



# JETWAY® STEEL WALLED ELEVATING PASSENGER BOARDING BRIDGE



# SPECIFICATIONS

## GENERAL ARRANGEMENTS

The Airport Equipment Steel Walled Elevating Boarding 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.

The bridge is fixed to the apron at the lift columns but able to pivot at the terminal end. The bridge travels vertically and extends horizontally about an axis perpendicular to the aircraft centerline.

Elevating boarding bridges can service all aircraft depending on the configuration of the stop bar positions.

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

- A. Support Column
- B. Tunnel Sections
- C. Lift Column
- D. Service Door, Landing
- E. Cab Bubble, Cab, and Aircraft Closure

## DESIGN PARAMETERS

Minimum dimensions for all Elevating Bridges are as follows:

Tunnels	Interior Cab	Cab Weather Door
Width 1.5m	Width 3.10m	Width 1.12m
Height 2.13m		Height 2.08m

## SERVICE DOOR, LANDING AND STAIRS

A service door, landing and stair provide apron access to and from the bridge for authorized personnel. This access is available either at the standard location on the right side of Tunnel C, or at the alternate location at the rear of Tunnel C.

### SELF-ADJUSTING STAIR RISERS

Minimum Tread Width	0.71m
Minimum tread Depth	0.24m
Clear width between handrails	0.81m
Door Opening Width	0.76m
Door Opening Height	2.01m
Landing Illumination	Outdoor Rated

## MODELS

There are 26 models of Elevating Bridge. The difference between models is given by the distance between the pivots of the 'A' tunnel at the terminal building and the pivot between the 'A' and 'C' tunnels at the aircraft end.

Standard models are:

E40	E54	E68	E82
E42	E56	E70	E84
E44	E58	E72	E86
E46	E60	E74	E88
E48	E62	E76	E90
E50	E64	E78	
E52	E66	E80	

Models are designated 'E' for Elevating followed by the distance between pivot points in feet. For example, E40 is an elevating bridge with 40' (12.2mtr) between pivots.

All models have a twin drive vertical lift column.

## OPERATIONAL CHARACTERISTICS

Cab rotation: 30° (15° ccw / 15° cw)

Cab rotation speed 138°/min

Vertical rate of travel:  
1.1m/min

Horizontal rate of travel:  
5.49m/min (Tunnel C)

Total horizontal travel range: 3.05 m

Total vertical travel range: 3.05m

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