



 **moviroll**
 **movicart**

ROLL PUSHERS & CART MOVERS



moviroll movicart

More productivity, higher safety level

Moviroll roll pushers and Movicart cart movers improve the productivity and increase the safety level as they allow the operator to effortlessly and safely maneuver both large and small cylindrical loads as well as carts. Moviroll and Movicart reduce risks for the operator according to the Technical Standards ISO 11228 “Ergonomics Manual handling”.

They are ideal to move paper and tissue rolls, wire and cable reels and drums as well as vehicles and carts, but they are also used to move loads in several other industrial applications.

A wide range of pneumatically and battery operated models plus a variety of optionals and accessories are available, all of them designed, manufactured and assembled on site at Renova.

For this reason we are able to quickly work on customized projects at competitive prices.

Send us your application requirements and we will work with you to find the model that suits your needs.

Click on the “play” icons in this catalog and see demonstration videos!



A person wearing a grey long-sleeved shirt, dark cargo pants with orange accents, and grey sneakers is operating a black battery-powered pallet jack. The jack is moving a large, light-colored roll of material. The background is a simple, light-colored wall and floor.

BATTERY DRIVEN MODELS

LITHIUM BATTERY

We have always equipped our battery driven models with the highest quality lithium batteries. By this, we have been able to provide the highest performance systems with the longest running time respecting the environment and safeguarding the health of the operator. We offer different designs and voltage according to the Moviroll or Movicart model.



LONG LASTING CHARGE

60-120 loads handling with only one battery charge (3-5 working shifts)

RAPID BATTERY RECHARGE

max 4 hours required for full recharge

LONG LIFE BATTERY

about 500 recharges

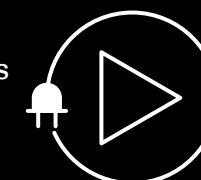
2 YEAR BATTERY WARRANTY



Battery charger provided

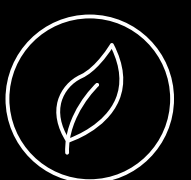
PLUG & PLAY

Quick battery changes in less than 10 seconds.



ECO-FRIENDLY

Completely free of any polluting substance, safe for the operator and the environment



BATTERY ROLL PUSHERS

Battery roll pushers offer the advantage of free movement without the constraints of the pneumatic connections or electrical cables.

They are equipped with 24 V DC IP 44 or 48 V DC IP 44 brushless motor powered by high performance and plug&play 24 V or 48 V lithium battery.

VARIABLE SPEED

to suit any operator needs



FORWARD AND REVERS GEAR

two separated and intuitive buttons shielded from dirt, dust and water



CHARGER STATUS INDICATOR

easily see when the battery needs to be recharged



ON/OFF SWITCH

it preserves the battery charge without the need of removing the battery from the system

