies for elevator and escalators in Iraq. As a leading company, we aim to deliver quality and fast service to our customers. Our engineers and technicians will provide you with expert counseling according to global standards. We strive to establish a trusting relationship with our customers by providing a variety of high quality lifts and escalators for residential and commercial buildings. We are the sole representative of a number of European companies in Iraq.



ليفت وولّد (عالم المصاعد) احدى اكبر الشركات المتقدمة في مجال المصاعد في العراق وتهدف الى تقديم الافضل للزبائن واصحاب المشاريع بأعلى جودة ونوعية من خلال كادر هندسي وفني متخصص في الاستشارة والتصميم وفق المعايير العالمية، بما يخلق ثقة مطلقة لدى الزبون في تنافسنا على عرض الافضل في هذا المجال، كما انها اول شركة في العراق تكون موزعة رئيسية للعديد من العلامات التجارية في مجال المصاعد



Our Vision

We are constantly striving to be a pioneer in the region as we work towards the highest standard by designing and installing our products using the latest technology and high quality material. Satisfying the wishes of our customers is our foremost objective. We provide detailed information about our products and aim to establish a strong and everlasting relationship with our customers.

Our Values



We will connect our customers to the latest technology and products in the world of lifts and escalators. We guarantee our products to be of the highest quality delivered through our fast and friendly staff throughout Iraq. Our products are acquired from a number of European brands which enable us to pass on their services and products to our customers directly. With Lift World, you are guaranteed high quality products, efficient service, and peace of mind.





History

2006

Lift World was founded in 2006 in Sulaymaniyah (Iraq) with the aim of providing the highest quality of Italian elevators. We have established trusting relationships with many of our customers ever-since. Nowadays, we are a large and highly successful company.

2010

In 2010, LiftWorld became the main retailer of Italian Axel package in Iraq and founded many successful large residential projects. Axel is one of the biggest Italian companies with 30 years of experience.

2013

In 2013, we obtained license to retail Italian Prisma Door throughout Iraq. Italian Prisma has more than 40 years of experience and is a pioneer for manufacturing the highest quality elevator doors all over the world.

2014

Since 2014, we represent the Italian Montanari Guilio which is one of the largest manufacturing companies in the world for producing elevator motors with 50 years of experience. The motor is one of the bestselling and famous elevator motors in the world.



Safety, Ethics and Quality



We take the responsibility to protect our workers seriously. Our staff uses safety equipment during installation and maintenance allowing them to provide the best possible service to our customers.

The proof of our work quality is reflected in our elevators and escalators in the many residential and commercial projects. We also design a suitable plan to install our products and provide on-time maintenance according to the agreed contract. This, in turn, reinforces the customers' trust in our company.

As we are constantly growing, we train our staff members to provide the best quality service to our customers. Our values and work ethics are reflected in our service and products.

Our Sustainability



Company's Objectives

With the modernization of society and increasing demand for elevators, our objectives grow and our plans expand to update and upgrade. We have dedicated ourselves to providing a constantly-improving service and establishing continuing trust. Our products are installed with the latest technologies and upgrades our teams of maintenance provide round-the-clock service to deal with any issues arising with our products. Also, we are continuously working towards solving issues particular to the local region.

Our Partnership



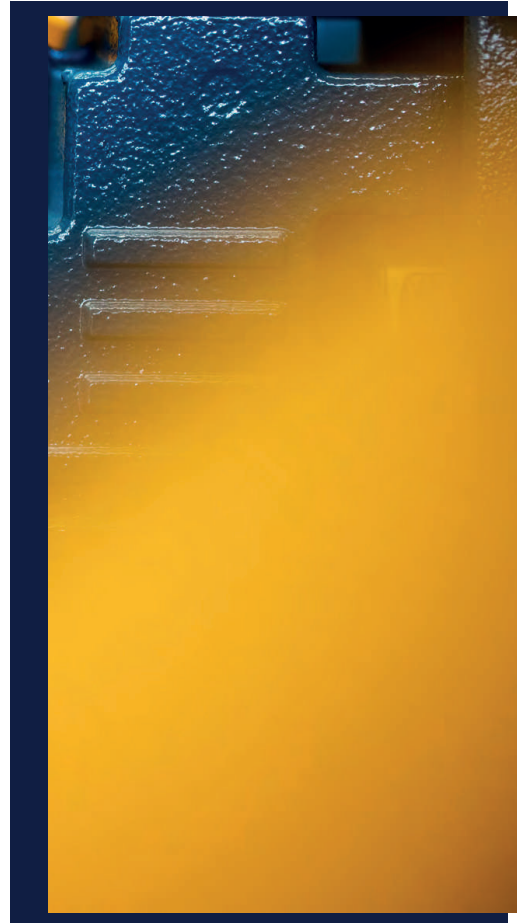
THE ART OF MAKING TRACTION MACHINES



Montanari Group
GEARLESS&GEARBOX
TRACTION MACHINES



MISSION



Guarantee to all customers
all over the world
the distinctive quality
of the Montanari Giulio brand.

HEADQUARTER



Management and manufacturing plant. Modena - Italy: Aereal view.

45.000 sqm - the parent company of the Montanari group. More than 30,000 machines leave from here every year for a global distribution. Manufacturing is internal at 95% and we are ISO 9001 certified. Since 1970, Montanari traction machines and components are the beating heart of thousands of elevators in the world. A brand you can trust without reservation.

Montanari Guilio Machines

The main business of the Montanari Group is the production of gearboxes, gearless, safety devices and accessories for lifting systems. The headquarter (management and manufacturing) of the group is in Italy – Modena where 180 people are employed in an area of 40.000 sqm.



50 years of Experience

The Technical Business Unit – R&D distinguishes for its capacity of developing highly customized designs able to fit even the most tailored needs. In the design and development process, special attention is paid to the efficiency, the energy saving and most important, the safety which is a priority for all the branches of the group. All machines are tested using high precision instruments and simulations are done in the 50 mt height testing tower located in Modena.

TESTING TOWER



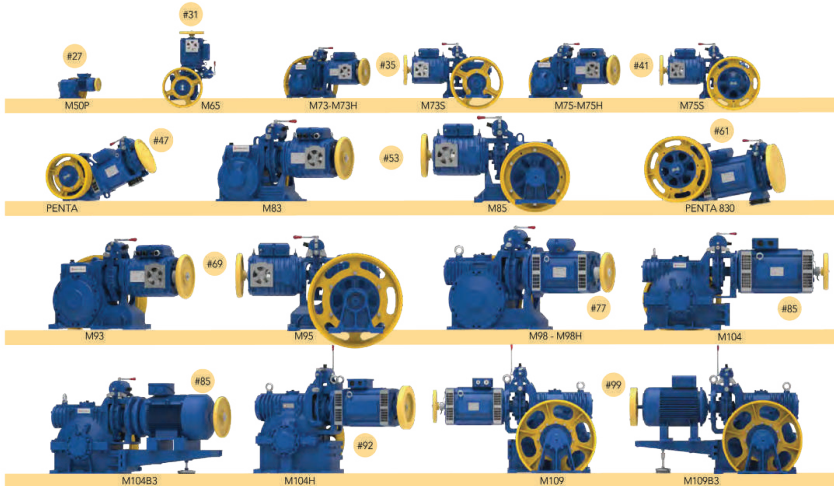
When we say quality and reliability what're we talking about? We talk also about this. The tower is a 50 metres high laboratory with two testing lifts and a panoramic one. Here we simulate the real conditions of use of machines and components. We develop new products and improve the existing ones. The special projects, before being installed, go through a meticulous trial phase. Nothing is left to chance. Its modern design stands out in the panorama of Modena; from its interior you can enjoy a wonderful view of the city and admire the beautiful Ghirlandina tower.

GEARBOXES



Durable and reliable
traction machines.
For your best projects.

LOAD		kg												
		240	320	400	480	630	800	1000	1250	1600	2200	2500	3000	5000
Static load	750	MSOP												
	2200	M65												
		M73												
		M75												
	2700	M73H												
		M75H												
	3000	PENTA												
		M73S												
	3200	M75S												
		M83												
		PENTA 830												
	4000	M85												
		M93												
	5000	M95												
		M98												
7000	M98H													
	M104H													
7500														
12000	M104													
15000	M109													
	M109B3													



ABBREVIATIONS

B	Slow shaft brake
H	High static load without outer support
AL	Extended shaft
HAL	High static load without outer support + extended shaft
HB	High static load without outer support + slow shaft brake
T	Drum

BRAKE GEARS (B)

Are equipped with a passive brake operating on the slow shaft to control the cab movements during lifting as well: the best use is for refurbishing, because they comply with the 2014/33 EU standard while preserving the existing frames and safety gears.

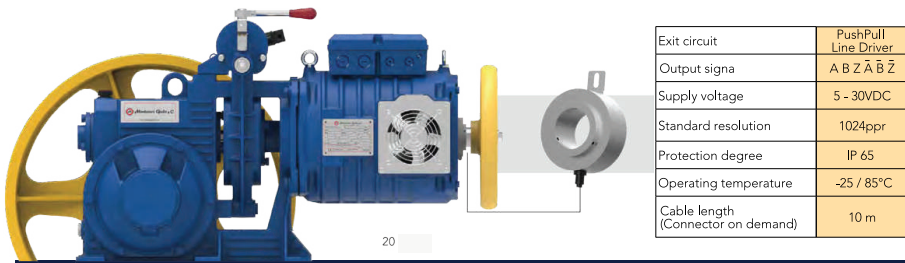


MODULARITY

All Montanari gearboxes can be disassembled into three parts to allow transport and assembly work in machine room.



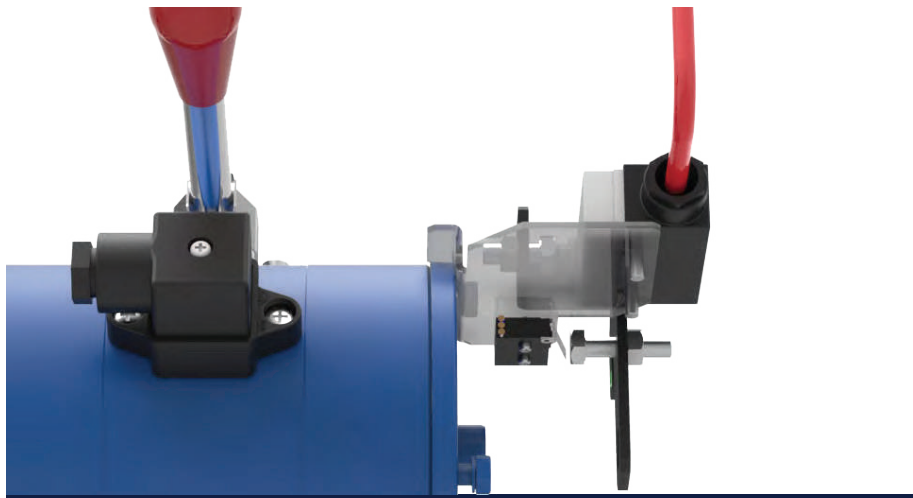
ENCODER: TECHNICAL FEATURES



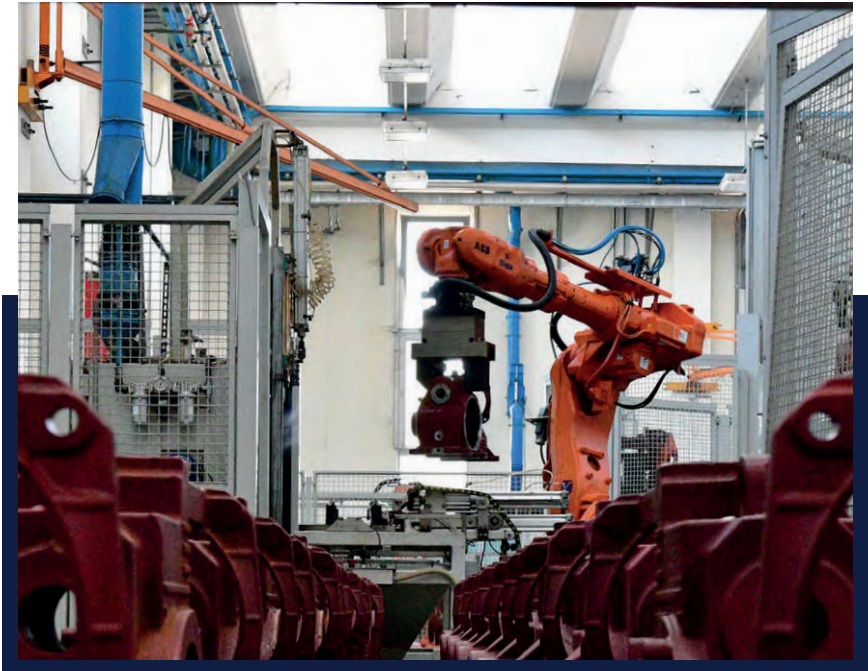
Exit circuit	Push/Pull Line Driver
Output signa	A B Z A B Z
Supply voltage	5 - 30VDC
Standard resolution	1024ppr
Protection degree	IP 65
Operating temperature	-25 / 85°C
Cable length (Connector on demand)	10 m

SAFETY MICROSWITCH

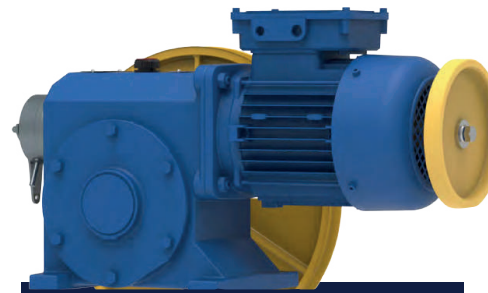
This device allows the electrical check of the correct opening / closing and wear of gearbox brake shoes. It can be used in modernizations aimed to modify the drive of the gearbox from direct and without electronic control to inverter. Note: it is not necessary when an UCMP system is installed. It is applied to brakes of new or already installed Montanari machines.



