



Leader with more than 750,000 lifts worldwide using GMV technology

## MRL Lift GearLess Belt Green Lift

*Up to 10 year  
warranty\**



\* See note on page 3.

## 4 GOOD REASONS TO CHOOSE A GEARLESS BELT

### 1. UP TO 10 YEARS WARRANTY

Be assured of a great GMV experience:

- With more than 750,000 lifts Worldwide using GMV products, we are moving 100 million people every day
- Production units in three continents

### 2. VERY LOW OPERATING COSTS AS A DIRECT RESULT OF THE QUALITY OF THE PRODUCT

GMV offer:

- Up to 10 years warranty
- High specification technology
- Rational design and structural simplicity

### 3. TECHNICAL ADVANTAGES

- Minimal shaft space required
- No loads on building structures
- We don't use permanent magnets as they can have the following negative impacts:
  - limited availability of raw material (the Earth's rare neodymium)
  - continuously increasing costs
  - high pollution potential
  - they have been declared dangerous to health whilst in operation
  - they have been linked to Liver and Lung problems
  - they may interfere with Passengers who have pacemakers

### 4. HIGH SPECIFICATION AND RELIABLE TECHNOLOGY

- Use of highly efficient three-phase asynchronous standard motors:
  - already complies with IEC 60034/30 energy saving standard
  - IE2 classification with frequency changer
  - widely availability and easy to dispose of, with low maintenance costs
  - the most used Worldwide

## COMPARISON WITH THE OTHER MRL GEARLESS TRACTION LIFTS

	OUR GEARLESS BELT	MRL GEARLESS TRACTION LIFTS OF OUR COMPETITORS
<b>Warranty</b>	<b>Up to 10 years warranty</b> GMV offers up to 10 years warranty as testimony to the quality of its products	<b>Low warranty</b> 2 years warranty is granted as a standard
<b>Economy and Quality</b>	<b>Very low maintenance costs</b> due to the 10 years warranty and high standard of technology	<b>High maintenance costs</b>
<b>Ecology</b>	<b>No permanent magnets</b>	<b>Pollution problems</b> Environmental impacts due to the production and to the disposal of the permanent magnets (very expensive)
<b>Safety</b>	<b>Safety gear releasing</b> Device to release the safety gears is included	<b>Safety gear releasing</b> Device to release the safety gears (costly optional extra)

# ASK THE LIFT COMPANY YOU TRUST FOR A GEARLESS BELT LIFT

*Up to 10 year  
warranty\**

Three-phase  
asynchronous  
motor

Traction ropes  
8mm diameter

**GREEN**

## A GREEN SOLUTION

### NOT ONLY:

- Minimal energy consumed in stand-by
- No permanent magnets, which:
  - have a limited life
  - are hard to dispose of
  - are hazardous to health

### BUT ALSO:

- Low operational costs due to the warranty (available up to 10 years)
- High standard of technology

The load does not rest  
on the building structure  
as the weight is discharged  
on the shaft pit

For buildings below 6 floors, we recommend the other leading GMV model of the Green Lift family; the MRL Fluitronic lift, which also offers the same design features.

\* Option to extend your warranty up to 10 year. For further information, please, call the phone number on the backside.

