



Jetway® A380 Apron Drive Passenger Boarding Bridge



Jetway® A380 Apron Drive Boarding Bridge Technical Specifications

General Arrangements

The Jetway® A380 Apron Drive Bridge is designed to reach the A380 lower and upper deck enabling passengers to board or exit the plane, completely protected from atmospheric conditions, aircraft engine blast, and blown dust.

The A380 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
- F. Cab and Aircraft Closure

A380 Upper Door Service

The following components are provided with the A380 upper door service option:

- Hydraulic lift columns provide necessary height for docking.
- Stabilizers on each side of the wheel carriage minimize sway (optional).
- An extended autolevel arm and sloped spacer provide proper interface with the fuselage.
- A customized canopy provides a weather tight seal against the fuselage Models.

JBT AeroTech, Jetway Systems®, offers a number of A380 Apron Drive Bridge models:

- A. Truss Two-Tunnel
- B. Truss Three-Tunnel
- C. Corrugated* Two-Tunnel
- D. Corrugated* Stretch Two-Tunnel
- E. Corrugated* Three-Tunnel

(*) Corrugated or smooth finish.

Truss Bridge Specifications

Truss Apron Drive Bridge models are determined by the measured length of the bridge from the center of the rotunda to the end of the cap spacer at full retraction and full extension. The JTA2 44/63 model, for example is a two-tunnel Apron Drive measuring 44 feet at full retraction and 63 feet at full extension.

Two-Tunnel Models:

Model	Fully Extended	Fully Retracted	Travel	Max OP Limit	Min OP Limit
JTA 2 44/63	63.05' (19.21m)	43.86' (13.37m)	19.18' (5.84m)	48.68' (14.83m)	36.06' (10.99m)
JTA 2 47/69	69.62' (21.22m)	47.15' (14.37m)	22.46' (6.84m)	55.25' (16.84m)	39.35' (11.99m)
JTA 2 51/76	76.18' (23.22m)	50.43' (15.37m)	25.74' (7.84m)	61.81' (18.84m)	42.63' (12.99m)
JTA 2 54/82	82.74' (25.21m)	53.71' (16.37m)	29.02' (8.84m)	68.37' (20.84m)	45.91' (13.99m)
JTA 2 57/89	89.30' (27.21m)	59.99' (17.32m)	32.30' (9.84m)	74.93' (22.84m)	49.19' (14.99m)
JTA 2 61/96	95.86' (29.21m)	60.27' (18.37m)	35.58' (10.84m)	81.49' (24.84m)	52.47' (15.99m)
JTA 2 64/102	102.42' (31.21m)	63.55' (19.37m)	38.86' (11.84m)	88.05' (26.83m)	55.75' (16.99m)
JTA 2 67/109	108.98' (33.21m)	66.83' (20.37m)	42.14' (12.84m)	94.61' (28.83m)	59.03' (17.99m)
JTA 2 70/115	115.50' (35.22m)	70.11' (21.37m)	45.43' (13.84m)	101.18' (30.84m)	62.31' (18.99m)
JTA 2 74/120	120.47' (36.79m)	73.39' (22.37m)	47.07' (14.34m)	106.10' (32.34m)	65.59' (19.99m)
JTA 2 77/125	125.39' (38.21m)	76.67' (23.37m)	48.71' (14.84m)	111.02' (33.84m)	68.88' (20.99m)
JTA 2 80/132	131.95' (40.28m)	79.95' (24.37m)	51.99' (15.84m)	117.58' (35.84m)	72.15' (21.99m)
JTA 2 83/138	138.51' (42.21m)	83.23' (25.37m)	55.27' (16.84m)	124.14' (37.84m)	75.43' (22.99m)
JTA 2 87/145	145.07' (44.21m)	86.51' (26.37m)	58.55' (17.84m)	130.70' (39.83m)	78.71' (23.99m)

Three-Tunnel Models:

