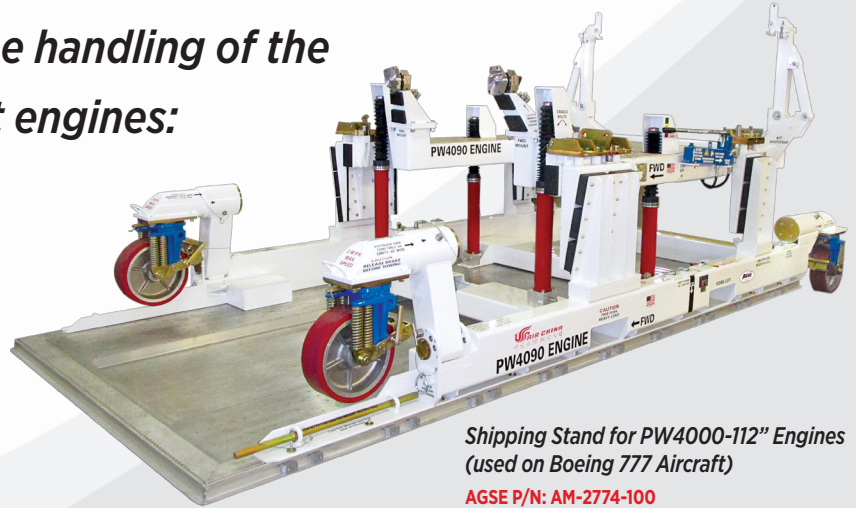


For decades, AGSE™ has been a global leader in the original design, development, and manufacture of qualified & recommended solutions for the handling of the PW4000 family of high-thrust engines:

- Shipping Stands
- Site Transport
- Lifting Fixtures & Gantries
- Bootstrap Systems

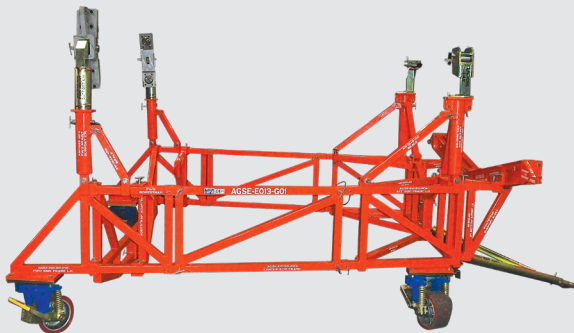
Approved by Pratt & Whitney  
or The Boeing Company!



Shipping Stand for PW4000-112" Engines  
(used on Boeing 777 Aircraft)  
AGSE P/N: AM-2774-100



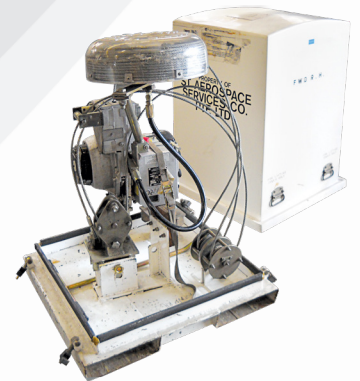
Shipping Stand for PW4000-100" Engines (used on Airbus A330 Aircraft)  
AGSE P/Ns: AM-2700 (Shipping Cradle) & AM-2701 (Transportation Base)



Light Weight Breakdown Stand  
for PW4000-94" Engines  
AGSE P/N: AGSE-E013



Engine Sling for PW4000-94"/-100" Engines  
AGSE P/N: AM-2106



Powered Bootstrap System  
for PW4000-94" Tail Engines  
AGSE P/N: AM-2365



**Our trusted & reliable Shipping Stands not only offer the lowest total cost of ownership, but superior functionality that can benefit any airline, aircraft hangar, or engine shop:**

- Air/Truck Transport or Storage for engine in QEC configuration (ready for installation)\*
- Bootstrap Adapters support engine (when installed in Shipping Cradle) during removal/installation from/on aircraft
- Tie-Down Rings on Transportation Base offer secure retainment for both engine & Shipping Stand
- Shock-Absorbing Mounts reduce vibrations during transport