### TMC Lift Car - Examples



#### Example 1

**Walls:** Faced – 001 Beige

**Structure and corners:** Pre-painted sheet metal (Polimod) Dark Grey

**Ceiling:** Ceiling with irregular holes (neon)

**Floor:** PVC – 501 Light grey

**Mirror:** Half wall



#### Example 2

**Walls:** Faced – 006 Cherry wood

**Structure and corners:** Pre-painted sheet metal (Polimod) Dark Grey

**Ceiling:** Ceiling with led spot lights

**Floor:** PVC-501 Light grey

**Mirror:** Full wall



#### Example 3

**Walls:** Faced – 005 White

**Structure and corners:** Scotch brite stainless steel

**Ceiling:** Ceiling with led spot lights

**Floor:** PVC – 502 Dark grey

**Mirror:** Full wall



#### Example 4

**Walls:** Pre-painted sheet metal (Polimod) – 204 Light grey

**Structure and corners:** Pre-painted sheet metal (Polimod) Dark grey

**Ceiling:** Neon with led light pipe

**Floor:** Coconut – 602 Red

**Mirror:** Half wall



#### Example 5

**Walls:** Plastic laminated – 103 Whitened oak

**Structure and corners:** Scotch Brite stainless steel

**Ceiling:** Ceiling with led spot lights

**Floor:** PVC – 502 Dark grey

**Mirror:** Full wall



#### Example 6

**Walls:** Plastic laminated – 102 Wenge

**Structure and corners:** Pre-painted sheet metal (Polimod) Dark Grey

**Ceiling:** Ceiling with led spot lights

**Floor:** Coconut – 601 Natural

**Mirror:** Full wall





#### Example 7

**Walls:** Plastic laminated – 112 Yellow ochre

**Structure and corners:** Pre-painted sheet metal (Polimod) Dark Grey

**Ceiling:** Neon with led light pipe

**Floor:** PVC – 502 Dark grey

**Mirror:** Full wall



#### Example 8

**Walls:** Plastic laminated – 110 Water green

**Structure and corners:** Pre-painted sheet metal (Polimod) Dark Grey

**Ceiling:** Ceiling with led spot lights

**Floor:** Coconut – 601 Natural

**Without mirror**



#### Example 9

**Walls:** Plastic laminated – 113 Blue

**Structure and corners:** Pre-painted sheet metal (Polimod) Dark Grey

**Ceiling:** Ceiling with led spot lights

**Floor:** Coconut – 602 Red

**Mirror:** Full wall



#### Example 10

**Walls:** Plastic laminated

108 Dark cherry wood

**Structure and corners:** Scotch Brite stainless steel

**Ceiling:** Ceiling with irregular holes (neon)

**Floor:** PVC – 502 Dark grey

**Mirror:** Full wall



#### Example 11

**Walls:** Plastic laminated – 109 Pearl aluminium

**Structure and corners:** Scotch Brite stainless steel

**Ceiling:** Neon with led light pipe

**Floor:** Coconut – 602 Red

**Glass wall panels**



#### Example 12

**Walls:** Scotch Brite stainless steel

**Structure and corners:** Scotch Brite stainless steel

**Ceiling:** Ceiling with led spot lights

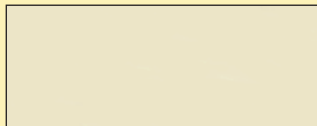
**Floor:** PVC – 501 Light grey

**Mirror:** Full wall

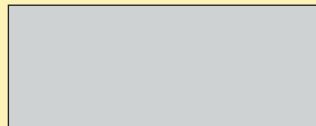
## Colours and Materials

### Car Panels

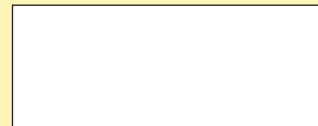
#### Faced



**001** Beige

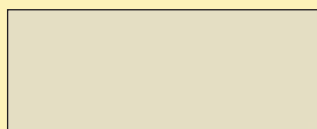


**004** Light grey

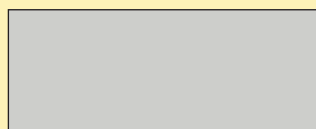


**005** White

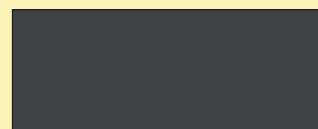
#### Pre-painted sheet metal (Polimod)



