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.

From system-related safety solutions ...

**MICONIC F – intelligent microprocessor controller:** Two independent safety circuits control each safety device in real time. Double check means double safety. A unique safety feature from Schindler.

---

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.

---

... to human-centered design ...

**Maximum safety against shoe wedging:**
Schindler’s unique safety feature
The pallets’ 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.

---

**Unrestricted access for shopping carts**
Shopping carts can be effortlessly rolled on and off the unit since the combs are extremely flat, with an inclination of only 11 degrees.
... to the most comprehensive safety package in the industry.

Would you like more information on safety? Please consult the Schindler escalator safety brochure: State of the Art.
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 E^3 energy-saving approach.

E^3 – 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%.

**DRIVE EFFICIENCY**
↑23%

**POWER CONSUMPTION**
↓38%

**INSTALLATION LENGTH**
↓928 mm
* Moving walks with a 4-m rise and a 12° inclination

**ENERGY CONSUMPTION**
↓80%

**EXTENDED LIFETIME**
↑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><strong>Energy consumption</strong></td>
<td>–6,340 kWh –38%</td>
<td>–5,662 kWh –34%</td>
<td>–6,204 kWh –37%</td>
</tr>
<tr>
<td><strong>Operating mode</strong></td>
<td>Stop-&amp;-go operation</td>
<td>Slow-speed operation</td>
<td>Stop-and-go and slow-</td>
</tr>
<tr>
<td></td>
<td>with ECO power feature:</td>
<td>with ECO power feature:</td>
<td>speed operation with</td>
</tr>
<tr>
<td></td>
<td>Moving walk stops when no passengers are on it</td>
<td>Moving walk slows down when no passengers are on it</td>
<td>ECO power feature:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Moving walk stops after an adjustable time running in slow speed.</td>
</tr>
<tr>
<td><strong>Application</strong></td>
<td>Intermittent flow including periods of zero passenger flow</td>
<td>Intermittent flow including periods of zero passenger flow</td>
<td>Intermittent flow including periods of zero passenger flow</td>
</tr>
</tbody>
</table>
| **Benefits**            | • Power consumption reduced by up to 36%  
                          | • Reduced power plant CO₂ emissions  
                          | • Increased moving walk lifespan |  
                          | • Passenger flow maintained, as moving walk is in motion when passengers are approaching it  
                          | • Power consumption reduced by up to 32%  
                          | • Reduced wear & tear on components |  
                          | • Passenger flow maintained, as moving walk is in motion when passengers are approaching it  
                          | • Power consumption reduced by up to 35%  
                          | • Reduced wear & tear on components  
                          | • 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    |

* ) Values based on theoretical calculations for one Schindler 9500AE inclined moving walk. Average value for up and down operated moving walk pair: 4.5 m, pallet width: 1000 mm. Speed: 0.5 m/s. Load profile: 11 hours per day, 365 days per year. 2.5 hrs – 0%. 7 hrs – 25%. 1 hr – 50%. 0.5 hr – 75%. 0 hr – 100%.

| Standard operating mode: 16,582 kWh, 100% continuous running |
| Amortization depends on national energy 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.

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.
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

INCOMING
• Check components from suppliers
  • Standard check
  • Random check

ASSEMBLY
• Truss check
• Mechanical check
• Inspection station
• Electrical check

FINAL AND OUTGOING
• Packing check

SUPPLIER QUALITY MANAGEMENT
• Choose qualified suppliers
• Trial manufacture
• Industrialization
• Support suppliers’ ongoing development

TOTAL QUALITY MANAGEMENT

CUSTOMER SATISFACTION
• 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.