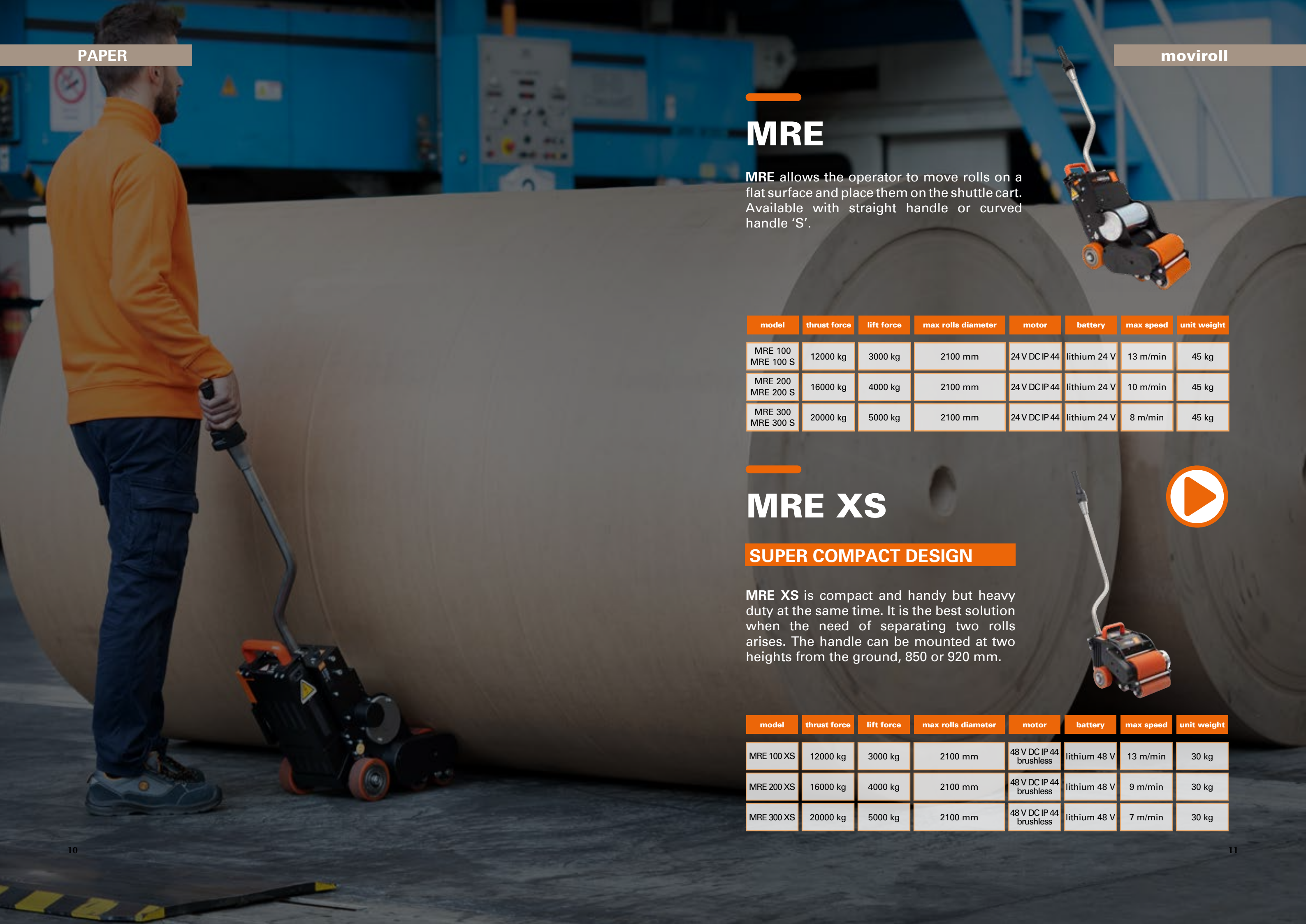


CUT FRAMES

for an easy removal of the roller and roller bearings

OVERSIZED WHEELS

to easily overcome any obstacles along the way



MRE

MRE allows the operator to move rolls on a flat surface and place them on the shuttle cart. Available with straight handle or curved handle 'S'.



model	thrust force	lift force	max rolls diameter	motor	battery	max speed	unit weight
MRE 100 MRE 100 S	12000 kg	3000 kg	2100 mm	24 V DC IP 44	lithium 24 V	13 m/min	45 kg
MRE 200 MRE 200 S	16000 kg	4000 kg	2100 mm	24 V DC IP 44	lithium 24 V	10 m/min	45 kg
MRE 300 MRE 300 S	20000 kg	5000 kg	2100 mm	24 V DC IP 44	lithium 24 V	8 m/min	45 kg

MRE XS

SUPER COMPACT DESIGN

MRE XS is compact and handy but heavy duty at the same time. It is the best solution when the need of separating two rolls arises. The handle can be mounted at two heights from the ground, 850 or 920 mm.



model	thrust force	lift force	max rolls diameter	motor	battery	max speed	unit weight
MRE 100 XS	12000 kg	3000 kg	2100 mm	48 V DC IP 44 brushless	lithium 48 V	13 m/min	30 kg
MRE 200 XS	16000 kg	4000 kg	2100 mm	48 V DC IP 44 brushless	lithium 48 V	9 m/min	30 kg
MRE 300 XS	20000 kg	5000 kg	2100 mm	48 V DC IP 44 brushless	lithium 48 V	7 m/min	30 kg

MRE LPT

MRE LPT is equipped with an OVERSIZED ROLLER especially designed to handle soft material rolls and to prevent roll damages.



model	thrust force	lift force	max rolls diameter	motor	battery	max speed	unit weight
MRE 100 LPT	12000 kg	3000 kg	4500 mm	24 V DC IP 44	lithium 24 V	13 m/min	36 kg
MRE 200 LPT	16000 kg	4000 kg	4500 mm	24 V DC IP 44	lithium 24 V	9,3 m/min	36 kg
MRE 300 LPT	20000 kg	5000 kg	4500 mm	24 V DC IP 44	lithium 24 V	7,5 m/min	36 kg

MRE XS LPT

SUPER COMPACT DESIGN

MRE XS LPT is compact and handy but heavy duty at the same time. The handle can be mounted at two heights from the ground, 850 or 920 mm. It is equipped with OVERSIZED ROLLER to handle soft material rolls and to prevent roll damages.