**201** Beige



**204** Light grey

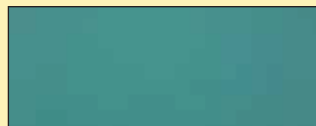


**205** Dark grey

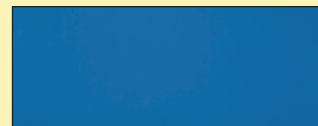
#### Plastic laminated



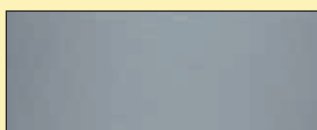
**112** Yellow ochre



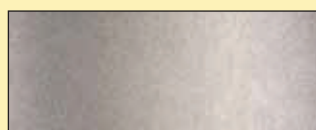
**110** Water green



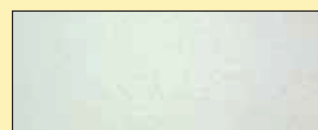
**113** Blue



**109** Pearl aluminium

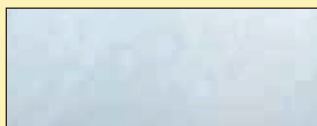


**106** Stone silver frost finish



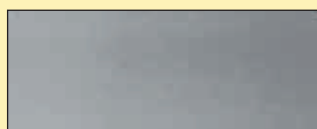
**111** White grey stone

#### Glass



**801** Glass

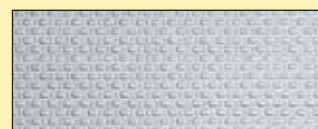
#### Stainless steel



**301** Scotch brite\*



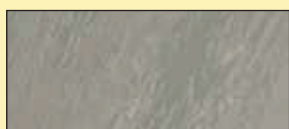
**302** Checkers



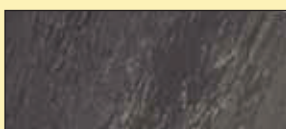
**303** Linen

### Floor coatings

#### PVC

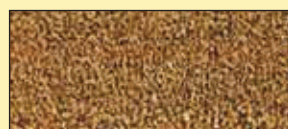


**501** Light grey



**502** Dark grey

#### COCONUT



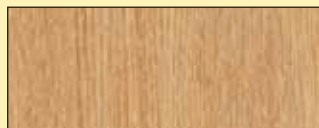
**601** Natural coconut



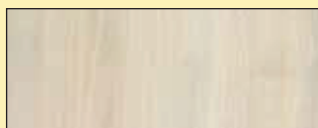
**602** Red coconut



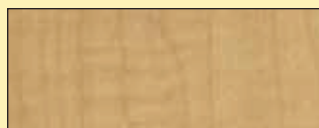
**006** Cherry wood



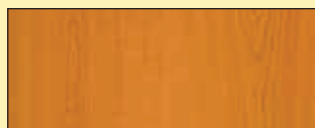
**007** Oak



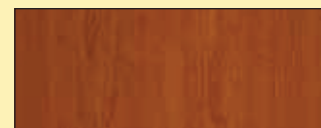
**103** Whitened oak



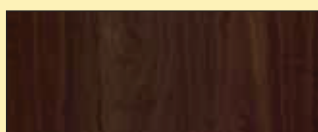
**101** Birch



**107** Light cherry wood



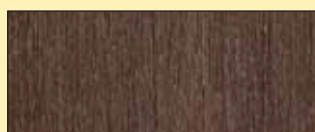
**108** Dark cherry wood



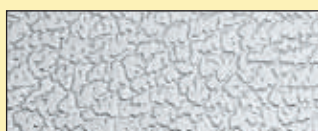
**102** Wenge



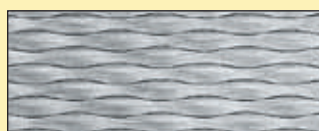
**104** Ebony



**105** Whitened walnut



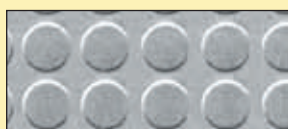
**304** Leather



**305** 5WL

\*Available in AISI 430 or AISI 304

**DOTTED RUBBER**



**701** Grey




**702** Black


Colours & Materials

Car structure and corners

Pre-painted sheet metal  
(Polimod)

