Schindler 9500AE Inclined Moving Walks
Reliable and efficient. Elegant look.
Ideal for commercial buildings.
With your needs in mind
Schindler 9500AE inclined moving walks

Your safety, our responsibility
The Schindler 9500AE inclined moving walk is designed to meet the highest standards in the industry. We ensure that each passenger enjoys a safe ride.

Energy efficient, eco-friendly
Integrated with our latest energy-saving technology: premium drive efficiency, smart power management at times of low passenger density and selected low-power components, the Schindler 9500AE inclined moving walk is one of the most efficient moving walks in retail applications.

Superb quality, global service
Thanks to its high-grade, low-wear-and-tear components, the Schindler 9500AE inclined moving walk is a product with superb quality and performance. Wherever you are, Schindler global services protect your long-term investment.

Elegant adaptable design options
The Schindler 9500AE inclined moving walk offers you not only timeless basic equipment but also highly distinctive customized design options, which make it easily adaptable to smaller commercial areas and high-end shopping centers.
Your safety, our responsibility

At Schindler, safety comes first. This has been our company’s motto over 100 years – and it always will be! Schindler cares about every single passenger: With the highest standards in the industry we ensure each passenger enjoys a safe ride.

Did you know that Schindler is the only company in the industry that produces moving walk pallets in-house? All pallets have to pass the regulatory static breaking load test as well as the eccentric breaking load test above the roller pin before they leave the factory, which exceeds EN 115-1 requirements.

From system-related safety solutions ...

... to human-centered design ...


Unrestricted access for shopping carts: Shopping carts can be effortlessly rolled on and off the unit once the combs are extremely flat, with an inclination of only 11 degrees.

Maximum safety against shoe wedging: Schindler’s unique safety feature. The pallet’s sides run underneath the skirt panels, eliminating the horizontal side gap found in conventional products, making the Schindler design 25 times safer with respect to pinching and wedging than conventional moving walk designs.

Safety indicators
- Pallet gap lighting
- Complate lighting
- Direction indicators
- Emergency stop button
- 2nd-emergency stop button

Safety components
- Guards against climbing
- Safety brake on drive shaft
- Service brake*
- Duplex chain*
- Drive chain monitor
- Pallet chain tension contacts*
- Guard plates*
- Countertrack*
- Grips-pallet

Anti-entrapped
- Handrail entry blocker*
- Short brushes*
- Pallet level contact*
- Complate contacts*
- Pallet contacts
- Handrail entry contact*

Anti-reversal
- Speed monitor*
- Pallet monitor*
- Handrail monitor*

Anti-reversal
- Speed monitor*
- Pallet monitor*
- Handrail monitor*

Additional safety features
- Motor protection*
- Brake lifting monitor
- Water monitor
- Smoke detector
- Water level contact
- Floor cover contact*

Electric anti-reversing device*
- Phase monitoring relay*

Unrestricted access for shopping carts

Note: The list not only includes all safety features required by national safety standards as basic configuration, but specifies even more optional extras.

* Schindler standard items.
Energy-efficient, eco-friendly

The Schindler 9500AE inclined moving walk features three design solutions that increase energy efficiency:

more efficient drive systems, components requiring less power, and intelligent power management software. We call it the Schindler E3 energy saving approach.

### E³ – Schindler’s unique energy-saving approach

#### E1 – Efficient Drive System

With state-of-the-art drive technology, the Schindler premium package increases total drive efficiency by up to 23% compared to conventional drives.

#### E2 – ECOLINE Power Management Packages

Schindler’s ECOLINE power management reduces power consumption by up to 38% compared to conventional continuous operation systems.

#### E3 – Ecological Design

Shortest installation lengths

With patented short pallets, Schindler moving walks have the shortest installation lengths in the market.

Schindler LED lighting

Using LED lights reduces energy consumption by up to 80% and extends lifetime by 100%.

