



# Material Hoist

Quick and Reliable  
Lifting of Tools and Materials



SAFE



SIMPLE



SPECIALIZED

## Our Vision, Our Mission

### The Leading Solution-Provider For People Working At Height

Since our company was founded in 2005, it has been our mission to support hard-working people. That's why we offer solutions that contribute to the effectiveness, efficiency and safety of working at height.

We want to enable people to do their jobs safely and protect their health. We believe in delivering safe, innovative and cost-efficient solutions that benefit our customers and their employees.

## 3S Lift | Company Introduction

3S Lift is a leading global provider of access equipment and services for people working at height.

3S stands for safe, simple, specialized, which is our brand promise.

Founded in 2005, 3S Lift has developed Material Hoists, Service Lifts, Ladders, Fall Protection Systems, Suspended Access Equipment, Climb Auto Systems, and more. Our mission is to provide market-leading quality products and premier customer service that exceeds customer expectations.

As the building and roofing industries change, we continue to pioneer new ladder hoists and accessories to make moving materials safer, quicker and easier than ever before. We are happy to provide our customers with immediate assistance on spare parts and services from our localized warehouses and service technicians in different regions around the globe. 3S Lift Material Hoists are the reliable solution for builders across the world, whether you are installing roofing, siding, skylights, solar panels, or windows, we have a hoist for you!



# Material Hoist

The 3S Lift Material Hoist is a customized portable solution for lifting various materials. The hoist consists of a drive and control system, a load carrying device, and a ladder guiding system. Using limited space, the Material Hoist stably and efficiently transports heavy materials to a designated height.

To meet a wide range of customer needs, this product is available in a range of different models for various loads. The hoist can be used with a wide variety of devices, such as lifting frames, multi-purpose carriages, mortar cylinders, etc. This allows it to adapt to different kinds of application scenarios, such as building construction and maintenance, roof photovoltaic installation, and logistics cargo handling.



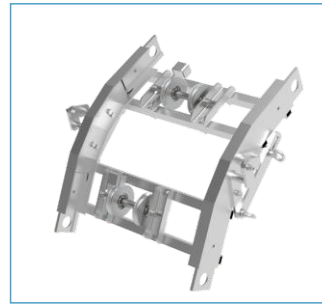
Model	MH03L250-expert
Rated load	250 kg
Lifting speed	30 m/min
Smooth start/stop	Yes
Max. lifting height	19 m
IP class	IP54
Operating temperature	-20 °C – +40 °C
Drive unit weight	80 kg
Working angle	Ground angle 50° – 70° Adjustable angle section can be adjusted between 138° – 160°
Wire rope	ϕ 6 mm, with a safety factor of 8
Power supply	230 V / 50 Hz / 1.5 kW

Model	MH03L250-standard
Rated load	250 kg
Lifting speed	30 m/min
Smooth start/stop	No
Max. lifting height	19 m
IP class	IP54
Operating temperature	-20 °C – +40 °C
Drive unit weight	80 kg
Working angle	Ground angle 50° – 70° Adjustable angle section can be adjusted between 138° – 160°
Wire rope	ϕ 6 mm, with a safety factor of 8
Power supply	230 V / 50 Hz / 1.5 kW

Model	MH03L200-standard
Rated load	200 kg
Lifting speed	25 m/min
Smooth start/stop	No
Max. lifting height	19 m
IP class	IP54
Operating temperature	-20 °C – +40 °C
Drive unit weight	75 kg
Working angle	Ground angle 50° – 70° Adjustable angle section between 138° – 160°
Wire rope	ϕ 6 mm, with a safety factor of 8
Power supply	230 V / 50 Hz / 1.1 kW

### Adjustable Angle Section

The adjustable angle section can be adjusted between 138° – 160° to allow the rails to fit properly to the roof or other inclined surfaces.



### Muti-Purpose Lifting Box

The convenient and easy-to-use lifting box can be used to carry a wide range of materials.



### Load Carrying Device

For the safe transportation of goods, this robust and durable device is welded with carbon steel and offers a safety catch mechanism in case the wire rope should break.



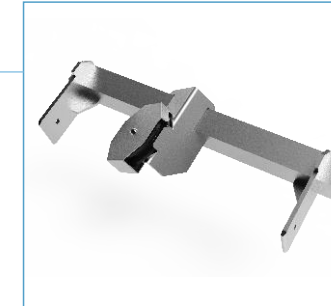
### LeBus grooved drum

The 3S Material Hoist adopts the LBS rope groove design. Thanks to the drum groove, the design ensures the orderliness and even stress of multiple layers of wire rope during winding, to reduce friction and extrusion deformation, so the service life of the wire rope is greatly extended.



### Drive Unit

The drive unit features a manual lowering function, that allows the load carrying device to be lowered to the ground manually in case of a power failure. It is also equipped with a rope winding device and casters for easy transportation. Model MH03L250-expert also offers a frequency conversion control system that makes the hoist start and stop more smoothly.



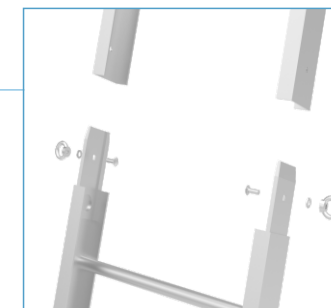
### Rail Top Section

This section is installed at the top of the rail. It features a steel wire rope reversing wheel that secures the wire rope from falling, providing increased safety. Its carbon steel welding structure makes this section particularly solid and durable.



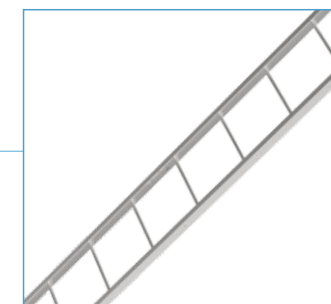
### Roof Support Bracket

This piece provides support to the guide rails on the roof to ensure stability and protect the roof from damage.



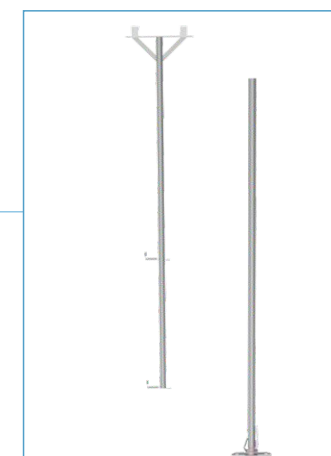
### Rail Section Connectors

By using special bolts and eye nuts, the connections between rail sections can be installed and disassembled without tools, while still meeting the required torque.



### Standard Rail Sections

The standard sections are built with high-strength aluminum alloy. There are 4 standard lengths available: 2 m, 1 m, 0.75 m and 0.5 m. Other lengths can be customized upon request.



### Guide Rail Supports

The length of the guide rail support can be easily adjusted from 5.4 m to 7.2 m to provide support to guide rails of different heights. Whenever the length of the rails exceeds 11 m, these guide rail supports must be installed to offer appropriate support.