Home lift & Dumbwaiter



Habitations & Monte-plats .



The most beloved gearbox



The legendary gearbox loved by lift operators.



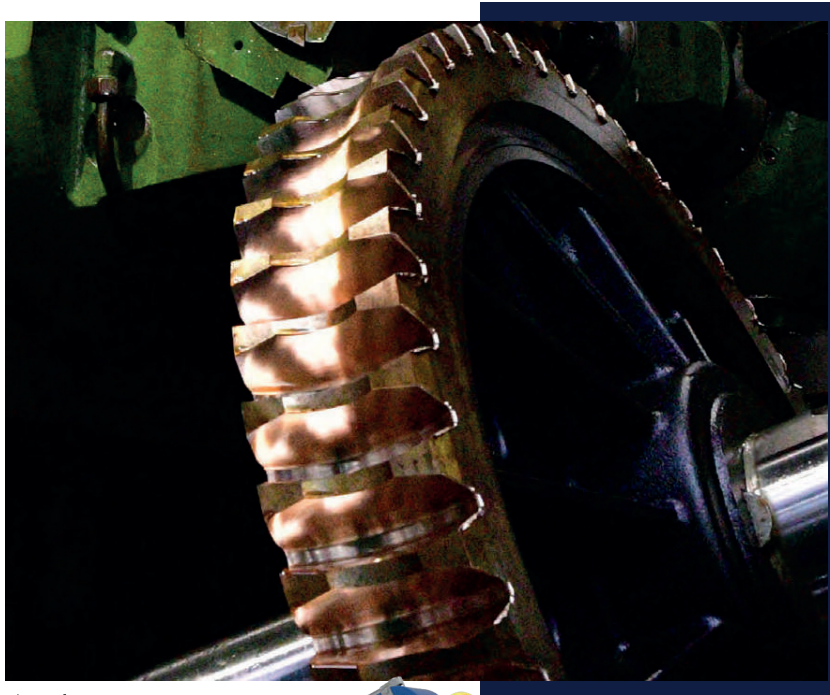
GEARBOX RANGE
M73



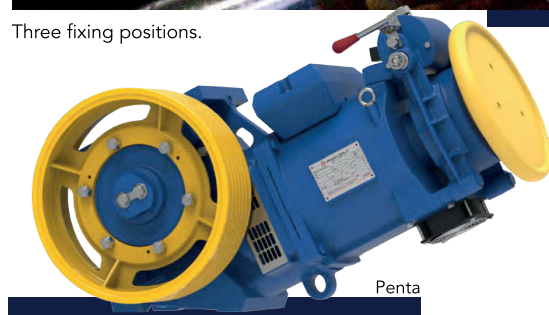
GEARBOX RANGE
M75



The flexible gearbox



Three fixing positions.



Penta

GEARBOX

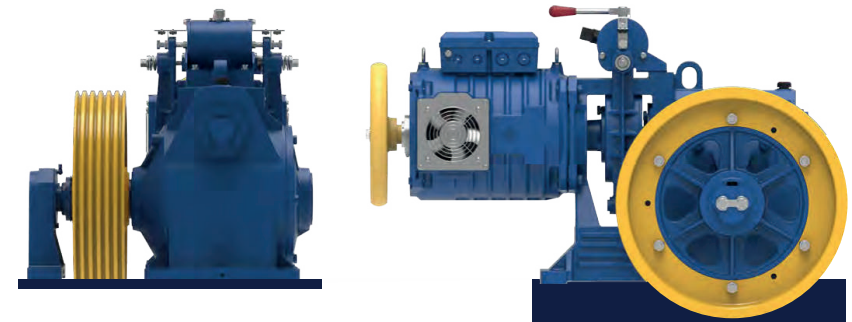
RANGE
M83

- M83
- M85
- M83AL
- M83B

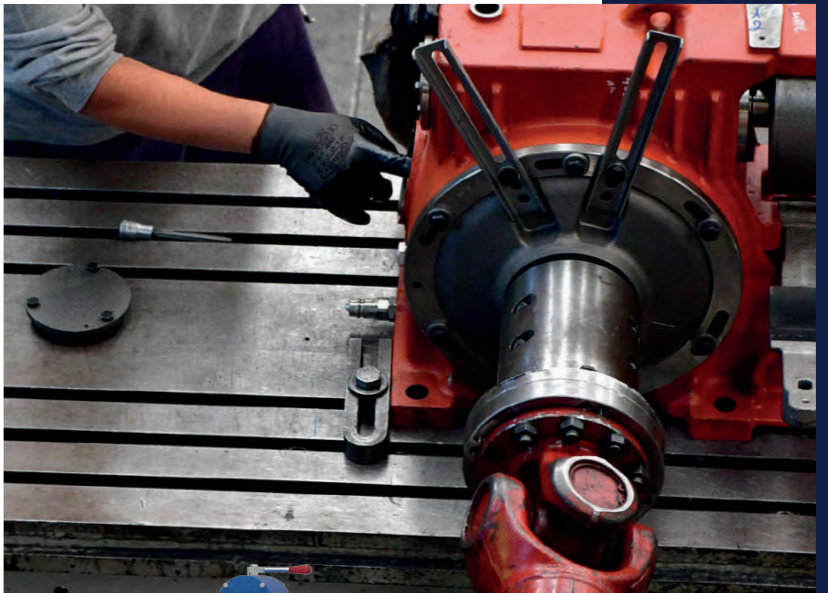


GEARBOX

RANGE
M85



M98H - High static & dynamic load with only two fixing points



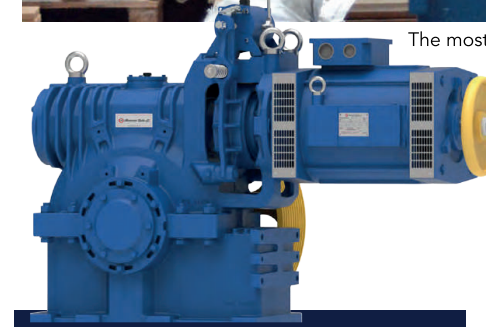
M98H



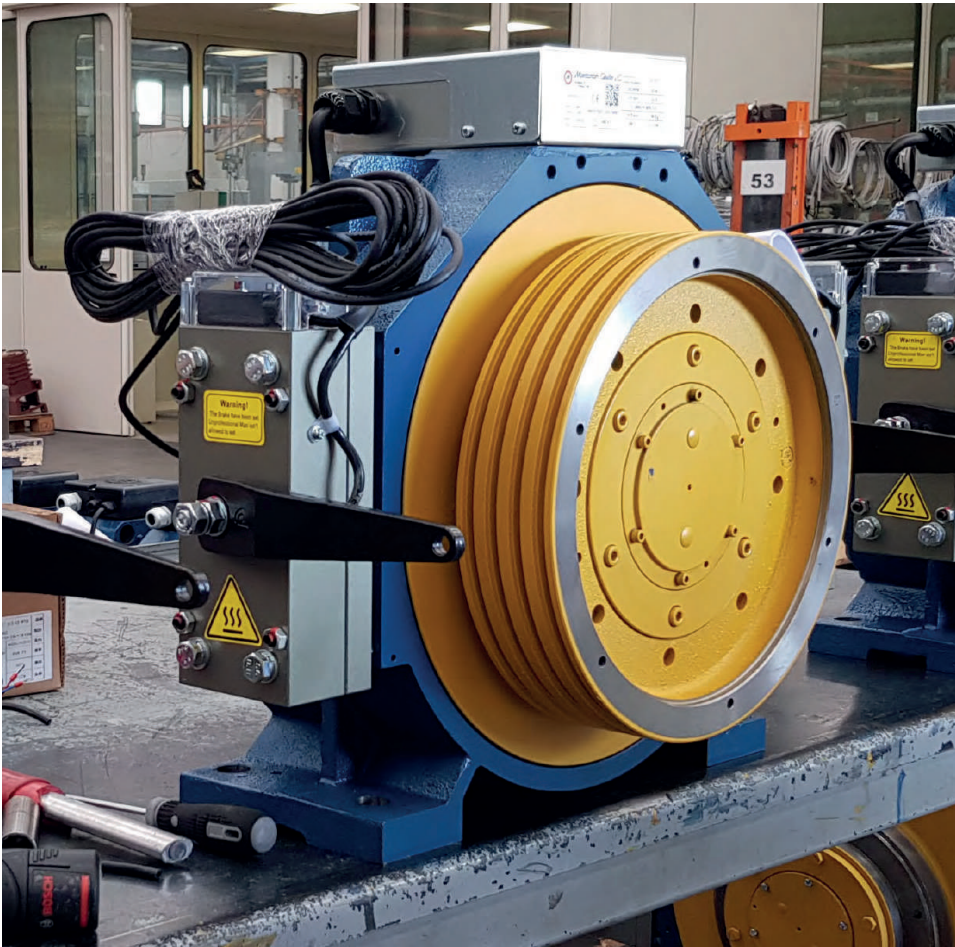
The most powerful



The most powerful gearbox of the standard range.



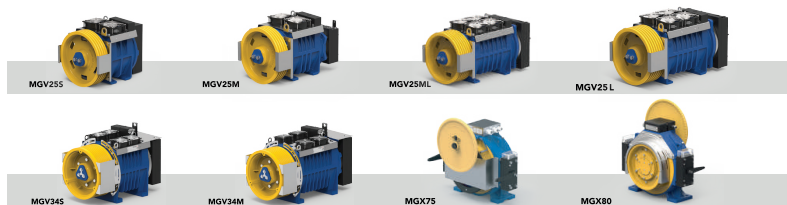
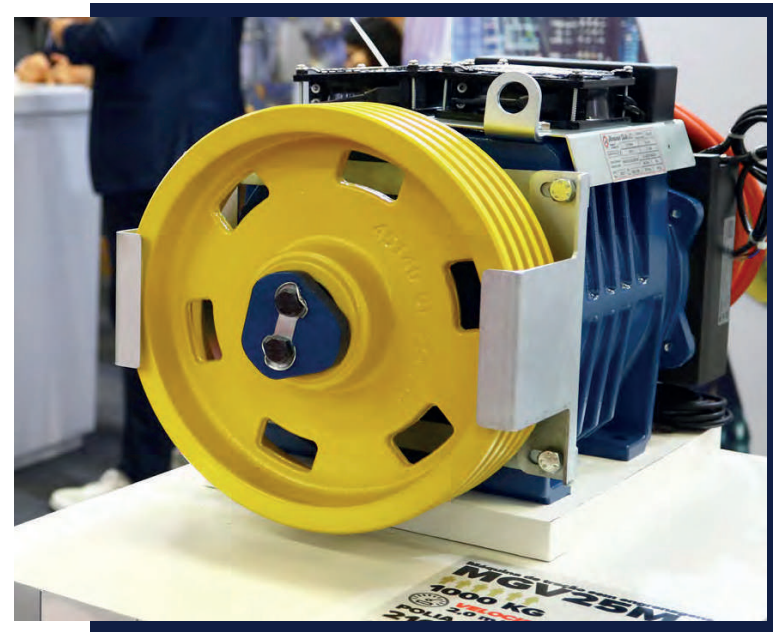
GEARLESS



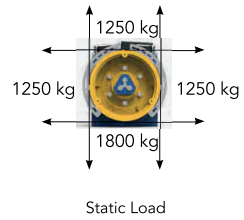
We firmly believe that innovation and investment in research & development are the engine for growth and value creation.

