

SERIES 100-2000



SLIDING DOOR TRACK SYSTEMS FOR HEAVY
INTERIOR AND EXTERIOR DOORS





High-quality sliding solutions for heavy doors

Maintenance-free sliding doors can close and open large door openings, as well as efficiently divide spaces. When moving heavy sliding doors, durability and safety are important. As a result, track systems come to play a key role in defining sliding door systems.

Helaform sliding systems are light and safe to use, and their top-quality materials and well-designed components make them very long-lasting and maintenance-free. Our top-hanging track systems leave the floor unobstructed at the door opening and offer solutions up to a load capacity of 2,000 kg.

The most common use for these series are heavy sliding doors and dividers in public spaces, sliding doors in outdoor warehouses and large industrial halls, sliding fire doors, sliding curtains and various conveyor and production lines. In addition, in agriculture, machine halls, manege, barns and horse boxes are common applications for these series.

” Heavy sliding doors should feel light and safe to use

When there is no space for sliding doors next to the door opening or the door opening is very large, the doors can be made to slide parallel to the tracks installed side by side inside the door opening.

Individual solutions Products directly from stock

Parts suitable for the series can also be manufactured according to the customer's needs or project. Thanks to having our own product development and production, we are able to customize track systems for a specific purpose. Our professional sales teams help to implement the right solution to provide the customer with high-quality and functional sliding door systems for years to come.

Track systems for these heavy sliding doors are available directly from Helaform's comprehensive warehouse. In construction projects, delay in delivery is expensive, which is why here in Helaform, we keep our part to ensure that our more than 1,000-product range enables fast deliveries even directly delivered to the construction site.

Specifications

	Series 100	Series 150	Series 300	Series 500	Series 900	Series 2000
Weight (max. capacity / door)	120 kg	200 kg	300 kg	500-1200 kg*	900 kg	2000 kg
Bracket interval (max.)	1000 mm	1000 mm	1000 mm	500**-1000 mm	1000 mm	1000 mm

* In 500-series with MPT-600 hanger, a load capacity can be 1200 kg.
* With MPT-600 hanger, bracket interval is 500 mm.

100-2000 series:

- Hangers with nylon or steel wheels and steel body. Lubricated for life ball bearings.
- Hot-dipped galvanized steel track (20 µm). 2000-series hot-dipped galvanized steel track (70 µm).
- Zinc-plated (min. 8 µm) steel parts. Tested in salt-water spray chamber (240 h).

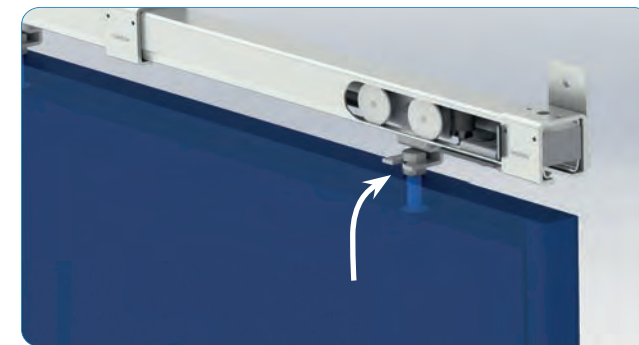
Stainless steel (100-500 series):

- Hangers with AISI 304/316 L -quality steel body and wheels. Lubricated for life ball bearings.
- All tracks AISI 316 L -quality.
- All parts AISI 304 tai 316 L -quality.

Product information

Versatility and easy installation

A comprehensive range of brackets, fixing plates and bottom guides enables many different sliding door installations. Helaform's MPS-hanger allow the doors to be lifted directly into place and the door to be easily installed without a heavy door needing to be threaded with the hangers at the end of the track. In addition, the height of the door is easy to adjust even after the installation.



Light to use and accessibility

Lubricated for life ball bearings in hangers, and well-designed track profiles make even a heavier door light to use. Thanks to top-hanging track systems, the floor does not necessarily need any bottom guide tracks, making access through the door opening, for example with a forklift, is effortless and therefore bottom tracks do not collect any dirt.



