

 **renova**  
WE NEVER LOSE CONTROL



 **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!





# 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

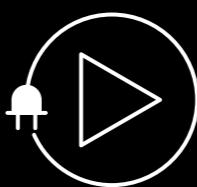
about 500 recharges

## 2 YEAR BATTERY WARRANTY



## 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.



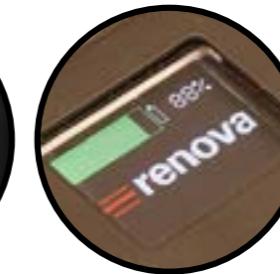
## VARIABLE SPEED

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	24V DC IP 44	lithium 24 V	13 m/min	45 kg
MRE 200 MRE 200 S	16000 kg	4000 kg	2100 mm	24V DC IP 44	lithium 24 V	10 m/min	45 kg
MRE 300 MRE 300 S	20000 kg	5000 kg	2100 mm	24V 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	48V DC IP 44 brushless	lithium 48 V	13 m/min	30 kg
MRE 200 XS	16000 kg	4000 kg	2100 mm	48V DC IP 44 brushless	lithium 48 V	9 m/min	30 kg
MRE 300 XS	20000 kg	5000 kg	2100 mm	48V 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	24V DC IP 44	lithium 24 V	13 m/min	36 kg
MRE 200 LPT	16000 kg	4000 kg	4500 mm	24V DC IP 44	lithium 24 V	9,3 m/min	36 kg
MRE 300 LPT	20000 kg	5000 kg	4500 mm	24V 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 an **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	48V DC IP 44 brushless	lithium 48 V	13 m/min	30 kg
MRE 200 XS LPT	16000 kg	4000 kg	2100 mm	48V DC IP 44 brushless	lithium 48 V	9 m/min	30 kg
MRE 300 XS LPT	20000 kg	5000 kg	2100 mm	48V 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.



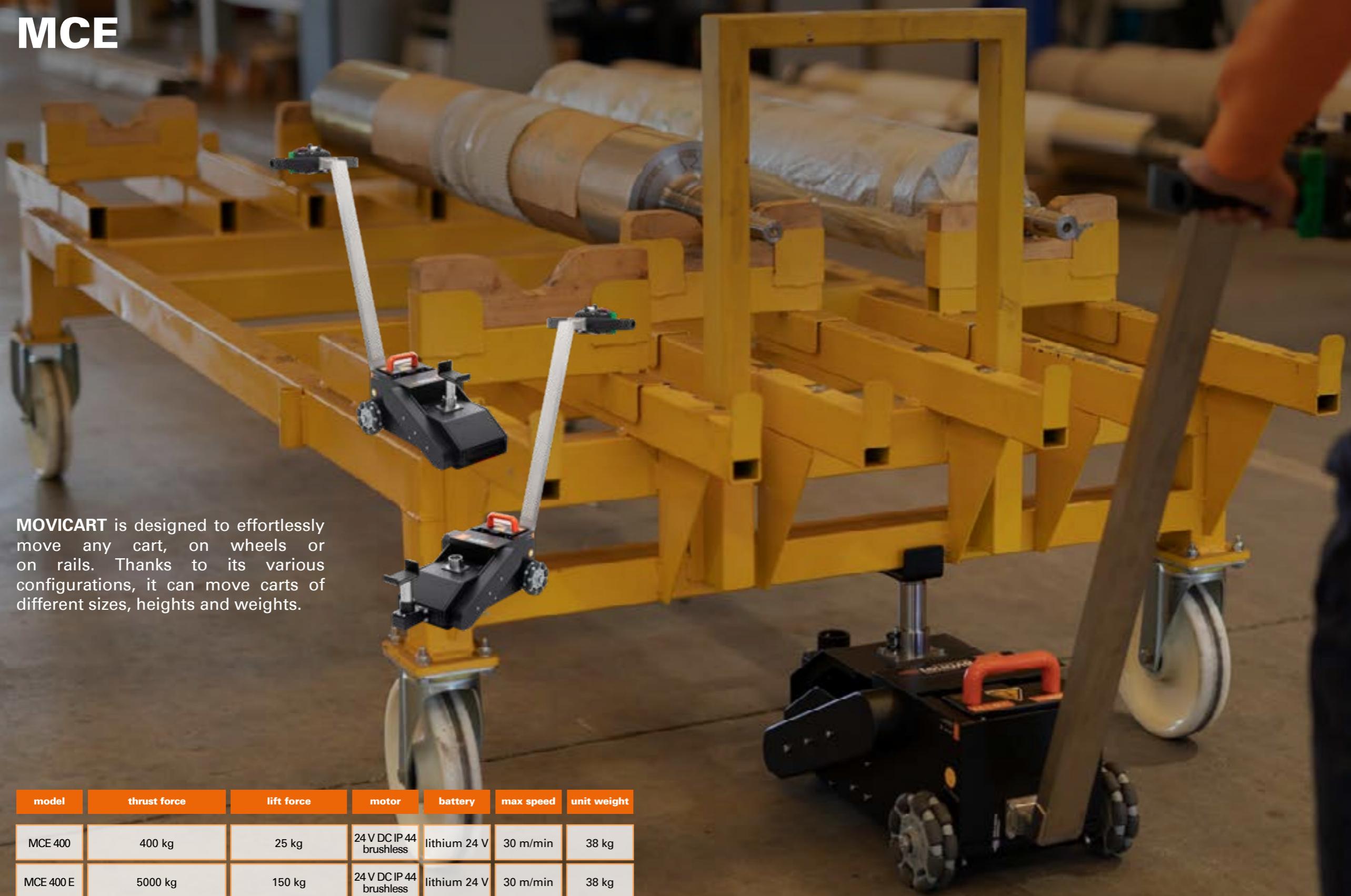
model	thrust force		lift force	max rolls diameter	motor	battery	max speed	unit weight
	paper	vehicles						
MRE100 LP	12000 kg	8000 kg	3000 kg	4500 mm	24V DC IP 44	lithium 24 V	13 m/min	36 kg
MRE 200 LP	16000 kg	10000 kg	3500 kg	4500 mm	24V DC IP 44	lithium 24 V	10 m/min	36 kg
MRE 300 LP	20000 kg	15000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



