



# OEM-APPROVED GSE & TOOLING FOR **ROLLS-ROYCE ENGINES**

*A global leader in the original design, development,  
and manufacture of engine handling solutions!*

CLICK BELOW TO JUMP TO:

- Shipping Stands
- Optional Shipping Stand Accessories
- Protective Covers
- Lifting Slings
- Pedestal Sets
- Site Transport
- Inlet Cowl Dollies
- Self-Erecting Gantries

Approved by  
**Rolls-Royce** 

Licensed for the following  
Trent & RB211 variants:

ENGINE MODEL	AIRCRAFT APPLICATION(S)
Trent 500	Airbus A340-500/-600
Trent 700	Airbus A330
Trent 800	Boeing 777
Trent 900	Airbus A380
RB211-524	Boeing 747-400 Boeing 767-300ER
RB211-535	Boeing 757-200/-300 Tupolev Tu-204



Roll-Over Shipping Stand  
AGSE P/N: AGSE-E166

**CLICK ON ANY IMAGE OR PART NUMBER FOR MORE PRODUCT INFORMATION!**



## OEM-APPROVED FOR ROLLS-ROYCE ENGINES SHIPPING STAND FEATURES

**SAFE & ERGONOMIC | DESIGNED, MANUFACTURED & TESTED IN-HOUSE**  
**HIGHLY DURABLE | LOW PROFILE & VERSATILE**  
**LOWEST TOTAL COST OF OWNERSHIP | SHORTEST LEAD TIMES**

**Airlines, aircraft hangars, and engine shops have trusted our reliable & rugged Shipping Stands for decades!**

### All Stands:

- Safely Transport & Store engines\*
- Support On-Wing Engine Removal & Installation through bootstrapping or alternate methods
  - Include Tie-Down Rings for secure retainment during long-distance transport
  - Contain Forklift Pockets for convenient site transport

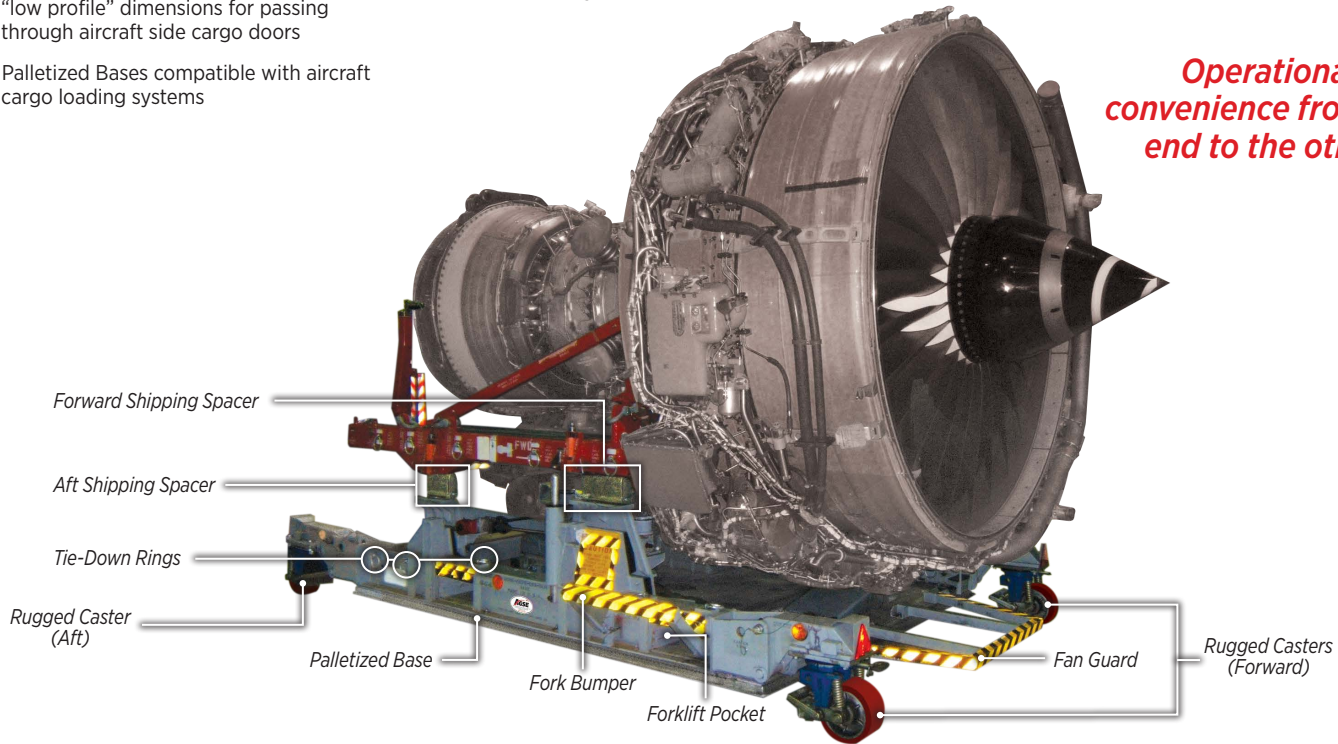
### Features on Select Models:

