



OEM-APPROVED GSE & TOOLING FOR CF34 ENGINES

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

CLICK BELOW TO JUMP TO:

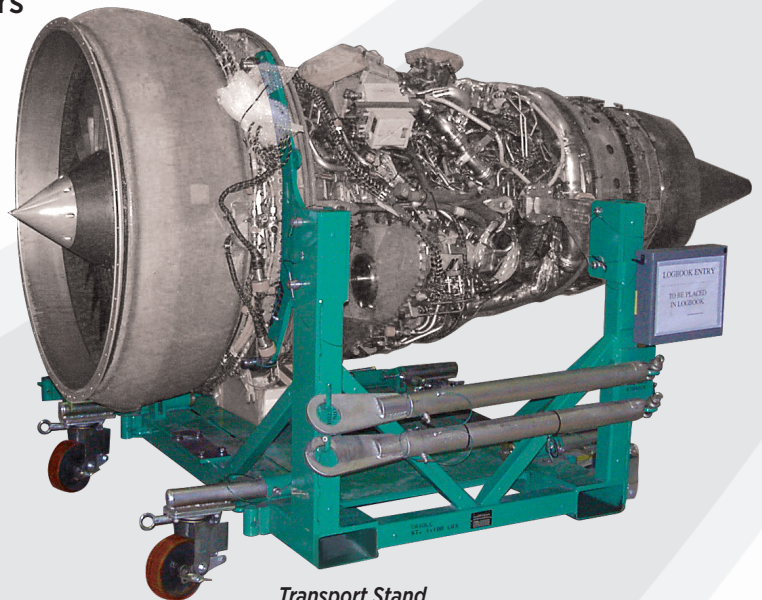
- Shipping Stands
- Shipping Containers
- Site Transport
- Lifting Slings
- Pedestal Sets
- Protective Covers

Approved by



Licensed for the following
CF34 variants:

| ENGINE MODEL | AIRCRAFT APPLICATION(S) |
|--------------|---|
| CF34-10E | Embraer E190/195, Lineage 1000 |
| CF34-10A | Comac ARJ21 |
| CF34-8E | Embraer E170/175 |
| CF34-8C | Bombardier CRJ700/900/1000 Bombardier Challenger 870/890 |



