



JETWAY® STEEL WALLED APRON DRIVE PASSENGER BOARDING BRIDGE



GENERAL ARRANGEMENTS

The Airport Equipment Steel Walled Apron Drive 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 Apron Drive Bridge consists of the following (in order progressing from the terminal towards the aircraft):

- A. Rotunda and Corridor
- B. Tunnel Sections
- C. Drive Column
- D. Service Door, Landing
- E. Cab Bubble, Cab, and Aircraft Closure

MODELS

Airport Equipment offers a range of Apron Drive Bridge models. Models are grouped into two categories:

- A: Two Tunnel
- B: Three Tunnel

Bridge models can serve any commercial jet aircraft in operation today. The elevation of the rotunda (to match the height of the terminal departure lounge doorway) could affect the ability of the bridge to serve all aircraft. For this reason Airport Equipment suggests discussing the specifics of your application with us.

Bridge models are determined by the measured length of the bridge from the center of the rotunda to the end of the cab spacer at full retraction and full extension. The AT2 46/65 model, for example, is a two tunnel Apron Drive measuring 46 feet at full retraction and 65 feet at full extension.

Two-Tunnel Models:*

Model	Fully Extended	Fully Retracted	Travel	Operational Extension	Operational Retraction
AT2 41/55	55.000' (16.764m)	40.104' (12.224m)	14.496' (4.418m)	40.236' (12.264m)	32.302' (9.846m)
AT2 46/65	65.000' (19.812m)	45.104' (13.748m)	19.496' (5.942m)	50.236' (15.312m)	37.302' (11.370m)
AT2 51/75	75.000' (22.860m)	50.104' (15.272m)	24.496' (7.467m)	60.236' (18.360m)	42.302' (12.894m)
AT2 56/85	85.000' (25.908m)	55.104' (16.796m)	29.496' (8.990m)	70.236' (21.408m)	47.302' (14.418m)
AT2 61/95	95.000' (28.956m)	60.104' (18.320m)	34.496' (10.514m)	80.236' (24.456m)	52.302' (15.942m)
AT2 66/105	105.000' (32.004m)	65.104' (19.844m)	39.496' (12.038m)	90.236' (27.504m)	57.302' (17.466m)
AT2 72/116	116.000' (35.357m)	71.104' (21.673m)	44.496' (13.562m)	101.236' (30.857m)	63.302' (19.294m)
AT2 77/126	126.000' (38.405m)	76.104' (23.197m)	49.496' (15.086m)	111.236' (33.905m)	68.302' (20.818m)
AT2 82/136	136.000' (41.453m)	81.104' (24.721m)	54.496' (16.610m)	121.236' (36.953m)	73.302' (22.342m)
AT2 88/147	147.000' (44.806m)	87.104' (26.549m)	59.496' (18.134m)	132.236' (40.306m)	79.302' (24.171m)

Three-Tunnel Models:*

Model	Fully Extended	Fully Retracted	Travel	Operational Extension	Operational Retraction
AT3 42/70	70.629' (21.528m)	41.015' (12.501m)	28.614' (8.722m)	55.766' (16.997m)	33.713' (10.276m)
AT3 47/85	85.629' (26.100m)	46.015' (14.025m)	38.614' (11.770m)	70.766' (21.569m)	38.713' (11.800m)
AT3 52/100	100.629' (30.672m)	51.015' (15.549m)	48.614' (14.818m)	85.766' (26.141m)	43.713' (13.324m)
AT3 58/116	116.629' (35.549m)	57.015' (17.378m)	58.614' (17.866m)	101.766' (31.018m)	49.713' (15.512m)
AT3 61/127	127.129' (38.749m)	60.515' (18.445m)	65.614' (19.999m)	112.266' (34.219m)	53.213' (16.219m)
AT3 65/133	133.629' (40.730m)	64.015' (19.512m)	68.614' (20.914m)	118.766' (36.200m)	56.713' (17.286m)
AT3 68/144	144.129' (43.931m)	67.515' (20.579m)	75.614' (23.047m)	129.266' (39.400m)	60.213' (18.353m)
AT3 72/150	150.629' (45.912m)	71.015' (21.645m)	78.614' (23.962m)	135.766' (41.381m)	63.713' (19.420m)

DESIGN PARAMETERS

Minimum dimensions for all Apron Drive Bridges

Rotunda Interface Width 4'4" (1.32m) Height 7'7" (2.13m)

TUNNELS (MINIMUM "A" TUNNEL ONLY)

Floor Width	4'10" (1.47m)
Interior Height	7'0" (2.13m)
Interior Tunnel Ramp Width	4'5" (1.35m)
Interior Cab Width	10'2" (3.10m)
Cab Weather Door Width	3'7" (1.09m)
Height	7'8" (2.34m)

SERVICE DOOR, LANDING, & STAIRS

A service door, landing and stairs are situated at the end of the aerobridge to provide apron access. The right hand side of the cab bubble is standard. Other locations are available.

SELF-ADJUSTING STAIR RISERS

Minimum Tread Width	2'4" (0.71m)
Minimum tread Depth	9-1/2" (0.24m)
Clear width between handrails	2'8" (0.81m)
Door Opening Width	2'6" (0.76m)
Door Opening Height	6'7" (2.01m)
Landing Illumination	Outdoor Rated

OPERATIONAL CHARACTERISTICS

Rotunda Swing	175° (87.5° cw/87.5° ccw)
Cab Rotation	125° (92.5° cw/32.5° ccw) (optional 185° available)
Cab Rotation Speed	145° /min
Vertical Rate of Lift	1.1 m/min
Horizontal Rate of Travel	0-27 m/min

ENVIRONMENTAL CHARACTERISTICS

Bridge operations at temperatures from -40°F (-40°C) to 125°F (52°C)

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