- Integrated Shock-Absorbing Mounts to reduce vibrations for engine protection during transport
- Uplift or Vertical Adjustment
  - Spacer Blocks for enhanced sway space during truck transport or long-term storage
- Roll-Over designs to achieve minimum "low profile" dimensions for passing through aircraft side cargo doors
- Palletized Bases compatible with aircraft cargo loading systems

- Fork Bumpers to prevent inadvertent forklift contact with the engine
- Stackable When Empty to minimize shipping or storage volume
- Jacking Legs to raise the base off the ground without the need for a forklift or overhead lifting device

### Optional Accessories Include:

- External Shock-Absorbing Mounts for truck transport
- Jacking Legs with extra stroke for loading on or removal from truck trailers
- Personnel Access Platforms for ergonomic access to engine mounts that interface with bootstrap systems
- An Arm Kit compatible with a Rolls-Royce Lifting Sling (HU55422-1)



**Operational convenience from one end to the other!**

### Uplift Shipping Stand

AGSE P/Ns: AGSE-E074 or AGSE-E082/-E079

\*AGSE Shipping Stands are designed and built in compliance with the specifications and requirements of the engine's equipment manufacturer (OEM). The customer is solely responsible for selecting the appropriate packaging based on all information, including the specific application, regulatory compliances, product compatibility, shipping requirements, and documentation issued by the Engine OEM. Any AGSE-referenced shipping information presented in this product literature or other AGSE documentation is for general guidance only. It should be considered a partial set of shipping requirements that can alter, satisfy, or influence 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.

Rolls-Royce approves, qualifies, and recommends AGSE GSE & Tooling for safely handling Trent & RB211 engines.

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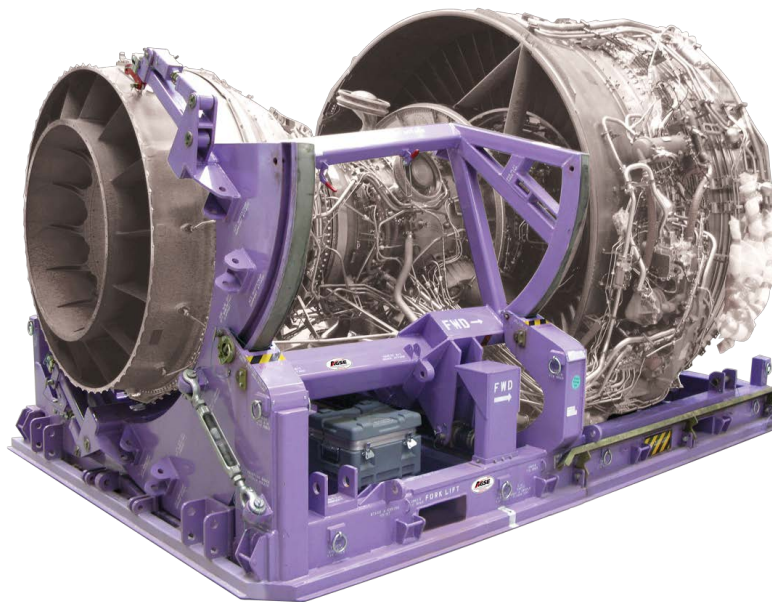
## OEM-APPROVED FOR ROLLS-ROYCE ENGINES SHIPPING STANDS