Transport Stand
Engine OEM P/N: 2C81033



Empty Shipping Stands in Stacked Configuration
AGSE P/Ns: AGSE-E094/-E169



Lifting Sling with Transport Cart
Engine OEM P/N: 2C81007

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



OEM-APPROVED FOR CF34 ENGINES SHIPPING STANDS

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!**

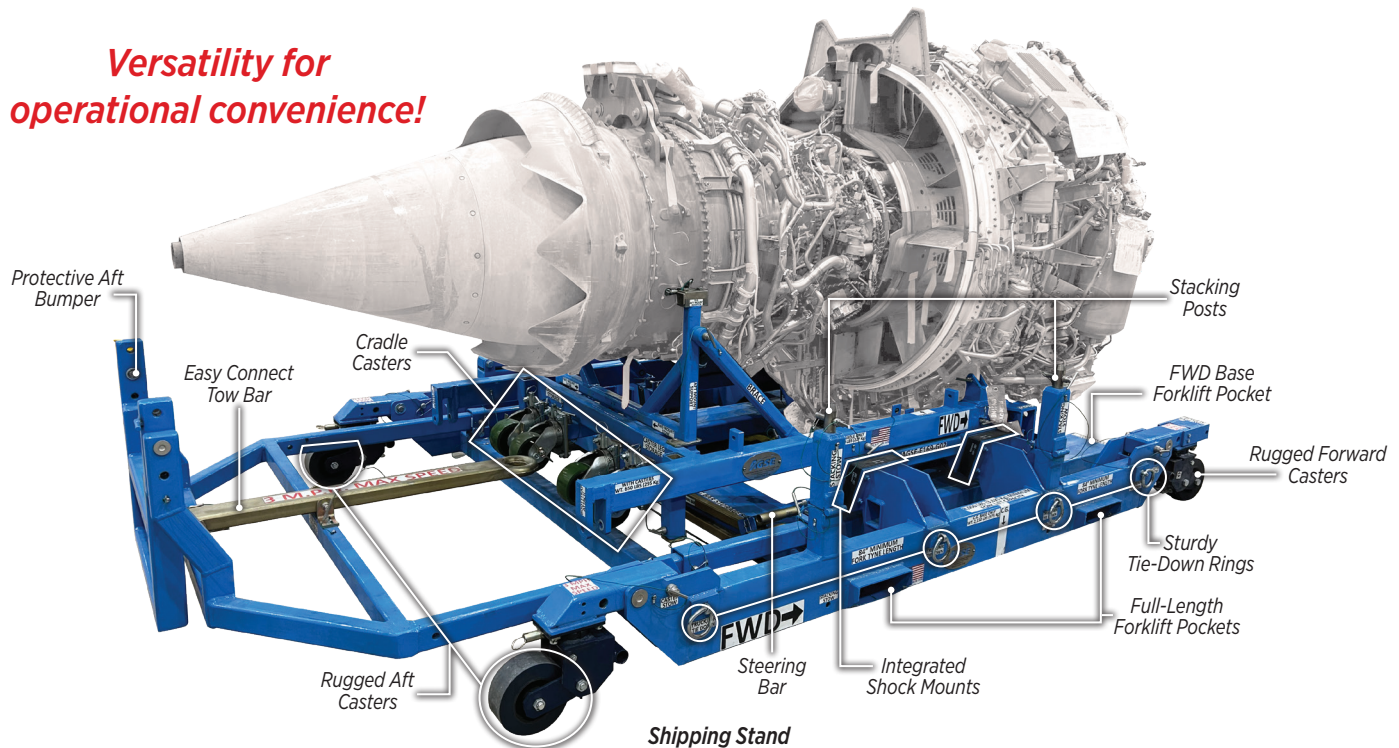
All Stands:

- Safely Transport & Store engines with inlet cowls*
- Support On-Wing Engine Removal & Installation through bootstrapping or alternate methods
- Integrate Shock-Absorbing Mounts to reduce vibrations for engine protection during transport
 - Include Tie-Down Rings for secure retainment during long-distance transport
- Contain Forklift Pockets for convenient site transport

Features on Select Models:

- Bumpers for forward & aft engine protection
- Stackable or foldable when empty to minimize shipping & storage volume
- Cradles, Inner Frames, or Transport Stands contain:
 - Casters for improved site transport
 - Support Legs for long-term storage
 - Forklift Pockets & Tow Bar to accommodate motorized site transport
- Forward Base Forklift Pockets for flexible forklift transport when empty
- Skids to prevent the base from contacting the ground
- Pneumatic Tires for extended towing over rougher surfaces

**Versatility for
operational convenience!**



Shipping Stand
AGSE P/N: AGSE-E094/-E169

*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.

GE Aerospace approves, qualifies, and recommends AGSE GSE & Tooling for safely handling CF34 engines.

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OEM-APPROVED FOR CF34 ENGINES SHIPPING STANDS, CONTAINERS & SITE TRANSPORT

