Schindler 9500-20 Pitless Moving Walk

Innovate to evolve

We Elevate

Schindler

A difficult task to add a moving walk?

Changes are around us every day, driven by the need to modernize aging facilities, renovate to accommodate technological advances, or increase capacity.

Moving walks are among the most popular means to horizontally transport a large passenger flow. However, adding a moving walk to existing facilities has never been an easy task. It usually requires extensive construction work.

As flexible as you want, as adaptable as you need

The Schindler 9500-20 Pitless Moving Walk can easily fit to your project with an over 50% reduction in pit depth or even no pit at all.

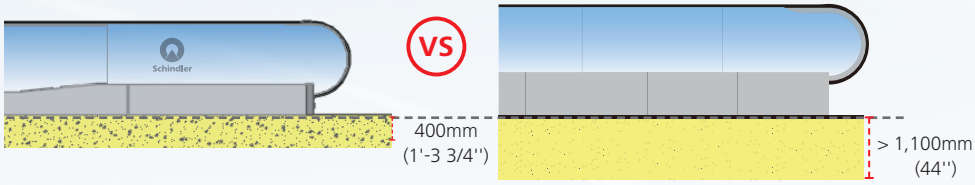
No
pit required

Pitless installation

Place the Schindler 9500-20 Pitless Moving Walk directly on the floor

Over
50%
reduction in pit depth

Less-pit installation



The Schindler 9500-20 Pitless Moving Walk requires a pit depth of only 400 (15 3/4'')

Conventional moving walk with pit depth of more than 1,100mm (44'')

Schindler 9500-20 Pitless Moving Walk
Innovative to evolve

Designed for safety

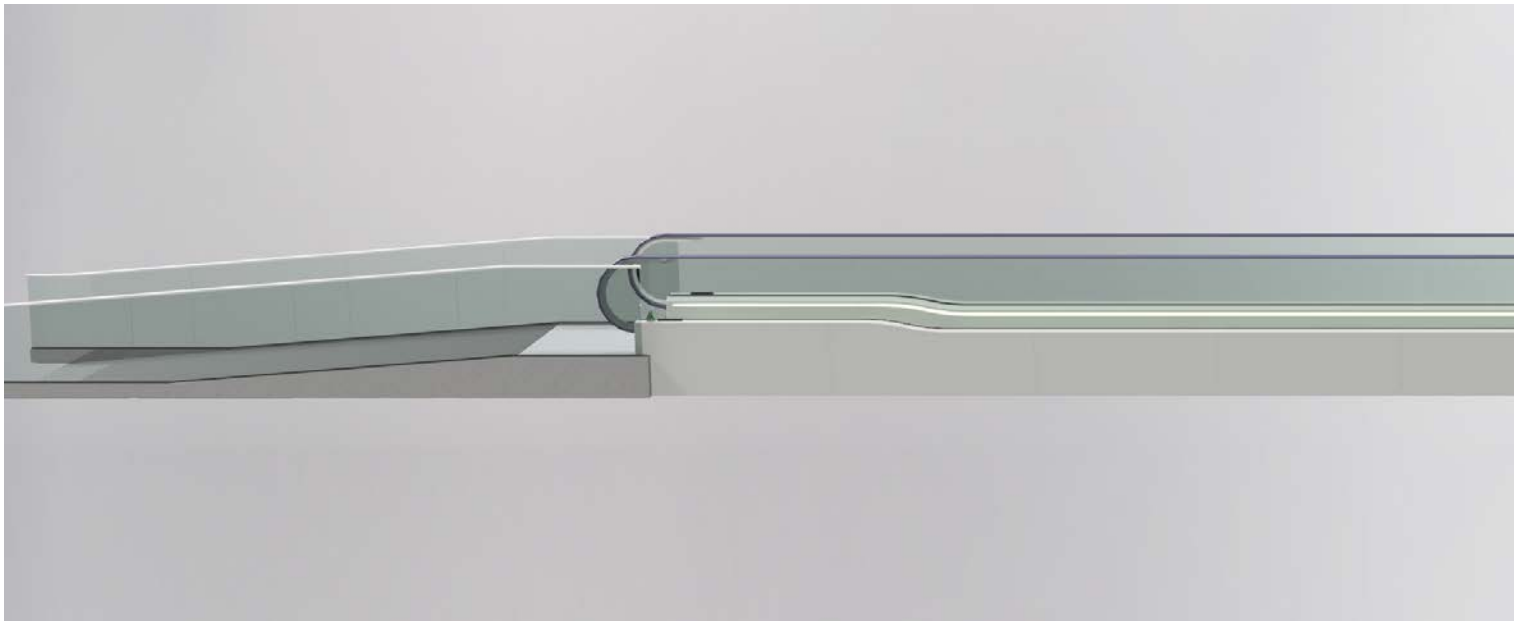
Designed for pleasant ride quality

Designed for superb performance

Designed for immediate readiness

Elegant look & everlasting design

Cutting-edge digital tools

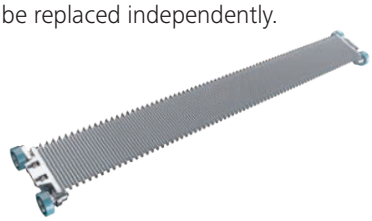


Designed for safety

The Schindler 9500-20 Pitless Moving Walk is engineered to help assure passenger safety, setting the industry standard with top-quality components.