PULLEY	mm	LOAD										
		kg										
		320	400	480	630	800	1000	1250	1600	2000	2500	3000
120					MGX19							
					MGV19							
					MGV19M							
					MGV20M							
160												
					MGV20M							
					MG200.3							
					MGV20L							
210												
					MGV25S							
					MGV25M							
					MGV25ML							
240												
					MGV25L							
					MGV25S							
					MGV25M							
320												
					MGV34S							
					MGV34M							
					MGV34ML							
400												
					MGX80							
					MGV34S							
					MGV34M							
440												
					MGV34L							
					MGV34ML							
					MGX53 - MGX53S							
480												
					MGX80							
					MGV34S							
					MGV34M							
520												
					MGV34L							
					MGV34ML							
					MGX53 - MGX53S							

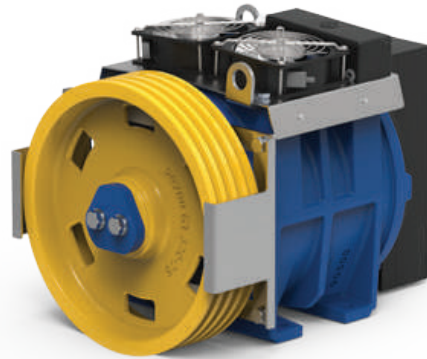
RANGE
MGV25
A perfect solution for many applications



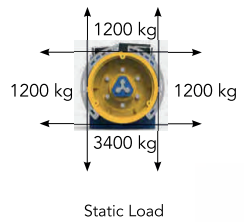
GEARLESS RANGE
MGV 25S



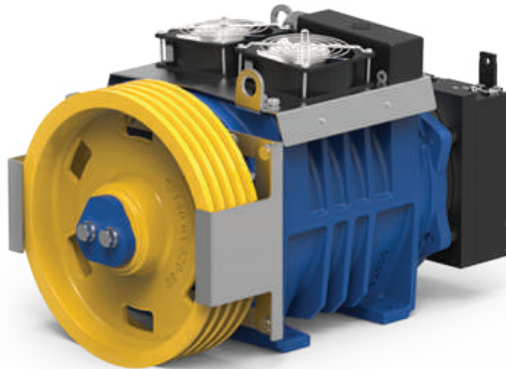
Weight | 120 kg



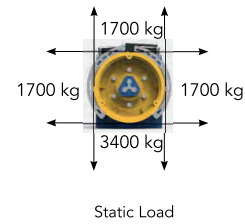
GEARLESS RANGE
MGV 25M



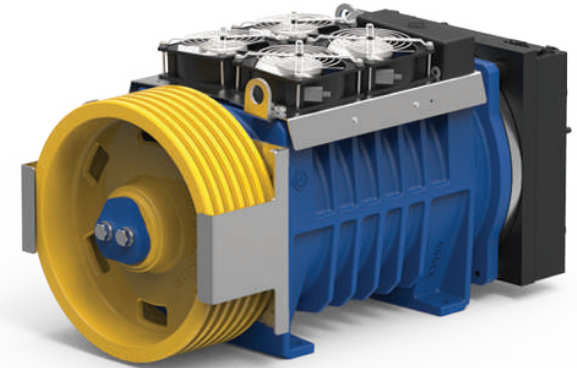
Weight | 180 kg



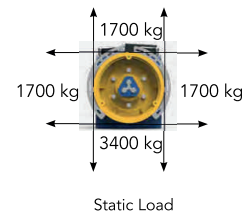
GEARLESS RANGE
MGV 25ML



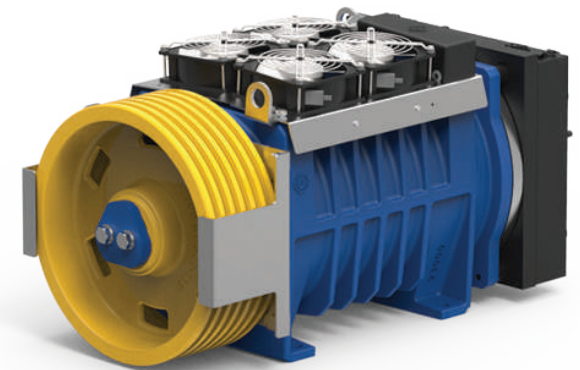
Weight | 220 kg



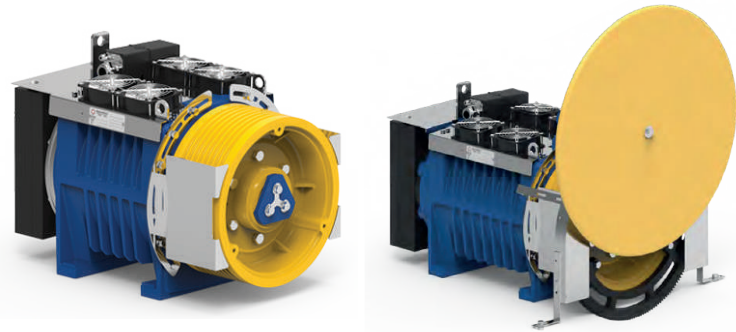
GEARLESS RANGE
MGV 25L



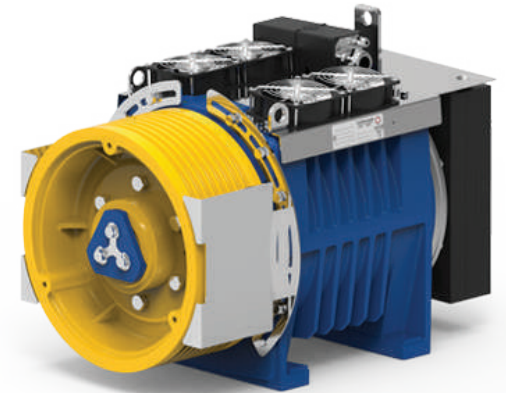
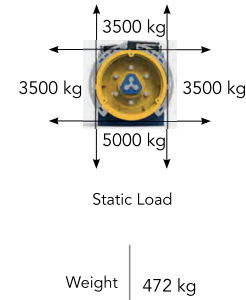
Weight | 240 kg



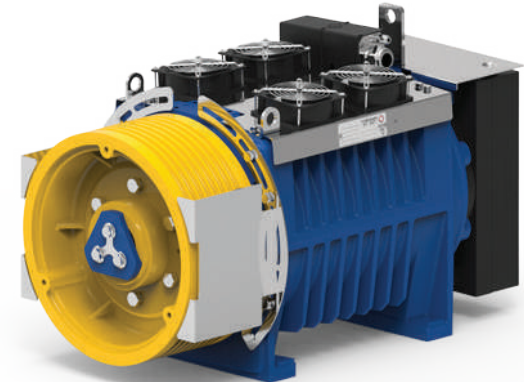
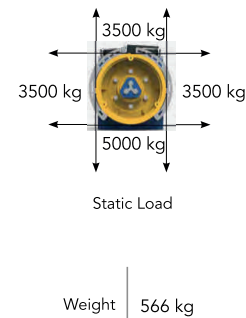
RANGE
MGV34
One gearless for both MR&MRL use



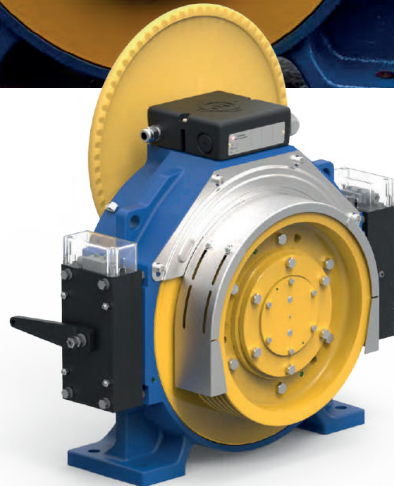
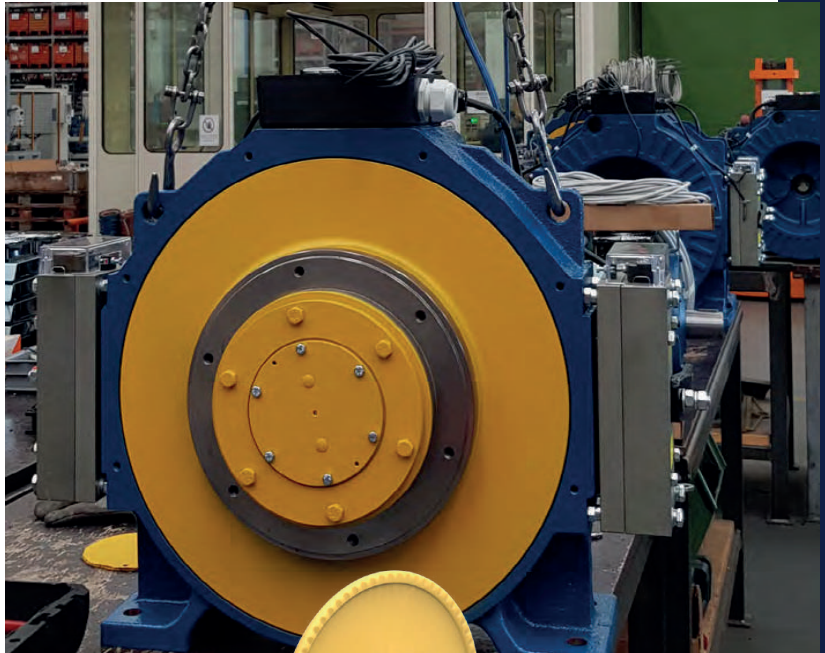
GEARLESS RANGE
MGV34S



GEARLESS RANGE
MGV34M



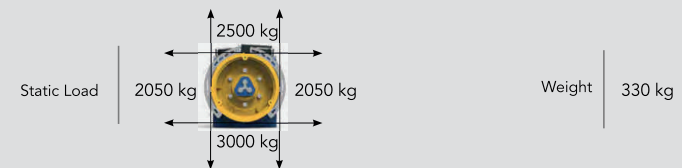
Flat Gearless Single hand rescue system



Protections not included

GEARLESS FLAT GEARLESS

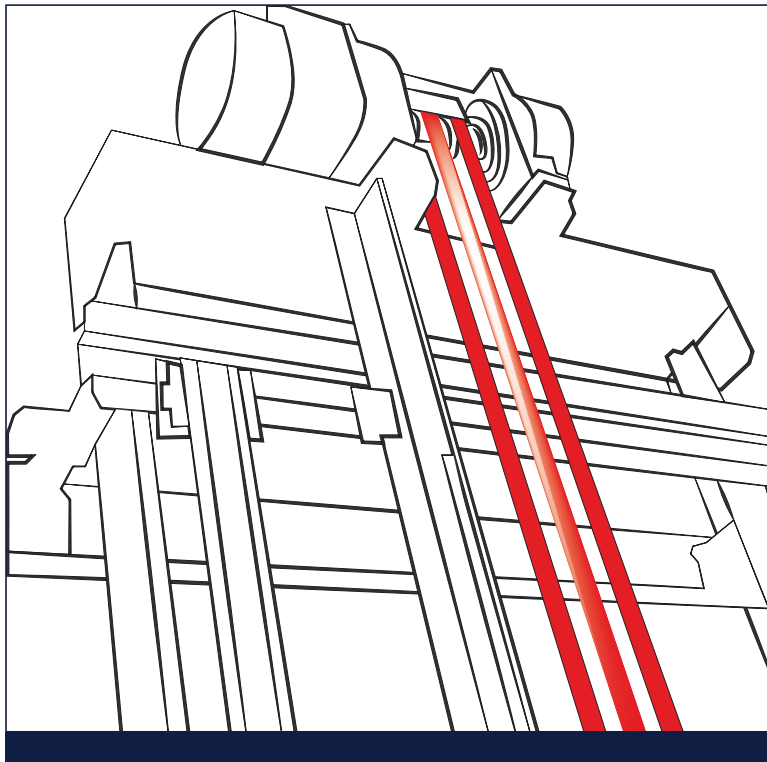
MGX 80



Nominal Torque	Short circuited torque	Poles	Encoder	Motor Cable
Nm	Nm			m
670 S%40 - 5 ED 180 s/h	850	32	Endat SincoS SSI BISS	10
Brake				
EMF2] 01x700Nm] - 2X140W 104V _{bc}				

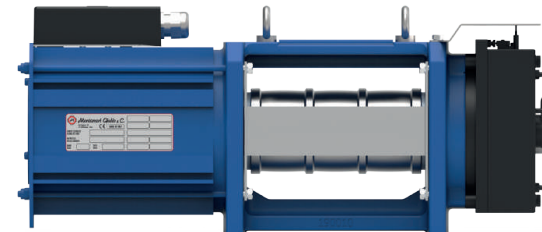
Bedplate & Safety guards #207

Belt Traction machine / GEARLESS



GEARLESS

MB63



static load
carico statico
2000 kg

load
portata
up to 630 kg

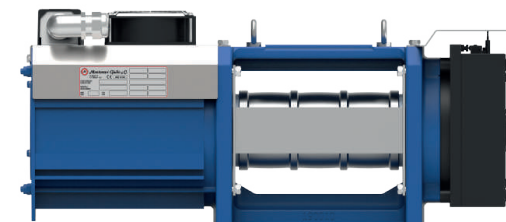
speed
velocità
up to 2 m/s

roping
tiro
2:1

weight
peso
120 kg

GEARLESS

MB80



static load
carico statico
2000

load
portata
up to 800 kg

speed
velocità
up to 2 m/s

roping
tiro
2:1

weight
peso
130 kg

SAFETY



Safety is a priority.
We start from this premise
for the planning
of every minimum detail.