  
205 Dark grey

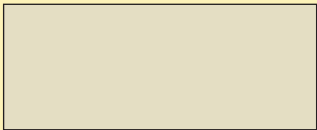
Stainless steel

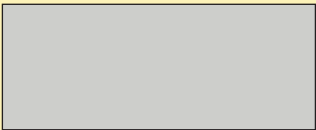
  
301 Scotch brite\*

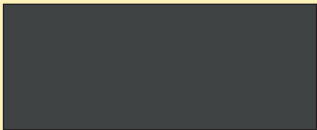
\*Available in AISI 430 or AISI 304

Landing doors and car door panels

Pre-painted sheet metal  
(Polimod)

  
201 Beige

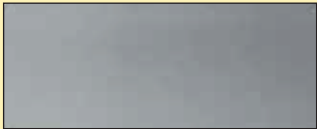
  
204 Light grey


  
205 Dark grey


Glass


  
801 Glass


Stainless steel

  
301 Scotch brite\*

  
302 Checkers

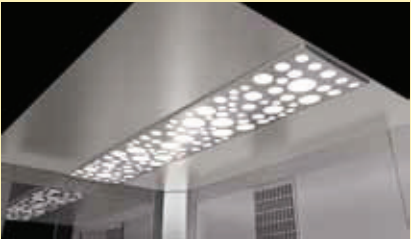
  
303 Linen

  
304 Leather

  
305 5WL

\*Available in AISI 430 or AISI 304

Ceilings

  
Ceiling with irregular holes  
(neon) Standard delivery

  
Ceiling with led spot lights

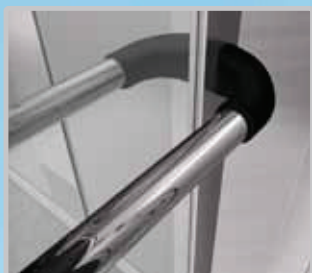
  
Neon with led light pipe





### GLASS WALL PANELS

Panoramic glass walls with handrail available



### HANDRAIL

Hand rail with epoxy painted alloy alluminium junctions.  
Chromed steel hand rail, 30 mm diameter, complying with EN 81.70 lift rules.



### TMC LIFT CAR (tailor made)

A tailor made car, with solid but lightweight structure, providing the ideal product for low energy consumption lifts. The simple assembly system allows easy insertion of the car panels, enabling a quick and economic restyling.



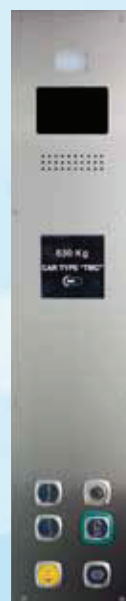
### LANDING DOORS PUSH-BUTTON



### DOORS

Easy assembly and adjustment of landing doors.  
Doors manufactured in Pre-painted sheet metal (Polimod), Scotch Brite stainless steel or anti-vandal stainless steel  
Very quiet running due to a ball bearing roller on zinc-plated guides to avoid paint residues.  
Fire-rated landing doors, tested in compliance with EN 81 –58- class E 120 – EI 30 – EI 60 – EI 90 – EI 90 – EI 120  
Smaller door sills available