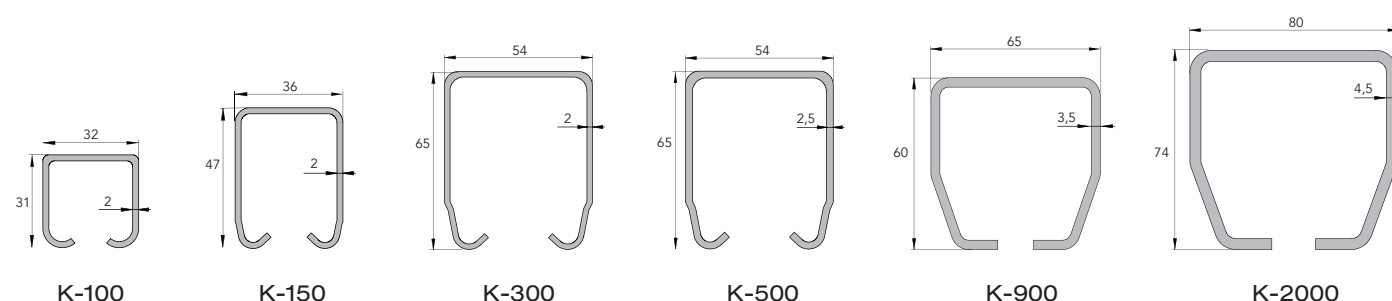
Long service life

High-quality materials and Helaform's over 40 years of experience on the development and manufacture of sliding track systems guarantee a long and maintenance-free service life. The products are tested by VTT (Technical Research Centre of Finland) and we give them a 10-year warranty.



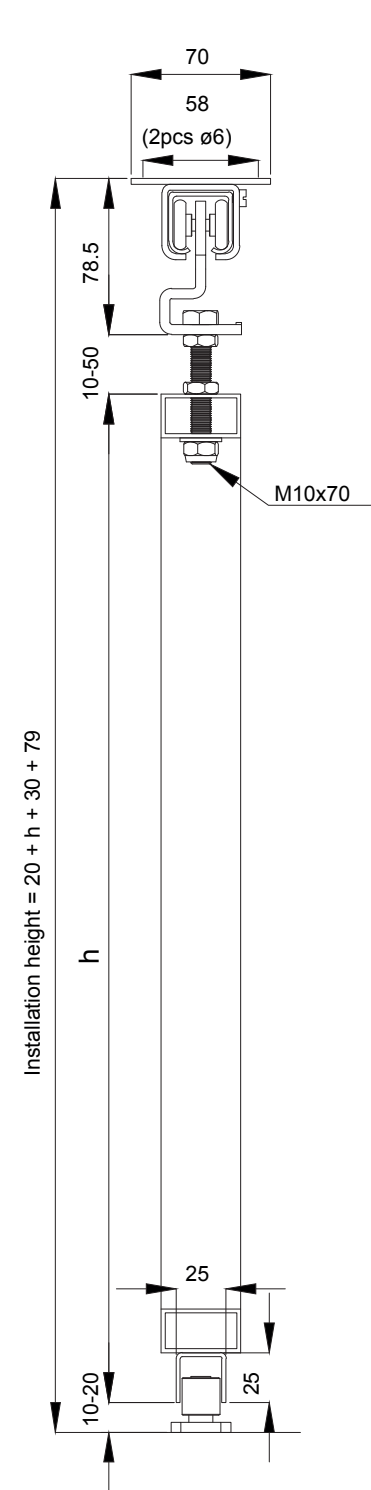
Stainless-steel products

For 100-500 series, Helaform offers a wide range stainless steel products manufactured to AISI 304 and AISI 316 L -quality. Thanks to their corrosion resistance, the products are suitable for even the most demanding sliding door solutions where the environment sets requirements for the durability of the products. These include, for example, the shipbuilding, port and food industries, as well as the mining and chemical industries.