RQ-A			RC		NOR	RH		RG
RQ-A200	RQ-A250	RQA300-	RC200	RC300	NOR	RH200	RH300	RG200
200	250	300	200	300	300	200	300	200
6 - 6,5		6 - 6,5 - 8	6 - 6,5	6 - 6,5 - 8	6 - 8	6 - 6,5	6 - 8	6 - 6,5
SI - YES - OUI - JA								
0,15 - 2,00	0,30 - 2,50	0,30 - 3,00	1,60 - 3,00	1,90 - 4,20	0,30 - 1,50	0,30 - 1,0	0,40 - 1,0	0,15 - 0,30
0,22 - 2,60	0,47 - 3,23	0,46 - 3,45	1,70 - 3,7	2,00 - 5,31	0,40 - 2,00	0,40 - 1,40	0,65 - 1,40	0,20 - 1,00
ARPIONE - HARPOON - CRAMPON KLAMMER - GRAPA			CENTRIFUGO - CENTRIFUGAL CENTRIFUGE - RADIAL - CENTRIFUGO		ARPIONE - HARPOON - CRAMPON KLAMMER - GRAPA			
MONO/BIDIREZIONALE - MONO/BIDIRECTIONAL - MONO/BIDIRECTIONNEL - UNI/BEIDE RICHTUNGEN - MONO/BIDIRECCIONAL								
STANDARD			STANDARD		STANDARD			STANDARD
170			170		219			-
					-			139
STRETTA - NARROW - ÉTROIT - SCHMAL - ESTRECHA			ND		-	STRETTA - NARROW ÉTROIT - SCHMAL ESTRECHA		-
132					-	132	130	-

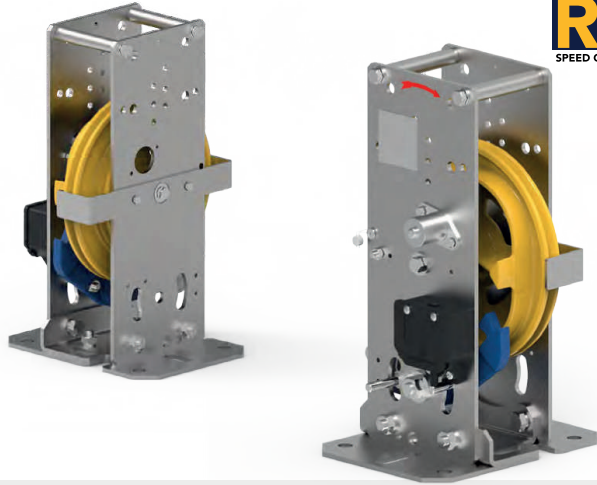
OPTIONAL	OPTIONAL	-	-	OPTIONAL Tab139
OPTIONAL	OPTIONAL	-	-	-
OPTIONAL	OPTIONAL	-	-	-
OPTIONAL	OPTIONAL	-	-	OPTIONAL Tab131
-	-	-	SI -YES - OUI - JA - SI	-
OPTIONAL	OPTIONAL	-	-	-

RQ-A200	RQ-A250	RQ-A300				
OPTIONAL	-	-				
OPTIONAL						
OPTIONAL	-	-				



**Wider intervention range and use.
Suitable also for home lift.**





RQ-A
SPEED GOVERNORS

RQ-A is the evolution of the historical Montanari RQ speed governor. Better performance for this new model suitable also for Home Lift use. Applicable to rope and hydraulic systems, it can be installed on the cabin safety gear or on the counterweight.



Metal sheet protections on request.

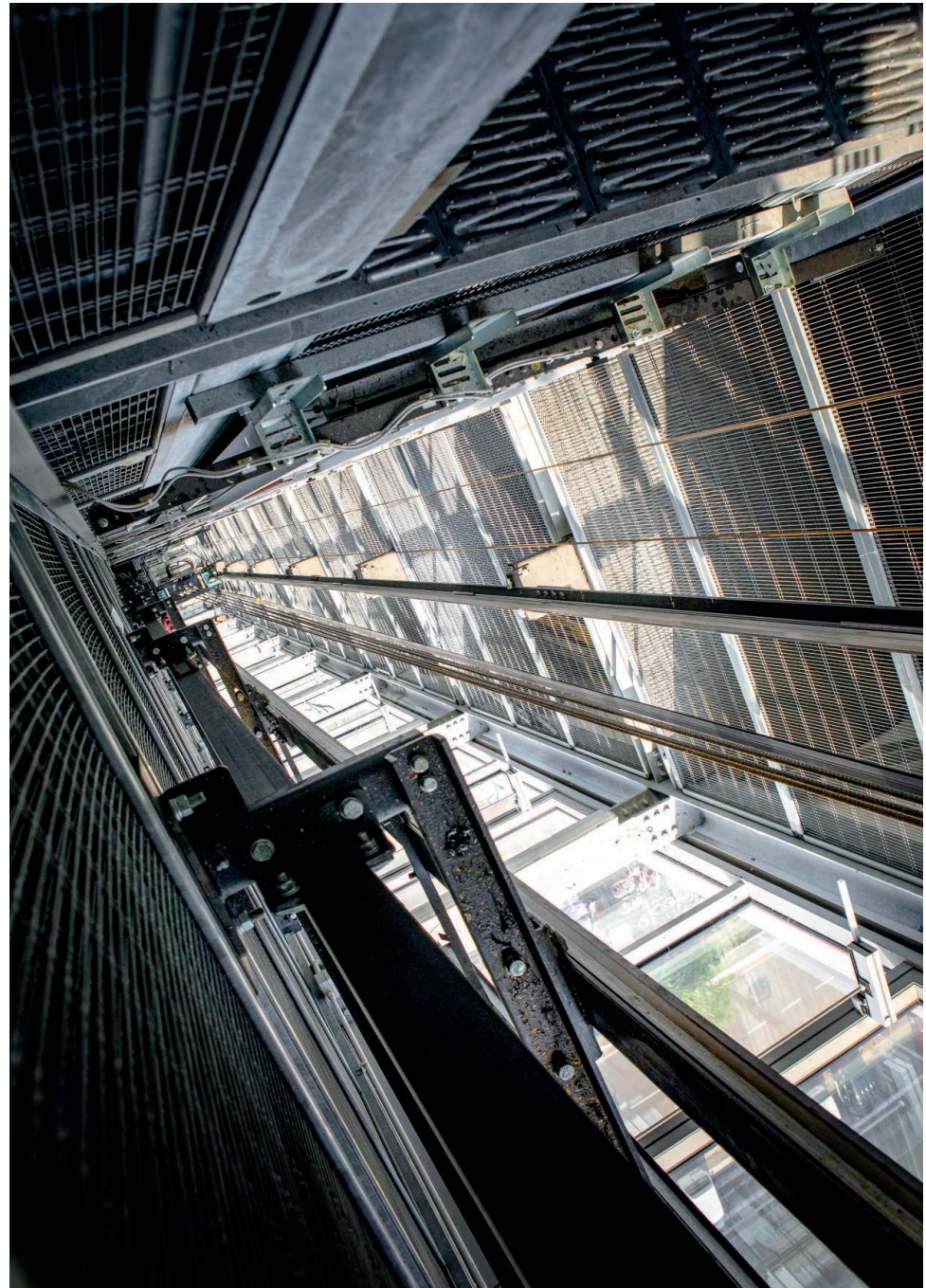


HANDSIDE DX

Speed governor with pulley dia. 300 mm and test groove, one-way or bidirectional.

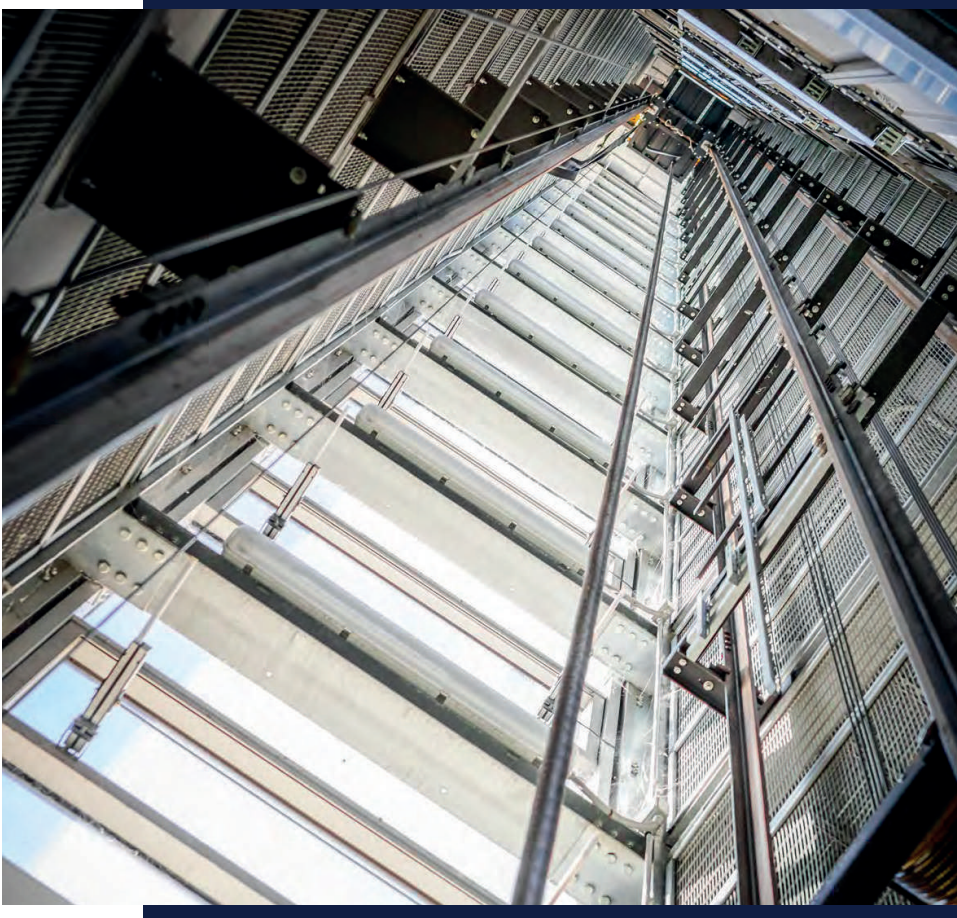


Tension devices

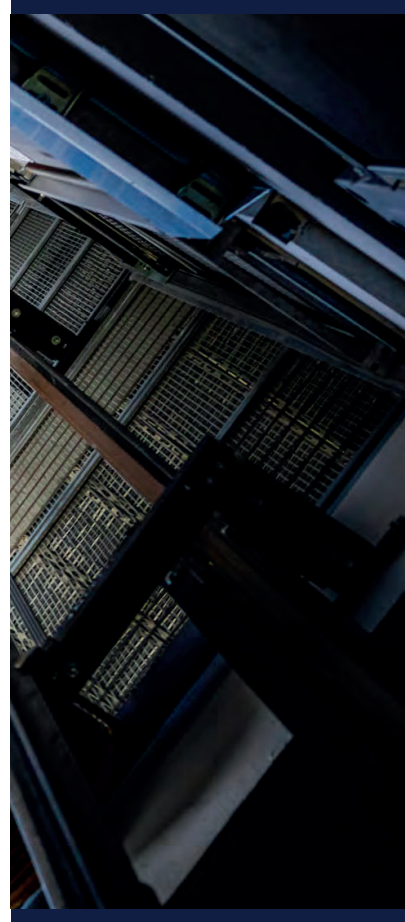


ACCESSORI

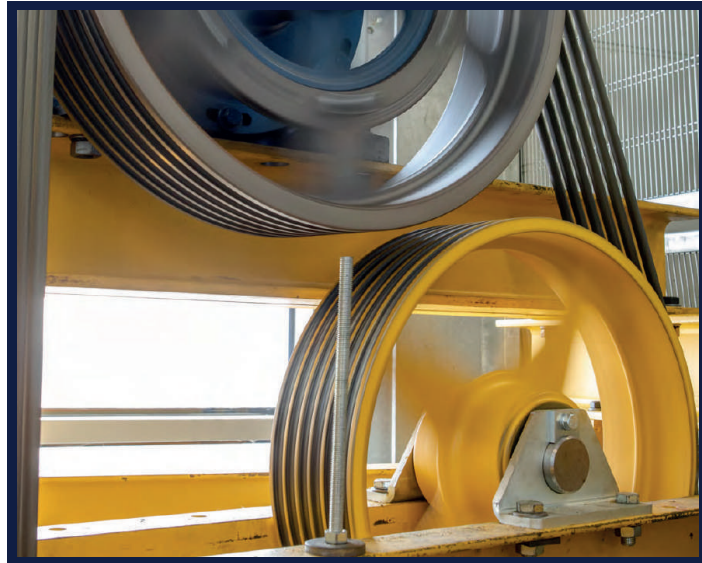
Components



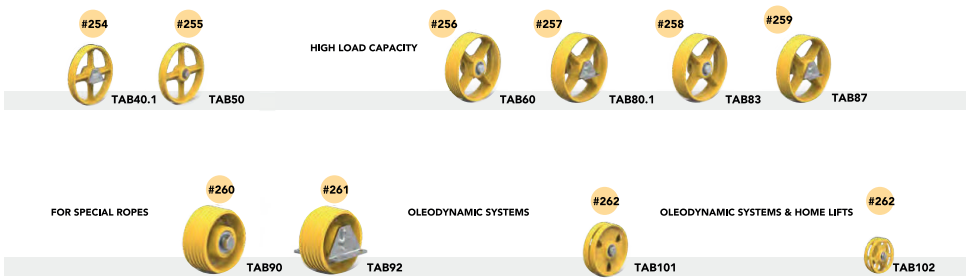
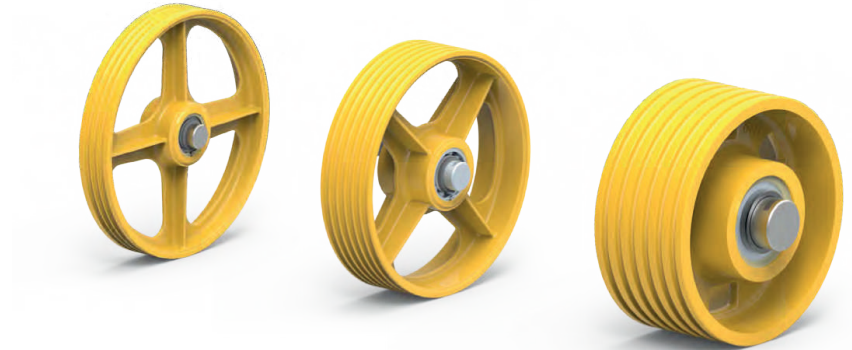
Never neglect the details
to get great results.