<table>
<thead>
<tr>
<th>Pallet</th>
<th>Inner/outer decking</th>
<th>Comb</th>
<th>Floor cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum, natural finish</td>
<td>Natural with yellow painted demarcations</td>
<td>Aluminum, powder-coated, RAL 9006</td>
<td>Aluminum, natural finish</td>
</tr>
<tr>
<td>Silver</td>
<td>Black with yellow painted demarcations</td>
<td>Aluminum, powder-coated, RAL 1013</td>
<td>Stainless steel, square pattern</td>
</tr>
<tr>
<td>Black</td>
<td>Grip+</td>
<td>Aluminum, powder-coated, RAL 7030</td>
<td>Aluminum, powder-coated, yellow</td>
</tr>
<tr>
<td>Stainless sheet steel</td>
<td>Full-color polycarbonate comb</td>
<td>Stainless sheet steel</td>
<td>Aluminum, lined pattern</td>
</tr>
</tbody>
</table>
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.
PROJECT: Daning International Commercial Plaza
Location: Shanghai, China
Units: 12
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 Grip+ vs Other brands

<table>
<thead>
<tr>
<th>Type of surface</th>
<th>Schindler Grip+</th>
<th>Other brands</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smooth surface with micro-grip</td>
<td></td>
<td>Rough surface or rubber surface</td>
</tr>
<tr>
<td>Technology</td>
<td>High-speed spray</td>
<td>- Molecular aluminum coating</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Electric arc spray</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Die-casting/grooves in the pallet</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Cold vulcanization</td>
</tr>
<tr>
<td>Coating material</td>
<td>Carbid</td>
<td>- Aluminum</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Aluminum-silicone alloy</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Rubber in the grooves</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Rubber</td>
</tr>
<tr>
<td>Operating lifespan</td>
<td>10 years</td>
<td>- 6–12 months</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Manufacturers’ claim: 3–6 years</td>
</tr>
<tr>
<td>Summary</td>
<td>Long lifespan; pallets can be replaced quickly with minimum downtime</td>
<td>- Short lifespan</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Low slip resistance</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Replacing pallets is costly and time-consuming</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Higher maintenance costs</td>
</tr>
</tbody>
</table>

### Recommended applications for Grip+

**Indoors**
- The moving walk is situated near an exit and is exposed to the elements.
- The moving walk is situated near the entrance or exit of a car park and is exposed to the elements.
- The moving walk has an incline of 12° or more.

**Outdoors**
- The moving walk is exposed to the elements.
- (Covered and uncovered)
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 11 12</td>
<td>9.3</td>
<td>0.5 0.65</td>
<td>Indoor Outdoor covered Outdoor</td>
</tr>
<tr>
<td></td>
<td>10 11 12</td>
<td>7.5</td>
<td>0.5 0.65</td>
<td>Indoor Outdoor covered Outdoor</td>
</tr>
<tr>
<td>1,000</td>
<td>10 11 12</td>
<td>7.5</td>
<td>0.5 0.65</td>
<td>Indoor Outdoor covered Outdoor</td>
</tr>
<tr>
<td>1,100</td>
<td>10 11 12</td>
<td>7.5</td>
<td>0.5 0.65</td>
<td>Indoor Outdoor covered Outdoor</td>
</tr>
</tbody>
</table>

Interactive configuration with SchindlerDraw

For project-specific configurations we recommend SchindlerDraw, the interactive online configuration tool available at www.schindler.com.

Continuous arrangement (one-way traffic)

Interrupted arrangement (one-way traffic)

Parallel interrupted arrangement (two-way traffic)

Criscross continuous arrangement (two-way traffic)
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 9500 Advanced Edition
Type 10

Rise: max. 7.5 m at a pallet width of 1,000 mm
Balustrade: design E

Pallet width: 800 / 1,000 / 1,100 mm
Horizontal pallet run: 400 mm

Balustrade height: 900 / 1,000 mm
Inclination: 10° / 11° / 12°

Transportation dimensions

<table>
<thead>
<tr>
<th>Pallet width</th>
<th>800</th>
<th>1,000</th>
<th>1,100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight (kN)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supp. loads (kN)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight (kN)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supp. loads (kN)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1) Calculated on the basis of a deflection of L / 750.
2) Support loads for two intermediate supports on request.
3) Dimensions for balustrade height of 1,000.
4) Free spaces, overhead clearance, safety clearance, ceiling deflectors, wedging guards, and protective barriers according to national regulations (optional supply by Schindler).

All dimensions in mm. Observe national regulations! Subject to changes.