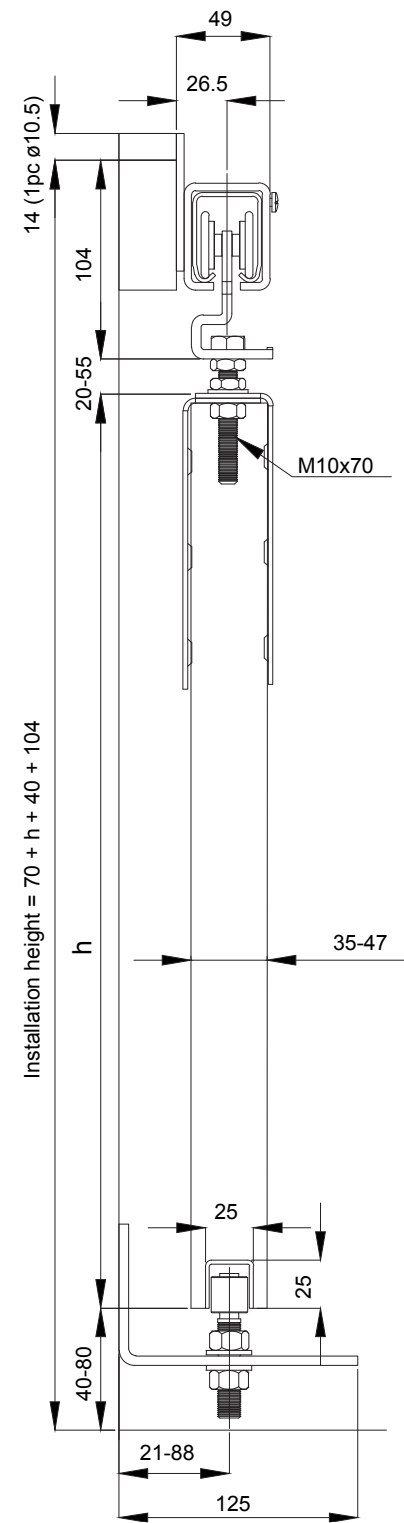


Installation examples

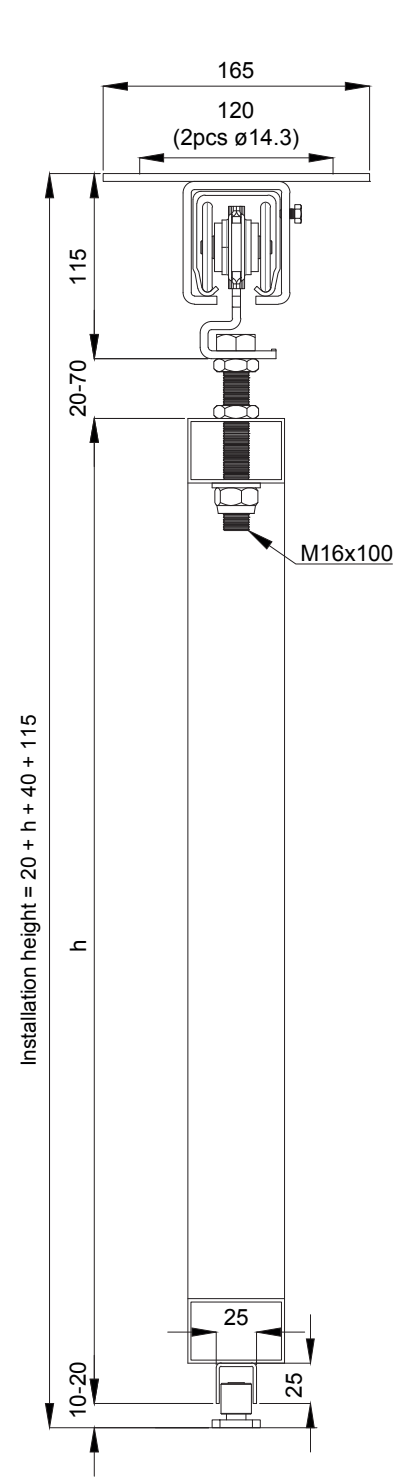
100-series
soffit fixing



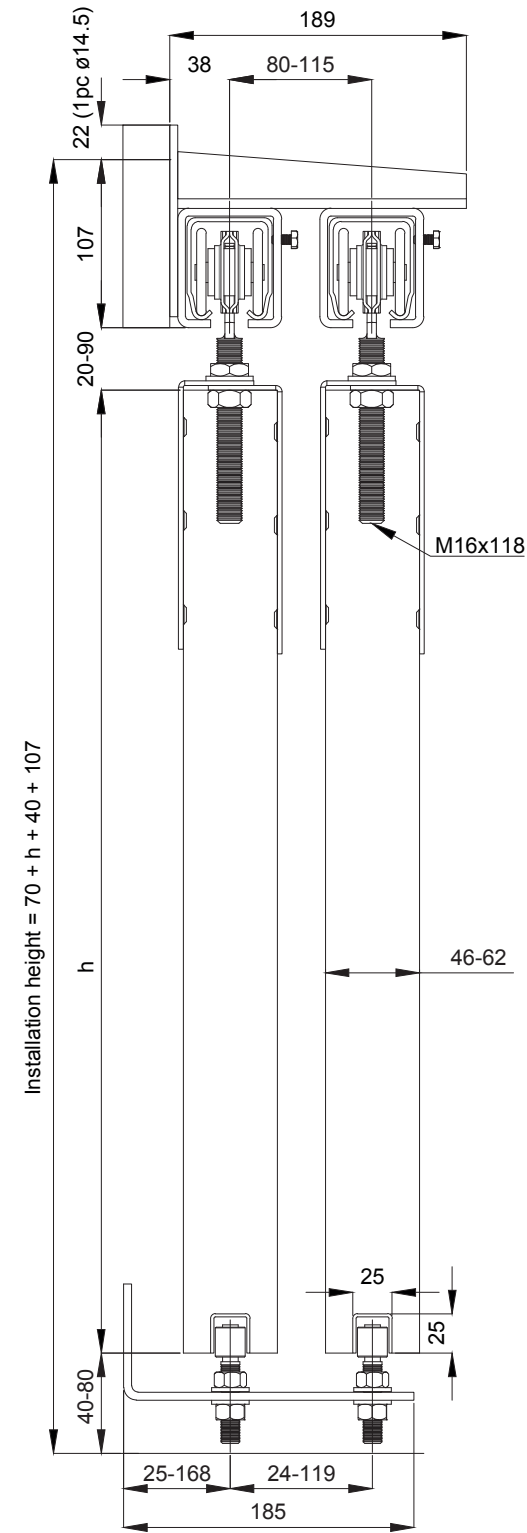
150-series
wall fixing



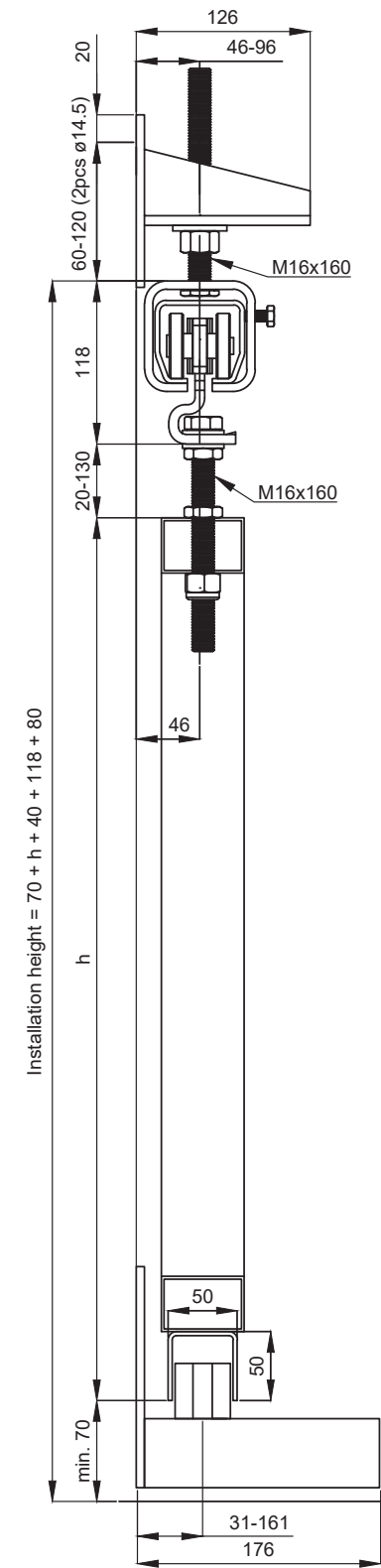
300-series
soffit fixing



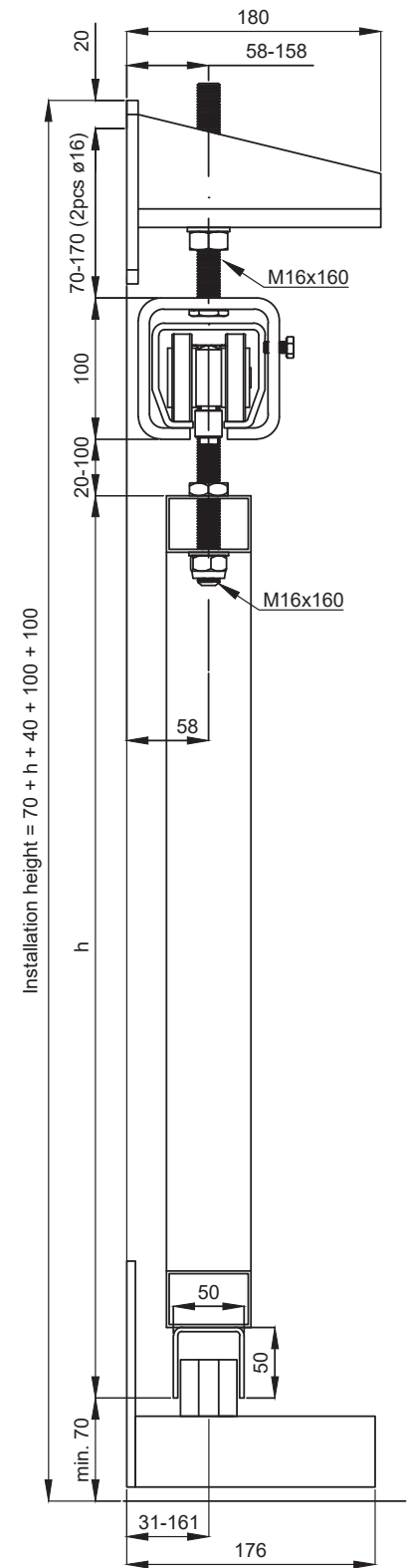
500-series
wall fixing
double track



Series 900
wall fixing

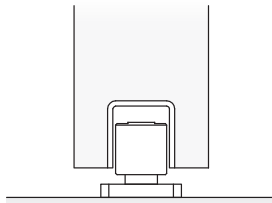


Series 2000