Diverting pulleys



DIVERTING PULLEYS



The maximum load specified shall be understood as a static load, while assessments of duration can be performed only knowing operating conditions, load and speed on the pulley. Pulleys with different feautures are available upon request (pitch, \varnothing ropes, grooves no. and load).

TAB40.1 DIVERTING PULLEY

WITH SUPPORTS



TAB50 DIVERTING PULLEY

WITH SHAFT FOR KEEPER PLATES



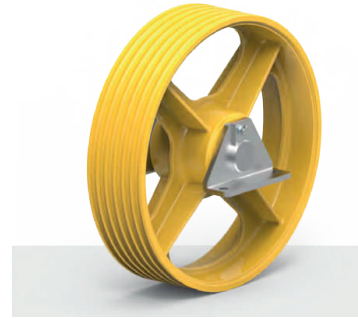
TAB60 DIVERTING PULLEY

HIGH LOAD CAPACITY WITH SHAFT FOR KEEPER PLATES



TAB80.1 DIVERTING PULLEY

HIGH LOAD CAPACITY WITH SUPPORTS



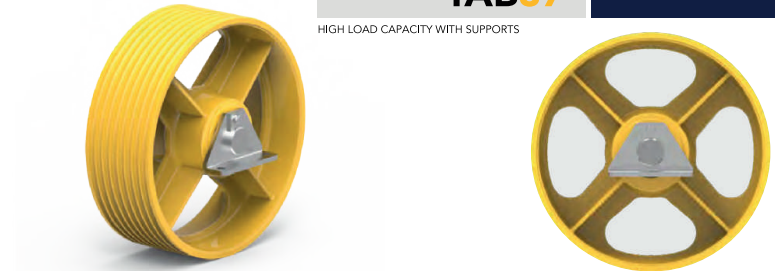
TAB83 DIVERTING PULLEY

HIGH LOAD CAPACITY WITH SHAFT FOR KEEPER PLATES



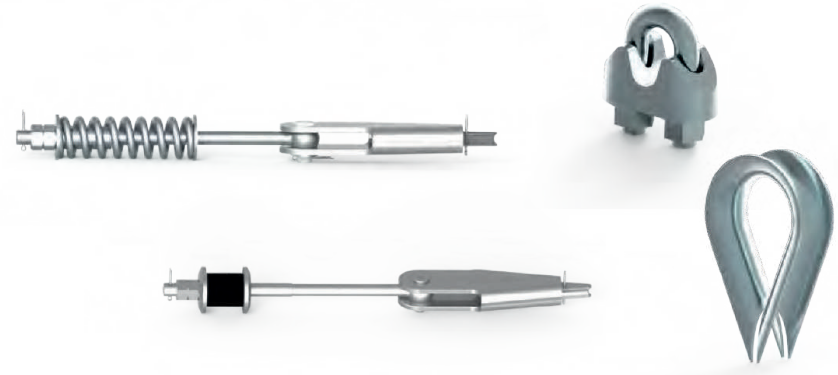
TAB87 DIVERTING PULLEY

HIGH LOAD CAPACITY WITH SUPPORTS

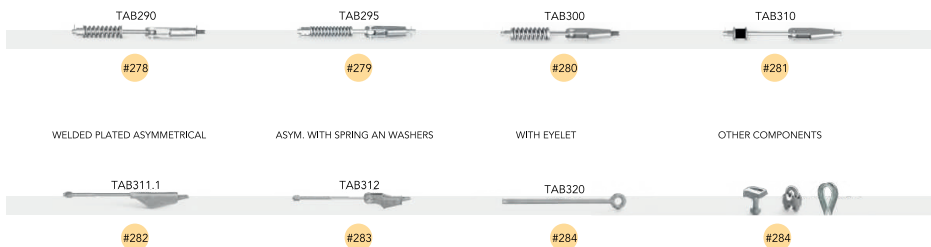


Rope components

ROPE COMPONENTS



SYM. WITH SPRING AND DISTANCE PIECE SYM. FOR ROPES 6.5 - 6 - 5 - 4 SYM. WITH SPRING AN WASHERS SYM. WITH RUBBER BUFFER AND WASHERS



The rope attachment is available in the following versions:

- symmetrical - asymmetrical - with eyelet.
- All models are compliant with the current regulations. Standard lengths are reported on the catalogue, other sizes are available on demand.
- Orders should contain the rope attachment item code and the one of the accessories:
- spring and distance piece (TAB290 - TAB295);
 - spring with washers (TAB295 - TAB300 - TAB311.1 - TAB312);
 - rubber buffer with washers (TAB295 - TAB310 - TAB311.1).

TAB290 ROPE ATTACHMENT

SYMMETRICAL WITH SPRING AND DISTANCE PIECE ACCORDING TO EN 7-13411



TAB300 ROPE ATTACHMENT

WITH SPRING AND WASHERS ACCORDING TO EN 7-13411



TAB310 ROPE ATTACHMENT

WITH RUBBER BUFFER AND WASHERS ACCORDING TO EN 7-13411



PRISMA

LIFT COMPONENTS



Prisma Doors

Every day we design the best solutions for the elevator world.

Over 40 years of experience, the valuable support of our customers as well as the proven reliability of the PRISMA components have led to the development of easy and quick solutions for the modernization of old lifts which guarantee the same level of safety as the new installations.

PRISMA MOD products are synonymous with smart, engineered and unique solutions for the modernization of old lifts.

The study of PRISMA MOD solutions is entrusted to the company's technical department. A team of specialists is dedicated to the mechanical design of the components, production planning and the preparation of manuals for installers.



40 YEARS OF EXPERIENCE



Headquarters and Production Unit in ITALY

The continued attention to technical development and innovation as well as the aim for the highest quality, performance, safety and Customer support are the cornerstones of our company.

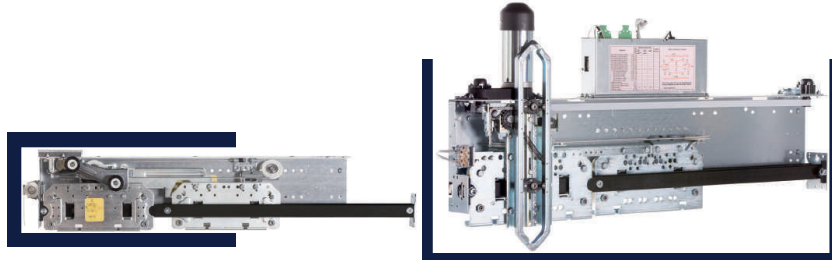
Our technical areas of expertise range from new installations to designing of special custom solutions up to modernization and space-saving solutions in which we are true specialists.



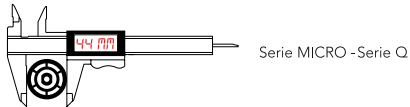
The Serie F1 landing door

The frames and panels are usually powder-coated RAL 7038 but can also be lined in plastic-film coated steel plate or in stainless steel upon request, colored stainless steel is also available. The door is supplied in an assembly kit. Noiseless and reliable, lightweight, easy-to-install, also suitable for heavy-duty installations. With clear opening from 700 to 900 mm and clear height 2000 and 2100 mm. Available in two-panel center or telescopic side opening version, Standard and Fire-Rated E120 and EW60

Serie Micro Serie Q



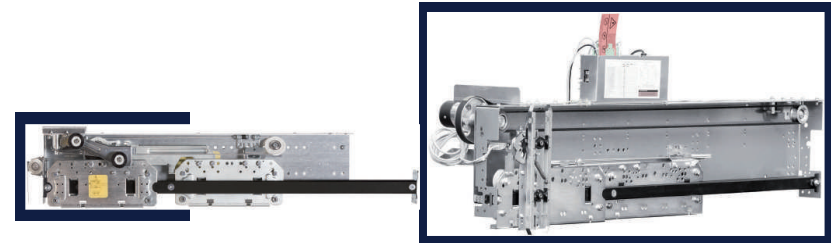
- Automatic car door operator Serie MICRO and Serie Q landing hanger for Medium-Low traffic
- Clear opening up to 1100 mm wide and 2300 mm high
- Sliding rollers with 44 mm diameter (Slim version) or 67 mm diameter upon request (Medium version)
- 100 Watt inverter-controlled Motor (230 Vac single phase power supply)



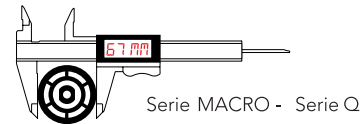
TY	CO	TB	IPL	CH		SILL SCHWELLE SOGLIA		
				min	max	STANDARD	MINI	SILL STANDARD
	mm		mm		mm			
C1S L1S	500	1100	2000	2300	50	25	50	
C2C L2C	550	1100			50	25	50	
C2S L2S	550	1100			90	50	75/90	
C3S L3S	550	1100			120	75	120	
C4C L4C	650	1100			90	50	75/90	

CO and CH dimensions different from those indicated are available upon request

Serie Macro Serie Q












- Automatic car door operator Serie MACRO and Serie Q landing hanger for Medium High traffic
- Clear opening up to 3300 mm wide and 2800 mm high
- Sliding Rollers with 67 mm diameter (Medium and Large versions)
- 200 Watt inverter-controlled Motor (230 Vac single phase power supply)



TY	CO	TB	IPL	CH		SILL SCHWELLE SOGLIA
				min	max	
	mm		mm		mm	
C1S L1S	500	1100	2000	2800	50	
C2C L2C	600	1600			50	
C2S L2S	600	1600			90	
C3S L3S	900	1900			120	
C4C L4C	900	3200			90	
C6C L6C	1200	3300	120			

CO and CH dimensions different from those indicated are available upon request

SPARE PART

item	Picture
Skate door	
Door mot	
Drive door	
Lock door	
Door shoes	
Contact	
Emergency release	
Door rope	
Door spring	





WEG is a global company and is regarded as one of the world's leading manufacturers of energy efficient electric motors, automation, power transmission, renewable resource technologies, solar, biomass and wind power generation, distribution equipment, and industrial coatings and varnishes. Doing business in over 135 countries, WEG is one of the top global players with background expertise to provide full turnkey systems for a wide variety of industrial applications.

WEG is regarded as one of the world's largest manufacturers of commercial and industrial electric motors, gearboxes, automation technologies, control and protection systems, power generation equipment and industrial coatings and varnishes. Besides the already-established global network of manufacturing sites, commercial operations, distributors and service centers, the acquisition of new brands and joint ventures established along the years have expanded the product and service portfolio and made the company business even more solid and competitive.





With decades of experience in developing electronic products, WEG offers high-performance and efficient solutions in drives for industrial electric motors. Developed in compliance with international standards, WEG drives offer flexibility and innovation to increase the productivity and reliability of your processes.

High-performance and energy-efficient solutions, WEG frequency inverters use cutting-edge technology for the speed variation of three-phase induction motors. Presenting a modern design and easy installation, they can be used in different industry segments, streamlining operations and contributing to environmental conservation.

ADL300



The **ADL300** series provides maximum safety, comfort and reliability for all types of civilian lifting systems in addition to its competitiveness. With modern software, developed for geared and gearless traction systems with absolute or incremental encoder, it provides exceptional control. The precise landing on the floor and the load compensation at startup provide passengers with an extremely comfortable ride. The ADL300's compact size and operation in contactor or contactorless mode make it perfect for machine roomless applications.

