

MasterMover[®]

Performance Range

Heavy-duty tows and tugs make it easy
to move loads **up to 70,000kg**

Performance ++



Performance ++

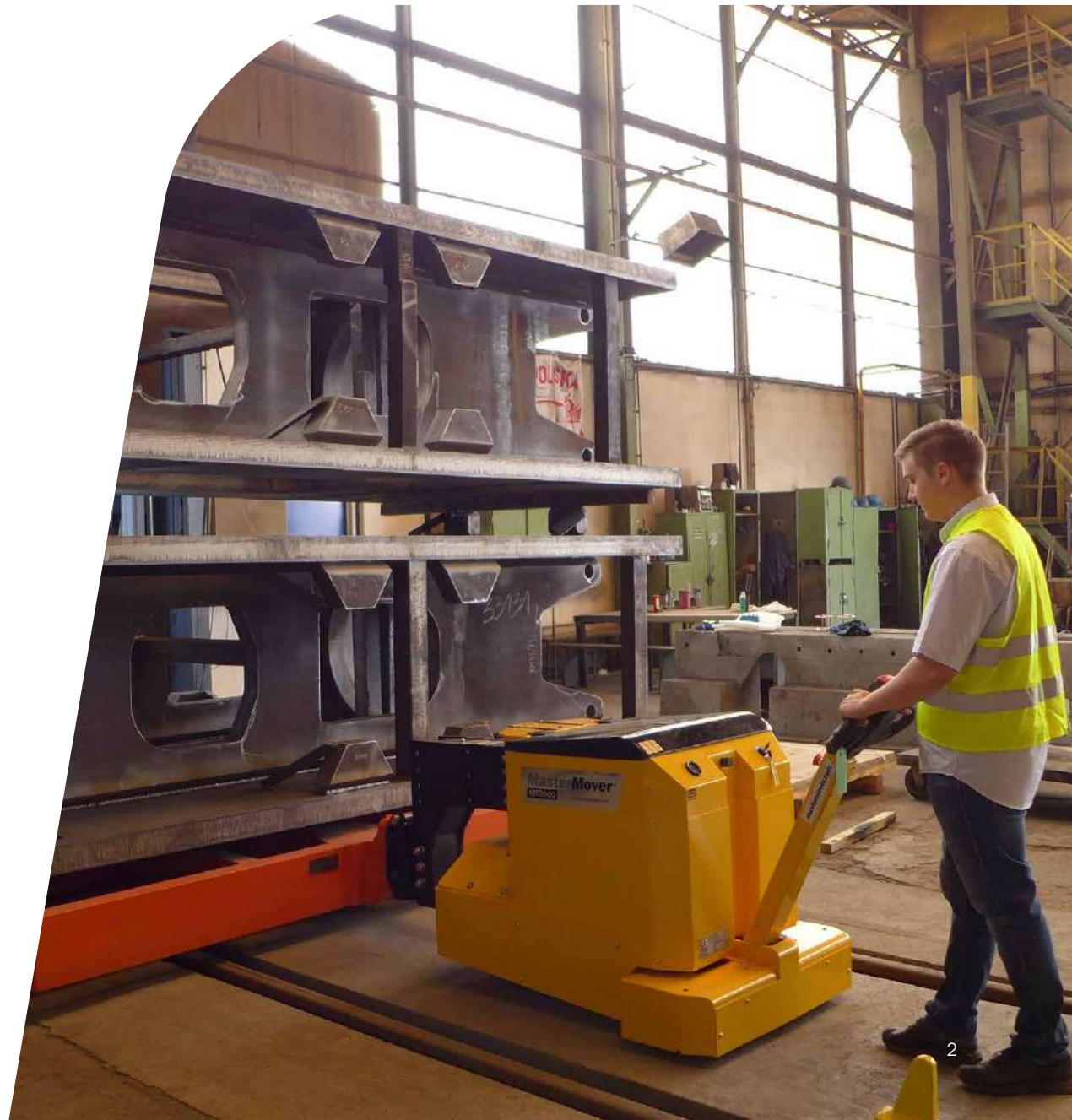
Safer material handling

With unmatched manoeuvrability of loads weighing up to 70,000kg, our **Performance** electric tugs offer a compact, flexible, and more reliable alternative to traditional material handling equipment.