wall fixing

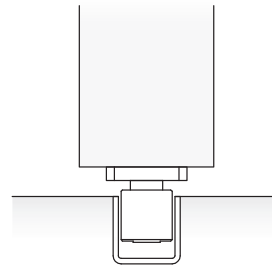


Bottom guide

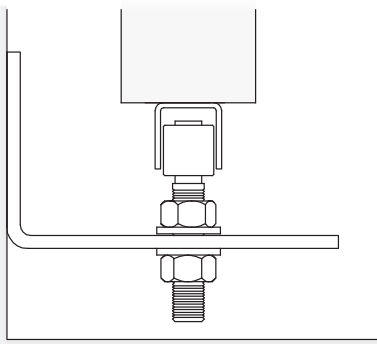
A suitable bottom guide system should always be specified at the door-design stage and they are normally used one per leaf. A bottom guide ensures faultless and safe operation of the door and also prevents the bottom of the door from swinging when operated. The guides do not support any weight, as their principal purpose is to guide the sliding door's movement in line with the track.



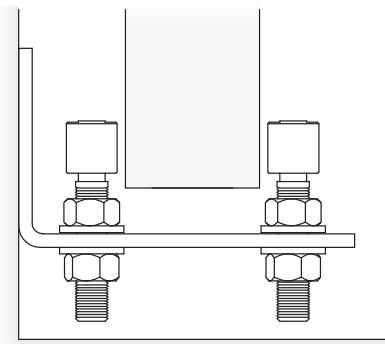
↖ The channel is fixed into the door groove.



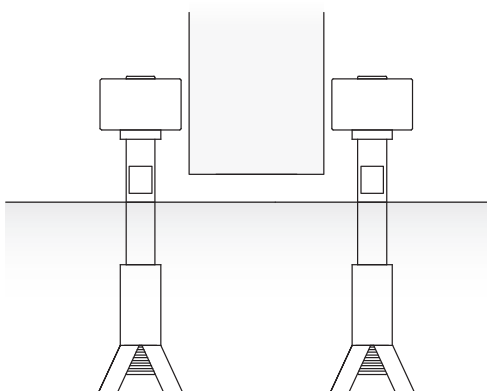
↖ The channel is sunk into the ground.



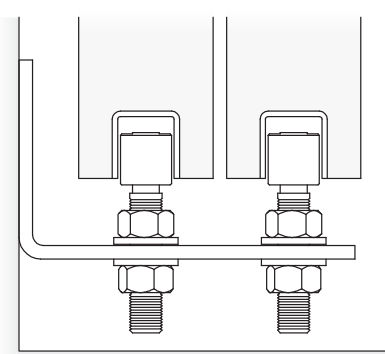
↖ The channel is attached to the bottom of the door.



↖ The doors slide between guide rollers.



↖ The bottom guide is sunk into concrete.