Principle Characteristics

Power Range

ADL300 - 2M: Single phase version 200Vac - 230Vac - 50/60Hz - 1,1kW (1 HP) - 5,5 kW (7,5HP)
 ADL300 - 2T: Three-phase version 200Vac - 230Vac - 50/60Hz - 4 kW (5 HP) - 37 kW (40 HP)
 ADL300-4: Three-phase version 230-400-480 - 50/60Hz - 4 kW (5 HP) - 75 kW (100HP)

Applications

High-rise building with velocity profile above 2.5 to 5 m/s;
 Medium building with velocity profile above 0.8 to 2.5 m/s;
 Low-rise building with speed profile above 0.6 to 0.8 m/s;
 Residential elevators with speed profile 0.3 up to 0.6 m/s.

ADL500

The ADL500 family is composed of three lines: ADL550, ADL530, and ADL510. Designed to meet the demands of high, medium, and low-rise building applications, not to mention the building retrofit market. The new ADL500 series also offers the latest in functional safety, energy savings, and connectivity.

ADL510- Low Rise

Designed to be simple to apply and easy to install, it is compatible with typical low-rise or retrofit asynchronous motors, and can be used in either open or closed loop. The ADL510 is a versatile inverter ready for use when servicing elevator systems.

Power

ADL510-4: 3ph 400V (-15% / +10%) @50/60Hz

Power Range

ADL510-4: 4kW (5Hp) ... 15kW (20Hp)

ADL530- Med Rise

Designed to control geared and gearless motors. It has in its Standard version a universal encoder (endat, sincos, biss and digital incremental) and an RJ45 communication port, bringing versatility and flexibility to the ADL530.

Power Supply

ADL530-4: 3ph 230-400-480V (-15% / +10%) @50/60Hz

Power Range

ADL530-4: 4kW (5Hp) ... 15kW (20Hp)

ADL550- High Rise

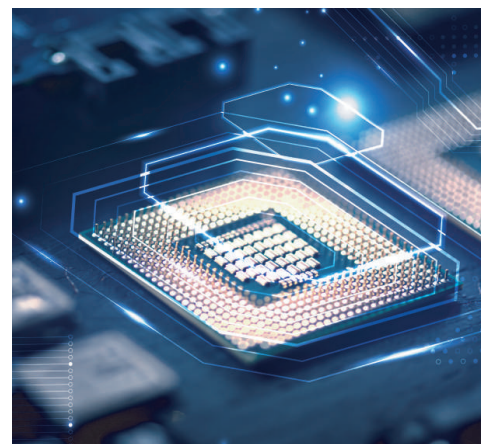
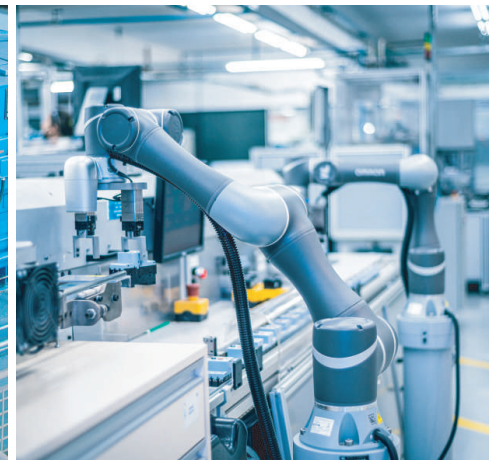
Specifically designed for installations requiring high levels of performance with advanced safety features such as OFF SIL3 safe torque (no contactors), safe brake testing (SBT). The ADL550 offers high technology for applications in buildings with more than 10 floors and a speed profile of more than 1.2 m/s, as well as compatibility with regenerative power systems.

Power supply

ADL550-4: 3ph 230-400-480V (-15% / +10%) @50/60Hz

Power range

ADL550-4: 4kW (5Hp) ... 15kW (20Hp)





VEGA[®]
ITALIAN STYLE FOR LIFT

Vega. Italian Style for Lifts.

Vega stands for world-renowned Italian excellence in accessories for elevators. Over time, we have become a leader in the design and manufacture of innovative electronic systems. Systems capable of handling any type of lift and elevator platform, combining aesthetics and functionality. Today, Vega can offer you user-specific solutions thanks to the operational synergy between the company's five specialised Areas. All of this comes together in an integrated system with which it is possible to diagnose and monitor Vega devices simply via the Internet, from any part of the world.

Vega quality, true quality.

Vega products are ISO 9001: 2008 quality certified. This is thanks to our Vega Lean production approach (for a production system that is efficient, fast and waste-free) coupled with maximum control over Supply chain quality (Vega's selected supplier chain). Last but not least, thanks to quality controls which cover the entire production process and product quality that meets national and European standards.



Italian design aims high.

Italian design enters the elevator sector. And transforms it into a sophisticated multi-sensory environment, in which creativity gives rise to new ergonomic design. Where precious materials and refined finishes offer an engaging tactile and visual experience. All this is made possible thanks to the great inspirational spirit of Vega's designers.

Every Fixture represent something special,
everyone with different style that makes
amazing your decor





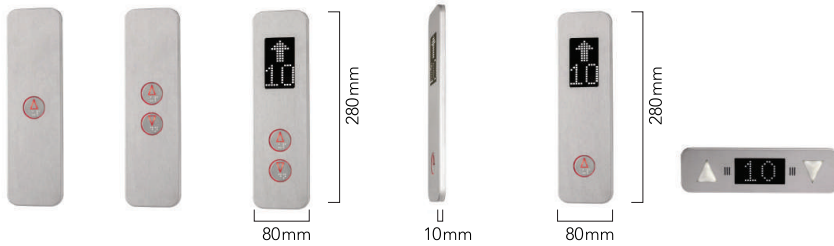
COMPACT

Slim fixture in stainless steel AISI 304, ideal for modernisation.



MAIN FEATURES

- Fixing wall mounting, without cutting or patching.
- Cop 180x1000x10mm (customizable height).
- Lop 80x280x10mm.
- Back frame: zinc-coated for Cop and ABS for Lop.
- Finishes: scotch brite or satin gold pvd.
- Integrated electronic system.
- Red led display.
- COP configuration: up to 15 floors3+ services.
- Push buttons: nylon with flush mounting, pressel in polycarbonate with stainless steel AISI 304 or gold pvd coated finishes.
- Illuminable raised legend and braille.
- Wiring: parallel.



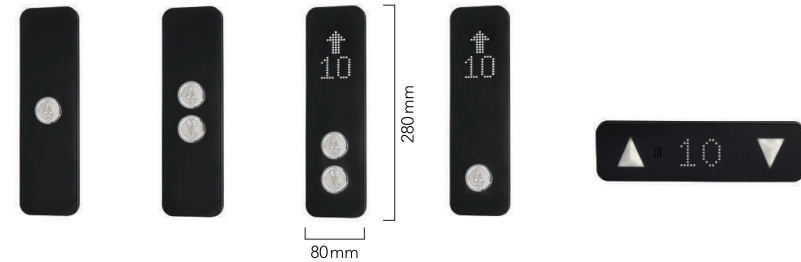
VISION

Slim fixture in stainless steel AISI 304, ideal for modernisation.

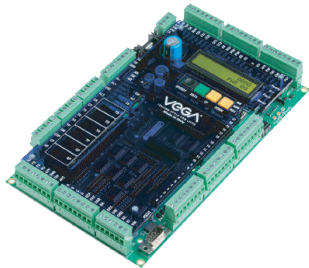


MAIN FEATURES

- Fixing wall mounting, without cutting or patching.
- Cop 180x1000x15mm.
- Lop 80x280x12mm.
- Back frame: zinc-coated for Cop and ABS for Lop.
- Material: black PMMA.
- • Integrated electronic system.
- Dot matrix display.
- COP configuration: up to 18 floors3+ services.
- Push buttons: ALPHA zamak push button with pressel in polycarbonate with stainless steel AISI 304 or gold pvd coated finishes.
- Illuminable raised legend and braille.
- Wiring: parallel and pre-wired system.









Control boards
VEG 2000



Parallel/serial control board.

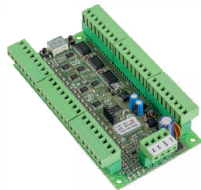
FOCUS

-  MAX NUMBER OF STOPS: up to 24 by parallel connection, up to 32 by serial connection.
-  LIFT TYPE: hydraulic and traction lifts/homelifts.
-  SPEED: up to 4 m/s
-  MULTIPLEX MANAGEMENT: up to 8 lifts in the same group by using the dedicated multiplex kit.
-  PROTOCOLS: 2 "VEGA serial" channels, 1 "RS232" channel.
-  CAR POSITIONING: by using magnetic sensors without additional expansion boards. By incremental encoder or absolute encoder CAN-BUS with additional expansion board.

MAIN FEATURES

- Lift operations types - Hold-to-Run, 1 single call plant, collective.
- Keypad - Removable with LCD display (16 characters x 2 rows). Removable with graphic display (128x64 pixel) – OPTIONAL MODEL VEG-2000DG.
- Diagnostic - LEDs on board.
- FW update - By external keypad DISP912.
- Programming - By local keypad, by PC both in local and remote.
- Remote monitoring - With Vega Cloud system via GSM data.
- VVVF Management - By digital or analog commands (additional expansion needed).

ITF400



ITF400

Serial expansion board for car.

- Main Features
- Programmable by control board.
 - 24 I/Os.
 - Maximum current on outputs: 100mA.
 - Diagnostic LEDs.



VEGA control panel main specifications:

- LIFT TYPE: hydraulic and traction lifts / homelifts.
- MAX NUMBER OF STOPS: up to 24 by parallel connection, up to 64 by serial connection.
- SPEED: up to 4 m/s.
- MULTIPLEX MANAGEMENT: up to 8 lifts in the same group by using the dedicated multiplex kit.
- PROTOCOLS: 2 "VEGA serial" channels, 1 "RS232" channel.
- CAR POSITIONING: by using magnetic sensors without additional expansion boards. By incremental encoder or absolute encoder CAN-BUS with additional expansion board.
- Call processing : Parallel / VEGA serial LOP & COP, also the call can be cancelled on COP in both serial & parallel.
- LOP & COP display : Seven segment , Binary code, VEGA serial LOP & COP.
- Board can store in memory up to 32 faults, then it continues overwriting the older ones.
- The fault code is stored also the time in hours (up to a maximum of 99 hours) elapsed since the previous failure.
- Keypad - Removable with LCD display (16 characters x 2 rows). Removable with graphic display (128x64 pixel) – OPTIONAL MODEL VEG-2000DG.
- Diagnostic - LEDs on board.
- FW update - By external keypad DISP912.
- Programming - By local keypad, by PC both in local and remote.
- Remote monitoring - With Vega Cloud system via GSM data.
- VVVF Management - By digital or analog commands (additional expansion needed).

GUSTAV WOLF



GUSTAV WOLF

More than 130 years of experience

Gustav Wolf looks back on over 130 years of company history. The group of companies consists today of eight modern production sites in Germany, France, Hungary, Dubai, China, Poland and USA. Gustav Wolf is included among the important international manufacturers of steel wire ropes of elevators.

Our logistics center in Germany and a worldwide network of distributors provide for accurate and timely deliveries to our customers which include the largest in the industry and also many middle-sized companies.

From start of manufacture to the finished rope Gustav Wolf conducts all production steps in-house, particularly the drawing of our own wires, which facilitate essential control over quality.

Our modern production machinery technical know-how, dedicated workers and tradition of premium products assure that in Gustav Wolf you have a reliable partner.