model	thrust force	lift force	max rolls diameter	motor	battery	max speed	unit weight
MRE 100 XS LPT	12000 kg	3000 kg	2100 mm	48 V DC IP 44 brushless	lithium 48 V	13 m/min	30 kg
MRE 200 XS LPT	16000 kg	4000 kg	2100 mm	48 V DC IP 44 brushless	lithium 48 V	9 m/min	30 kg
MRE 300 XS LPT	20000 kg	5000 kg	2100 mm	48 V DC IP 44 brushless	lithium 48 V	7 m/min	30 kg

MRE L

MRE L is equipped with a TILTING HANDLE: when the working space is limited, the operator can work alongside the load needing only to turn the handle and “pull” the load instead of thrusting it.

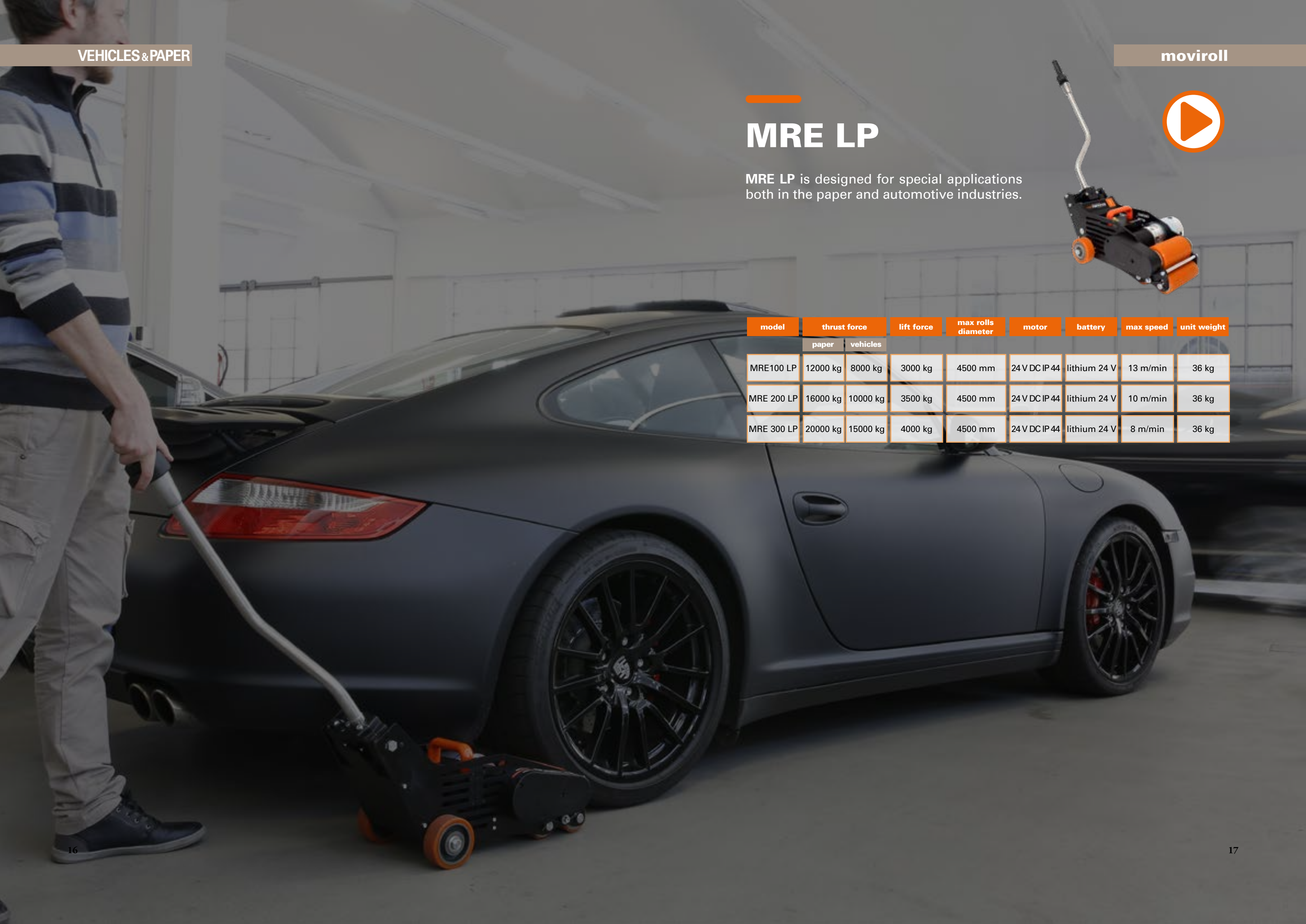
model	thrust force	max rolls diameter	motor	battery	max speed	unit weight
MRE 100 L	15000 kg	4500 mm	24 V DC IP 44	lithium 24 V	5 m/min	36 kg
MRE 200 L	20000 kg	4500 mm	24 V DC IP 44	lithium 24 V	4 m/min	36 kg
MRE 300 L	30000 kg	4500 mm	24 V DC IP 44	lithium 24 V	2,5 m/min	36 kg
MRE 500 L	50000 kg	6000 mm	24 V DC IP 44	lithium 24 V	3,5 m/min	50 kg