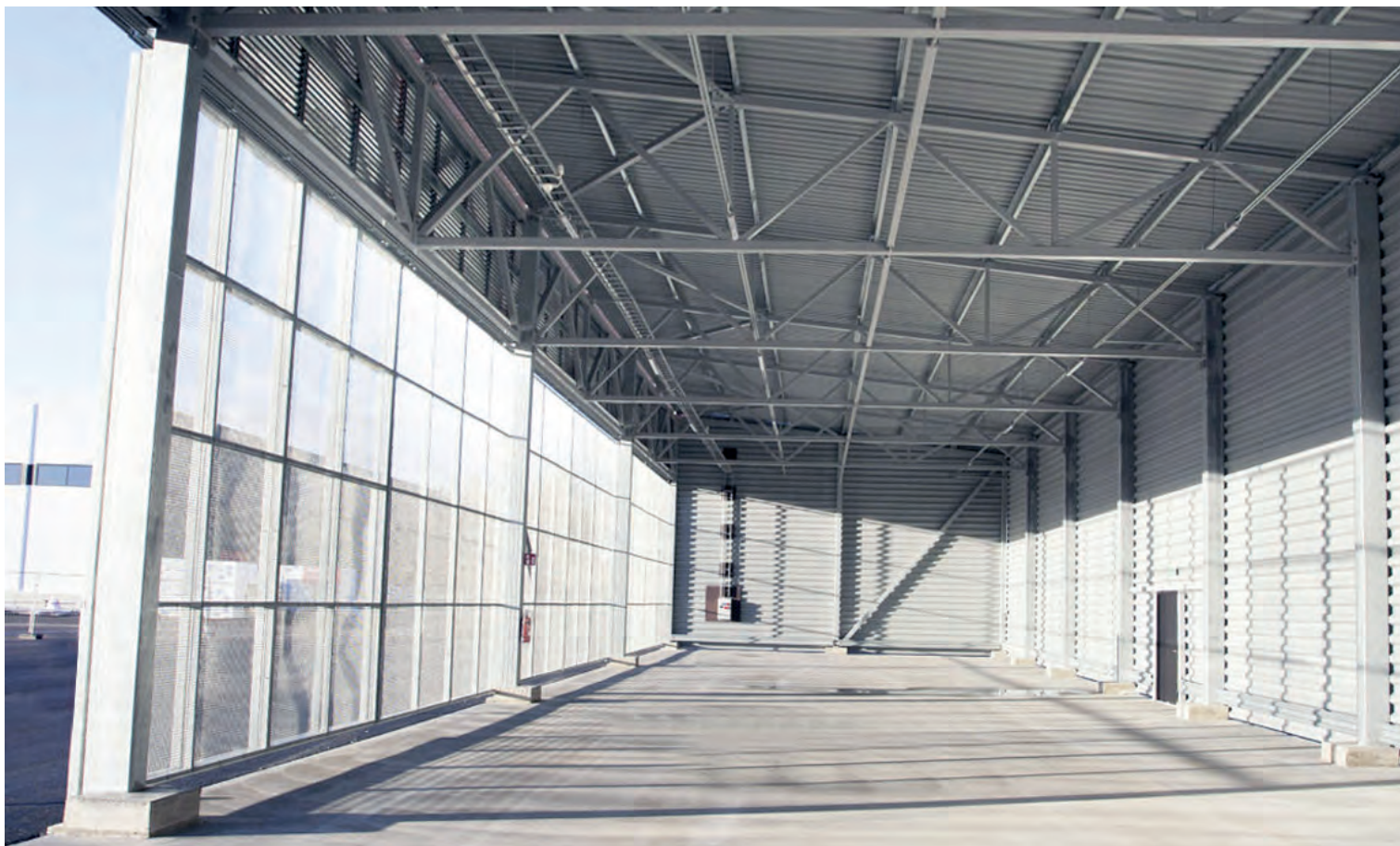


↖ Two doors slide on top of double roller guides.

Specifying the hardware

- » Bottom guides are installed 1 pc / door
- » Inverted bottom guide channels length = door width
- » Ground installed bottom guide channels length = track length
- » Bottom guides are to be installed so that no vertical weight is carried by them
- » Bottom guide rollers are not designed to support other external side stresses i.e. excessive wind loading

Reference



↖ In Cramo's logistics center in Vantaa, massive sliding mesh doors slides with Helaform's 500 series track systems. The doors protect large garages that are more than 400 meters long.

Company

Helaform is a Finnish, family-owned company manufacturing sliding and folding door systems with capacities up to 2,000 kg. With over 40 years of experience, Helaform is one of the world's leading suppliers of sliding and folding door systems.

Helaform's product range covers modern architectural and industrial applications as well as ecological enhancements, such as greenhouse plant watering systems.