● = Available Feature

### SHIPPING STANDS BY PART NUMBER\*

PART NUMBER(S): AGSE Stanley	ENGINE(S) ACCOMMODATED	COMPARABLE TO ROLLS-ROYCE PART NUMBER(S)	CAPABLE OF TRANSPORT ON FREIGHTER AIRCRAFT*	INTEGRATED SHOCK MOUNTS	UPLIFT	ROLL-OVER	PALLETIZED BASE	FORK BUMPERS	STACKABLE WHEN EMPTY	JACK LEGS	OPTIONAL ACCESSORIES			
											PERSONNEL ACCESS PLATFORMS	JACKING LEGS WITH EXTRA STROKE	EXTERNAL SHOCK MOUNTS	LIFTING SLING ARM KIT
AGSE-E074 (Shipping Stand) AGSE-E082 (Cradle) AGSE-E079 (Base)	Trent 700	HU55281 (Cradle) HU55280 (Base)	Boeing 747 & 777	●	●		●	●	●					
	Trent 500													
AGSE-E082 (Cradle) AGSE-E075 (Base)	Trent 700		Boeing 747 & 777, An-124 or Similar Specialized Aircraft	●			●	●	●					
	Trent 500													
AGSE-E166	Trent 900		Boeing 747 & 777			●	●			●	●	●	●	
AGSE-E132 (Cradle) AGSE-E133 (Base)	Trent 900		An-124 or Similar Specialized Aircraft	●				●			●			
190100	Trent 800		Boeing 747 & 777	●	●	●	●					●		●
190200	Trent 800		An-124 or Similar Specialized Aircraft	●										●
AM-2809	Trent 800		For Ground Transport Only	●				●			●			
AGSE-E052	RB211-535		Boeing 747 & 777	●			●							

A Shipping Stand comprises a Cradle & Base.



Roll-Over Shipping Stand in "Low Profile" Position

AGSE P/N: AGSE-E166

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# OEM-APPROVED FOR ROLLS-ROYCE ENGINES