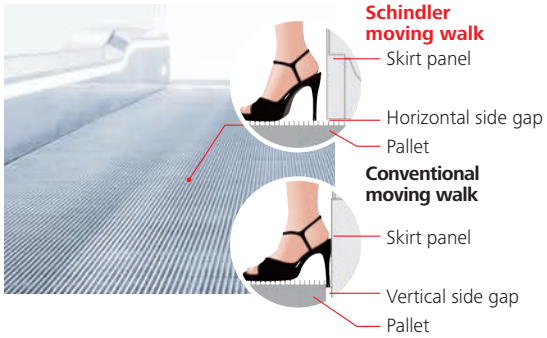
Schindler pallet

- Schindler-made pallet with tread surface that provides excellent anti-slip performance.
- Its monoblock design far exceeds the breaking load required by global prevailing standards (such as ASME A17.1/CSA B44 and EN115-1 codes).
- Dedicated pallet chains located outside the pallets, allow the pallets to be removed from the pit without disassembling any balustrade element as well as allow maintenance gap without the need of any special pallet. Both pallets and pallet chains can be replaced independently.

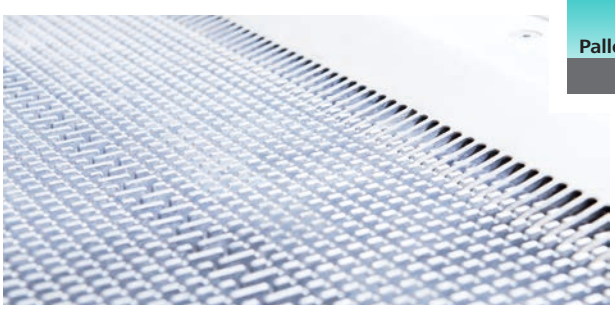


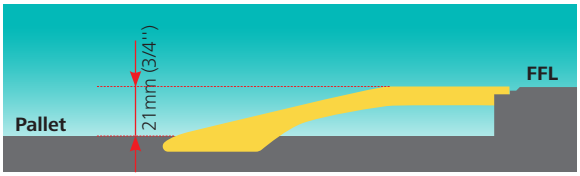
Pallets run underneath the skirting panels

- The unique Schindler design with vertical side gaps eliminates the risk of pinching and wedging.

