



JETWAY® STEEL WALLED PEDESTAL PASSENGER BOARDING BRIDGE



SPECIFICATIONS

GENERAL ARRANGEMENTS

The Airport Equipment Steel Walled Pedestal Bridge is designed to extend from an elevated terminal departure lounge doorway to an aircraft boarding door. Passengers walk in protection from atmospheric conditions, aircraft engine blast, and blown dust.

Major components include: Tunnel A which adjoins the terminal structure; the Single or Dual Motor Lift Column Assembly; Tunnel B which is hinged to Tunnel A; Tunnel C which slides in and out to reach the aircraft; and the Cab Section which docks with the aircraft. The Pedestal Bridge is equipped with a service door, landing and stairs which allow easy access to the apron.

The Pedestal Bridge consists of the following (in order progressing from the terminal towards the aircraft):

1. Fixed Walkway (may be required)
2. Fixed Tunnel A
3. Hinged Tunnel B
4. Sliding Tunnel C
5. Lift Column
6. Service Door, Landing and Stairs
7. Cab and Aircraft Closure

DESIGN PARAMETERS

Minimum dimensions for all Pedestal Bridges are as follows:

Tunnels

Tunnel A	Width 2.46m
Tunnel A	Height 2.74m
Tunnel B	Width 2.10m
Tunnel B	Height 2.47m
Tunnel C	Width 1.79m
Tunnel C	Height 2.13m

Interior Cab

Interior Cab	Width 3.10m
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Cab Weather Door

Weather Door	Width 1.12m
Weather Door	Height 2.08m

SERVICE DOOR, LANDING AND STAIRS

A service door, landing and stairs are normally situated in one of two positions on the SPS and four positions on the LPS.

Models SPS 18/23 HC to SPS 31/38 HC

1. Rear entry to Tunnel A (standard)
2. Side entry to Tunnel A

Models LPS 35/45 HC to LPS 107/117 HC

1. Left Side to Tunnel C (standard)
2. Right Side to Tunnel C
3. Rear entry to Tunnel A
4. Side entry to Tunnel A

MODELS

There are 24 models of Pedestal Bridge:

Small Series (SPS) — 5 models

Large Series (LPS) — 19 models

The basic difference between the series is the distance of travel of Tunnel C. All SPS model bridges are equipped with a single vertical drive column and all LPS are equipped with dual vertical drive columns.

SPS 18/23 HC	LPS 63/73 HC
SPS 22/27 HC	LPS 67/77 HC
SPS 23/30 HC	LPS 71/81 HC
SPS 27/34 HC	LPS 75/85 HC
SPS 31/38 HC	LPS 79/89 HC
LPS 35/45 HC	LPS 83/93 HC
LPS 39/49 HC	LPS 87/97 HC
LPS 43/53 HC	LPS 91/101 HC
LPS 47/57 HC	LPS 95/105 HC
LPS 51/61 HC	LPS 99/109 HC
LPS 55/65 HC	LPS 103/113 HC
LPS 59/69 HC	LPS 107/117 HC

OPERATIONAL CHARACTERISTICS

Cab rotation: 30° (15° ccw / 15° cw)

Cab rotation speed 138°/min

Vertical rate of travel:

1.1m/min Single or Dual Column

Horizontal rate of travel:

5.49m/min (Tunnel C)

Total horizontal travel range: 3.05 m

Total vertical travel range: 1.52m

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