● = Available Feature

SHIPPING STANDS BY PART NUMBER*

| PART NUMBER: Engine OEM AGSE | ENGINE WITH INLET COWL ACCOMMODATED | BUMPERS | STACKABLE WHEN EMPTY | FWD BASE FORKLIFT POCKETS | SKIDS | PNEUMATIC TIRES | FOR CRADLES, INNER FRAME, OR TRANSPORT STAND ONLY: | | |
|--|-------------------------------------|---------|----------------------|---------------------------|-------|-----------------|--|--------------|-----------------------------|
| | | | | | | | CASTERS | SUPPORT LEGS | FORKLIFT POCKETS & TOW BARS |
| AGSE-E094 (Cradle) AGSE-E169 (Base) | CF34-10E | ● | ● | ● | | | ● | ● | |
| 10C1301 AGSE-E186 | CF34-10A | ● | ● | ● | | | ● | | |
| 2C81052 (Inner Frame) 2C81051 (Outer Frame) | CF34-8E | ● | ● | | ● | | ● | | |
| 2C81033 (Transport Stand) 2C81034 (Dolly) | CF34-8C | | | | | ● | ● | | ● |
| AGSE-E120 | CF34-8C | | | | | | | | |

A Shipping Stand comprises a Cradle & Base, Inner Frame & Outer Frame, or Transport Stand & Dolly.

SHIPPING CONTAINERS

Fully enclosed to shield engines against contamination & damage!

| PART NUMBER: Engine OEM | ENGINE(S) ACCOMMODATED | USED WITH OTHER EQUIPMENT | SHOCK-ABSORBING MOUNTS | TIE-DOWN RINGS | FORKLIFT POCKETS | SKIDS | PRESSURE RELIEF VALVE | REMOVABLE COVER FEATURES: | | |
|-------------------------|------------------------|---------------------------|------------------------|----------------|------------------|-------|-----------------------|---------------------------|---------------|-----------------|
| | | | | | | | | WIRE CAGE | LIFTING LINKS | DOCUMENT HOLDER |
| 2C81008 | CF34-8E | 2C81007 (Lifting Sling) | ● | ● | ● | ● | | ● | ● | ● |
| | CF34-8C | | | | | | | | | |
| 2C81054 | CF34-8E | 2C81007 (Lifting Sling) | ● | ● | ● | ● | ● | | ● | ● |
| | CF34-8C | | | | | | | | | |

SITE TRANSPORT

Exceptional engine transport within a facility or between local sites!

| PART NUMBER: Engine OEM AGSE | ENGINE(S) ACCOMMODATED | USED WITH OTHER EQUIPMENT | MAXIMUM TOWING SPEED WITH ENGINE | TIRE AXLE ASSEMBLY | PNEUMATIC TIRE BREAKDOWN DOLLY | TRANSPORT STAND WITH CASTERS | TOW BAR | MANUAL STEERING ADAPTER | AFT RING MOUNT |
|---------------------------------|------------------------|---|----------------------------------|--------------------|--------------------------------|------------------------------|---------|-------------------------|----------------|
| AGSE-E242 | CF34-10E | AGSE-E169 (Base) | 5 mph 8 km/h | ● | | | ● | ● | |
| AGSE-E161 | CF34-8E | 2C81052 (Inner Frame) | 5 mph 8 km/h | | ● | | ● | | |
| 2C81004 | CF34-8E | 2C81025 (Protective Cover) | 3 mph 5 km/h | | | | | | |
| | CF34-8C | 2C81007 (Lifting Sling) 2C81025 (Protective Cover) 2C81080 (Main Mount Adapter) | | | | ● | ● | | ● |

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OEM-APPROVED FOR CF34 ENGINES LIFTING SLINGS, PEDESTAL SETS & PROTECTIVE COVERS

● = Available Feature

LIFTING SLINGS | Stable & versatile overhead support for horizontal build-up or Shipping Stand transfer!