Model	Fully Extended	Fully Retracted	Travel	Max OP Limit	Min OP Limit
JTA3 39/65	65.32' (19.91m)	38.91' (11.86m)	26.40' (8.04m)	50.95' (15.53m)	31.11' (9.48m)
JTA3 44/79	79.08' (24.10m)	43.50' (13.25m)	35.58' (10.84m)	64.72' (35.69m)	35.69' (10.88m)
JTA3 48/93	92.85' (28.30m)	48.09' (14.65m)	44.76' (13.64m)	78.49' (23.92m)	40.28' (12.28m)
JTA3 50/95	94.85' (28.91m)	50.09' (15.26m)	44.76' (13.64m)	80.49' (24.53m)	42.28' (12.88m)
JTA3 55/108	108.62' (33.10m)	54.67' (16.66m)	53.94' (16.44m)	94.25' (28.73m)	46.87' (14.28m)
JTA3 61/122	122.01' (37.19m)	60.47' (18.43m)	61.53' (18.75m)	107.65' (32.81m)	52.67' (16.05m)
JTA3 65/134	135.44' (41.28m)	64.95' (19.79m)	70.48' (21.48m)	121.07' (36.90m)	57.15' (17.49m)
JTA3 72/151	150.86' (45.98m)	71.42' (21.77m)	79.44' (24.21m)	136.50' (41.60m)	63.26' (19.39m)

Corrugated Bridge Specifications

Apron Drive Bridge models are determined by the measured length of the bridge from the center of the rotunda to the end of the cap spacer at full retraction and full extension. The A3 64/131 model, for example is a three tunnel Apron Drive measuring 64 feet at full retraction and 131 feet at full extension.

Two-Tunnel Models:

Model	Fully Extended	Fully Retracted	Travel	Max OP Limit	Min OP Limit
A2 41/56	56' 0 ^{1/2} " (17.081m)	40' 10 ^{1/2} " (12.458m)	15' 2" (4.623m)	41' 0" (12.497m)	34' 0" (10.363m)
A2 43/59	59' 0 ^{1/2} " (17.995m)	42' 10 ^{1/2} " (13.068m)	16' 2" (4.927m)	44' 0" (13.411m)	36' 0" (10.972m)
A2 45/63	63' 0 ^{1/2} " (19.214m)	44' 10 ^{1/2} " (13.677m)	18' 2" (5.537m)	48' 0" (14.630m)	38' 0" (11.582m)
A2 47/66	66' 0 ^{1/2} " (20.129m)	46' 10 ^{1/2} " (14.287m)	19' 2" (5.842m)	51' 0" (15.544m)	40' 0" (12.191m)
A2 49/70	70' 0 ^{1/2} " (21.348m)	48' 10 ^{1/2} " (14.896m)	21' 2" (6.451m)	55' 0" (16.763m)	42' 0" (12.801m)
A2 51/73	73' 0 ^{1/2} " (22.262m)	50' 10 ^{1/2} " (15.506m)	22' 2" (6.756m)	58' 0" (17.678m)	44' 0" (13.411m)
A2 53/77	77' 0 ^{1/2} " (23.481m)	52' 10 ^{1/2} " (16.116m)	24' 2" (7.366m)	62' 0" (18.897m)	46' 0" (14.020m)
A2 55/80	80' 0 ^{1/2} " (24.396m)	54' 10 ^{1/2} " (16.725m)	25' 2" (7.670m)	65' 0" (19.811m)	48' 0" (14.630m)
A2 57/84	84' 0 ^{1/2} " (25.615)	56' 10 ^{1/2} " (17.335m)	27' 2" (8.280m)	69' 0" (21.030m)	50' 0" (15.240m)
A2 59/87	87' 0 ^{1/2} " (26.529m)	58' 10 ^{1/2} " (17.944m)	28' 2" (8.585m)	72' 0" (21.945m)	52' 0" (15.849m)
A2 61/91	91' 0 ^{1/2} " (27.748m)	60' 10 ^{1/2} " (18.554m)	30' 2" (9.194m)	76' 0" (23.164m)	54' 0" (16.459m)
A2 63/95	95' 0 ^{1/2} " (28.967m)	62' 10 ^{1/2} " (19.163m)	32' 2" (9.804m)	80' 0" (24.383m)	56' 0" (17.068m)
A2 65/99	99' 0 ^{1/2} " (30.186m)	64' 10 ^{1/2} " (19.773m)	34' 2" (10.414m)	84' 0" (25.602m)	58' 0" (17.678m)
A2 68/103	103' 0" (31.406m)	67' 10 ^{1/2} " (20.687m)	35' 2" (10.718m)	88' 0" (26.821m)	61' 0" (18.592m)
A2 70/107	107' 0 ^{1/2} " (32.625m)	69' 10 ^{1/2} " (21.297m)	37' 2" (11.328m)	92' 0" (28.040m)	63' 0" (19.201m)
A2 72/111	111' 0 ^{1/2} " (33.844m)	71' 10 ^{1/2} " (21.906m)	39' 2" (11.937m)	96' 0" (29.259m)	65' 0" (19.811m)