Highly durable and built with industrial manufacturing in mind, our powerful **Performance** tugs allow a single operator to move loads weighing between 3,000kg and 70,000kg with a single machine.

For controlled movement of the heaviest loads, this range improves safety by reducing reliance on lifting equipment, and with no operator licence needed, you can also reduce downtime and boost productivity.

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What is an electric tug?

Electric tugs are a type of material handling equipment designed to move heavy, wheeled loads.



How do they work?

With no licence needed, electric tugs keep loads safely on the ground. To generate traction, they either use our unique weight transfer principle or the weight of the machine itself, allowing the heaviest loads to be moved easily.

How are they powered?

Electric tugs are 100% battery powered, with different power options available depending on your requirements: from interchangeable maintenance-free battery systems to lithium options for high-intensity workflows.

What control types are available?

Electric tugs are available as pedestrian-operated, remote control, or even as fully autonomous solutions (AGV).

How do tugs connect to a load?

Electric tugs are available with a range of coupling options for safe, secure, and robust connection between the machine and the load.

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Electric tug benefits



Powerful movement

Safe movement of loads up to 70,000kg



24/7 operation

Interchangeable batteries for 24/7 operation



Precision control

Precise movement of heavy loads in tight spaces



Durability

Unmatched durability in the toughest environments



Improved safety

Safe and secure movement of loads



Zero emissions

Supporting sustainability and net-carbon targets



Reduce risk

Eliminate manual handling



No operator licence

Reduce downtime and process disruption



Manoeuvrability

Small, compact machine footprint



Secure connections

Extensive coupling options for safe, secure connection

Performance ++

AllTerrain

Powerful performance in demanding conditions

The AllTerrain series makes it safe and easy for a single operator to move heavy, wheeled loads weighing up to 5,000kg on castors and up to 80,000kg for loads on rails. Built for durability and performance in the toughest environments, the AllTerrain series can work outside, on rough flooring, and on slopes.

The AllTerrain series is suitable for moving heavy loads on both castors and rails. With a range of coupling options available, units can be used as plug-and-play pushers or to pull and steer heavy loads.

An optional remote control system is available to maximise visibility for operators and make it even easier to push and pull heavy loads, whilst the height-adjustable couplings make it easy to integrate with existing systems and equipment.



Key features

Safety

- Audible horn, flashing safety light, anti-crush button and emergency stop button
- Speed control with optional two-speed selector switch
- Optional remote control for maximum visibility on linear movements

Performance

- Heavy-duty industrial units able to work on rough terrain
- Puncture-proof, non-marking drive wheels able to gain traction on rough floor surfaces
- Durable design suited for working in the toughest of environments
- Ideal for use with loads on castors or rails

Power

- Powerful AC motor optimises both speed and power
- Adaptable motor able to operate at slow and fast speeds and different acceleration rates
- High-performance AGM maintenance-free batteries

Connection

- Range of coupling options suited to moving loads on rails and castors
- Custom coupling designs available for specialist needs
- Secure bolt-on couplings for applications requiring controlled, powerful pulling movements
- Plug-and-play coupling options to push heavy wheeled loads

Technical specification

Machine	ATT400	ATP400	MP400
Maximum load (on castors on rails)	5,000 kg 80,000 kg	5,000 kg 80,000kg	5,000 kg 80,000kg
Maximum push force	3,924 N	3,924 N	3,924 N
Maximum pull force	3,433 N	3,433 N	-
Combined machine and battery weight	338 kg	284 kg	263 kg
Maximum slope	10°	10°	15°
Battery (Based on standard option)			
Maximum distance per charge	12.1 km	12.1 km	13.4 km
Charge time (External charger)	8 hrs 15 mins	8 hrs 15 mins	7 hrs 30 mins
Charge time (Internal charger)	8 hrs 15 mins	8 hrs 15 mins	7 hrs 30 mins



Performance ++

MasterHandler

Compact power, zero drift

MasterHandler is our most compact, configurable electric tug series for space-constrained operations and difficult-to-control loads. A modular stabilising leg slides under the load to eliminate drift and create a control point, for precise movement of loads with a full swivel or mixed castor set-up.