# CONFIGURATIONS

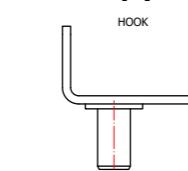


## CART GRIPPERS

MCEP0102



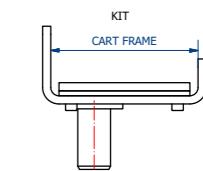
A



B



C



cart frame (mm)

A

B

C

30 - 50

MCEP0068

MCEP0077

MCEP0087

50 - 80

MCEP0070

MCEP0080

MCEP0088

80 - 120

MCEP0072

MCEP0083

MCEP0089

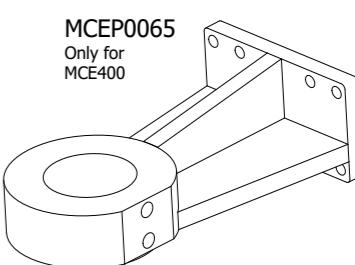
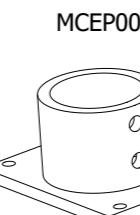
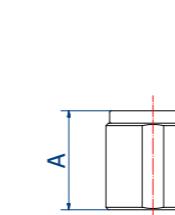
120 - 150

MCEP0074

MCEP0086

MCEP0090

## BUSHINGS



A (mm)

40

75

110

145

180  
Only for  
MCE400

215

code

MCEP0096

MCEP0097

MCEP0098

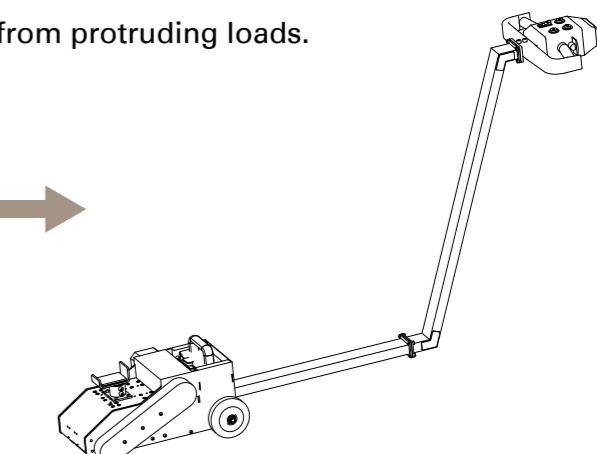
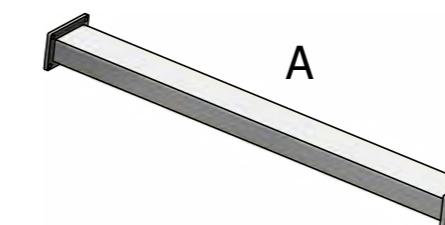
MCEP0099

MCEP0100

MCEP0101

## HANDLE EXTENSION

Handle extension available to space out from protruding loads.



