



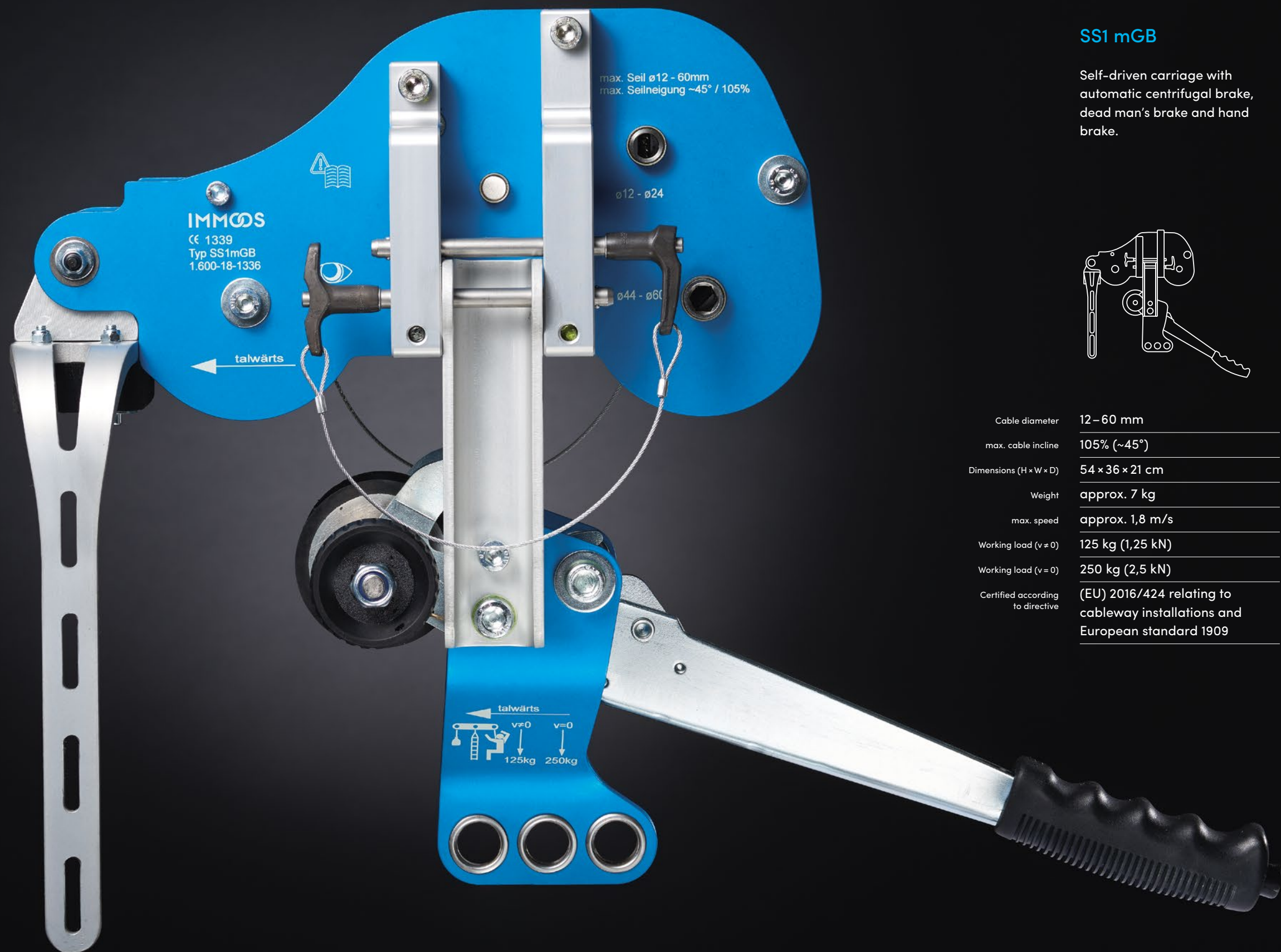
## Cable carriages



Immoos GmbH has developed purpose-built cable carriages to move cable cars and industrial systems along ropes. Easy handling and quiet, stable running properties ensure secure and efficient evacuation. With different versions and a range of accessories available, they can be used on any terrain.

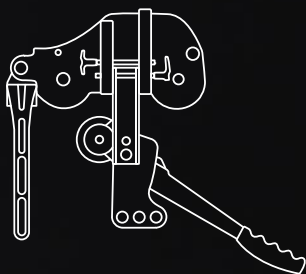






### SS1 mGB

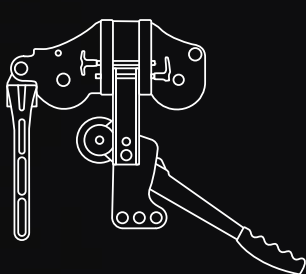
Self-driven carriage with automatic centrifugal brake, dead man's brake and hand brake.



|                                  |   |
|----------------------------------|---|
| Cable diameter                   | 12 – 60 mm  |
| max. cable incline               | 105% (~45°)   |
| Dimensions (H × W × D)           | 54 × 36 × 21 cm   |
| Weight                           | approx. 7 kg  |
| max. speed                       | approx. 1,8 m/s   |
| Working load (v ≠ 0)             | 125 kg (1,25 kN)  |
| Working load (v = 0)             | 250 kg (2,5 kN)   |
| Certified according to directive | (EU) 2016/424 relating to cableway installations and European standard 1909 |

### SS1 oGB

Self-driven carriage with dead man's brake and hand brake but without automatic centrifugal brake. Suitable for level cable sections.