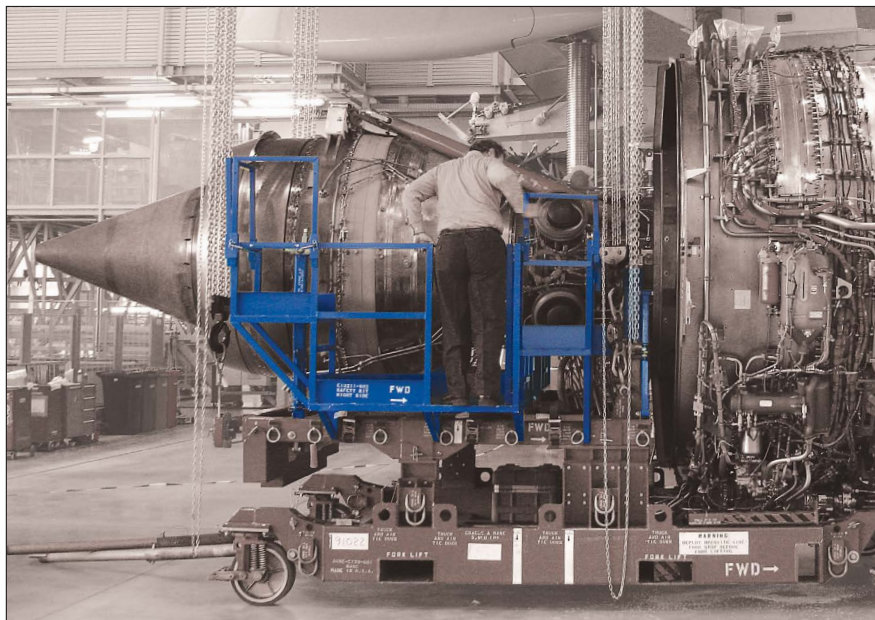
## OPTIONAL SHIPPING STAND ACCESSORIES

### Improve safety & productivity!

#### OPTIONAL SHIPPING STAND ACCESSORIES BY PART NUMBER

PART NUMBER(S): AGSE Stanley	COMPATIBLE WITH SHIPPING STAND(S)	DESCRIPTION	ENGINE(S) ACCOMMODATED	INCLUDES:	SPECIFIC FUNCTION	OTHER ENGINES ACCOMMODATED
AGSE-E16612	AGSE-E166	Safety Kit	Trent 900	Two (2) Personnel Platforms with Handrails	Provides ergonomic access to engine mounts that interface with bootstrap systems	
AGSE-E16620	AGSE-E166-G02	Shock Mount Kit	Trent 900	Four (4) External Shock Mounts	Protects the engine during truck transport	
AGSE-E16621	AGSE-E166	Jacking Leg Kit	Trent 900	Four (4) Jacking Leg Assemblies	Raises or lowers the Shipping Stand 42" (107 cm) for loading on or removal from truck trailers without the need for a forklift or overhead lifting device	
AGSE-E16625	AGSE-E166	Accessories Container	Trent 900	Base with Removable Cover	Transport or Storage for: • AGSE-E16620 or AGSE-E16651 (Shock Mount Kit) • AGSE-E16621 (Jacking Leg Kit) • AGSE-E16637 (Caster & Tow Bar Kit)	
AGSE-E16637	AGSE-E166	Caster & Tow Bar Kit	Trent 900	• Four (4) Casters • Two (2) Steering Bars • Tow Bar	Tows Shipping Stand with the engine & inlet cowl installed	
AGSE-E16640	AGSE-E166	Bootstrap & Safety Kit Container	Trent 900	Base with Removable Cover	Transport or Storage for: • AGSE-E16612 (Safety Kit) • AGSE-E16642 or AGSE-E16682 (Bootstrap Kit)	
AGSE-E16642	AGSE-E166-G02	Bootstrap Kit	Trent 900	• Two (2) Aft Bootstrap Adapters • Two (2) Forward Bootstrap Adapters • Counterweight Adapter	Interfaces with the engine to simplify on-wing removal & installation	
AGSE-E16651	AGSE-E166-G03	Shock Mount Kit	Trent 900	Four (4) External Shock Mounts	Protects the engine during truck transport	
AGSE-E16682	AGSE-E166-G03	Bootstrap Kit	Trent 900	• Two (2) Aft Bootstrap Adapters • Two (2) Forward Bootstrap Adapters • Counterweight Adapter	Interfaces with the engine to simplify on-wing removal & installation	
AGSE-V133	AGSE-E166	Accessory Drive System	Trent 900	Cart with Motor-Controlled Drive Shaft	Rotates Cradle to achieve minimum dimensions to pass through aircraft side cargo doors	GEnx
AGSE-E13211	AGSE-E132 (Cradle)	Safety Kit	Trent 900	Two (2) Personnel Platforms with Handrails	Provides ergonomic access to engine mounts that interface with bootstrap systems	
190245	190100	Jacking Leg Kit	Trent 800	Four (4) Jacking Leg Assemblies	Raises or lowers the Shipping Stand 29.1" (74 cm) for loading on or removal from truck trailers without the need for a forklift or overhead lifting device	

AGSE-E166-G03 Roll-Over Shipping Stand contains Jack Legs, while AGSE-E166-G02 does not.



Safety Kit for AGSE-E132 Cradle  
AGSE P/N: AGSE-E13211

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## OEM-APPROVED FOR ROLLS-ROYCE ENGINES PROTECTIVE COVERS

**Lasting defense against dirt, water, and contamination!**

● = Available Feature

### PROTECTIVE COVERS BY PART NUMBER

PART NUMBER(S): AGSE	COMPARABLE TO ROLLS-ROYCE PART NUMBER(S)	ENGINE(S) ACCOMMODATED	ACCOMMODATES:		MOISTURE VAPOR PROOF (MVP)	DROP-ON	ZIPPER SEAL	CLOSURE SKIRT	POCKET VELCRO CLOSURE (PVC)
			INLET COWL	COMMON NOZZLE ASSEMBLY (CNA)					
AGSE-V118-G01	HU55655	Trent 800			●		●		
AGSE-V118-G02	HU55635	Trent 800				●			
AGSE-V119-G01	HU55949	Trent 700	●	●	●				
AGSE-V119-G02		Trent 700			●			●	●
		Trent 500							
AGSE-V119-G03	HU45311	Trent 700			●		●		
AGSE-V119-G04	HU44954	Trent 700		●	●				
AGSE-V119-G05	HU55656	Trent 700			●				
AGSE-V119-G06	HU56474	Trent 500			●		●		●
AGSE-V119-G07	HU56474-1	Trent 500			●		●	●	●
AGSE-V119-G08	HU55950	Trent 500		●	●		●		●
AGSE-V121-G01	HU56527	Trent 900			●		●		
AGSE-V121-G02	HU44676	Trent 900			●		●		
	HU56528					●			