Upgrade your MasterHandler to the Electric Steer model to unlock advanced control options. From remote control to innovative multi-machine synchronisation as well as automation, for even more precision and visibility when moving long or heavy loads.

With an adjustable leg system and interchangeable batteries, MasterHandler adapts to any load fast and keeps working round the clock. If space or stability is an issue, then our compact-footprint MasterHandler is the solution.



Key features

Safety

- Flashing safety light, audible horn, emergency stop, and anti-crush button
- Speed control with optional two-speed selector switch
- Secure coupling for attachment to loads

Performance

- Unbeatable manoeuvrability for difficult-to-control loads in tight spaces
- Prevent loads from drifting during movement
- Powerful, optimised hydraulics ensure a smooth and secure connection

Power

- Powerful AC motor optimises both speed and power, to move loads up to 6,000kg
- Interchangeable, maintenance-free batteries for 24/7 machine operation
- Adaptable motor operates at different speeds and acceleration rates as needed

Connection

- Secure coupling options to suit various trolley designs
- Optimised couplings for maximum performance through weight transfer
- Adjustable leg system creates solid control point beneath the load to eliminate drift

Technical specification

Machine	MH400+	MH600+
Maximum load (on castors on rails)	4,000 kg 16,000 kg	6,000 kg 24,000 kg
Maximum push force	2,746 N	4,119 N
Maximum pull force	2,746 N	4,119 N
Combined machine and battery weight*	399 418kg	399 418kg
Maximum slope	8°	8°
Battery (Based on standard option)		
Maximum distance per charge*	8.8 10.3 km	6.3 7.4 km
Charge time (External charger)	7hr 8hr 10 (15A) or 5hr 30 6hr 30 (20A)	7hr 8hr 10 or 5hr 30 6hr 30
Charge time (Internal charger)	7hrs 8hr 10	7hrs 8hr 10



Performance ++

MasterTug

Consistent performance and manoeuvrability

The MasterTug series provides unrivalled manoeuvrability when moving heavy-wheeled loads weighing up to 20,000kg. Using a unique weight transfer principle, the MasterTug series can move heavy weights whilst retaining an incredibly compact machine footprint. The design makes the MasterTug series perfect for precise movements in confined spaces.

With ergonomic controls, lightweight steering, and an intuitive design, the MasterTug takes the strain and allows operators to move heavy loads with complete control. A secure coupling system maximises load security and performance, guaranteeing total peace of mind.

MasterTug's powerful performance allows operators to push, pull, and steer loads with complete control whether indoors, outdoors, or even on slopes.



Key features

Safety

- Audible horn, flashing safety light, emergency stop button and anti-crush button
- Speed control with an optional two-speed selector switch for maximum control
- Complete load security

Performance

- Powerful weight-moving capabilities through weight transfer
- Start, move and stop movement on slopes
- Optimised hydraulics guarantee a smooth connection and movement

Power

- AC motor optimises speed and power
- Slide out, interchangeable batteries deliver 24/7 performance
- An optional Battery Protection System maximises longevity

Connection

- Secure coupling system delivers controlled movement of loads
- Unique mast design enables operators to connect to loads at different heights
- CombiCoupling, BoxCoupling and custom coupling options available