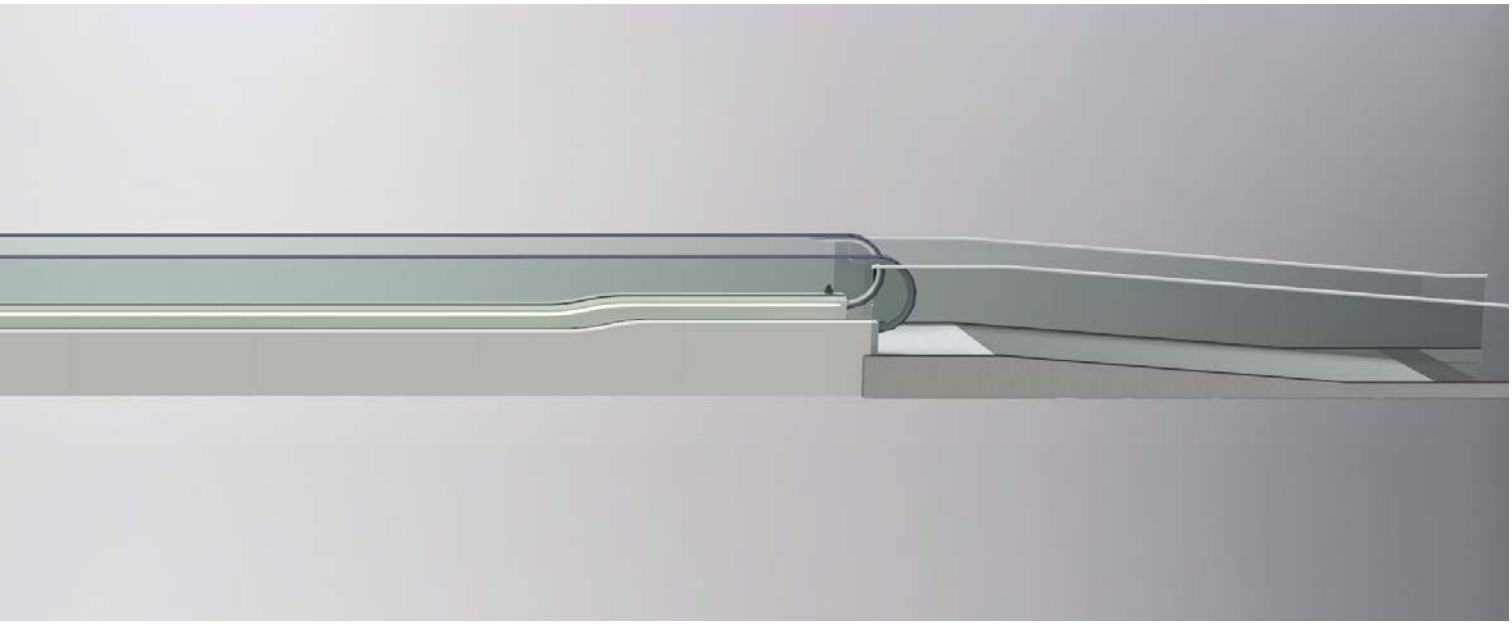


Reduced combplate height





- The offset between pallet surface and combplate (or "finished floor level" as indicated in the graphic) is reduced to only 21 mm (3/4''). This minimizes the tripping risk, especially for passengers with reduced mobility or carrying luggage.

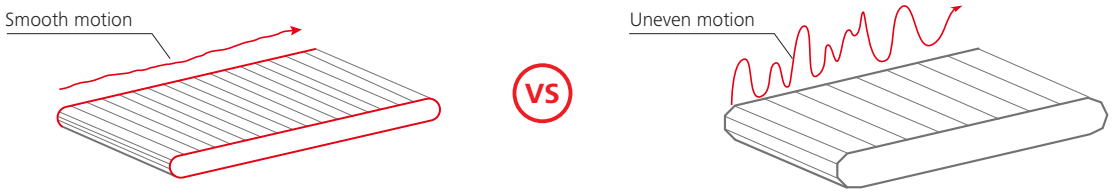


Designed for pleasant ride quality

Smooth and quiet operation

The Schindler 9500-20 Pitless Moving Walk provides a smooth and silent travel experience to the passenger. The unique compact design of short pallets and track blocks neutralizes the polygon effect responsible for excessive jerking, and the innovative handrail drive system provides an exceptionally quiet operation.

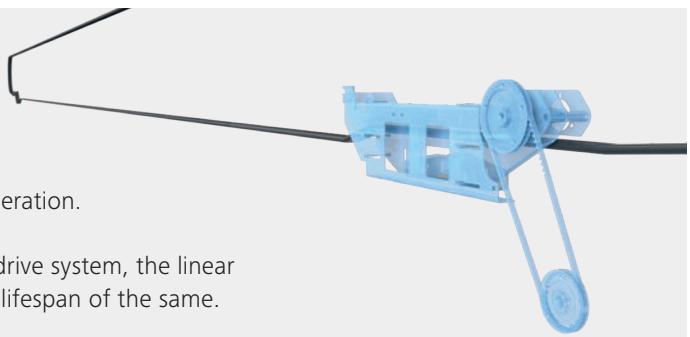
Unique technology to neutralize the polygon effect



Schindler solution
Short pallets and special track blocks significantly reduce the size of pallet turn-around. This offsets the polygon effect resulting in an outstandingly smooth travel experience. This in conjunction with a conventional pulling on the pallets chains and pallets, helps assure a robust and reliable solution for driving the pallets.

Conventional design
Longer pallet turn-around causes pallets tremble up and down due to uneven motion of the chain created from polygonal contacts.

The innovative linear handrail drive



The belt-driven linear handrail combines space-saving design with the proven pressure belt technology.
By reducing vibrations and friction, it delivers ultra-quiet operation.

By eliminating tight turns and small radius on the handrail drive system, the linear handrail drive is easier on the handrail resulting in a longer lifespan of the same.