MRE XS L

SUPER COMPACT DESIGN

MRE XS L is compact and handy but heavy duty at the same time. The handle can be mounted at two heights from the ground, 850 or 920 mm.

model	thrust force	max rolls diameter	motor	battery	max speed	unit weight
MRE 100 XS L	30000 kg	2900 mm	48 V DC IP 44 brushless	lithium 48 V	8 m/min	30 kg
MRE 200 XS L	35000 kg	2900 mm	48 V DC IP 44 brushless	lithium 48 V	6 m/min	30 kg
MRE 300 XS L	40000 kg	2900 mm	48 V DC IP 44 brushless	lithium 48 V	4 m/min	30 kg



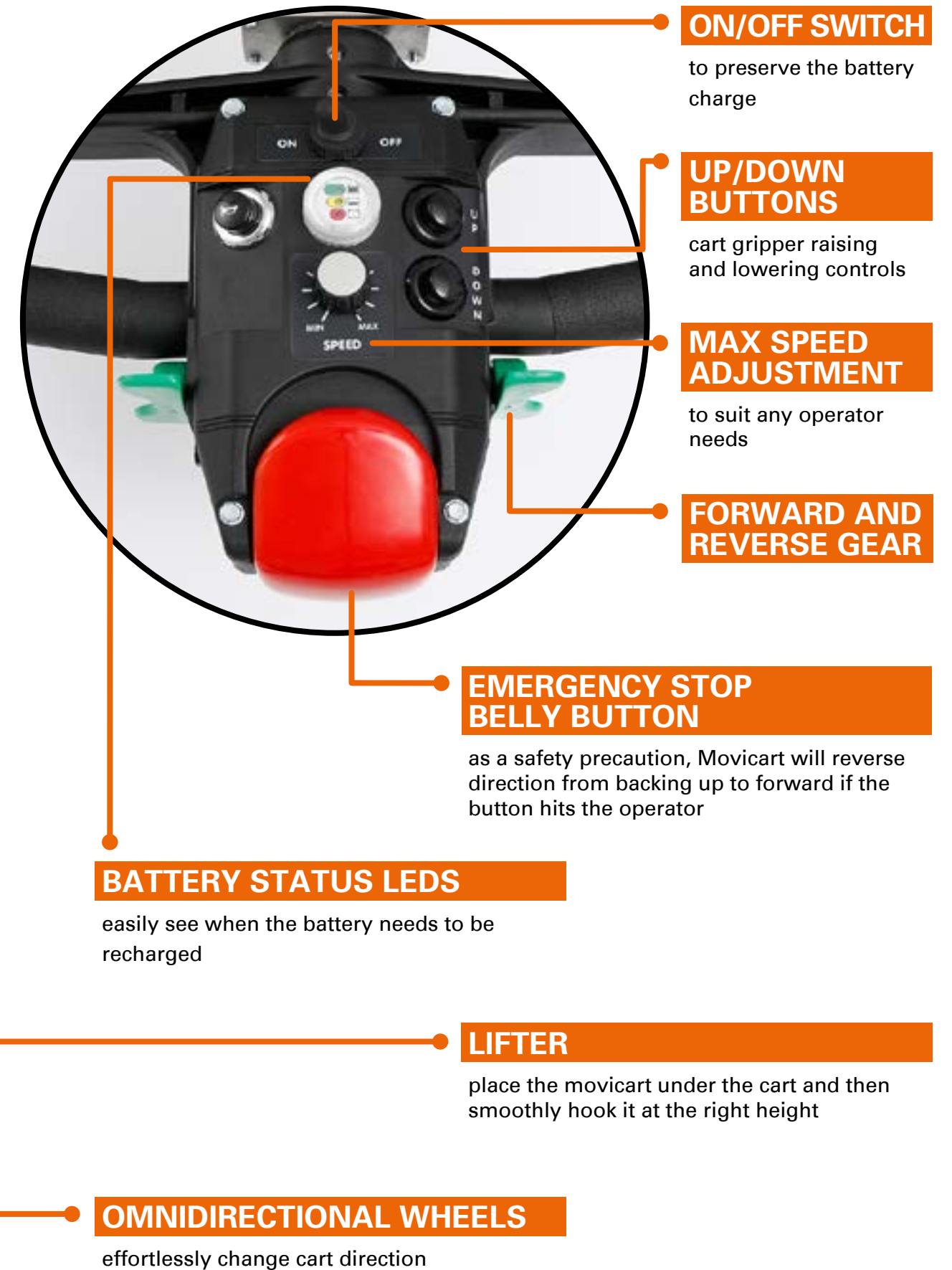
MRE LP

MRE LP is designed for special applications both in the paper and automotive industries.

model	thrust force		lift force	max rolls diameter	motor	battery	max speed	unit weight
	paper	vehicles						
MRE100 LP	12000 kg	8000 kg	3000 kg	4500 mm	24 V DC IP 44	lithium 24 V	13 m/min	36 kg
MRE 200 LP	16000 kg	10000 kg	3500 kg	4500 mm	24 V DC IP 44	lithium 24 V	10 m/min	36 kg
MRE 300 LP	20000 kg	15000 kg	4000 kg	4500 mm	24 V DC IP 44	lithium 24 V	8 m/min	36 kg

BATTERY CART MOVERS

Movicart is a compact and handy system designed to safely push or pull your existing carts (both on wheels or rails) without additional effort from the operator, quickly engaging up to 5000 kg thrust force.