Technical specification

Machine	MT400+	MT600+	MT800+	MT1000+	MT1200+	MT1500+	MT2000+
Maximum load (on castors)	4,000 kg	6,000 kg	8,000 kg	10,000 kg	12,000 kg	15,000 kg	20,000 kg
Maximum push force	2,747 N	4,120 N	5,492 N	6,865 N	8,238 N	10,297 N	13,729 N
Maximum pull force	2,747 N	4,120 N	5,492 N	6,865 N	8,238 N	10,297 N	13,729 N
Combined machine and battery weight	316 kg	337 kg	491 kg	491 kg	491 kg	491 kg	711 kg
Maximum slope	8°	8°	8°	8°	8°	8°	8°
Battery (Based on standard option)							
Maximum distance per charge	12.2 km	8.4 km	11.7 km	9.5 km	8 km	6.5 km	5.1 km
Charge time (External charger)	7 hrs	7 hrs	6 hrs	6 hrs	6 hrs	6 hrs	7 hrs
Charge time (Internal charger)	7 hrs	7 hrs	9 hrs	9 hrs	9 hrs	9 hrs	10 hrs 15 mins

Performance ++

MasterTow

Powerful movement in challenging conditions

The MasterTow series of powerful, easy-to-use electric tow tugs is ideally suited to towing loads weighing up to 20,000kg. The range uses its own weight to deliver consistent traction for effortless movement of loads whether indoors, outdoors, or even on slopes.

With intuitive operator controls and safety built-in as standard, the MasterTow series gives operators complete control when moving heavy loads. A simple yet robust coupling system guarantees load security during movement, allowing multiple loads to be linked and moved at once.

Benefit from advanced control options with our Electric Steer (ES) models to add on remote control for improved operator visibility and autonomous (AGV) solutions for maximum ROI and accurate repeatability.



Key features

Safety

- Audible horn, flashing light beacon, and emergency stop
- Multiple speed settings for complete control
- Machine crawl coupling assist available for easy connection

Performance

- Powerful performance delivers high torque even at low speeds
- Optimised weight distribution for guaranteed traction
- Start, move and stop movement on slopes

Power

- High performance, interchangeable batteries for 24/7 operation
- Optional Battery Protection System maximises battery life
- Lithium batteries available

Connection

- Easy and universal coupling options
- Lockable couplings to keep loads secure
- Variety of coupling options available



Technical specification

Machine	TOW600	TOW600 ES	TOW800 ES	TOW1000 ES	TOW1200 ES	TOW1500 ES	TOW2000 ES
Maximum load (on castors)	6,000 kg	6,000 kg	8,000 kg	10,000 kg	12,000 kg	15,000 kg	20,000 kg
Maximum push force	2,354 N	2,354 N	3,138 N	3,923 N	4,707 N	5,884 N	7,845 N
Maximum pull force	3,530 N	3,530 N	4,707 N	5,884 N	7,061 N	8,826 N	11,768 N
Combined machine and battery weight	607 kg	627 kg	721 kg	1,026 kg	1,116 kg	1,357 kg	1,926 kg
Maximum slope	10°	10°	10°	8°	8°	8°	8°
Battery (Based on standard option)							
Maximum distance per charge	8.5 km	8.5 km	7.6 km	10.2 km	8.6 km	6.9 km	5.9 km
Charge time (External charger)	7 hrs 30 mins	7 hrs 30 mins	8 hrs 30 mins	7 hrs 30 mins	7 hrs 30 mins	7 hrs 30 mins	8 hrs 30 mins
Charge time (Internal charger)	5 hrs 45 mins	5 hrs 45 mins	6 hrs 30 mins	10 hrs 30 mins	10 hrs 30 mins	10 hrs 30 mins	8 hrs 30 mins

Performance ++

Trailer Moving System

Unlock safer, more efficient trailer movement



The Trailer Moving System is specifically designed to move unladen trailers weighing up to 20,000kg. From articulated trailers to flatbeds and low loaders, the TMS series of electric tugs allow effortless movement of heavy trailers indoors, outdoors, and on slopes.

Featuring a universal kingpin connection, the Trailer Moving System connects securely to any commercial trailer. Once securely attached, the TMS safely raises one end of the trailer off the ground to allow full range of movement.

