



IMMOOS

Evacuation and
safety solutions

Cable carriages



Efficient and safe movement

Immoos has developed special cable carriages to ride on wire ropes of cable cars and industrial installations. Different designs allow efficient and safe riding in almost all rope fields.

With our self-driven cable carriages, people can move on stranded ropes of cable cars and industrial installations – without a restraining rope, second person or additional device for securing. This creates greater autonomy and faster, more flexible movement on the rope. When developing our devices, we focused on safety, ease of use and low weight.

The smooth, stable running on wire ropes characterizes our cable carriages. It is made possible by a running gear consisting of at least two rollers. As the heart of the equipment, the centrifugal brake regulates to a constant speed.

In addition to the hand brake, a dead man's brake provides additional safety. Our electric drive can also handle gradients of up to 60 percent (~31°).

Our cable carriages are versatile: for moving safely between two points, moving passengers along the rope or remotely transporting equipment, material and ropes.

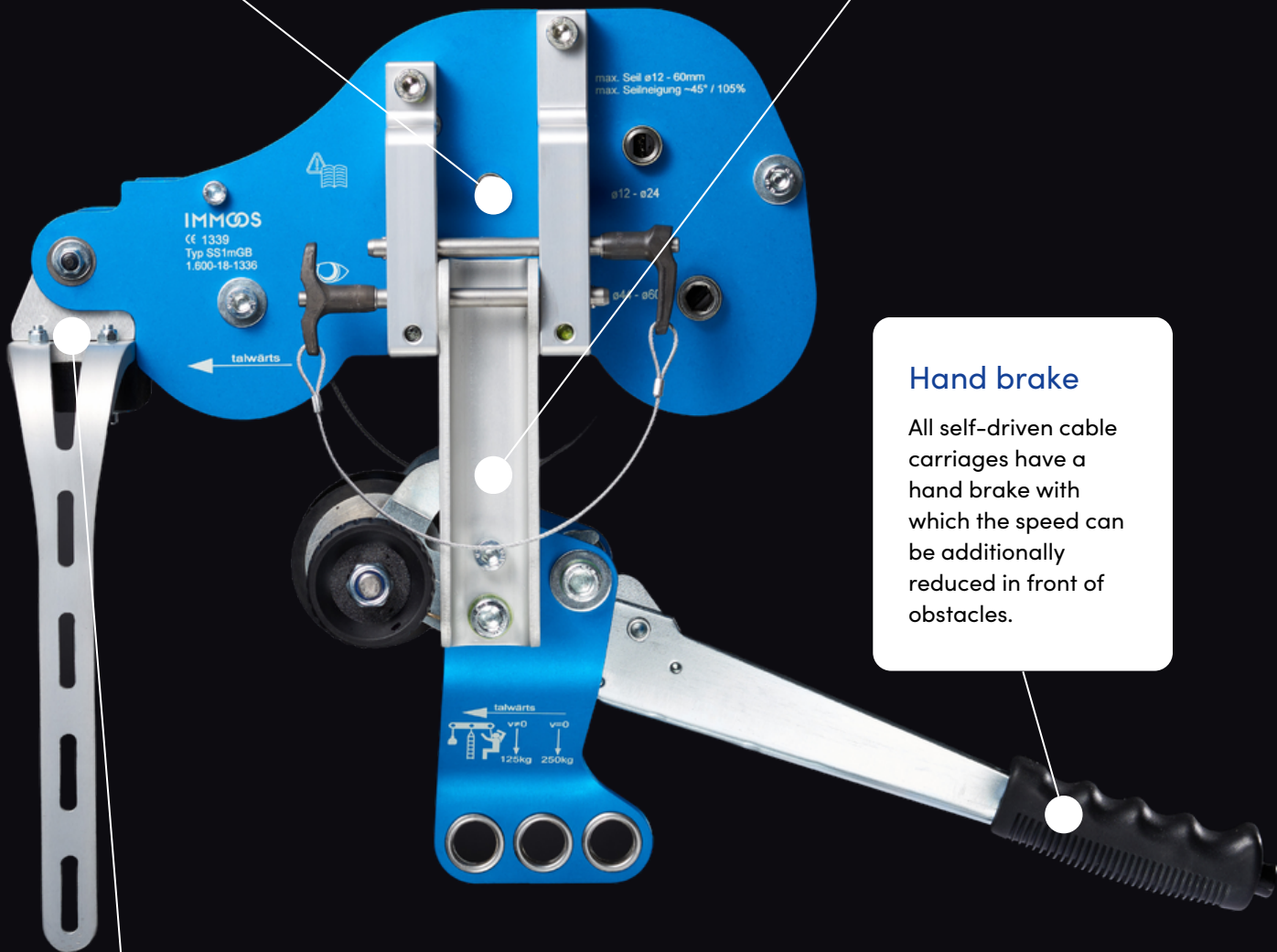
Our cable carriage

Automatic centrifugal brake

Inside the self-driven cable carriage, a centrifugal brake controls the driving speed.

Versatility

Depending on the execution, ropes with a diameter between 12 and 75 millimeters and an inclination of up to 105 percent can be driven on.



Hand brake

All self-driven cable carriages have a hand brake with which the speed can be additionally reduced in front of obstacles.

Dead man's brake

Stops the self-driven cable carriage in the event of inability to act.

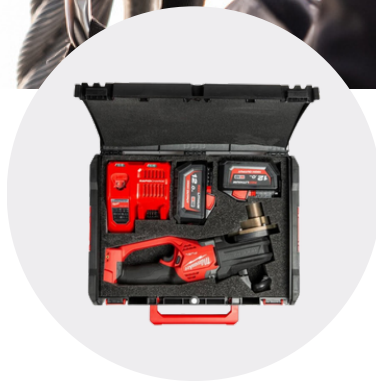
The self-driven cable carriages are made in five versions in our factory in Central Switzerland. They are suitable for use on stranded ropes, on cables with a diameter of 12 mm to 75 mm and inclines of up to 105%, depending on the model. Immoos type mGB cable carriages are also equipped with an automatic centrifugal brake. All equipment is certified and complies with the requirements of directive (EU) 2016/424 relating to cableway installations and European standard 1909 «Recovery and evacuation».

Accessories



Battery-powered electric drive

Battery-powered electric drive for the Immoos self-driven cable carriages. It enables environmentally friendly uphill travel on wire ropes over long distances and up to 60 percent (~31°) gradients. The drive also facilitates the transport of passengers: cables climbs of up to 30 percent (~16°) are possible with one passenger, and up to 20 percent (~11°) with two passengers. The electric drive has one forward and one reverse gear. When driving downhill, the generated energy is fed back into the battery.



Special battery drive "Milwaukee 12AH"

Battery-operated special drive that can be coupled with self-driven cable carriages. The compact and handy device enables environmentally friendly uphill travel on wire ropes up to 36 percent (~20°) gradients.

Running gear

Our cable carriages can be extended with runnings gears for the transport of persons. They enable the simultaneous towing of up to two persons.



Insert for cordless drill

To reach longer, flat or slightly ascending rope fields without the need for effort, our rope access equipment can be driven by a cordless drill. A special insert in the form of a hexagonal bolt is required for power transmission. If a flange is attached to the device, the insert with fail-safe ring and a screw-on stop bolt provide additional user-friendliness, as falling out and twisting of the cordless drill is prevented.