MCE



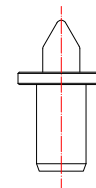
MOVICART is designed to effortlessly move any cart, on wheels or on rails. Thanks to its various configurations, it can move carts of different sizes, heights and weights.

model	thrust force	lift force	motor	battery	max speed	unit weight
MCE 400	400 kg	25 kg	24 V DC IP 44 brushless	lithium 24 V	30 m/min	38 kg
MCE 400 E	5000 kg	150 kg	24 V DC IP 44 brushless	lithium 24 V	30 m/min	38 kg

CONFIGURATIONS

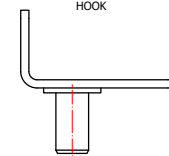
CART GRIPPERS

MCEP0102



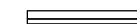
A

HOOK



B

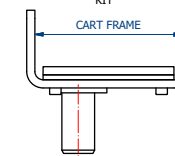
RUBBER PLATE



C

KIT

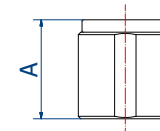
CART FRAME



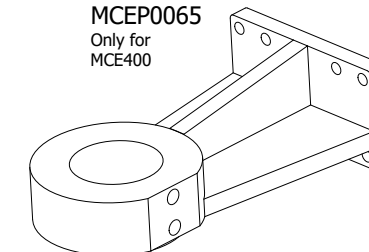
cart frame (mm)	A	B	C
30 - 50	MCEP0068	MCEP0077	MCEP0087
50 - 80	MCEP0070	MCEP0080	MCEP0088
80 - 120	MCEP0072	MCEP0083	MCEP0089
120 - 150	MCEP0074	MCEP0086	MCEP0090

BUSHINGS

MCEP0016



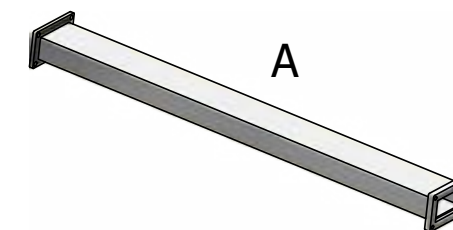
MCEP0065
Only for
MCE400



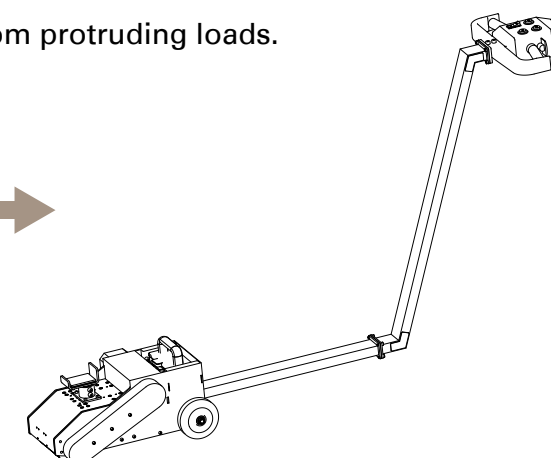
A (mm)	40	75	110	145	180	215
code	MCEP0096	MCEP0097	MCEP0098	MCEP0099	MCEP0100	MCEP0101

HANDLE EXTENSION

Handle extension available to space out from protruding loads.