### Choose your ECOLINE package:

<table>
<thead>
<tr>
<th>ECOLINE</th>
<th>ECO Plus</th>
<th>ECO Premium</th>
<th>ECO Premium Plus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy consumption</td>
<td>-6,340 kWh</td>
<td>-5,662 kWh</td>
<td>-6,204 kWh</td>
</tr>
<tr>
<td>Operating mode</td>
<td>Stop-&amp;-go operation with ECO power feature</td>
<td>Moving walk stops when no passengers are on it</td>
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</tr>
<tr>
<td>Application</td>
<td>Intermittent flow including periods of zero passenger flow</td>
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</tr>
<tr>
<td>Benefits</td>
<td>• Power consumption reduced by up to 36%</td>
<td>• Passenger flow maintained, as moving walk is in motion when passengers are approaching it</td>
<td>• Power consumption reduced by up to 35%</td>
</tr>
<tr>
<td></td>
<td>• Reduced power plant CO2 emissions</td>
<td>• Reduced wear &amp; tear on components</td>
<td>• Reduced wear &amp; tear on components</td>
</tr>
<tr>
<td></td>
<td>• Increased moving walk lifespan</td>
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</tr>
<tr>
<td>CO2 footprint</td>
<td>Minus 9,510 kg per year</td>
<td>Minus 8,500 kg per year</td>
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E3 – Schindler’s unique energy-saving approach

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### Energy consumption

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### Operating mode

- Stop-&-go operation with ECO power feature
  - Moving walk stops when no passengers are on it
- Slow-speed operation with ECO power feature
  - Moving walk slows down when no passengers are on it
- Stop-and-go and slow-speed operation with ECO power feature
  - Moving walk stops after an adjustable time running in slow speed

### Application

- Intermittent flow including periods of zero passenger flow
  - Intermittent flow including periods of zero passenger flow
- Intermittent flow including periods of zero passenger flow

### Benefits

- Power consumption reduced by up to 36%
- Passenger flow maintained, as moving walk is in motion when passengers are approaching it
- Power consumption reduced by up to 35%
- Passenger flow maintained, as moving walk is in motion when passengers are approaching it
- Reduced wear & tear on components
- Reduced wear & tear on components
- Increased moving walk lifespan
- Increased moving walk lifespan

### CO2 footprint

- Minus 9,510 kg per year
- Minus 8,500 kg per year
- Minus 9,300 kg per year

### Amortization

- Less than 1.5 years
- Less than 2 years
- Less than 2 years

Would you like more information on efficiency? Please consult the Schindler escalator efficiency brochure. Performance is not a question of cost.
Superb performance, global service

Thanks to its high-grade, low-wear-and-tear components, the Schindler 9500AE inclined moving walk is a product with superb quality and performance. Wherever you are, Schindler global services protect your long-term investment.

Superb performance comes from stringent design

- Long service life
  Schindler is committed to designing for a service life of over 20 years. For example, the microprocessor-controlled lubrication system, which feeds the precise amount of lubricant to every lubrication point. Such attention to detail ensures a long service life for all mechanical parts.

- Smooth operation
  Schindler uses hydrolysis-resistant polyurethane pallet chain rollers. These are the most reliable rollers on the market. They ensure smooth running even in tropical and subtropical regions.

- Quiet running – quiet drive units
  The Schindler 9500AE inclined moving walk is quieter in operation than other leading commercial moving walk brands.

Long-term returns start with high-quality products and services

Unified global production system boasts European design concepts

Across the globe, Schindler operates nine production units for escalators and moving walks and the key escalator and moving walk components like pallets, trusses, and controllers. The Shanghai plant is by far the biggest escalator and moving walk plant in the industry. All factories produce according to global assembly and quality standards.

Customer-focused maintenance service

Schindler not only has a strict standard maintenance process, it also has a global spare parts supply. By maintaining your moving walk using Schindler-manufactured spare parts, you can be confident it will stay in excellent working order.

Integrated TQM system ensures excellence in quality

- Quality control in Schindler escalator and moving walk factories
  - Incoming
    - Check components from supplier
    - Standard check
    - Random check
  - Assembly
    - Electrical check
    - Mechanical check
    - Inspection station
    - Final and outgoing
      - Filling check
  - Supplier quality management
    - Choose qualified suppliers
    - Trial manufacture
    - Industrialization
    - Support suppliers’ ongoing development

- Customer satisfaction management
  - Installation quality control
  - Site acceptance test
  - Claim handling*
  - Maintenance service

*In case of claims, such as components damage or missing parts, the factory’s special claim handling team will help you analyze them.
Elegant adaptable design options

The Schindler 9500AE inclined moving walk offers you not only timeless basic equipment, but also highly distinctive customized design options that make it easily adaptable to smaller commercial areas and high-end shopping centers.

Nothing is unchangeable in our design lines. Our favorite designs just give you an idea of what is possible and can be easily combined. If you like to be more creative, you can even completely design your own moving walk.

Note: Specifications, options, and colors are subject to change. All options illustrated in this brochure are representative only. The samples shown may vary from the original in color and material.