**Drop-On Protective Cover**  
**AGSE P/N: AGSE-V121-G02**

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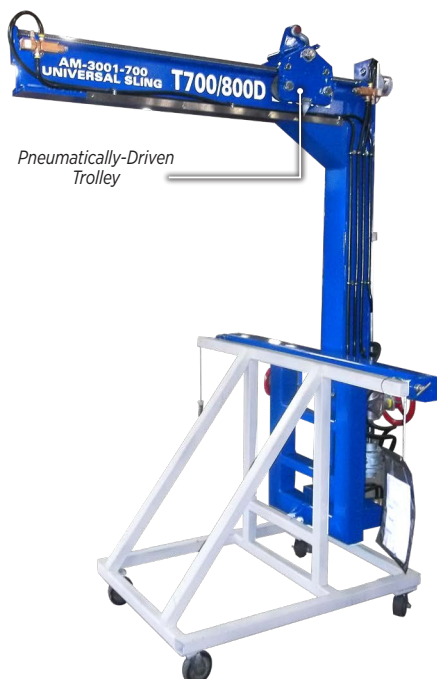
## OEM-APPROVED FOR ROLLS-ROYCE ENGINES LIFTING SLINGS

**Stable & versatile overhead support for  
horizontal build-up or Shipping Stand transfer!**

● = Available Feature

### LIFTING SLINGS BY PART NUMBER

PART NUMBER(S):	AGSE Stanley	ENGINE(S) ACCOMMODATED	COMPATIBLE WITH OTHER EQUIPMENT	MAXIMUM LOAD CAPACITY	CENTER OF GRAVITY ADJUSTMENT FEATURE	TELESCOPING ADJUSTMENT TOOL	FORKLIFT POCKETS	SITE TRANSPORT CASTERS	SUPPORTS MODULES ONLY	OPTIONAL SHOP DOLLY	OTHER ENGINES ACCOMMODATED
AGSE-L038		Trent 700	AGSE-E074, AGSE-E082/-E075 (Shipping Stands)	32,000 lbs 14,515 kg	Lifting Ring, Aft Cables	●	●				GEnx
		Trent 500									
		Trent 900	AGSE-E166, AGSE-E132/-E133 (Shipping Stands)								
AGSE-L018		Trent 700	AGSE-E074, AGSE-E082/-E075 (Shipping Stands)	30,000 lbs 13,608 kg	Lifting Ring, Aft Cables	●	●				GEnx
		Trent 500									
		Trent 900	AGSE-E166, AGSE-E132/-E133 (Shipping Stands)								
190250		Trent 800	190100 (Shipping Stand)	30,000 lbs 13,608 kg	Screw Hoist with Level Indicator		●	●			
AM-2106		RB211-535		12,000 lbs 5,443 kg	Hand Wheel		●				CF6, CFM56, PW2000, PW4000, V2500
AM-3001		Trent 700	HXC14565 (Rolls-Royce Module Adapter)	4,000 lbs 1,814 kg	Pneumatically- Driven Trolley				●	●	
		Trent 800									



**Module Lifting Sling with Optional Shop Dolly**  
AGSE P/N: AM-3001

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# OEM-APPROVED FOR ROLLS-ROYCE ENGINES PEDESTAL SETS, SITE TRANSPORT & INLET COWL DOLLIES

● = Available Feature

## PEDESTAL SETS

Another ideal horizontal build-up solution to achieve ergonomically efficient engine centerline heights!

PART NUMBER: AGSE	ENGINE(S) ACCOMMODATED	NUMBER OF PEDESTALS	PEDESTAL FRAME	MAXIMUM LOAD CAPACITY	ACHIEVES ENGINE CENTERLINE HEIGHT OF:	SITE TRANSPORT ACCOMMODATION	OTHER ENGINES ACCOMMODATED
AGSE-T016	RB211-535	2	Forward	6,500 lbs 2,948 kg	72" 183 cm	Ball Transfers, Forklift Pockets	CF6, CF34, CFM56, PW2000, PW4000, PW6000, V2500
		2	Aft	1,500 lbs 680 kg			

## SITE TRANSPORT

Exceptional engine transport within a facility or between local sites!