A



A (mm)	610
code	MCEP0104

A large industrial cable reel, made of wood and metal, is the central focus. It has several circular ports and the text "Prysmian Group" and "Prysmian Braker" visible on its side. A long, coiled orange pneumatic hose is connected to a small black pneumatic tool on the floor. In the background, other similar reels are stacked on a wooden pallet. The scene is set in a large industrial warehouse with a high ceiling and concrete floor.

PNEUMATIC DRIVEN MODELS

PNEUMATIC ROLL PUSHERS

Pneumatic roll pushers use the power of a high quality pneumatic gear motor powered by pressurized and lubricated air at 6 bar. Pneumatic models are designed to offer the highest performances and to keep them unchanged over time.

All pneumatic models are available with straight handle or curved handle "S".

SAFE ACTIVATION OF ROLLERS

applied only at the load

POWERFUL MOTOR

STURDY DESIGN

compact, handy and heavy duty

MR
MR H

MR

MR is the standard pneumatic model for any type of paper reel. A proper maintenance of the engine with lubricating oil guarantees its correct conservation and performances over time.

MR H

Twin to the standard version, MR H engine doesn't need lubricating oil. This means sustaining the same performances with inferior consumptions and maintenance costs.



model	thrust force		lift force	max rolls diameter	max speed	air pressure	air consumption	unit weight
	paper	vehicles						
MR100 MR100 S	10000 kg	15000 kg	2500 kg	2600 mm	24 m/min	6-7 bar	28 l/sec	24 kg
MR200 MR200 S	20000 kg	20000 kg	5000 kg	2600 mm	20 m/min	6-7 bar	40 l/sec	24 kg
MR100 H MR100 SH	10000 kg	15000 kg	2500 kg	2600 mm	20 m/min	6-7 bar	22 l/sec	20 kg
MR200 H MR200 SH	20000 kg	20000 kg	5000 kg	2600 mm	18 m/min	6-7 bar	34 l/sec	21,5 kg

MR L



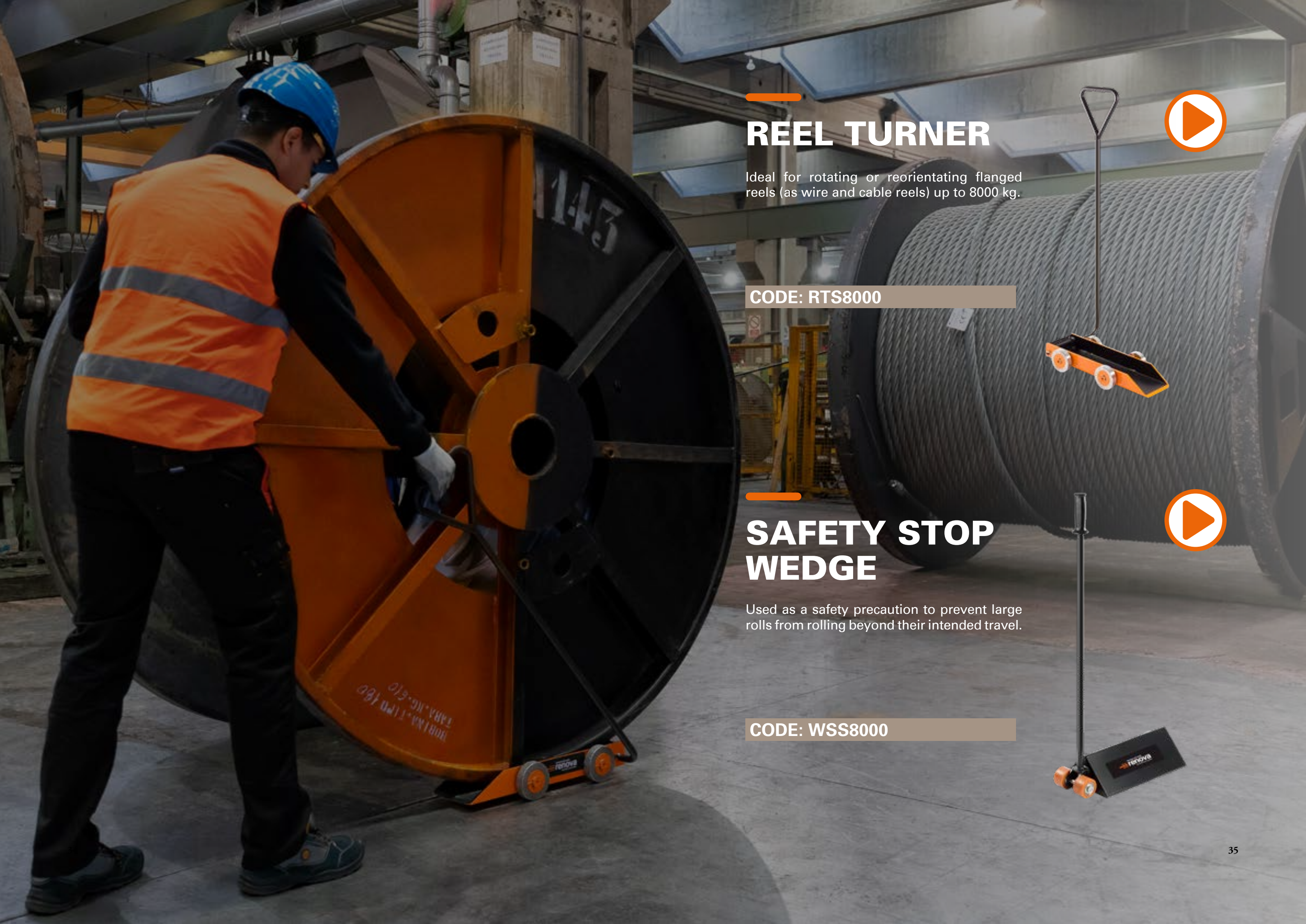
MR L is dedicated to the wire & cable industry. The engine has the same power as MR, but it's been designed with reduced and controlled speed to ensure the operator safety in handling even the largest and heaviest drums.

