



# Passenger Boarding Steps

The Standard of Durability

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JBT AeroTech's family of mobile passenger boarding steps are designed to enplane and deplane airline passengers safely and efficiently at airports around the world. Four model types, Eurostep, UDS-2, SmartStep-2 and NBS-2 are fully capable of handling a wide range of commercial aircraft ranging from the Embraer 170 to the main deck of the A380. The [Standard of Durability](#) is evident in the heavy-duty, purpose built chassis with weight concentrated at the center of the unit which provides a secure platform for aircraft passenger boarding operations.

JBT AeroTech passenger boarding steps provide a lower total cost of ownership (TCO) through relentless focus on safety, operation, maintenance, reliability and durability.

## Exceptional Safety

Is the result of fine adjustment controls and a pivoting, shock absorbing access platform that aligns automatically with the aircraft fuselage.

## Efficient Operation

Is assured with an extra wide access platform and spacious stairway steps that move passengers on and off aircraft quickly and comfortably.

## Easy Maintenance

Is the benefit of unlimited access to the centrally located power module and all major components.

## Extended Reliability and Durability

Is guaranteed with a heavy duty, all steel custom chassis and the all aluminum access platform and stairs.

To ensure your maximum return on investment, JBT AeroTech has made a commitment to worldwide aftermarket support that is unmatched in the industry. Our worldwide parts warehouses and partners provide you the best value of TCO.



Our unique design only requires a single hydraulic cylinder for step extension and height adjustment simplifying the operation and minimizing the maintenance cost.



The front mounted, centrally located driver's station provides the operator with an unrestricted view of the aircraft's passenger door when positioning the passenger stairs. Various types of open or closed cabs available.



Open or closed canopy options are available.



The robust heavy-duty custom chassis and 4 stabilizers offers a very stable platform.

A wide range of aircraft can be served with just one model.



Eurostep and UDS-2 models offer a choice of diesel or all electric power.



## JBT Passenger Boarding Steps Specifications

	<b>NBS-2</b>	<b>SmartStep-2</b>	<b>UDS-2</b>	<b>EuroStep</b>
<b>Operating Height</b>				
Maximum	4.00 m (157 in)	5.80 m (228 in)	5.73 m (225 in)	5.84 m (230 in)
Minimum	1.70 m (67 in)	2.40 m (94 in)	2.45 m (96 in)	2.40 m (94 in)
<b>Access Platform</b>				
Width	2.50 m (98 in)	3.00 m (118 in)	2.80 m (110 in)	3.00 m (118 in)
Length	1.60 m (63 in)	1.80 m (71 in)	1.80 m (71 in)	1.83 m (72 in)
<b>Stairs</b>				
Width	1.20 m (47 in)	1.20 m (47 in)	1.50 m (59 in)	1.50 m (59 in)
Depth	290 mm (11 in)	290 mm (11 in)	290 mm (11 in)	292 mm (12 in)
Height	160 mm (6 in)	178 mm (7 in)	194 mm (8 in)	178 mm (7 in)
<b>Load Capacity</b>				
Access Platform	1,710 kg (3,770 lb)	1,710 kg (3,770 lb)	2,050 kg (4,519 lb)	2,050 kg (4,519 lb)
Per Step	228 kg (503 lb)			

All JBT AeroTech Passenger Steps Include:

JBT AeroTech Custom-built Chassis  
 Stabilizers – Four, Hydraulically Actuated  
 Engine – Deutz D 2011 L04i Diesel, 47.5 kW (64 hp) Com 3  
 Transmission – Hydrostatic Drive with Dynamic Braking  
 24 Volt DC

	<b>Aircraft Served</b>			
	<b>NBS-2</b>	<b>SmartStep-2</b>	<b>UDS-2</b>	<b>Eurostep</b>
<b>E170/195</b>	•	•	•	•
<b>F70/100</b>	•			
<b>BAE146</b>	•			
<b>B717/MD80</b>	•			
<b>A320/B737/B757</b>	•	•	•	•
<b>B767/777/787</b>		•	•	•
<b>A300/330/340</b>		•	•	•
<b>A380*/B747</b>		•	•	•

\* Main deck only

### Options

#### Operator Cab

Enclosed Cab with Wipers, Mirrors and Interior Lights  
 Open Cab with Wipers, Mirrors and Interior Lights

#### Canopy

Open Sided or Enclosed

#### Hydraulic

Electric Emergency Pump

#### Chassis

Headlight Guards  
 Rubber Cover Over Front Stabilizers  
 Safety Barriers with Drive Inhibition

#### Electrical

Alarms - Step Lowering, Platform in Contact with Aircraft (Cushion)  
 Aircraft Proximity Sensor  
 Speed Limiter with Mobile Flight Up

#### Winterization

Winterization, 125V / 240 V

**For the complete range of options available for specific models please contact your Sales Representative**

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