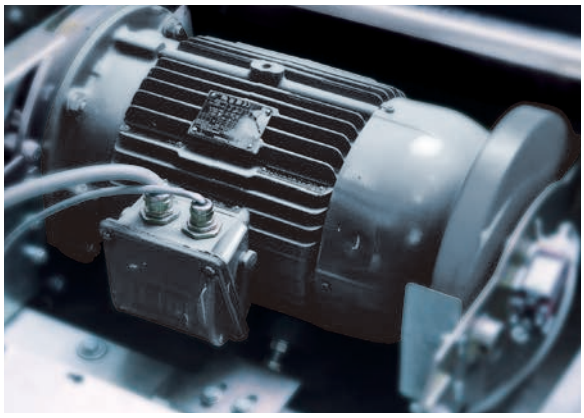
Designed for superb performance

High energy efficiency and reliability

Compared with conventional products, the Schindler 9500-20 Pitless Moving Walk delivers superior energy efficiency with its IE3 high-efficiency motor. The product achieves an A+++ rating in accordance with ISO 25745-3. Moreover, the shaft drive system proves to be sturdy and reliable, rendering high performance over the entire product service lifetime. The Schindler 9500-20 Pitless Moving Walk is designed for full reversibility within the design limits.

IE3 high-efficiency motor

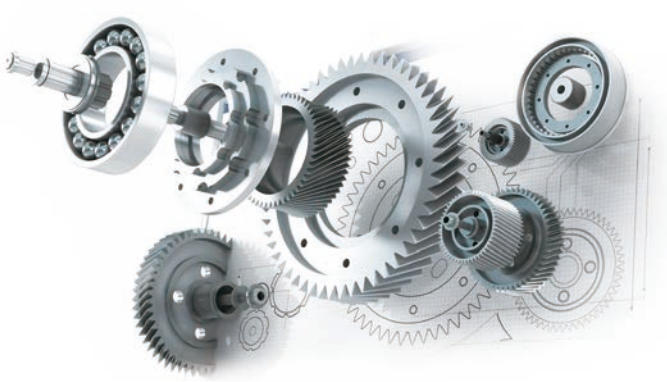
Horizontally mounted, the IE3 motor not only succeeds in saving space, but also achieves the highest energy efficiency level according to ISO 25745-3.



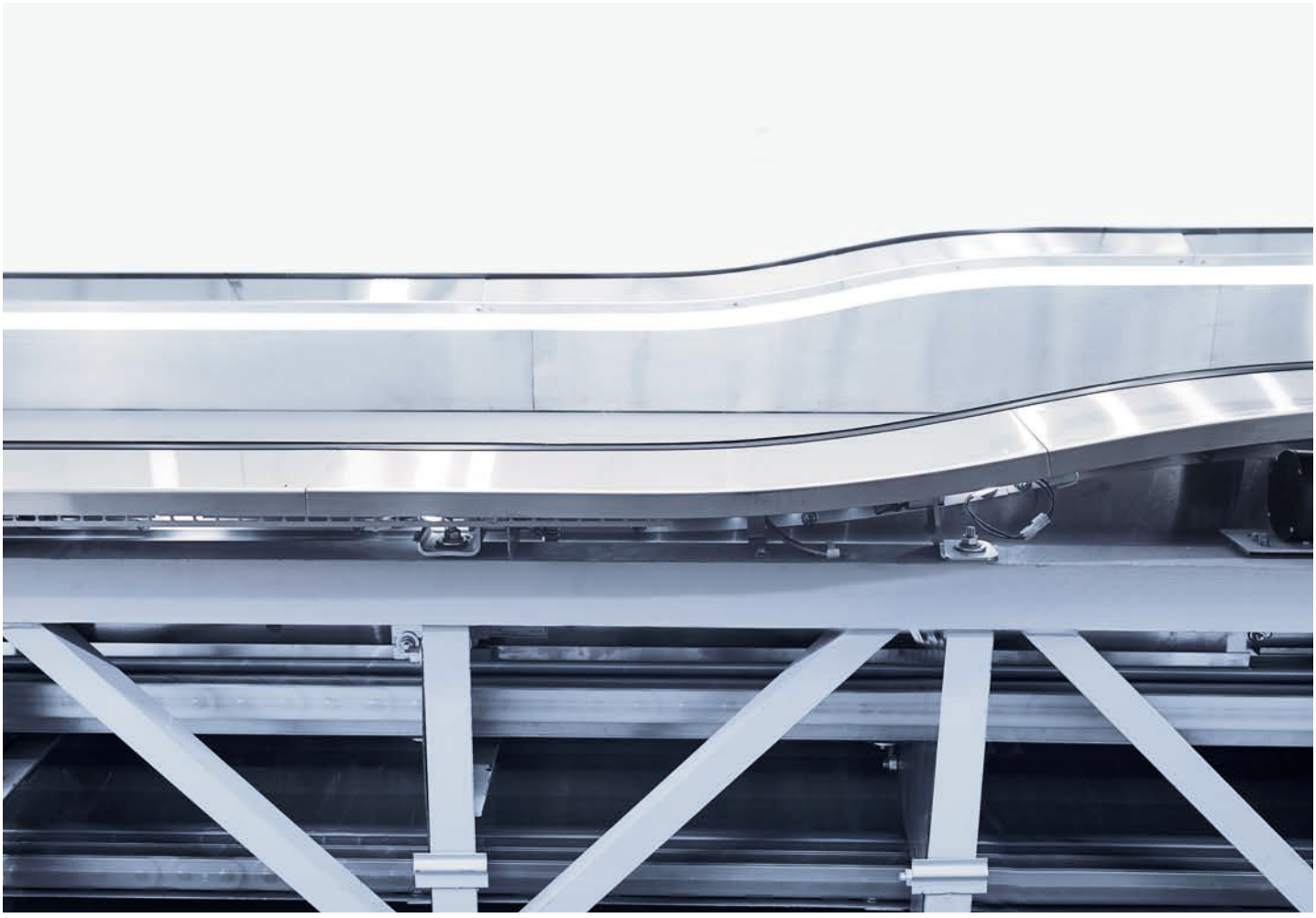
Innovative and reliable chainless design