Fully electric and licence-free, the Trailer Moving System prevents bottlenecks during load movement for distribution depots and manufacturers. With intuitive operator controls and safety built-in as standard, the TMS series gives operators complete control when moving heavy trailers. The machine's compact footprint maximises visibility and allows operators to easily manoeuvre even in the tightest spaces.

An optional air compressor is also available to control the trailer's brakes directly from the electric tug.

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Key features

Safety

- Audible horn, flashing beacon, and emergency stop
- Multiple speed settings for complete control
- Anti-crush system

Performance

- Powerful movement of trailers weighing up to 20,000kg
- Consistent performance inside, outside and on slopes
- Optional air compressor to engage trailer brakes

Power

- Emissions-free operation
- High performance, maintenance-free batteries
- Battery discharge indicator for real-time battery status

Connection

- Utilises industry-standard kingpin connection
- Secure locking system guarantees total load security
- Powerful hydraulic kingpin lift system

Technical specification

Machine	TMS1100+	TMS2000+
Maximum load (on castors)	11,000 kg	20,000 kg
Maximum push force	14,715 N	19,129 N
Maximum pull force	14,715 N	19,129 N
Combined machine and battery weight	847 kg	1,103 kg
Maximum slope	7°	7°
Battery (Based on standard option)		
Maximum distance per charge	8.4 km	6.3 km
Charge time (External charger)	6 hrs	6 hrs



Performance ++

PowerSteered

Fingertip control of heavy loads

The PowerSteered series allows a single operator to move loads with fingertip control for effortless movement. Benefit from intuitive power steering to make light work of moving the heaviest loads for safer, more efficient workflows.

Available with advanced control options to ensure a solution for every heavy-load moving challenge. Choose from pedestrian-operated, remote control, and even fully autonomous AGV options for maximum efficiency and accurate repeatability.

Robust design guarantees unrivalled weight-moving performance and a secure coupling system ensures rigid connection to the load during movement, whilst the machine's compact footprint guarantees unbeatable manoeuvrability.

Our PowerSteered electric tugs can be fitted with MultiLink technology, allowing multiple tugs to work in unison under the control of a single operator, for even more weight-moving performance and enhanced steering capabilities.

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Key features

Safety

- A range of control modes deliver maximum operator safety
- Audible horn, flashing beacon, performance monitoring
- Speed control with two-speed selector switch

Performance

- Highly manoeuvrable for precise movement in tight spaces
- Unrivalled visibility for operator
- Powerful hydraulic system maximises load security and power holding loads even on slopes
- MultiLink and AGV options enable future scalability

Power

- High performance, maintenance-free interchangeable batteries for 24/7 operation
- Optional Battery Protection System maximises longevity
- Compact design, yet high power output

Connection

- Heavy-duty hydraulic coupling system ensures maximum load security and performance
- Self-levelling hydraulics enable secure movements even on slopes
- Optional smart coupling allows for MultiLink capabilities



Technical specification

Machine	PS800+ LH	PS800+	PS1000+	PS1200+	PS1500+	PS2000+	PS2500+	PS3000+
Maximum load (on castors)	8,000 kg	8,000 kg	10,000 kg	12,000 kg	15,000 kg	20,000 kg	25,000 kg	30,000 kg
Maximum push force	5,493 N	5,492 N	6,865 N	8,238 N	10,297 N	13,729 N	17,169 N	18,632 N
Maximum pull force	5,493 N	5,492 N	6,865 N	8,238 N	10,297 N	13,729 N	17,169 N	18,632 N
Combined machine and battery weight	721 kg	916 kg	916 kg	916 kg	916 kg	916 kg	916 kg	1,271 kg
Maximum slope	8°	8°	8°	8°	8°	8°	8°	8°
Battery (Based on standard option)								
Maximum distance per charge	11.7 km	11.1 km	11.1 km	11.1 km	11.1 km	11.1 km	11.1 km	4 km
Charge time (External charger)	8 hrs	8.5 hrs	8.5 hrs	8.5 hrs	8.5 hrs	8.5 hrs	8.5 hrs	6 hrs

Performance ++

Fleet management software

Turn movement into metrics

Introducing MasterConnect, the new data platform add-on that turns operations into actionable insight. Gain fleet-wide visibility of how each electric tug is used, manage operator access control, locate equipment across sites, and spot issues early.