● = Available Feature

**SHIPPING STANDS BY PART NUMBER**

PART NUMBER: AGSE Stanley	ENGINE(S) ACCOMMODATED	BOOTSTRAP ADAPTERS COMPATIBLE WITH AIRCRAFT	CAPABLE OF SHIPMENT ON MAIN DECKS OF FREIGHTER AIRCRAFT*	HYDRAULIC SYSTEM TO RAISE/LOWER SHIPPING STAND	LOW PROFILE TO ENABLE HEIGHT-RESTRICTED AIR SHIPMENT	RAIL-MOUNTED CONFIGURATION	WORK PLATFORM ATTACHMENT ON SHIPPING CRADLE	PNEUMATIC RUNNING GEAR	COMPATIBLE WITH OTHER AGSE EQUIPMENT	ACCOMMODATES OTHER SELECT ENGINES
AM-2774-100	PW4000-112"	Boeing 777	Boeing 747	●	●		●		AM-2872 <sup>†</sup> (Engine Sling)	
181745 (Shipping Cradle) 180059 (Transportation Base)	PW4000-112"	Boeing 777	Boeing 747	●	●		●	●	180086 (Engine Shipping Pallet) 180099 (Engine Build-Up Spacers)	AGSE-Y002-G04 (Self-Erecting Gantry) AM-2872 <sup>†</sup> (Engine Sling)
AM-2700 (Shipping Cradle) AM-2701 (Transportation Base)	PW4000-100"	Airbus A330	Boeing 747			●			AM-1994MD <sup>†</sup> (Rail-Mounted Pneumatic Tire Dolly) with Rail-Mounted Shipping Cradle Only	AM-2106 (Engine Sling)
AM-2371 (Shipping Cradle) AM-2372 (Transportation Base)	PW4000-94"	Airbus A300-600 & A310 Boeing 747-400 & 767	Boeing 747			●			AM-1994 <sup>†</sup> (Pneumatic Tire Dolly) AM-1994MD <sup>†</sup> (Rail-Mounted Pneumatic Tire Dolly) with Rail-Mounted Shipping Cradle Only	AM-2106 (Engine Sling) AGSE-B024-G01 AM-1343 AM-2305 AM-2365 AM-2488 (Bootstrap Systems)
AM-2265	PW4000-94"	Airbus A300-600 & A310 Boeing 747-400 & 767	Boeing 747 & 777						AM-2106 (Engine Sling)	AGSE-B024-G01 AM-1343 AM-2305 AM-2365 AM-2488 (Bootstrap Systems)
AGSE-E021	PW4000-94"	Airbus A300-600 & A310 Boeing 747-400 & 767 Douglas MD-11	Boeing 747 Douglas DC-10 & MD-11		●				AM-2106 (Engine Sling)	AGSE-B024-G01 AM-1343 AM-2305 AM-2365 AM-2488 (Bootstrap Systems)
AM-2425	PW4000-94"	Airbus A300-600 & A310 Boeing 747 & 767 Douglas MD-11	Boeing 747, 767 & 777 Douglas DC-10 & MD-11		●				AM-2106 (Engine Sling)	AGSE-B024-G01 AM-1343 AM-2305 AM-2365 AM-2488 (Bootstrap Systems)
AGSE-E006	PW4000-94"	Airbus A300-600 & A310 Boeing 747-400 & 767 Douglas MD-11	Boeing 747 Douglas DC-10 & MD-11		●				AM-2106 (Engine Sling)	AGSE-B024-G01 AM-1343 AM-2305 AM-2365 AM-2488 (Bootstrap Systems)
112745 (Shipping Cradle) 110059 (Transportation Base)	PW4000-94"	Airbus A300-600 & A310 Boeing 747-400 & 767 Douglas MD-11	Boeing 747 & 777			●			110350 (Transportation Base) with Shipping Cradle Only 110743 (Shipping Cradle) with Transportation Base Only	AM-2106 (Engine Sling) AGSE-B024-G01 AM-1343 AM-2305 AM-2365 AM-2488 (Bootstrap Systems)
110743 (Shipping Cradle) 110350 (Transportation Base)	PW4000-94"	Boeing 747-400 & 767	Boeing 747 & 777	●	●	●		●	110059 (Transportation Base) with Shipping Cradle Only 112745 (Shipping Cradle) with Transportation Base Only	AM-2106 (Engine Sling) AGSE-B024-G01 AM-1343 AM-2305 AM-2365 AM-2488 (Bootstrap Systems)

\*AGSE Shipping Stands are designed and built in compliance with the specifications and requirements of the engine's original equipment manufacturer (OEM). The customer is solely responsible for selecting the appropriate packaging based upon all information at his/her disposal, including the specific application, regulatory compliances, product compatibility, shipping requirements, and documentation issued by the Engine OEM. Any AGSE-referenced shipping information presented either in this product literature or other AGSE documentation is intended as general guidance only and should not be considered a complete set of shipping requirements that can alter, satisfy, or influence both regulatory and Engine OEM shipping requirements. The content found in AGSE marketing materials and other documentation is subject to change; AGSE accepts no liability for loss or damage resulting from changes, errors, omissions, or misinterpretations of these AGSE publications.