Compared to conventional chain drives, Schindler's innovative direct drive system is much sturdier and smoother during operation.

The powerful drive unit provides outstanding performance over the entire product service life, thanks to the integrated excellent protection and lubrication.



*This is a generic presentation picture. It is not equivalent to the assembly and structure of the gear.



Designed for immediate readiness

Preassembled lattice-girder truss modules

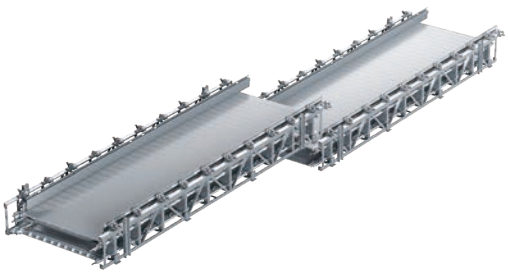
17'-9'' (5.4m) long standard-size modules

The standard-sized modules are optimized for efficient and economic transportation and handling on the building site.

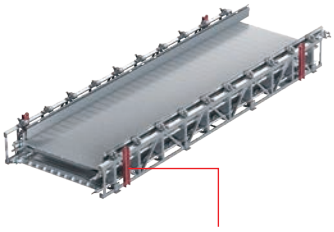
17'-9'' (5.4m) long modules with preassembled elements help ensure fast and accurate installation, reducing costs and downtime on site. Pallet tracks and trusses are independent from one another allowing maximum flexibility during installation.

Connection of the modules and on-site installation is easy and efficient due to compact dimensions and lightweight truss structure.

Lattice girder full-size truss design consists of L-shaped and C-shaped steel profiles welded and certified for a 1/1000 truss deflection design. This is the same reliable and robust truss design used in conventional moving walks and allows for truss corrosion protection including hot-dip galvanization for outdoor configurations.