Get immediate control and visibility from day one, for deeper data insights and proactive maintenance benefits that compound over time. Convert your material movement into a safer, smarter process with less downtime and lower total cost of ownership.

Start making your machine data work for you by turning it into a powerful decision-making tool.



Manage operator permissions



Fleet location tracking



Remote diagnostic support



Real-time usage analytics



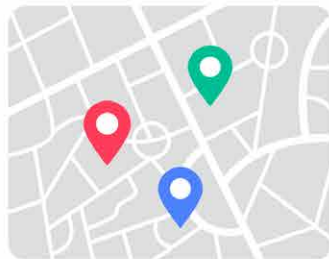
Maintenance alerts



Scalable platform



Location



- Machine Ref 8275
- Machine Ref 2345
- Machine Ref 5462

Performance



Attention!
Service Req.



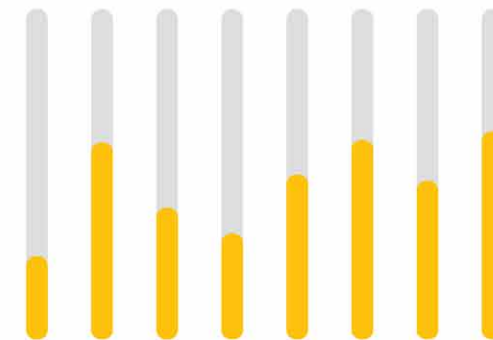
Time Tracking



Total: 6hrs

Analysis

Monthly Yearly



50%



Attention!
Battery Low

Ongoing support

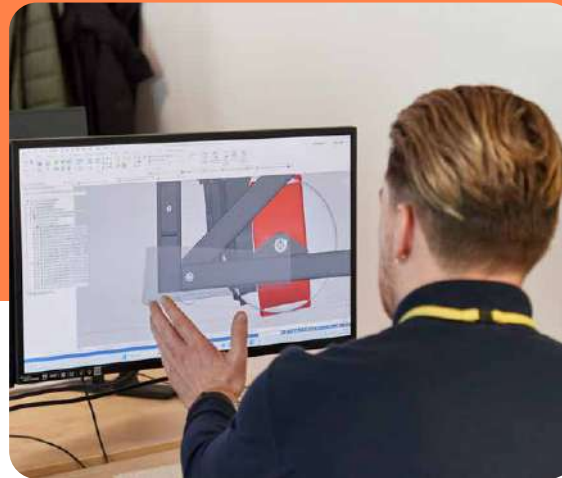
Our services



Servicing & maintenance

Keep your electric tugs moving with planned maintenance to prevent downtime and protect your investment by extending machine life.

With flexible servicing packs, our service engineers provide scheduled maintenance and safety checks, backed by lifetime technical support and guaranteed parts delivery.



Custom solutions

Recognising that every material handling requirement is different, our in-house Customer Engineering team is equipped to create custom solutions centred around your specific requirements.

If you need a custom solution, you're in safe hands with MasterMover.



Approved parts

Manufacturer-approved parts for quality assurance. By using genuine MasterMover parts, you benefit from guaranteed compatibility and superior quality, maximising your electric tug's service life and performance.

Performance ++

Performance Range solutions in action

Want to explore how our **Performance Range** of solutions could work for your site?

Talk to us about:

- Visiting an existing customer
- Product demonstrations at MasterMover
- Arranging an on-site demonstration

Get in touch with our team today
[mastermover.com](https://www.mastermover.com)



Engineered
innovation.
Performance
guaranteed.

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