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● = Available Feature

**SHIPPING STAND ACCESSORIES**

*Expedite shipping and improve operational safety when transporting engines on select Shipping Stands!*

PART NUMBER: Stanley	DESCRIPTION	ENGINE(S) ACCOMMODATED	AIRCRAFT APPLICATION(S)	COMPATIBLE WITH SHIPPING STAND	SPECIFIC FUNCTION
180086	Engine Shipping Pallet	PW4000-112"	Boeing 777	181745/180059 (Shipping Stand)	Provides uniform support during loading/unloading into/from main decks of wide-body aircraft
180099	Engine Build-Up Spacers	PW4000-112"	Boeing 777	181745/180059 (Shipping Stand)	Provides extra space to perform work on engine underside

**ENGINE DOLLIES**

*Exceptional engine transport within a facility or between local sites!*

PART NUMBER: AGSE	DESCRIPTION	ENGINE(S) ACCOMMODATED	AIRCRAFT APPLICATION(S)	COMPATIBLE WITH OTHER AGSE EQUIPMENT	BOOTSTRAP CAPABLE	DISASSEMBLES/FOLDS TO REDUCE SHIPPING VOLUME	ACCOMMODATES OTHER SELECT ENGINES
AGSE-E018-G01/-G02	Shop Dolly	PW4000-112"	Boeing 777	AM-2872 <sup>†</sup> (Engine Sling)			
AGSE-E018-G03	Pneumatic Tire Dolly	PW4000-112"	Boeing 777	AM-2872 <sup>†</sup> (Engine Sling)			
AM-1994MD <sup>†</sup>	Rail-Mounted Pneumatic Tire Dolly	PW4000-100"	Airbus A330	AM-2700R (Rail-Mounted Shipping Cradle)		●	CF6, RB211
		PW4000-94"	Airbus A300-600 & A310 Boeing 747-400 & 767 Douglas MD-11	AM-2371R (Rail-Mounted Shipping Cradle)			
AM-1994 <sup>†</sup>	Pneumatic Tire Dolly	PW4000-94"	Airbus A300-600 & A310 Boeing 747-400 & 767 Douglas MD-11	AM-2371 (Shipping Cradle)		●	CF6
AGSE-E013	Light Weight Breakdown Stand	PW4000-94"	Airbus A300-600 & A310 Boeing 747-400 & 767 Douglas MD-11		●	●	PW2000
AM-2440M	Light Weight Breakdown Stand	PW4000-94"	Airbus A300-600 & A310 Boeing 747-400 & 767 Douglas MD-11		●	●	CF6

**INLET COWL DOLLIES**

*Sturdy and convenient alignment for engine inlets during removal from or installation on aircraft wings!*

PART NUMBER: AGSE	ENGINE(S) ACCOMMODATED	AIRCRAFT APPLICATION(S)	REQUIRES MANUAL MOVEMENT	DISASSEMBLES/FOLDS TO REDUCE SHIPPING VOLUME	TOW BAR	HAND-OPERATED CABLE WINCH FOR HEIGHT ADJUSTMENT	ACCOMMODATES OTHER SELECT ENGINES
AM-2764	PW4000-112"	Boeing 777	●	●			GE90, GEnx
AM-1441	PW4000-94"	Airbus A300-600 & A310 Boeing 747-400 & 767 Douglas MD-11	●	●			CF6, PW2000, RB211
AM-2302	PW4000-94"	Airbus A300-600 & A310 Boeing 747-400 & 767 Douglas MD-11		●	●	●	CF6

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# OEM-APPROVED FOR PW4000 ENGINES LIFTING FIXTURES, GANTRIES & BOOTSTRAP SYSTEMS

● = Available Feature

## ENGINE SLINGS

Stable and versatile overhead support for horizontal build-up or engine transfer to or from Shipping Stands!

PART NUMBER: AGSE	ENGINE(S) ACCOMMODATED	AIRCRAFT APPLICATION(S)	MAXIMUM LOAD CAPACITY	COMPATIBLE WITH OTHER AGSE EQUIPMENT	CENTER OF GRAVITY ADJUSTMENT FEATURE	ACCESSORIES	ACCOMMODATES OTHER SELECT ENGINES
AM-2872†	PW4000-112"	Boeing 777	28,000 lbs 12,701 kg	AM-2774-100 (Shipping Cradle Only) AGSE-E018-G01/-G02 (Shop Dolly) AGSE-E018-G03 (Pneumatic Tire Dolly)	181745 (Shipping Cradle)	Hand Crank	Shipping/Storage Container GE90
AM-2106	PW4000-100"	Airbus A330	12,000 lbs 5,443 kg	AM-2700 (Shipping Cradle)	110743, 112745 (Shipping Cradles)	Hand Crank	CF6, CFM56, PW2000, RB211
	PW4000-94"	Airbus A300-600 & A310 Boeing 747-400 & 767 Douglas MD-11	10,600 lbs 4,808 kg	AGSE-E006, AGSE-E021, AM-2265, AM-2425 (Shipping Cradles Only)			
AGSE-L002	PW4000-94"	Airbus A300-600 & A310 Boeing 747-400 & 767 Douglas MD-11	12,000 lbs 5,443 kg		Cable Sling Hook Point	Shipping/Storage Container	CF6, CFM56, PW2000

