



CarMover



Passion
for BODYSHOPS
TECHNOLOGY
PROCESS and
LAYOUT



SOLUTIONS FOR COLLISION INDUSTRY

CARMOVER

The CarMover is a floor system to move vehicles from one working bay to another. It is easy, fast, effortless and is designed to be used by only one technician.

The CarMover is composed of four plates and works on rails using one plate for every wheel of the vehicle. Each plate weighs only 8 kg or 17.6 pounds. By design, it is easy for the technician to move the vehicle from the end of the conveyor line to the starting point. Each plate's load capacity is 700 kg or 1,543 pounds.

The CarMover plate is produced with a special aluminum alloy and geometric structure, which guarantees no bending. The plastic connectors, on each side of the plate, permit the vehicle wheels to go up to the plate effortlessly and without any slipping problems.

The CarMover permits one technician to move a vehicle by pushing it with an effort of only 12 Kg or 26 pounds. The design uses special wheels and a rail system where the point of contact between them is very thin, reducing the friction to a minimum and permitting a technician to move the vehicle using little effort.

The CarMover works with two different types of rails, having the same performance. One is inside the floor level and the other one is above floor level. The number of rail positions is five per bay in Europe and six in North America. This allows the CarMover to accommodate every model and size of vehicle.

Symach uses the CarMover inside the FixLine conveyor in every new layout.



CARMOVER
+ RAILS

Fixline
Move your bodyshop
into the **FUTURE**

MOVING PERFORMANCE



The CarMover allows one technician to move a vehicle using only 12 kg or 26 lb of effort.

PLATE FRAME



The plate is extruded with a special aluminum alloy that permits a deflection of only 1 mm or 0.04", under vehicle load, but always returns to the original shape with no permanent deformation.

Every plate has a no-collision system to avoid the technician pushing the car too far and damaging another one.

PLASTIC CONNECTORS

There are two connectors for every plate, which are constructed from an elastic plastic mix with a specific geometry. This allows them to flex toward the floor to facilitate the car wheel moving onto the plate and then returning to its original position.

CONFIGURATION



The CarMover uses:

- four plates for every bay,
- the rail's position per bay are five in Europe and six in North America, due to the different lengths of cars,
- two models of rails:
 - Rail In is inside the floor lever
 - Rail Out is outside the floor level
- trolley for plates.

TEMPERED STEEL WHEEL



The CarMover wheels are made with bearings and with a self-centering system on the rails.

RAIL OUT

The rails over the floor level are constructed from a metal section with a specific design and are easily installed on the floor and secured with anchor bolts.

The rails protrude over the floor level by 2 cm or 0.78 " and have ramps on both sides to help wheels and pedestrians pass over them.

RAIL IN

The rails inside the floor level are constructed from a metal section with a specific design and are installed inside the floor level. They can also be installed inside the grid of the spray booth and the preparation bay.

CARMOVER TECHNICAL DATA

MEASURES AND DATA

Length	0,60 m	1.96 ft
Width	0,40 m	1.31 ft
Weight	8 kg	17.6 lb
Load capacity	700 kg	1543 lb
Effort required to push vehicle at full load (2800 kg)	12 kg	26.4 lb
Board	anodised aluminum color yellow	
Ramps	ABS plastic color red	
Sliding wheels	hardened steel	
Collision advanced system	vehicles placed side-by-side system	
Standard warranty	36 months	

APPROVAL

Europe	EU: CE ISO 9001
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RAIL IN

Measures (LxWxH)	400 x 5 x H 4 cm	157 x 1.9 x 1.5 "
Material	steel	
Treatment	galvanised	
Color	zinc	
Installation	h 4 per bay	
Floor cut-out width	8 cm	3.1"
Floor cut-out depth	5 cm	1.9"

RAIL OUT

Measures (LxWxH)	300 x 22 x H 2,25 cm	118 x 8.6 x 0.8 "
Material	steel	
Treatment	cataphoresis-treated	
Color	clear grey	
Installation	h 4 per bay	

Symach

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Via Bazzane 69, 40012 Calderara di Reno (BO), Italy
info@symach.com - ph: +39 (0)51 96 31 61



www.symach.com