Elevator Rope

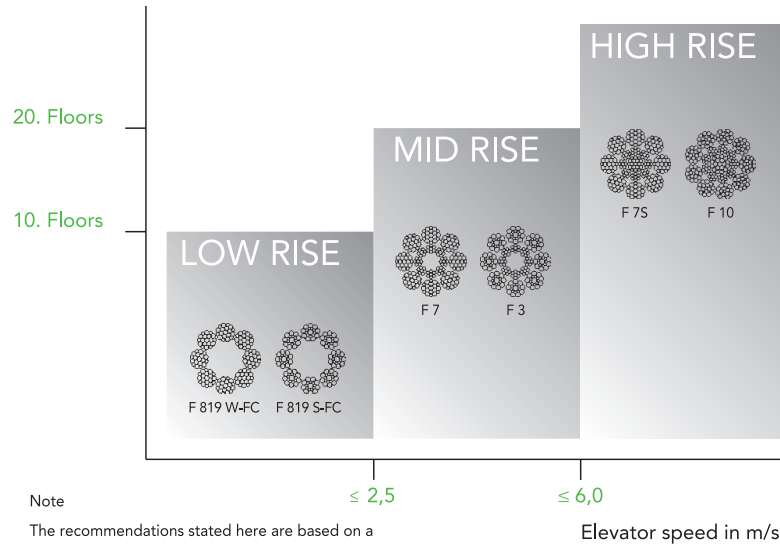
Selection Criteria

Tips for rope selection

In the various elevator designs the rope is subjected to very different demands. The choice of the correct rope construction results from the optimization among:

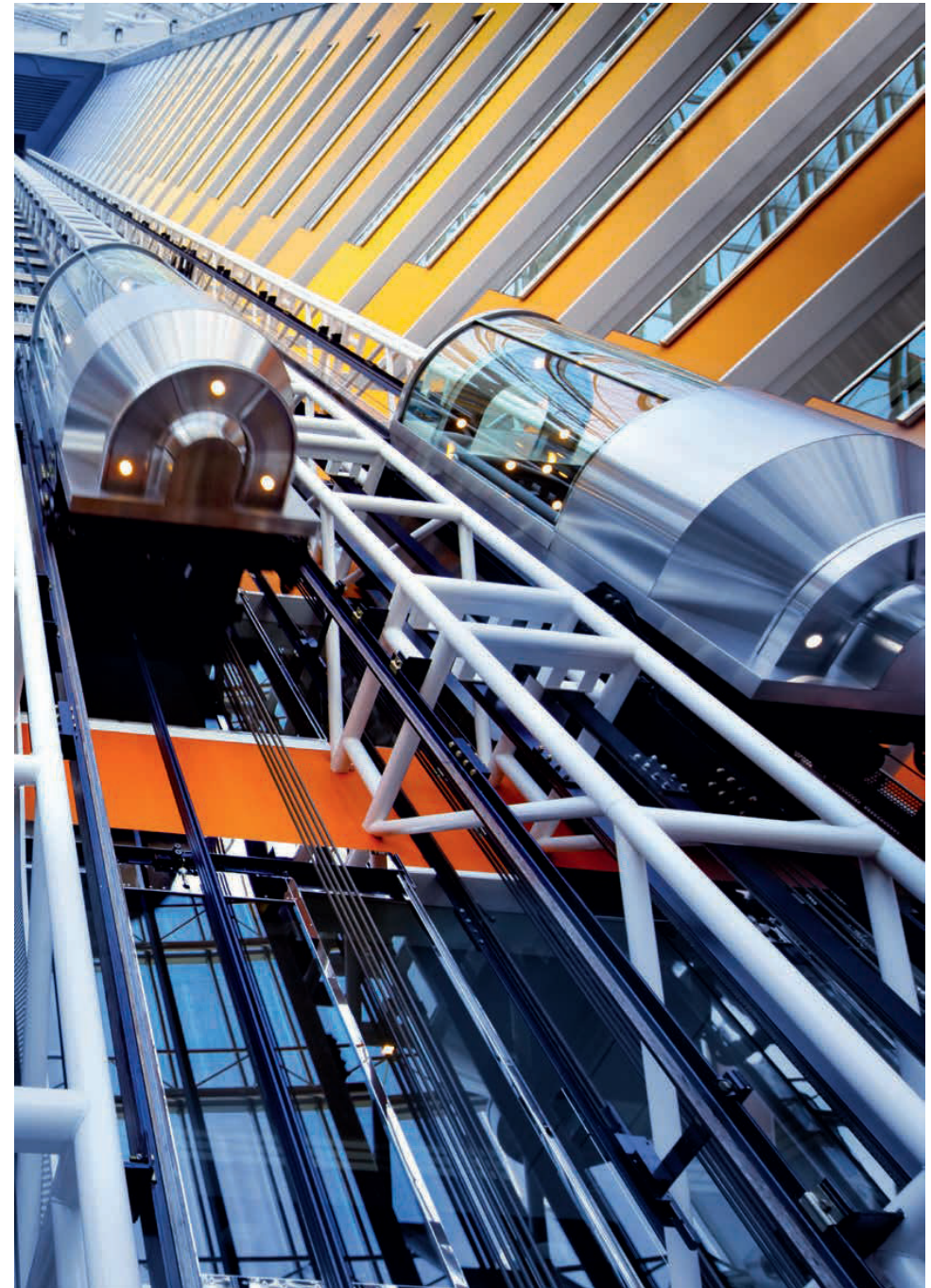
- high resistance to rope fatigue
- high wear resistance
- low elongation

	Travel height		
	< 30	≤ 60	> 60
F819 W-FC	X		
F819 S-FC	X		
PAWO F7	X	X	
PAWO F3	X	X	
PAWO F7S	X	X	X
PAWO F10	X	X	X



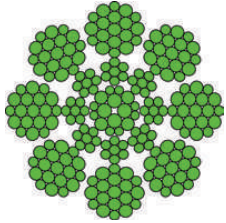
Note

The recommendations stated here are based on a basic overhead machine with a traction sheave and a D/d ratio = 40 using a V-groove and 1:1 reeving.



Certified elevator ropes for traction sheaves
 $\geq 120 \text{ mm}$ & $18,46 \leq D_{id} < 40$

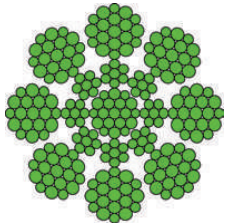
PAWO 819 W



Nominal rope diameter [mm]	Calculated mass [kg/m]	Minimum breaking force [kN]	Part-no.
6	0,153	25,9	741306030
6,5	0,170	31,5	741306532
8	0,270	46,0	741308034
9	0,340	58,8	741309034
10	0,400	70,3	741310034

Construction: 8 x 19 W - IWRC 1770 U sZ
 EC-type examination certificate CA298
 (available on request)

PAWO F VS



Nominal rope diameter [mm]	Calculated mass [kg/m]	Minimum breaking force [kN]	Part-no.
8	0,280	44,6	711208030
9	0,356	56,0	711209030
10	0,436	69,5	711210030

Construction: 8 x 19 W - IWRC 1570 U sZ
 EC-type examination certificate CA298
 (available on request)

- Rope diameter:
 permissible tolerance on the nominal rope diameter
- no load max. 3%
 - with load 10 % of Fmin, min. -1%

PAWO F 1 for Over Speed Governors

Nominal rope diameter [mm]	Construction	Surface	Calculated mass [kg/m]	Minimum breaking force [kN]	Part-no.
6,0	6x19 S - SFC 1770 U sZ	U	0,126	21,0	581306011
6,0	6x19 S - SFC 1770 B sZ	B	0,126	21,0	585306011
6,5	6x19 W - SFC 1770 U sZ	U	0,160	25,8	591306511
6,5	6x19 W - SFC 1770 B sZ	B	0,160	25,8	595306511
8,0	6x19 W - SFC 1770 B sZ	U	0,241	37,4	591308011
6,5	6x19 W - WSC 1770 U sZ	U	0,180	31,0	591306530
8,0	6x19 W - WSC 1770 U sZ	U	0,280	47,0	591308030
6,5	8x19 W - IWRC 1770 U sZ	U	0,170	31,5	741306531



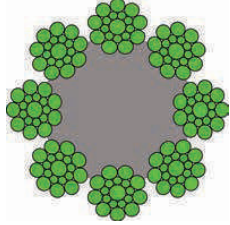
Technical specification: DIN EN 12385

- Material:
- GW-Steel wire to DIN EN 10264
 - bright (U) or galvanized (B)
 - Tensile grade 1770 N/mm²

- Construction:
- Regular lay
 - slightly lubricated
 - Definition of the core: see page 9

Rope diameter: permissible tolerance on the nominal rope diameter, no load -0 + 5%

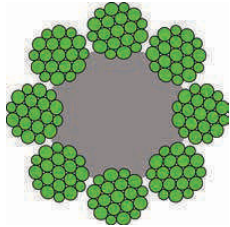
F 819 S-FC



Nominal rope diameter [mm]	Calculated mass [kg/m]	Minimum breaking force [kN]	Part-no.
8	0,215	30,5	621208014
9*	0,270	38,4	621209010
10	0,340	48,2	621210013
11	0,411	58,4	621211013
12	0,488	69,2	621212013
13	0,579	80,7	621213013
14*	0,667	93,0	621214013
15*	0,774	108,0	621215013
16	0,871	121,0	621216013
18*	1,087	154,0	621218013
19	1,218	171,0	621219013

Construction: 8 x 19 S - NFC 1570 U sZ
* No stock material

F 819 W-FC



Nominal rope diameter [mm]	Calculated mass [kg/m]	Minimum breaking force [kN]	Part-no.
8	0,230	32,0	631208012
9*	0,290	40,7	631209012
10	0,350	50,0	631210012
11*	0,420	60,2	631211012
12	0,500	71,3	631212012
13	0,580	82,5	631213012
14*	0,680	97,2	631214012
15*	0,780	110,4	631215012
16*	0,890	126,1	631216012
18*	1,110	157,5	631218012
19*	1,240	176,4	631219012

Construction: 8 x 19 W - NFC 1570 U sZ
* No stock material

Technical specification: DIN EN 12385, ISO 4344

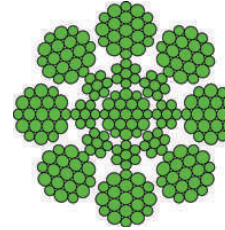
- Material:
- GW-Steel wire, bright
 - Tensile grade 1570 N/mm²
 - Liftquality, DIN EN 10264, ISO 4101

Rope diameter:

permissible tolerance on the nominal rope diameter

- no load
 - max. 6% ≤ 10 mm
 - max. 5% > 10 mm
- with load
 - 10% of F min
 - min. 0% ≤ 10 mm
 - min. 0% > 10 mm

PAWO F 7S

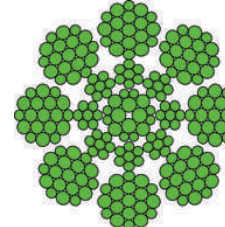


Nominal rope diameter [mm]	Calculated mass [kg/m]	Minimum breaking force [kN]	Part-no.
8	0,280	44,6	711208030
9	0,356	56,0	711209030
10	0,436	69,5	711210030
11	0,523	83,1	711211030
12	0,619	98,9	711212030
13	0,727	116,0	711213030
14*	0,857	134,8	711214030
15*	0,959	152,8	711215030
16**	1,100	176,1	711216030
18*	1,375	218,6	711218030
19*** *	1,544	245,2	711219030
20*	1,704	270,8	711220030

Construction: 8 x 19 W - IWRC 1570 U sZ

- * No stock material
** Can be used as 5/8" also
*** Can be used as 3/4" also

PAWO 819 W



Nominal rope diameter [mm]	Calculated mass [kg/m]	Minimum breaking force [kN]	Part-no.
8	0,270	46,0	741308034
9	0,340	58,8	741309034
10	0,400	70,3	741310034
11	0,510	87,0	741311034
12*	0,630	107,0	741312034
13	0,730	123,0	741313034

Construction: 8 x 19 W - IWRC 1770 U sZ

* No stock material



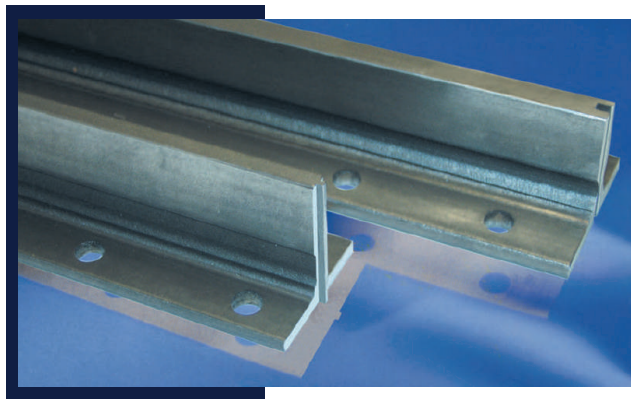
MONTEFERRO is the complete market source for elevator guide rails solutions, in accordance with International and Customer specific standards. MONTEFERRO offers the widest range of cold drawn and machined guide rails, guide rails for high speed application and a complete line of components and accessories to form the integrated hoistway systems.

Guide rails are vital for proper elevator ride comfort and safety. Their development represents a specific and unique product whose manufacturing technology and process results from years of study, research and industry experience.

The high quality and superior performance of MONTEFERRO products are a testament to the company's continuous pursuit of manufacturing excellence

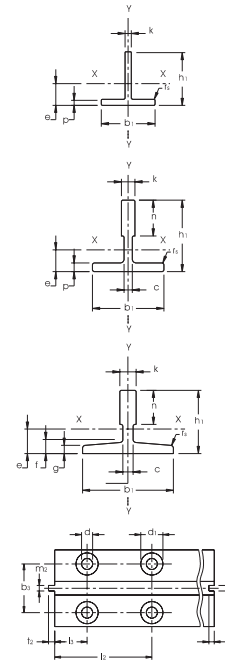
MONTEFERRO introduced cold drawn processing into the guide rail market at the end of the 40's. Through continuous improvements and optimization in co-operation with the rolling mill, today on the market is available a complete range of cold drawn guide rails from 3 Kg/mt to 14t. Kg/m

Standard Cold Drawn Guide Rails



Reference Norm: ISO 7465. Raw material: E 235 B (ISO 630: 1995). Guide rail length: 5,000 mm \pm 2mm. Different length according to Customer's requirements. Different guide rails sections and specifications: according to definition with Customers.