## SELF-ERECTING GANTRIES

Provides extra capability for major module replacement during peak workloads or when remote from aircraft hangars or MRO shops!

PART NUMBER: AGSE	ENGINE(S) ACCOMMODATED	AIRCRAFT APPLICATION(S)	MAXIMUM LOAD CAPACITY	COMPATIBLE WITH OTHER AGSE EQUIPMENT	OPTIONAL ACCESSORIES
AGSE-Y002-G04	PW4000-112"	Boeing 777	20,000 lbs, 9,072 kg (Center Rail) 32,000 lbs, 14,515 kg (Outer Rails)	181745 (Shipping Cradle)	AGSE-Y005 (Self-Deployment Kit) to eliminate forklift setup requirement AGSE-B003 (Lift Adapters) to lift compatible Shipping Stands
AGSE-Y002-G03	PW4000-112"	Boeing 777	20,000 lbs, 9,072 kg (Center Rail) 32,000 lbs, 14,515 kg (Outer Rails)		
AGSE-Y002-G02	PW4000-100"	Airbus A330	13,800 lbs, 6,260 kg (Center Rail) 26,240 lbs, 11,902 kg (Outer Rails)		

## BOOTSTRAP SYSTEMS

All-in-One Engine Sling and Adapter Kits for more convenient bootstrap operations!

PART NUMBER: AGSE	ENGINE(S) ACCOMMODATED	AIRCRAFT APPLICATION(S)	MAXIMUM LOAD CAPACITY	COMPATIBLE WITH OTHER AGSE EQUIPMENT	MANUAL SYSTEM FOR WING ENGINES (#1 & #3) as well as Tail Engine (#2) when supported by forklift	POWERED SYSTEM FOR TAIL ENGINE (#2) ONLY	ACCOMMODATES OTHER SELECT ENGINES
AGSE-B024-G01	PW4000-94"	Douglas MD-11	12,000 lbs, 5,443 kg (Forward Beam) 4,000 lbs, 1,814 kg or 4,800 lbs, 2,177 kg with AM-2305-KIT Bootstrap Kit Modification (Aft Beam)	110743, 112745, AM-2371 (Shipping Cradles)	AGSE-E006, AGSE-E021, AM-2265, AM-2425 (Shipping Cradles Only)	●	CF6
AM-1343	PW4000-94"	Airbus A300-600 & A310	12,000 lbs, 5,443 kg (Forward Beam) 4,000 lbs, 1,814 kg (Aft Beam)	110743, 112745, AM-2371 (Shipping Cradles)	AGSE-E006, AGSE-E021, AM-2265, AM-2425 (Shipping Cradles Only)	●	CF6
AM-2488	PW4000-94"	Douglas MD-11	12,000 lbs, 5,443 kg (Forward Beam) 4,000 lbs, 1,814 kg or 4,800 lbs, 2,177 kg with AM-2305-KIT Bootstrap Kit Modification (Aft Beam)	110743, 112745, AM-2371 (Shipping Cradles)	AGSE-E006, AGSE-E021, AM-2265, AM-2425 (Shipping Cradles Only)	●	CF6
AM-2365	PW4000-94"	Douglas MD-11	12,000 lbs, 5,443 kg (Forward Beam) 4,000 lbs, 1,814 kg or 4,800 lbs, 2,177 kg with AM-2305-KIT Bootstrap Kit Modification (Aft Beam)	110743, 112745, AM-2371 (Shipping Cradles)	AGSE-E006, AGSE-E021, AM-2265, AM-2425 (Shipping Cradles Only)	●	CF6
AM-2305	PW4000-94"	Douglas MD-11	12,000 lbs, 5,443 kg (Forward Beam) 4,000 lbs, 1,814 kg or 4,800 lbs, 2,177 kg with AM-2305-KIT Bootstrap Kit Modification (Aft Beam)	110743, 112745, AM-2371 (Shipping Cradles)	AGSE-E006, AGSE-E021, AM-2265, AM-2425 (Shipping Cradles Only)	●	CF6

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