INT = intermediate support(s)
Schindler 9500 Advanced Edition
Type 15

Rise: max. 7.5 m at a pallet width of 1,000 mm
Balustrade: design E

Balustrade height: 900 / 1,000 mm
Inclination: 10° / 11° / 12°

Pallet width: 800 / 1,000 / 1,100 mm
Horizontal pallet run: 400 mm

Translation dimensions

Pallet width A=800

<table>
<thead>
<tr>
<th>Inclination</th>
<th>Rise H mm</th>
<th>Length L mm</th>
<th>Transp. dimensions in one part</th>
<th>Weight (kN)</th>
<th>Supp. loads (kN)</th>
<th>Weight (kN)</th>
<th>Supp. loads (kN)</th>
<th>Weight (kN)</th>
<th>Supp. loads (kN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10°</td>
<td>5,000</td>
<td>21,131</td>
<td>G 59 41 46 51 56 100 99 45 54 47 41 117 103 47 56 50 44 126</td>
<td></td>
<td></td>
<td>G 59 41 46 51 56 100 99 45 54 47 41 117 103 47 56 50 44 126</td>
<td></td>
<td></td>
<td>G 59 41 46 51 56 100 99 45 54 47 41 117 103 47 56 50 44 126</td>
</tr>
<tr>
<td></td>
<td>4,000</td>
<td>26,802</td>
<td>G 59 41 46 51 56 100 99 45 54 47 41 117 103 47 56 50 44 126</td>
<td></td>
<td></td>
<td>G 59 41 46 51 56 100 99 45 54 47 41 117 103 47 56 50 44 126</td>
<td></td>
<td></td>
<td>G 59 41 46 51 56 100 99 45 54 47 41 117 103 47 56 50 44 126</td>
</tr>
<tr>
<td></td>
<td>3,000</td>
<td>32,473</td>
<td>G 59 41 46 51 56 100 99 45 54 47 41 117 103 47 56 50 44 126</td>
<td></td>
<td></td>
<td>G 59 41 46 51 56 100 99 45 54 47 41 117 103 47 56 50 44 126</td>
<td></td>
<td></td>
<td>G 59 41 46 51 56 100 99 45 54 47 41 117 103 47 56 50 44 126</td>
</tr>
<tr>
<td>12°</td>
<td>3,000</td>
<td>17,849</td>
<td>G 59 41 46 51 56 100 99 45 54 47 41 117 103 47 56 50 44 126</td>
<td></td>
<td></td>
<td>G 59 41 46 51 56 100 99 45 54 47 41 117 103 47 56 50 44 126</td>
<td></td>
<td></td>
<td>G 59 41 46 51 56 100 99 45 54 47 41 117 103 47 56 50 44 126</td>
</tr>
<tr>
<td></td>
<td>4,000</td>
<td>22,553</td>
<td>G 59 41 46 51 56 100 99 45 54 47 41 117 103 47 56 50 44 126</td>
<td></td>
<td></td>
<td>G 59 41 46 51 56 100 99 45 54 47 41 117 103 47 56 50 44 126</td>
<td></td>
<td></td>
<td>G 59 41 46 51 56 100 99 45 54 47 41 117 103 47 56 50 44 126</td>
</tr>
<tr>
<td></td>
<td>5,000</td>
<td>27,256</td>
<td>G 59 41 46 51 56 100 99 45 54 47 41 117 103 47 56 50 44 126</td>
<td></td>
<td></td>
<td>G 59 41 46 51 56 100 99 45 54 47 41 117 103 47 56 50 44 126</td>
<td></td>
<td></td>
<td>G 59 41 46 51 56 100 99 45 54 47 41 117 103 47 56 50 44 126</td>
</tr>
</tbody>
</table>

1) Calculated on the basis of a deflection of L / 750.
2) With a double drive, the truss must be extended by 417 mm.
3) Support loads for two intermediate supports on request.
4) Dimensions for balustrade height of 1,000.
5) Free spaces, overhead clearance, safety clearance, ceiling deflectors, wedging guards, and protective barriers according to national regulations (optional supply by Schindler).
For more information about our project references, visit www.schindler.com.
Schindler Moving Walks

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.

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 liners

From the subway to the skyline. Providing urban mobility.
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 escalators
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