Specifications:
- Stainless sheet steel
- Black Grip
- Full-color polycarbonate comb
- Pallet gap lighting
- Stainless sheet steel
- Full-color polycarbonate comb
Schindler’s Grip+ The ultimate anti-slip solution

Schindler’s Grip+ is a smart, innovative, and cost-effective solution for inclined moving walks: partial coating of the pallets with carbide. This groundbreaking technology, patented by Schindler, significantly reduces the risk of slipping.

First-rate slip resistance – even on steep inclines
Schindler’s high-quality anti-slip coating has been certified to DIN 51130, the standard for measuring the slip resistance of floor coverings, achieving the highest available classification – R13 (slip-resistant at an inclination of over 35 degrees).

Maximum safety – Schindler’s patented technology
The carbide coating is an integral part of the pallet, instead of simply being applied after the pallet has been produced. The surface is extremely hard yet smooth and will not hurt passengers or damage passengers’ shoes.

Greater durability – even under heavy stress
A stress test yielded the following two facts:
- Exposed to normal wear and tear, the moving walk would remain slip-resistant for about ten years.
- Even after six million visitors had used the moving walk, it still met the requirements for the R10 standard.

Schindler’s Grip+
The ultimate anti-slip solution

<table>
<thead>
<tr>
<th>DIN 51130 Braking slipperiness classification</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angle of inclination (°)</td>
<td>R-value</td>
</tr>
<tr>
<td>6° to 10°</td>
<td>R9</td>
</tr>
<tr>
<td>Over 10°, up to and including 19°</td>
<td>R10</td>
</tr>
<tr>
<td>Over 19°, up to and including 27°</td>
<td>R11</td>
</tr>
<tr>
<td>Over 27°, up to and including 35°</td>
<td>R12</td>
</tr>
<tr>
<td>Over 35°</td>
<td>R13</td>
</tr>
</tbody>
</table>

Recommended applications for Grip+

<table>
<thead>
<tr>
<th>Indoors</th>
<th>Outdoors (covered and uncovered)</th>
</tr>
</thead>
<tbody>
<tr>
<td>The moving walk is situated near an exit and exposed to the elements.</td>
<td></td>
</tr>
<tr>
<td>The moving walk is situated near an entrance or exit and exposed to the elements.</td>
<td></td>
</tr>
</tbody>
</table>

Schindler Grip+ Other brands

<table>
<thead>
<tr>
<th>Type of surface</th>
<th>Technology</th>
<th>Coating material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smooth surface on moving g.</td>
<td>High-speed spray</td>
<td>Smooth high-quality rubber coating</td>
</tr>
<tr>
<td>Rough surface on moving g.</td>
<td>Electric arc spray</td>
<td>Smooth high-quality rubber coating</td>
</tr>
<tr>
<td>Smooth surface on underside of step</td>
<td>Cold vulcanization</td>
<td>Smooth high-quality rubber coating</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
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<tr>
<td>Smooth high-quality rubber coating</td>
<td>Cold vulcanization</td>
<td>Smooth high-quality rubber coating</td>
</tr>
</tbody>
</table>

Summary

- Long lifespan: the carbide coating on the pallets ensures long-term slip resistance.
- Easy replacement: pallets can be replaced quickly with minimal downtime.
- Low maintenance costs: the coating is durable and requires minimal maintenance.

<table>
<thead>
<tr>
<th>Coating material</th>
<th>Type of surface</th>
<th>Operating lifespan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smooth high-quality rubber coating</td>
<td>Indoor (smooth)</td>
<td>10 years</td>
</tr>
<tr>
<td>Smooth high-quality rubber coating</td>
<td>Indoor (covered and uncovered)</td>
<td>10 years</td>
</tr>
<tr>
<td>Smooth high-quality rubber coating</td>
<td>Outdoor (covered and uncovered)</td>
<td>10 years</td>
</tr>
</tbody>
</table>
How do you choose the angle of inclination of moving walks?
Inclinations of 10°, 11°, and 12° are the common international standard for inclined moving walks. Users find that a 10° inclination provides the most comfortable ride. A 12° inclination is used whenever space is limited.

What will determine the width of moving walks?
The width of each shopping or baggage cart and its contents must be at least 400 mm less than the nominal pallet width, since passengers must be able to walk past any cart on the moving walk.