A (mm)

610

code

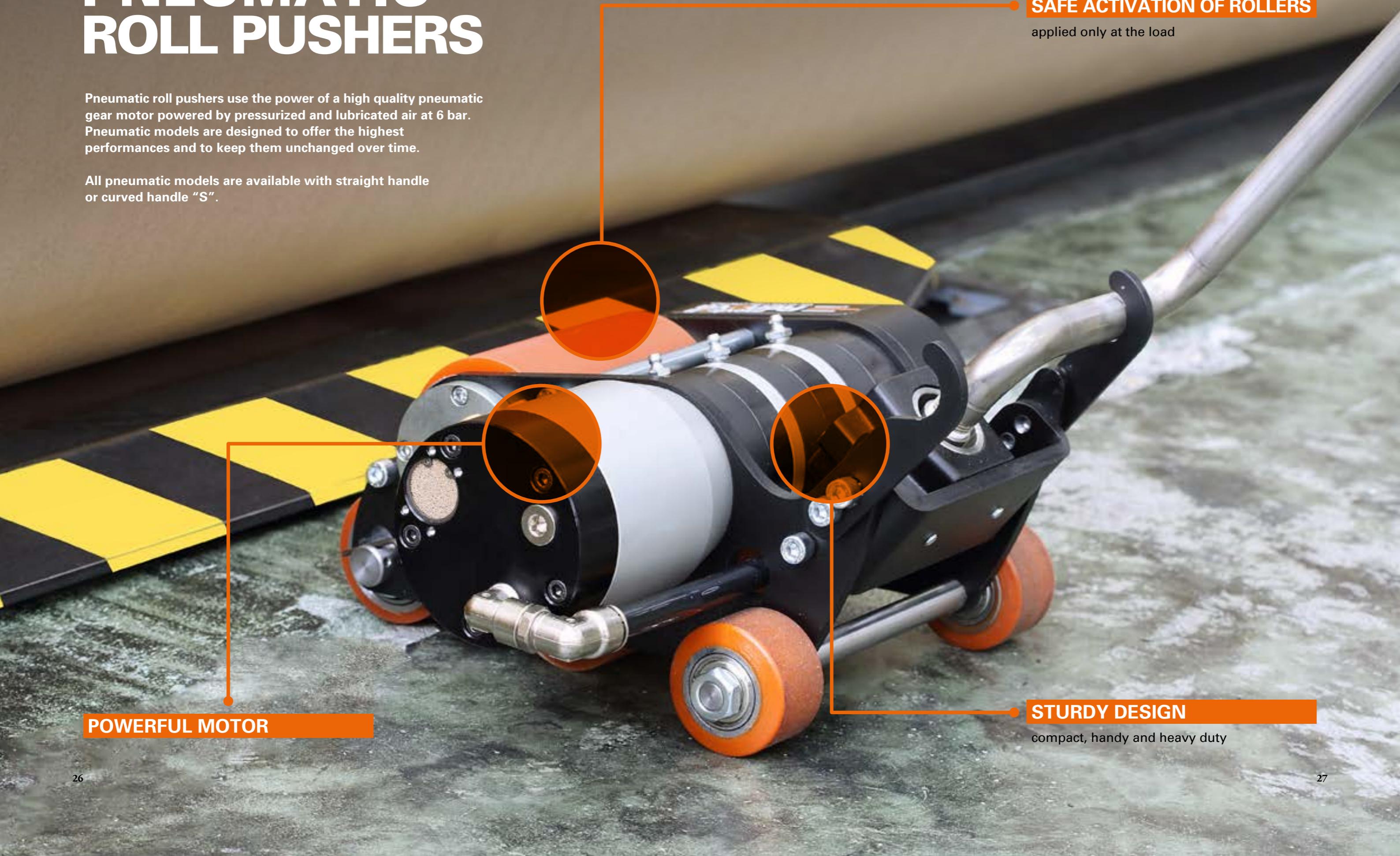
MCEP0104

# 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".



**POWERFUL MOTOR**

**SAFE ACTIVATION OF ROLLERS**

applied only at the load

**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.



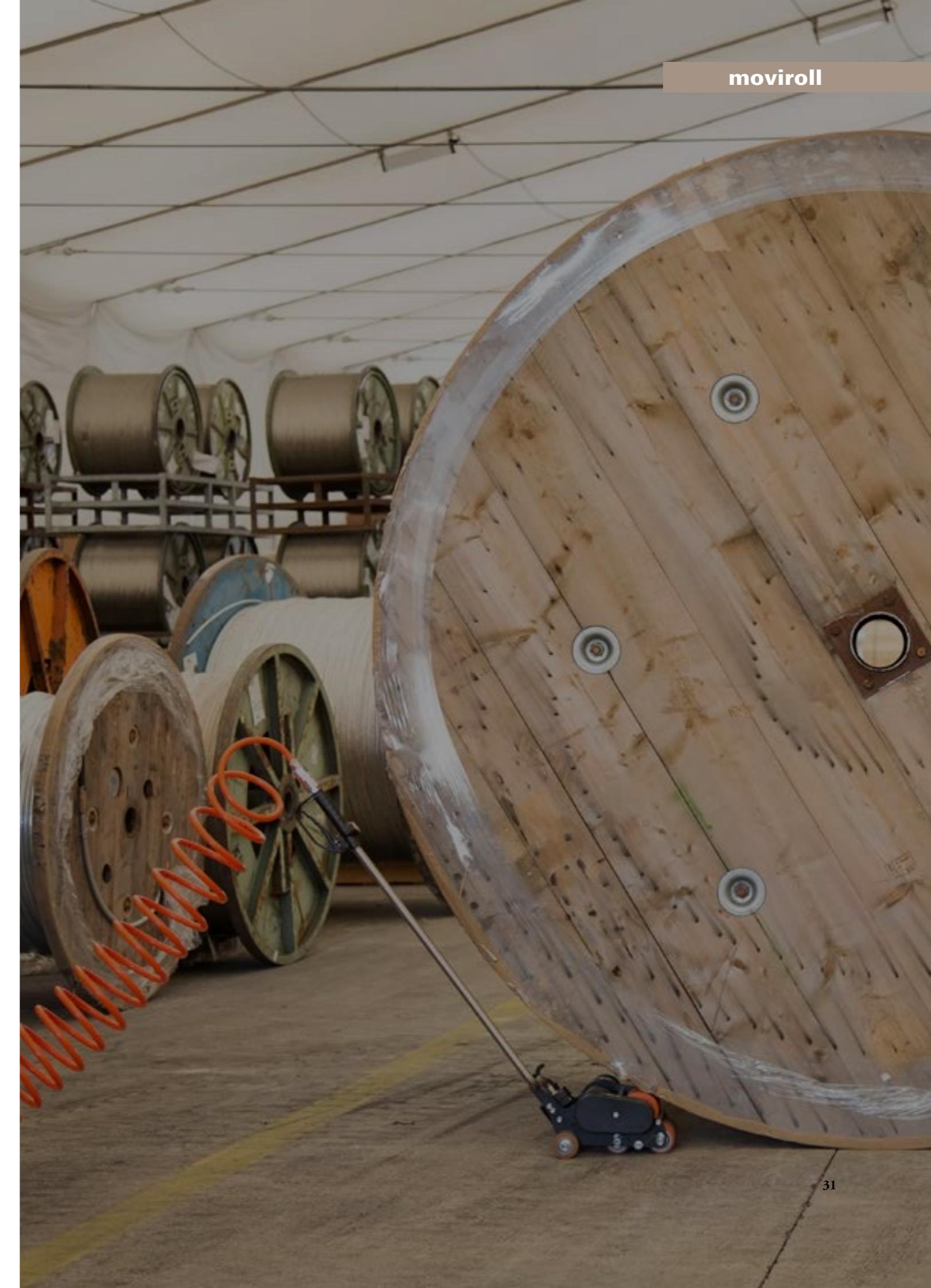
model	thrust force		lift force	max rolls diameter	max speed	air pressure	air consumption	unit weight
	paper	vehicles						
MR100 MR100 S	10000 kg	15000 kg	2500 kg	2600 mm	24 m/min	6-7 bar	28 l/sec	24 kg
MR200 MR200 S	20000 kg	20000 kg	5000 kg	2600 mm	20 m/min	6-7 bar	40 l/sec	24 kg
MR100 H MR100 SH	10000 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	3100 mm	15 m/min	6-7 bar	28 l/sec	24 kg
MR200 L	30000 kg	2600 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