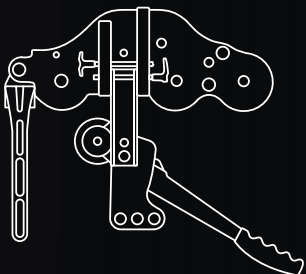


|                                  |   |
|----------------------------------|---|
| Cable diameter                   | 12 – 60 mm  |
| max. cable incline               | 50% (~26,5°)  |
| Dimensions (H × W × D)           | 54 × 35 × 21 cm   |
| Weight                           | approx. 5 kg  |
| max. speed                       | approx. 1,8 m/s*  |
| Working load (v ≠ 0)             | 125 kg (1,25 kN)  |
| Working load (v = 0)             | 250 kg (2,5 kN)   |
| Certified according to directive | (EU) 2016/424 relating to cableway installations and European standard 1909 |

\* Permitted maximum speed

### SS1 mGB Twin

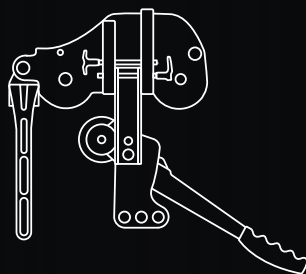
Self-driven carriage with automatic centrifugal brake, dead man's brake and hand brake. Low wear thanks to second drive roller. Suitable for long, steep cable sections.



|                                  |   |
|----------------------------------|---|
| Cable diameter                   | 12 – 60 mm  |
| max. cable incline               | 105% (~45°)   |
| Dimensions (H × W × D)           | 65 × 36 × 21 cm   |
| Weight                           | approx. 7 kg  |
| max. speed                       | approx. 1,8 m/s   |
| Working load (v ≠ 0)             | 125 kg (1,25 kN)  |
| Working load (v = 0)             | 250 kg (2,5 kN)   |
| Certified according to directive | (EU) 2016/424 relating to cableway installations and European standard 1909 |

### SS2 mGB

Self-driven carriage with automatic centrifugal brake, dead man's brake and hand brake. Suitable for larger cable diameters.



|                                  |   |
|----------------------------------|---|
| Cable diameter                   | 30 – 75 mm  |
| max. cable incline               | 105% (~45°)   |
| Dimensions (H × W × D)           | 54 × 38 × 22 cm   |
| Weight                           | approx. 7 kg  |
| max. speed                       | approx. 1,8 m/s   |
| Working load (v ≠ 0)             | 125 kg (1,25 kN)  |
| Working load (v = 0)             | 250 kg (2,5 kN)   |
| Certified according to directive | (EU) 2016/424 relating to cableway installations and European standard 1909 |

The self-driven cable carriages are made in four versions in our factory in Central Switzerland. They are suitable solely 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».

Instruction film  
[immoos.com/ss1en](http://immoos.com/ss1en)



# Safe movement on any terrain

Our self-driven cable carriages are the culmination of our long experience and solid specialist expertise as a general supplier of evacuation equipment. They allow people to move quickly and safely on the stranded ropes of both industrial and cable car systems. In development of our devices, we focus on ease of use and low weight to ensure efficient operation.

Our cable carriages are characterised by their quiet, steady running properties on haul ropes. This is achieved by a carriage comprising at least two rollers. In addition to the hand brake, a dead man's brake ensures additional safety and permits movement along cable sections without a restraining rope. A centrifugal brake also regulates speed to make movement easier.

Immoos cable carriages are available in several versions and thus can be used on a variety of terrain. A comprehensive range of accessories and additional carriages increase efficient evacuation and allow simultaneous transport of several people.



## Four-stroke engine drive

The four-stroke engine drive enables smooth uphill movement with type SS1 cable carriage. This allows unaided rescue personnel to single-handedly negotiate cable sections with inclines of up to 36% (~20°). With an engine weight of about 7 kg, a maximum uphill speed of 1 metre per second is possible. It also facilitates transport of people: cable sections with inclines up to 17% (~10°) are possible with one passenger and inclines up to 8% (~5°) with two passengers. The engine features a forward and a reverse gear.

## Carriages

Our cable carriages can be upgraded with simple carriages to transport passengers. The carriages manufactured by Immoos have two rollers and, depending on the version, feature a fixed handle, safety hooks, screw connectors and shock absorbers. They allow simultaneous transport of up to two people and can be installed on all self-driven cable carriages.



## Insert for cordless drill

Cable carriage type SS1 can be powered with a cordless drill to effortlessly negotiate longer, level or slightly sloping cable sections. A special insert in the form of a hex head nut is required for power transmission, with optional drop-out protection. The insert is also available as a set consisting of a powerful cordless drill, charger, replacement battery and case.



## Manual drive

A manual drive can be used to move type SS1 cable carriages along short, level cable sections. The crank handle is operated on either the left- or righthand side of the cable carriage. The cable carriage can also be moved by means of the two manual drives on both sides simultaneously.





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