Why should we plan free spaces for moving walks?
To ensure safe use of the moving walks, a sufficient amount of free space must be provided at the upper and lower landings (see the figure for minimum dimensions according to EN 115-1). For moving walks that are expected to have a high traffic volume and that are also designed for transporting shopping and baggage carts, the free spaces should have a length of at least 5 m. Passenger guide bars, as shown in the picture to the right, need to be installed outside the free space, otherwise special regulations according to EN 115-4 have to be applied.

Schindler 9500AE inclined moving walks
Planning data

<table>
<thead>
<tr>
<th>Nominal pallet width [mm]</th>
<th>Angle of inclination [degrees]</th>
<th>Max. rise H [m]</th>
<th>Speed [m/s]</th>
<th>Installation</th>
</tr>
</thead>
<tbody>
<tr>
<td>800</td>
<td>10</td>
<td>8.2</td>
<td>0.5</td>
<td>Indoor</td>
</tr>
<tr>
<td></td>
<td>11</td>
<td></td>
<td>0.6</td>
<td>Outdoor</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td></td>
<td>0.65</td>
<td>Outdoor</td>
</tr>
<tr>
<td>1,000</td>
<td>10</td>
<td>5.5</td>
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<tr>
<td></td>
<td>12</td>
<td></td>
<td>0.65</td>
<td>Outdoor</td>
</tr>
<tr>
<td>1,100</td>
<td>10</td>
<td>5.5</td>
<td>0.5</td>
<td>Indoor</td>
</tr>
<tr>
<td></td>
<td>11</td>
<td></td>
<td>0.6</td>
<td>Outdoor</td>
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<td></td>
<td>12</td>
<td></td>
<td>0.65</td>
<td>Outdoor</td>
</tr>
</tbody>
</table>

Continuous arrangement (one-way traffic)
Interrupted arrangement (one-way traffic)
Parallel interrupted arrangement (two-way traffic)
Crisscross continuous arrangement (two-way traffic)
For more information about our project references, visit www.schindler.com.
Ingenious planning
Selecting the right mobility solution means analyzing the building requirements and calculating the potential traffic patterns. This is at the core of Schindler’s planning support to ensure efficient mobility and a convenient journey for passengers. Bringing together global know-how for each individual project.

Schindler planning services:
– Expert consultants for traffic and product planning
– Traffic analysis and calculation service
– Specialized engineering centers for customized configurations
– Planning guidelines and tools to expedite shaft planning, building layout, and product selection/configuration

Seamless delivery
With a full-range portfolio of elevators, escalators, and moving walks, Schindler provides mobility solutions for any building application. Schindler customers can rely on sustainable technology, excellent project management, and proven installation methodologies. It’s always the perfect fit.

Technology for all building types and mobility needs:
– Residential and office buildings
– Commercial towers, retail environments
– Hospitals and public buildings
– Heavy-traffic environments
– High-rise buildings
– Cruise lines

Efficient operation
Smooth, hassle-free operation, and very high availability are the result of professional maintenance and modernization. Environmental and operational efficiency add value to the investment. Reliability and sustainability – all day, every day.

The maintenance, repair, and modernization portfolio:
– Global network of branches and service points
– Skilled and certified technicians and fitters
– Service solutions for all building types and requirements
– Availability and fast delivery of spare parts
– Quickly responding call center services
– E-monitoring diagnostic tools
– Replacement and step-by-step modernization solutions

Continuous enhancement
Schindler constantly develops new products and features to set new benchmarks and increase efficiency. Technological milestones that provide mobility to the urban society – conveniently, safely, and ecologically. Progress needs innovation.

The cutting-edge developments:
– PORT technology – traffic, building communication, and access-control management that calculates the swiftest route through the building
– Schindler regenerative PF1 clean drive technology
– Space-saving, weight-optimized designs
– Flexible modernization concepts from full replacements to partial retrofits
– Eco-mode options for escalators, moving walks, and elevators

Mobility is an essential requirement in the world in which we live and work. Schindler stands for urban mobility and is recognized as a hallmark of quality and safety. Every day, one billion people worldwide place their trust in Schindler products and services.

Schindler provides urban mobility with elevators, escalators, moving walks, and services that are engineered for efficiency and sustainability. Schindler accompanies the development of buildings from planning and construction to daily operation, thus safeguarding their lifetime value.

Schindler moving people.

From the subway to the skyline.
Providing urban mobility.
You've made your choice. Now pick your partner.

Schindler is a main partner of Solar Impulse, the zero-fuel airplane aiming to fly around the world propelled solely by solar energy.

www.schindler.com