# OPTIONALS AND ACCESSORIES

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## REEL TURNER

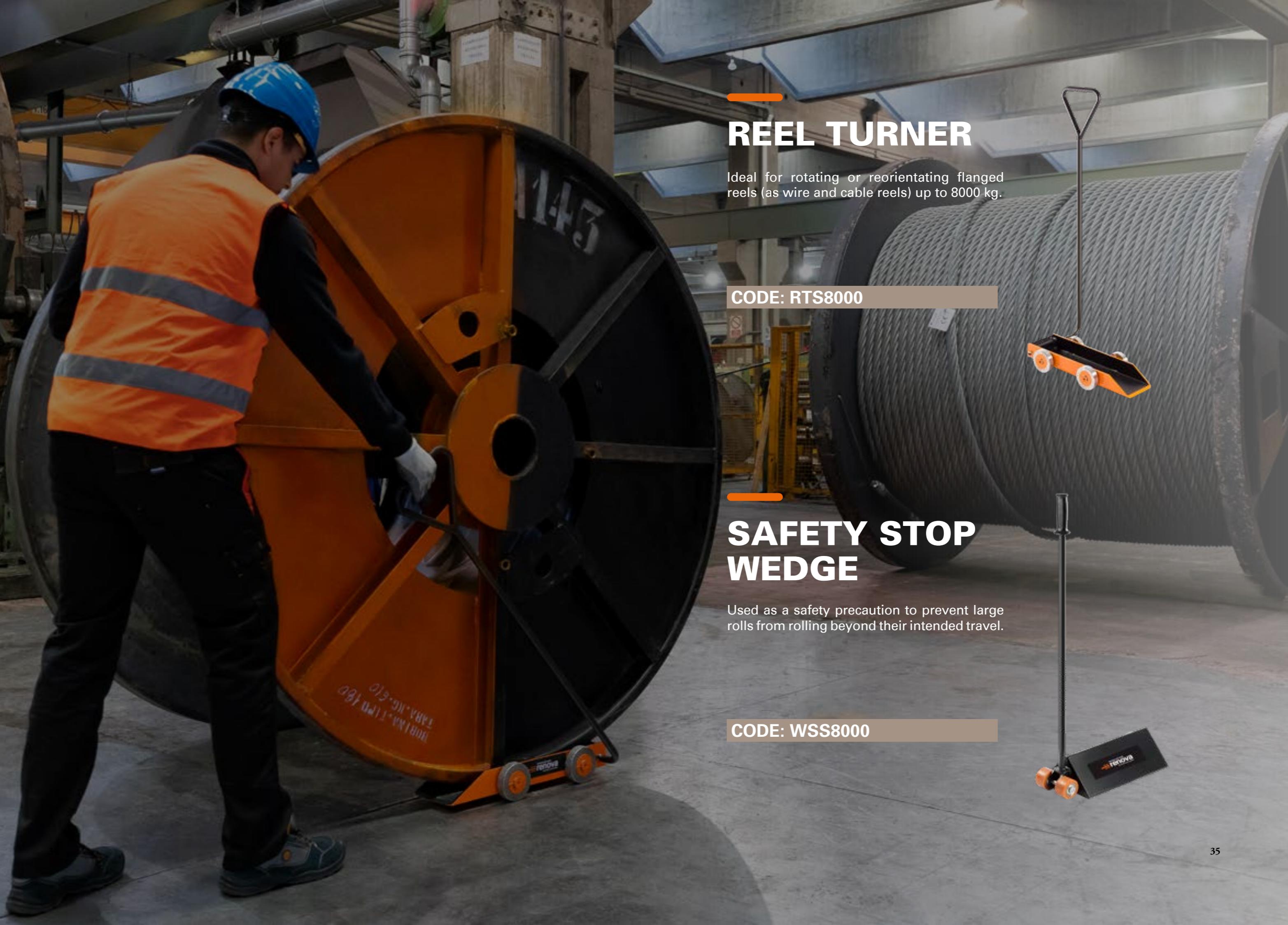
Ideal for rotating or reorientating flanged reels (as wire and cable reels) up to 8000 kg.