17'-9'' (5.4m)-long preassembled truss



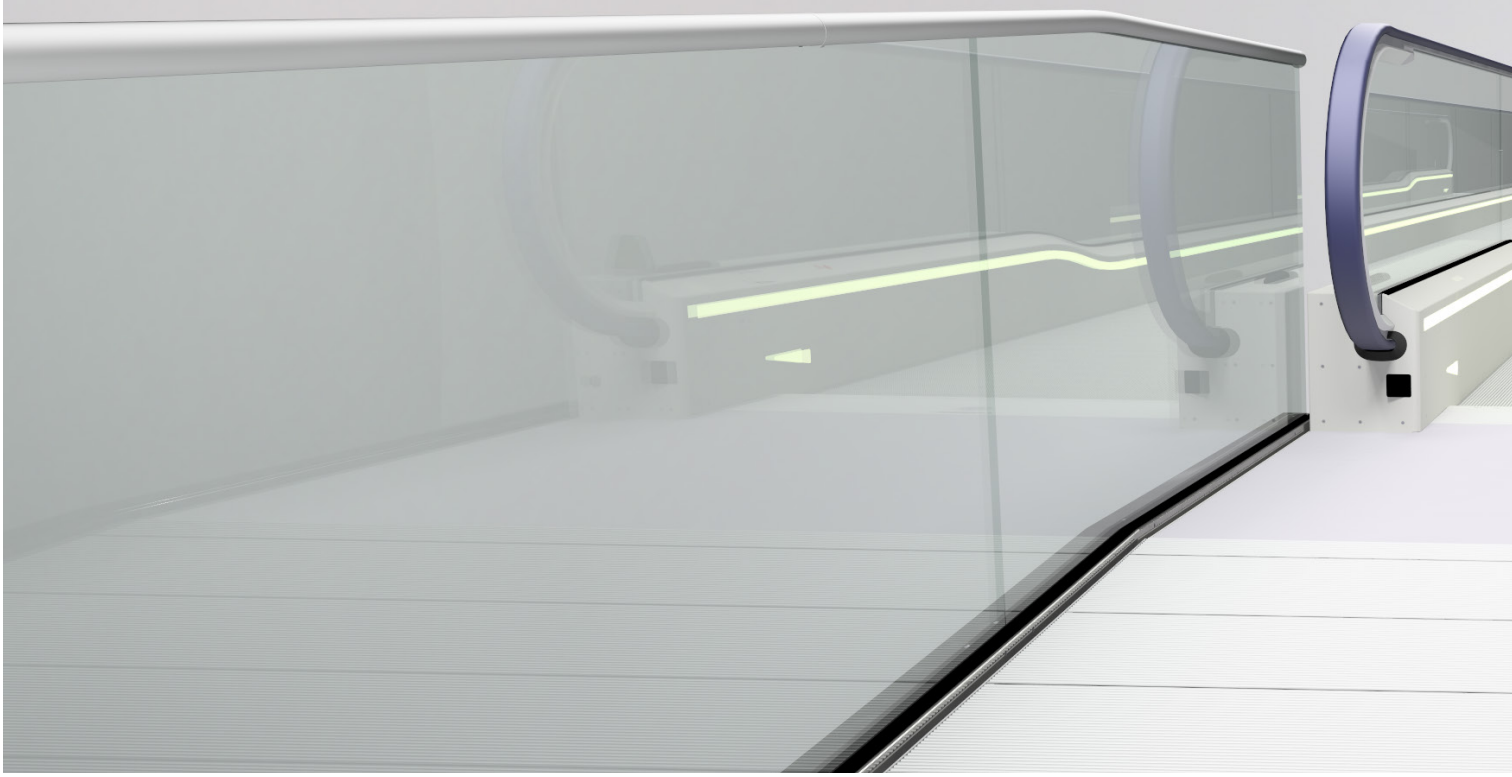
Preinstalled lifting aid

Elegant look & everlasting design

The Schindler 9500-20 Pitless Moving Walk features a modern exterior design. Its timeless appearance allows easy integration with various architectural styles in airports, metro and railway stations, museums, exhibition centers, and more.

TYPICAL APPLICATIONS

- Airport
- Metro & railway station
- Museum
- Exhibition center



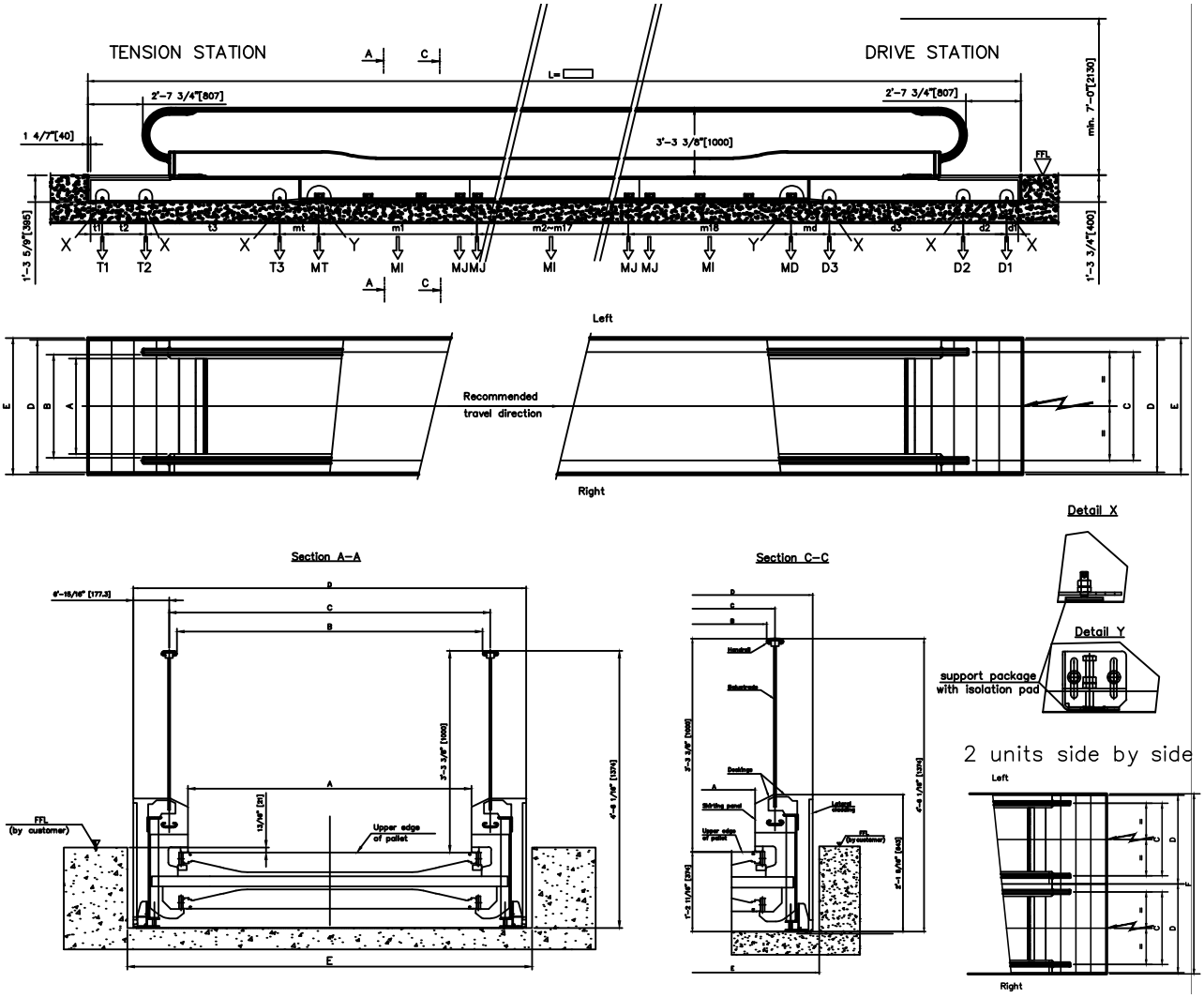
*Optional ramp for pitless installation is available