model	thrust force	max rolls diameter	max speed	air pressure	air consumption	unit weight
MR100 L	20000 kg	2600 mm	15 m/min	6-7 bar	28 l/sec	24 kg
MR100 SL	20000 kg	2600 mm	15 m/min	6-7 bar	28 l/sec	24 kg
MR200 L	30000 kg	3100 mm	13 m/min	6-7 bar	40 l/sec	24 kg
MR200 SL	30000 kg	3100 mm	13 m/min	6-7 bar	40 l/sec	24 kg



The background image shows a large, orange-painted industrial wheel, possibly a part of a ship's hull or a large storage drum. A black metal support stand with two orange wheels is positioned against the wheel. A black rectangular plate with the 'renova' logo is placed on the ground next to the stand. The text 'OPTIONALS AND ACCESSORIES' is overlaid in white, bold, sans-serif font. A small orange horizontal line is positioned above the text.

OPTIONALS AND ACCESSORIES



REEL TURNER

Ideal for rotating or reorientating flanged reels (as wire and cable reels) up to 8000 kg.

CODE: RTS8000



SAFETY STOP WEDGE

Used as a safety precaution to prevent large rolls from rolling beyond their intended travel.

CODE: WSS8000



ROTATING PLATE

Allows the operator to safely rotate 360° cylindrical loads without any effort.

model	load capacity	rotation	unit weight	unit dimensions
PRT7000	7000 kg	360°	46 kg	700 x 680 mm
PRT2000	2000 kg	360°	35 kg	400 x 380 mm

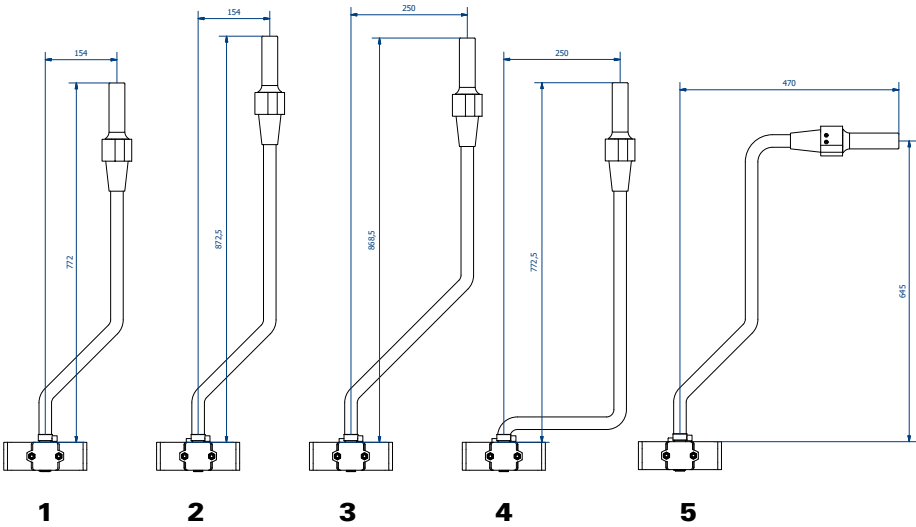
PLATE

Designed to push reels on shuttle cart into the rollstand area. It can be easily added to the Moviroll MRE only.