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

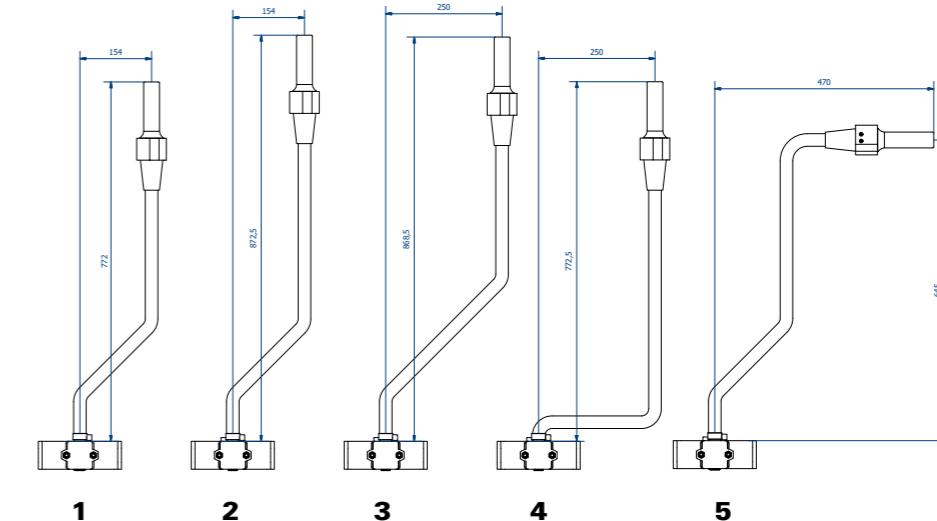
## PLATE

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

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# QUESTIONNAIRE

 Please fill out the questionnaire, take a picture and send it via email to [info@renova-srl.com](mailto:info@renova-srl.com)

## CUSTOMER

complete name

position

company

plant

country

tel

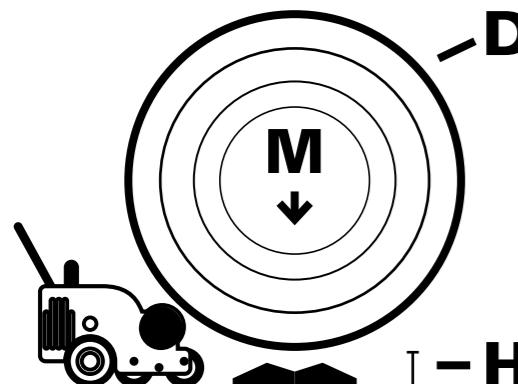
email

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](mailto:info@renova-srl.com)

## CUSTOMER

complete name

position

company

plant

country

tel

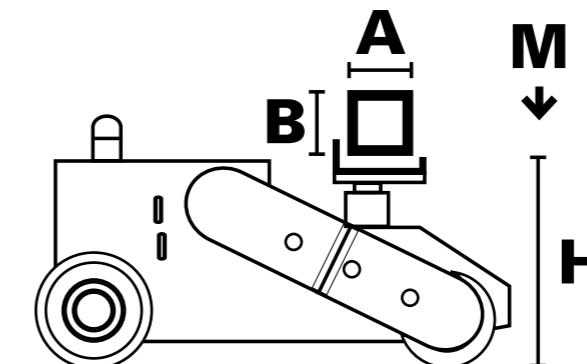
email

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  
mm

B  
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

#### SUPPORT

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

#### CUSTOM PROJECTS

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

#### QUALITY

All Renova's products are managed by TUV ISO 9001



#### SUSTAINABILITY

Sustainable products, sustainable company. Renova has joined Erion



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**moviroll**  
**movicart**

ROLL PUSHERS & CART MOVERS