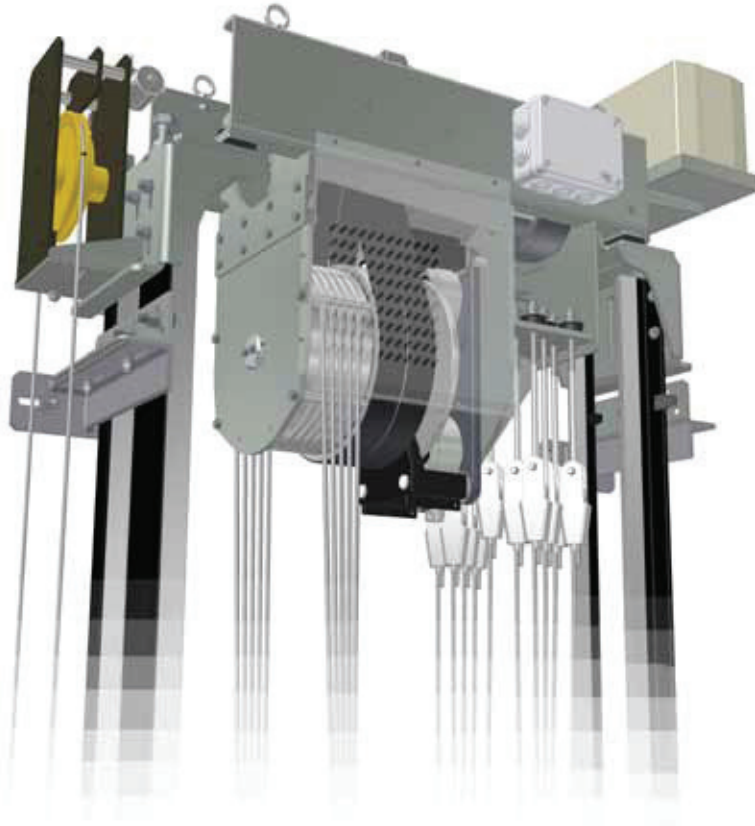
### CAR PUSH-BUTTON IN COMPLIANCE WITH EN 81.70 LIFT RULES



### CAR PUSH-BUTTON



## MRL Gearless Belt



**MACHINE POSITION ABOVE OVERHEAD, DIRECTLY ABOVE THE GUIDE RAILS, WITH HIGH EFFICIENCY THREE PHASE ASYNCHRONOUS MOTORS AS STANDARD:**

- already complies with the IEC 600004/30 standard on energy saving
- IE2 classification with frequency changer
- easy to locate, low maintenance and can easily be disposed of
- a Worldwide favourite