Two-Tunnel-Stretch Models:

Model	Fully Extended	Fully Retracted	Travel	Max OP Limit	Min OP Limit
SA2 81/115	114 10 ^{1/2} " (35.019m)	80' 10 ^{1/2} " (24.656m)	34' 0" (10.363m)	100' 0" (30.479m)	74' 0" (22.554m)
SA2 89/123	122' 10 ^{1/2} " (37.457m)	88' 10 ^{1/2} " (27.094m)	34' 0" (10.363m)	108' 0" (32.917m)	82' 0" (24.992m)
SA2 97/131	130' 10 ^{1/2} " (39.895m)	96' 10 ^{1/2} " (29.532)	34' 0" (10.363m)	116' 0" (35.355m)	90' 0" (27.431m)
SA2 105/139	138' 10 ^{1/2} " (42.333m)	104' 10 ^{1/2} " (31.971m)	34' 0" (10.363m)	124' 0" (37.793m)	98' 0" (29.869m)
SA2 113/147	146' 10 ^{1/2} " (44.772m)	112' 10 ^{1/2} " (34.409m)	34' 0" (10.363m)	132' 0" (40.232m)	106' 0" (32.307m)
SA2 121/155	154' 10 ^{1/2} " (47.210m)	120' 10 ^{1/2} " (36.847m)	34' 0" (10.363m)	140' 0" (42.670m)	114' 0" (34.746m)

Three-Tunnel Models:

Model	Fully Extended	Fully Retracted	Travel	Max OP Limit	Min OP Limit
A3 44/78	78' 6 ^{1/2} " (23.938m)	42' 10 ^{1/2} " (13.068m)	35' 8" (10.871m)	63' 0" (19.201m)	36' 0" (10.972m)
A3 48/86	86' 6 ^{1/2} " (26.377m)	46' 10 ^{1/2} " (14.287m)	39' 8" (12.090m)	71' 0" (21.640m)	40' 0" (12.191m)
A3 50/95	95' 6 ^{1/2} " (29.120m)	49' 10 ^{1/2} " (15.201m)	45' 8" (13.919m)	80' 0" (24.383m)	43' 0" (13.106m)
A3 53/104	104' 6 ^{1/2} " (31.665m)	52' 10 ^{1/2} " (16.116m)	51' 8" (15.747m)	89' 0" (27.126m)	46' 0" (14.020m)
A3 58/110	110' 6 ^{1/2} " (33.691m)	56' 10 ^{1/2} " (17.335m)	53' 8" (16.357m)	95' 0" (28.955m)	50' 0" (15.239m)
A3 60/119	119' 6 ^{1/2} " (36.435m)	59' 10 ^{1/2} " (18.249m)	59' 8" (18.186m)	104' 0" (31.698m)	53' 0" (16.154m)
A3 64/131	131' 6 ^{1/2} " (40.092m)	63' 10 ^{1/2} " (19.468m)	67' 8" (20.624m)	116' 0" (33.355m)	57' 0" (17.373m)
A3 68/141	141' 1 ^{3/4} " (43.019m)	67' 1" (20.446m)	74' 0 ^{3/4} " (22.573m)	126' 0" (38.403m)	60' 0" (18.287m)



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Data subject to change without notice—Rev.01, July 2008