Schindler 9500
Type 20

Less-pit installation

Transportation length: max. 328'-0"[100m]
at an inclination of 0°
Balustrade: design E (Glass)

Balustrade height (from pallet): 3'-3 3/8"[1000mm]
Pallet width: 40"[1000mm] /48"[1200 mm]"/56"[1400mm]"
Speed: 100fpm (0.5 m/s) / 130fpm (0.65 m/s)



MW Dimensions / ft-In (mm)			
A: Pallet width	40" (1000)	48" (1200)	56" (1400)
B: Width between handrails	3'-8" (1117)	4'-3 7/8" (1317)	4'-11 3/4" (1517)
C: Handrail center distance	3'-11" (1194)	4'-6 7/8" (1394)	5'-2 3/4" (1594)
D: Moving walk width	5'-1" (1548)	5'-8 3/4" (1748)	6'-4 5/8" (1948)
E: Width of pit	5'-3 3/8" (1608)	5'-11 1/4" (1808)	6'-7" (2008)
F: Width of pit (2 units side by side)	10'-4 1/4" (3156)	11'-8" (3556)	12'-11 3/4" (3956)

Max. support loads / kips (KN) Reaction loads are split equally over left & right support			
Pallet width(mm)	40" (1000)	48" (1200)	56" (1400)
T1	0.9/4	0.9/4	1.1/5
T2	2.7/12	3.1/14	3.3/15
T3	2.4/11	2.7/12	3.1/14
D1	0.9/4	3.1/14	3.1/14
D2	3.1/14	3.6/16	4.0/18
D3	2.7/12	3.3/15	3.6/16
MT	1.8/8	2.2/10	2.4/11
MI	2.7/12	3.1/14	3.6/16
MJ	1.8/8	2.2/10	2.4/11
MD	1.8/8	2.2/10	2.4/11

Support distance / ft-In (mm) valid for horizontal installation	
T1	4 3/4" (120)
T2	2'-5" (735)
T3	6'-2" (1878)
MT	2' 3/4" (631)
D1	4 3/4" (120)
D2	2'-5" (735)
D3	6'-2" (1878)
MD	1'-11 5/8" (599)
M1~M18 (min)	4'-5 1/8" (1350)
M1~M18 (max)	17'-8 5/8" (5400)

*Holes for dowels are determined according to the feet of the truss.
The reaction loads F, G, H are equally distributed among the supports on the left and right side.
For expansion joints, details must be coordinated with factory.

– All dimensions are in mm and ft.-in.
– All loads in KN and kips.
– Observe national regulations.
– Data subject to change.
– Please consult with your Schindler representative prior to designing.