**THE BELT IS AT THE RIGHT PLACE!**

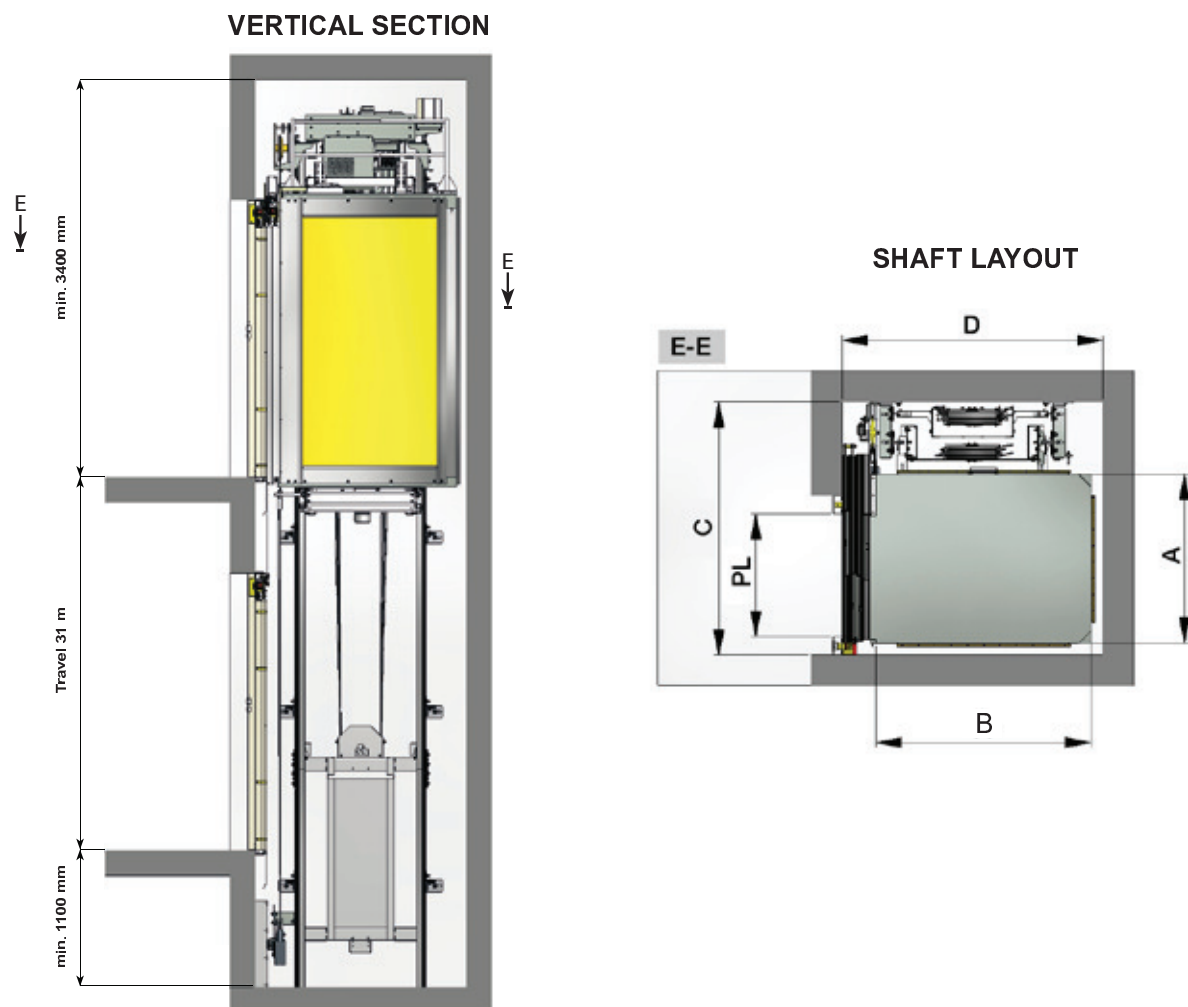
The trapezoidal “poliV®” type belts are only used for the transmission inside the motor, allowing:

- extremely quiet travel
- low vibration levels

**ADVANTAGES**

- high travel comfort and precise arrival at each floor
- easily installed and set
- readily available spare parts
- highly efficient with low energy consumption

# Green Lift GearLess Belt MRL



## GEARLESS BELT MRL

Payload [kg]	N° passengers	Nominal current [A]	Output power [kW]	Entrances [No.]	Car dimensions [mm]		Clear door opening [mm]	Min. shaft dimensions with doors opening at side [mm]	
					A	B	PL	C	D
450	6	8.7	2.8	1	950	1300	800/850/900	1500/1500/1550	1650
450	6			1	1000	1250	800/850/900	1500/1500/1550	1600
480	6	8.9	3	2 opposite	950	1300	800/850/900	1500/1500/1550	1840
480	6			2 opposite	1000	1250	800/850/900	1500/1500/1550	1790
630	8	9.5	4	1	1100	1400	800/900	1600	1750
630	8			2 opposite	1100	1400	800/900	1600	1940
900	12	15.5	6.5	1	1400	1500	900/1000	1950	1900
900	12			2 opposite	1400	1500	900/1000	1950	2040
1000	13	15.5	6.5	1	1100	2110	800/900	1650	2450
1000	13			2 opposite	1100	2110	800/900	1650	2650

Speed 1 m/s – Travel 31 m

Up to 11 stops and 12 services

Motive force (upstream the inverter) 230/400 Volt a.c. – 50 – 60 Hz

Controller cabinet is placed at last floor and it has the following measurements: 2210 mm height – 440 mm wide – 265 mm depth

Controller cabinet finishes: stainless steel scotch brite or plastic laminate (similar in stainless steel)

Attention the measurements given in the table are indicative. For any feasibility contact our technical department