HANDLES

A wide range of different handles are available for all battery driven roll pushers.



AIR SUPPLY KIT

Only for pneumatic roll pushers.
It is inclusive of:

- spiral pipe
- lubricator filter
- pipe fitting



CODE: MVRK001



PRODUCT SELECTION

QUESTIONNAIRE

 Please fill out the questionnaire, take a picture and send it via email to info@renova-srl.com

CUSTOMER

complete name

position

company

plant

country

tel

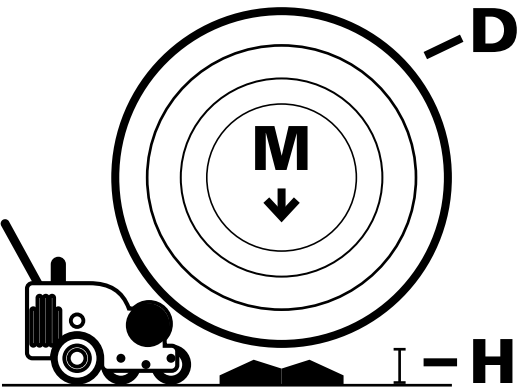
email

model	quantity
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☐ movirol MRE
battery roll pusher

☐ movirol MR
pneumatic roll pusher

PLEASE PROVIDE THE FOLLOWING INFORMATION



M	roll weight				
min.	kg	max.	kg		
D	roll diameter				
min.	mm	max.	mm		
H	shuttle cart height				
	mm				

roll material

- ☐ paper
☐ tissue
☐ wire & cable
☐ other
please specify

voltage for battery charger

- ☐ 110 V (3-pin plug)
☐ 220 V (schuko plug)

QUESTIONNAIRE

 Please fill out the questionnaire, take a picture and send it via email to info@renova-srl.com

CUSTOMER

complete name

position

company

plant

country

tel

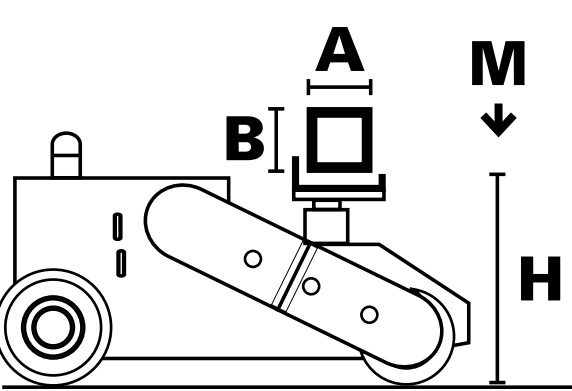
email

model	quantity
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☐ movicart MCE 400
battery cart mover

☐ movicart MCE 400 E
battery cart mover

PLEASE PROVIDE THE FOLLOWING INFORMATION



A	cart frame				
B	cart frame				
	mm		mm		
H	cart frame height from floor				
min.	mm				
M	cart weight				
min.	kg	max.	kg		

binding condition for a proper use of movicart

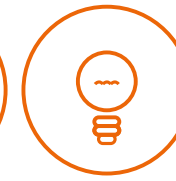
- ☐ absence of step on the floor
☐ cart equipped with 2 fixed wheels and 2 pivoting wheels

voltage for battery charger

- ☐ 110 V (3-pin plug)
☐ 220 V (schuko plug)



MADE IN ITALY
Our products are 100% designed and made in Italy



INNOVATION

We provide solutions that increase the productivity and the safety level while reducing maintenance costs and procedures



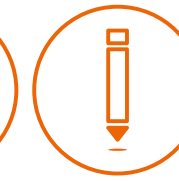
SUPPORT

Our staff is always available to answer your questions also in the after sales phase



QUALITY

All Renova's products are managed by TUV ISO 9001



CUSTOM PROJECTS

Project large or small, we work with you to provide the solution that fits



SUSTAINABILITY

Sustainable products, sustainable company. Renova has joined Erion



renova
WE NEVER LOSE CONTROL