Schindler 9500
Type 20

Pitless installation

Transportation length: max. 328'-0"[100m]
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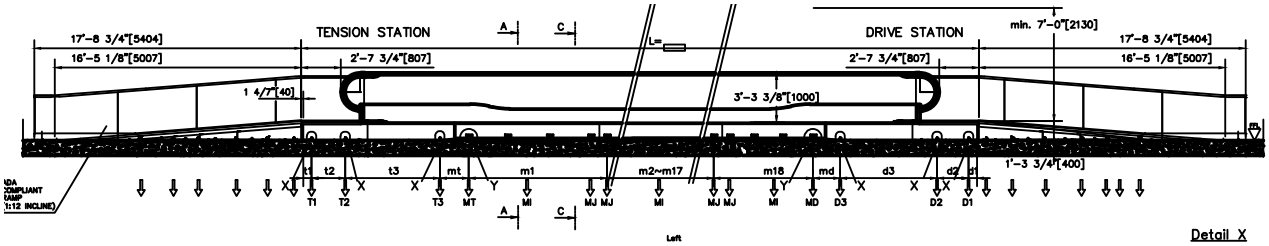
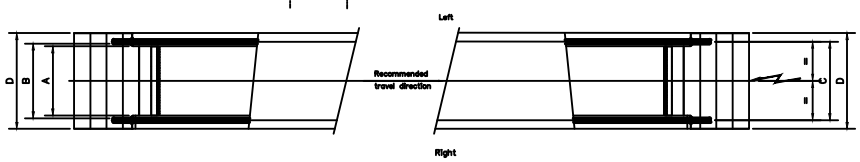
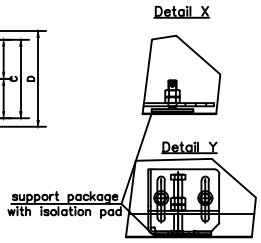
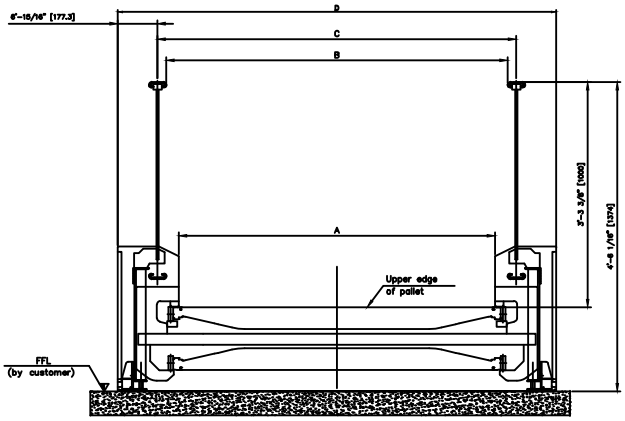


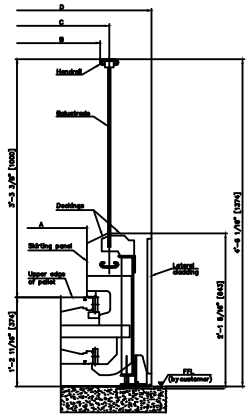




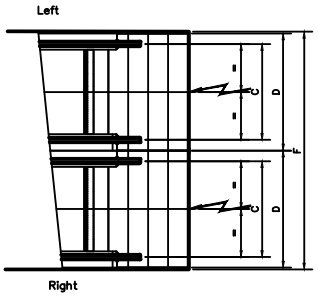
Section A–A



Section C–C



2 units side by side



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D: Moving walk width	5'-1" (1548)	5'-8 3/4" (1748)	6'-4 5/8" (1948)
E: Width of pit	N/A	N/A	N/A
F: Width of pit (2 units side by side)	10'-2" (3096)	11'-5 5/8" (3496)	12'-9 3/8" (3896)

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D2	3.1/14	3.6/16	4.0/18
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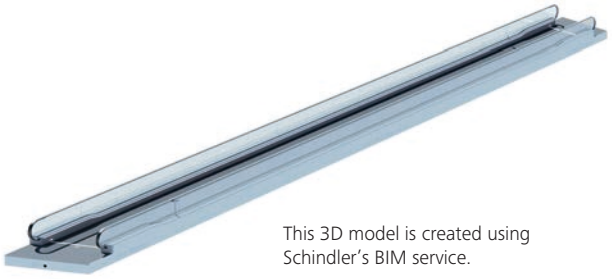
Schindler Escalators

You know where to find us. We look forward to seeing you.

The Schindler 9500-20 Pitless Moving Walk BIM model is available at LOD 300, providing a high level of clarity and reliability to support various stages in the design and construction process.

Schindler's BIM service

Building Information Modeling, also known as BIM, is a highly collaborative process that allows multiple stakeholders and AEC (architecture, engineering, construction) professionals to collaborate on building planning, design, and construction within a single 3D model.



This 3D model is created using Schindler's BIM service.

DigiPara Elevatorarchitect plug-in for Autodesk Revit

DigiPara Elevatorarchitect is a free plug-in to create 3D BIM models of elevators and escalators within Autodesk Revit. By downloading and installing it from the Autodesk App store, you can import Schindler escalators and moving walking into your Revit building.

9500 BRO WF8 0824

For more information, including the location of the Schindler office nearest you, please visit:

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Tel. 973.397.6500
www.schindler.com

Canada Headquarters. Toronto, Ontario
Tel. 416.332.8280

We Elevate

Schindler has received renewal to ISO 9001 and ISO 14001 certificates.

Schindler prints with vegetable-based ink on paper containing post-consumer waste fiber.