DIMENSIONS

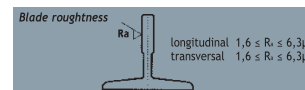


Monteferro Code	ISO Code	b mm	h mm	k mm	n mm
Tolerances		$\pm 0,5$	$\pm 0,2$	$\pm 0,15$	
RT 40	---	40	40	5	
RT 45	T 45/A	45	45	5	
RT 45 M/F	---	45	45	5	
RT 50	T 50/A	50	50	5	
RT 50 M/F	---	50	50	5	
Tolerances		$\pm 1,5$	$\pm 0,1$	$+0,1/0$	$+3/0$
RT 70	T 2-70/A	70	70	8	
RT 80	---	80	80	9	

Tolerances		$\pm 1,5$	$\pm 0,1$	$+0,1/0$	$+3/0$
RF 50	---	50	50	9	35
RF 70	T 1-70/A	70	65	9	34
RF 70,9	---	70	70	9	35
RF 75	T 3-75/A	75	62	10	30

Tolerances		$\pm 1,5$	$\pm 0,1$	$+0,1/0$	$+3/0$
RF 65	---	65	54	7,9	20
RF 82	T 82/A	82,5	68,25	9	25,4
RF 89	T 89/A	89	62	15,88	33,4
RF 90	T 90/A	90	75	16	42

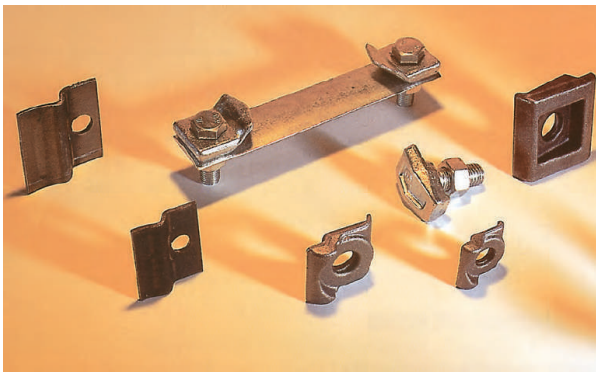
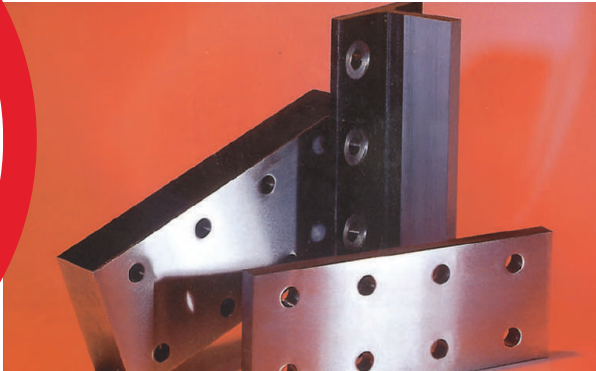
KEY FACTORS



Fishplates are supplied in accordance with International and Customer specific standards. Special application fishplates such as Extra Thick, T-Plates, Minimum Clearance Seismic Plates (in accordance to ASME A1V.1 for earthquake zone requirements) and the Ultra System are supplied to enhance joint performances on high speed application in conjunction with High Quality and Match guide rails. Clips including forged clips, sliding clips and special fastening systems as well as guide rail fixing systems, are supplied according to the various global code and Customer requirements.

Accessories

Fishplates



Clips



SELCOM[®]

a WITTUR brand



SELCOM Lift Door








Selcom is one of the leading manufacturers of components, modules and systems in the elevator industry.

Driven by the purpose of "Advancing the Elevator Industry", Selcom's team of experts work together with global and local partners to always deliver the best solution for any kind of elevator project and build the future of the industry. By knowing everything about customers' challenges and translating this expertise in practical solutions, by investing in technology and innovation, by working with a continuous improvement mindset in all areas of our organization, Selcom makes elevators work.



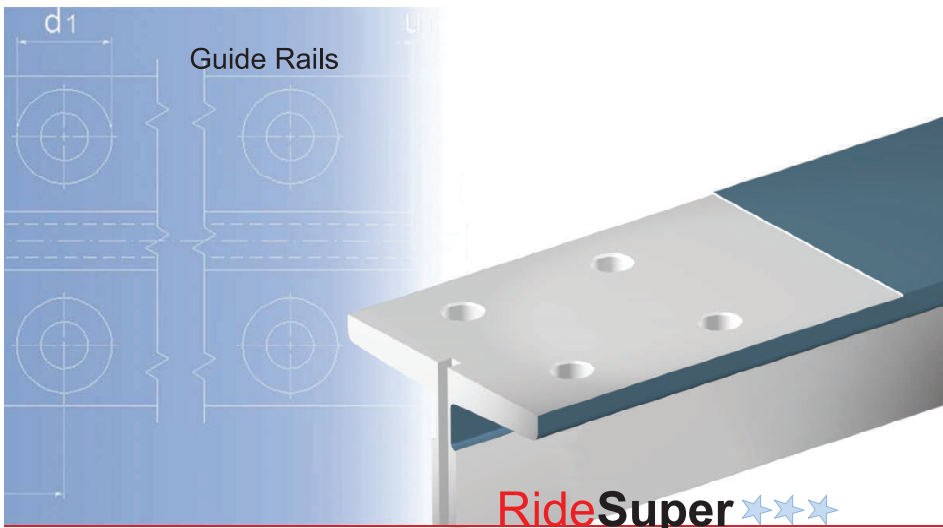
Selcom engages its supplier and strives to create a value delivering supply chain by focusing on sustainable product design and product improvement, making sure that all our partners use recyclable materials, reduce energy consumption, rely on renewable energy sources and materials, and comply with the highest health, environmental, safety and labour standards.

SPARE PART

item	Picture
Drive Door	
Door motor	
Skate door	
Bridge contact	
Door shoes	
Door Roller	
Rope roller	
Door rope	



Savera
Elevator System Solutions

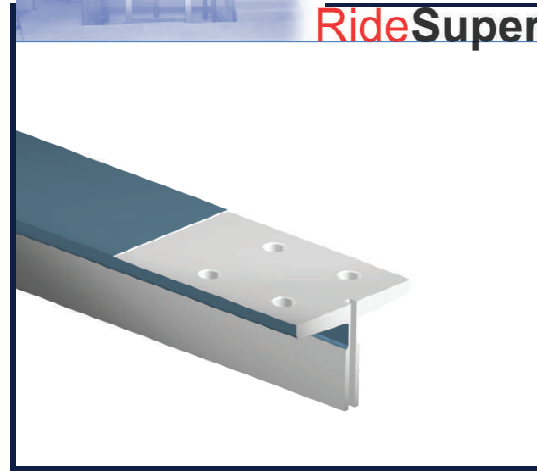


RideSuper ★★★

Standard Savera Guide



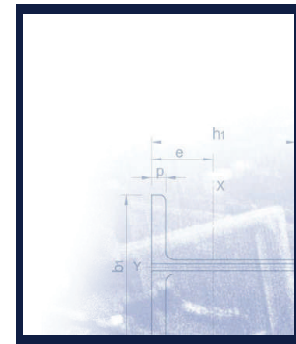
RideSuper ★★★

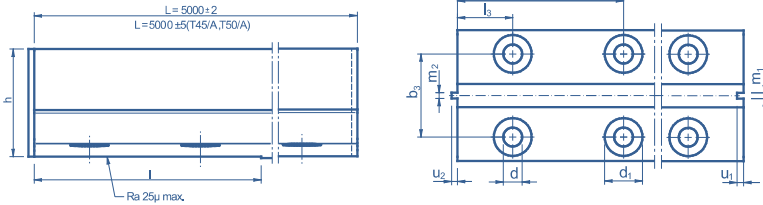


Standard SAVERA Guide

we are capable of reducing certain tolerances established by the ISO 7465 in the manufacture of the **Super Line**, which allows its use for speeds between 0 and 1m/s (cold drawn) and 0 and 1,6 m/s (machined). Moreover, with this line, Savera offers **delivery by contract**, with the last section cut to measure and guide rails packed in bundles of 2, 3 and 5 units. This enables any required height to be obtained and the guides to be sent directly to the job site, avoiding additional packing needs.

We also offer short key - keyway bars of variable lengths.





ISO 7465:2007

Dimensiones (mm)		Dimensions (mm)																										
		$b_1 \pm 1$		$h_1 \pm 0,20$		$k_2 \pm 0,15$						$p \pm 0,50$				r_b		m_1		m_2		$u_1 \pm 0,10$		$u_2 \pm 0,10$		Entersado Straightness		
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Calibradas / Cold drawn	T45/A	45	45			5									5	1	2	1,97	2,5	2	3,5	0,7						
	T50/A	50	50			5									5	1	2	1,97	2,5	2	3,5	0,7						
	T65/A	65	54	·	·	7,9	·	20	5	4	5,8	·	3	2	1,97	2,5	2	3,5	0,7									
Cepilladas / Machined	T70/A	70	65	·	·	9	·	34	6	6	8	·	1,5	3	2,97	3,5	3	2,5	0,5									
	T90/B	90	75	74	156	16	·	42	10	8	10	·	4	6,4	6,37	7,14	6,35	1,75	0,35									

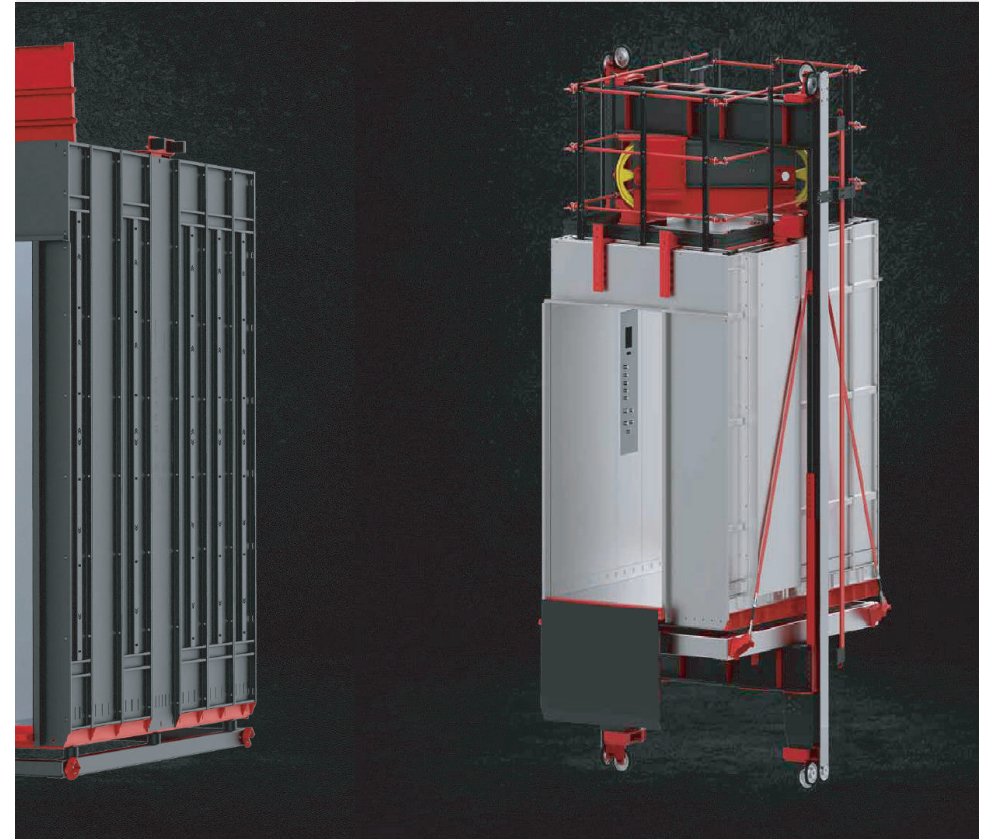


Cabins

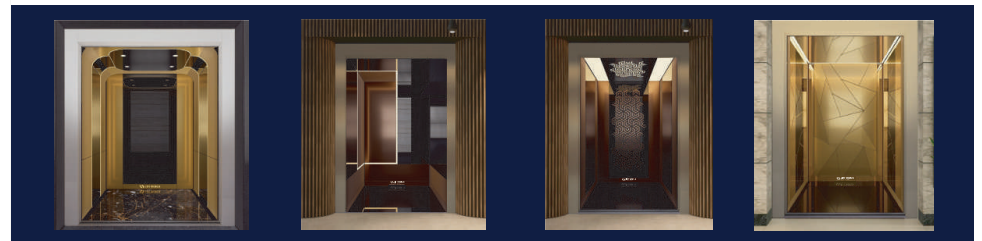


The distinguishing feature of cabins

- Designed without sharp and safe points on all surfaces and points Speed
- Full cutting with laser machine and bending with CNC bending machines
- Using CO₂ welding and electrostatic paint on all surfaces completely



- Using standard and plated bolts and nuts (clamp, washer and chamber)
- Assembly and Complete disassembly of products with special bolts and nuts
- Ability to send assembled or disassembled in wooden pallets (pallets with export standards)





LIFT WORLD

WORLD CO.