PART NUMBER: AGSE	DESCRIPTION	ENGINE(S) ACCOMMODATED	COMPATIBLE WITH SHIPPING STAND(S)	MAXIMUM TOWING SPEED WITH ENGINE	AIR/TRUCK TRANSPORT WITH ENGINE	TOW BAR	OTHER ENGINES ACCOMMODATED
AGSE-E080	Retractable Pin-On Tire Axles	Trent 700	AGSE-E079, AGSE-E075 (Bases)	10 MPH 16 Km/H	●	●	
		Trent 500					
AGSE-E134	Retractable Pin-On Tire Axles	Trent 900	AGSE-E133 (Base)	5 MPH 8 Km/H		●	
AM-1994	Dismantlable Pneumatic Tire Dolly	RB211-535	AGSE-E052 (Cradle)	5 MPH 8 Km/H		●	CF6, PW2000, PW4000

## INLET COWL DOLLIES

Sturdy & convenient alignment for inlet cowl removal & installation!

PART NUMBER: AGSE	AIRCRAFT ACCOMMODATED	SUPPORT PAD ADJUSTMENT		TOW BAR	MANUAL MOVEMENT ONLY	DISASSEMBLES/ FOLDS WHEN EMPTY	STORAGE CONTAINERS FOR LOOSE HARDWARE	OTHER AIRCRAFT ACCOMMODATED
		"PITCH & ROLL" JACKSCREWS	VERTICAL CASTER LEVELING JACKS					
AM-2302	Airbus A330, A340-500/-600	●		●		●	●	Airbus A340-200/-300 Boeing 747
AM-1441	Boeing 757-200/-300, 767-300ER		●		●	●		Airbus A300-600, A310, A330 Boeing 767-200 Douglas DC-10-30, MD-11



Tire Axles Pinned on an AGSE-E079 Base  
AGSE P/N: AGSE-E080



Inlet Cowl Dolly  
AGSE P/N: AM-2302

Rolls-Royce and The Boeing Company approve, qualify, and recommend AGSE GSE & Tooling for safely handling Trent & RB211 engines and inlet cowls, respectively.

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## OEM-APPROVED FOR ROLLS-ROYCE ENGINES SELF-ERECTING GANTRIES

### A dynamic solution for unscheduled maintenance or split engine operations!

- Performs emergency module replacement locally without the need to ship full engines to MRO shops
- Guided ground movement allows for efficient engine loading & unloading
- Adjustable Overhead Rails correctly balance loads
- Heavy-Duty Hoists for reliable lifting & support
- Few components & moving parts for ease of assembly and disassembly
- Forklift Pockets for convenient separation or mating with gantry shipping & storage components
  - Optional Self-Deployment Kit (**AGSE-Y005**) eliminates the need for a forklift
- Palletized Storage Frame compatible with aircraft cargo loading systems

#### SELF-ERECTING GANTRIES BY PART NUMBER

PART NUMBER(S): <b>AGSE</b> Stanley	ENGINE(S) ACCOMMODATED	COMPATIBLE WITH SHIPPING STANDS	INCLUDES:	ADJUSTABLE RAIL SPACINGS	HOIST RAILS	ENGINE LOADING/UNLOADING MOBILITY	SITE TRANSPORT ACCOMMODATION	OTHER ENGINES ACCOMMODATED
<b>AGSE-Y002</b>	Trent 700	<b>AGSE-E074, AGSE-E082/-E075</b>	<ul style="list-style-type: none"> <li>• Gantry</li> <li>• Component Storage Container</li> <li>• Storage Frame Pallet</li> </ul>	<ul style="list-style-type: none"> <li>• 144" 366 cm</li> <li>• 120" 305 cm</li> <li>• 96" 244 cm</li> <li>• 58" 147 cm</li> <li>• 48" 122 cm</li> </ul>	<ul style="list-style-type: none"> <li>• 1 x 8-Ton (Center)</li> <li>• 2 x 4-Ton (Outer Left)</li> <li>• 2 x 4-Ton (Outer Right)</li> </ul>	"Primary" Casters on Track Assembly	"Secondary" Casters	GE90, PW4000
	Trent 800	<b>190100, 190200, AN-2809</b>						



Self-Erecting Gantry handling a Trent 800 Engine  
**AGSE P/N: AGSE-Y002**

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