| PART NUMBER: Engine OEM AGSE | ENGINE(S) ACCOMMODATED | USED WITH OTHER EQUIPMENT | MAXIMUM LOAD CAPACITY | CENTER OF GRAVITY ADJUSTMENT FEATURE | DRIVE SHAFT EXTENSION HANDLE | C-SHAPED LIFTING FRAMES | FORKLIFT POCKETS | TRANSPORT CART |
|------------------------------|------------------------|---|-----------------------|--------------------------------------|------------------------------|-------------------------|------------------|----------------|
| 10C1043 | CF34-10E | 10C1025 (Pedestal Set) | 6,200 lbs 2,812 kg | Lifting Eye & Trolley Assembly | ● | | | |
| | CF34-10A | | | | | | | |
| 10C1288 | CF34-10E | AGSE-E094 (Cradle) | 7,500 lbs 3,402 kg | Lifting Eye & Trolley Assembly | ● | | | |
| 10C1306† | CF34-10E | | 3,000 lbs 1,361 kg | | | | | |
| | CF34-10A | | | | | | | |
| AGSE-L034 | CF34-10A | 10C1301 (Cradle) | 7,000 lbs 3,175 kg | Lifting Eye & Trolley Assembly | ● | ● | ● | |
| 2C81007 | CF34-8E | 2C81052 (Inner Frame) 2C81008, 2C81054 (Shipping Containers) | 3,000 lbs 1,361 kg | Lifting Eye & Trolley Assembly | | | | ● |
| | CF34-8C | 2C81008, 2C81054 (Shipping Containers) 2C81004 (Transport Stand) | | | | | | |
| 2C81062 | CF34-8E | 2C81052 (Inner Frame) | 3,500 lbs 1,588 kg | Hanger & Pin-Mounted Sleeve | | | | |
| 2C81000 | CF34-8C | | 3,000 lbs 1,361 kg | Lifting Eye & Trolley Assembly | | | | ● |

†Two (2) Lifting Slings are required to lift an engine.

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

| PART NUMBER: Engine OEM AGSE | ENGINE(S) ACCOMMODATED | MODULE SUPPORTED | NUMBER OF PEDESTALS PER MODULE | MAXIMUM LOAD CAPACITY PER MODULE | ACHIEVES ENGINE CENTERLINE HEIGHT OF: | SITE TRANSPORT ACCOMMODATION | USED WITH OTHER EQUIPMENT | OTHER ENGINES ACCOMMODATED |
|------------------------------|------------------------|------------------|--------------------------------|----------------------------------|---------------------------------------|----------------------------------|---------------------------|---|
| AGSE-T016 | CF34-10E | Fan | 2 | 3,900 lbs 1,769 kg | 63.5" 161 cm | Ball Transfers, Forklift Pockets | | CF6, CFM56, PW2000, PW4000, PW6000, RB211, Trent, V2500 |
| | | LPT | 2 | 800 lbs 363 kg | | | | |
| 10C1025 | CF34-10E | FWD Fan Module | 2 | | | | | |
| | | Aft Fan Module | 2 | 2,250 lbs 1,021 kg | 48" 122 cm | Casters | 10C1043 (Lifting Sling) | |
| | | HPC Case | 2 | | | | | |
| | | LPT Rear Frame | 2 | | | | | |
| | | LPT Shaft | 1 | 1,125 lbs 510 kg | | | | |
| 10C1324 | CF34-10A | FWD Fan Module | 2 | 10,000 lbs 4,536 kg | | | | |
| | | Aft Fan Module | 2 | | | | | |
| | | HPC Case | 1 | 5,000 lbs 2,268 kg | 60" 152 cm | Casters | | |
| | | LPT Rear Frame | 2 | 10,000 lbs 4,536 kg | | | | |
| | | LPT Shaft | 1 | 3,000 lbs 1,361 kg | | | | |

PROTECTIVE COVERS | Lasting defense against dirt, water, and contamination!

| PROTECTS: | | | | | | | | | | | | | | | | |
|------------------------------------|---------------------------|---|----------------|--------------|---------------------|----------------|------------------|------------------|-----|-----|------------------|----------|--------------|-------------|---------------------|-----|
| PART NUMBER: Engine OEM AGSE | ENGINE(S) ACCOMMODATED | USED WITH OTHER EQUIPMENT | FULL ENGINE | FAN INLET | FAN CASING INLET | FAN EXHAUST | EXHAUST FRAME | FAN DISCHARGE | HPC | HPT | LPT FRONT/AFT | OIL TANK | FMU MANIFOLD | FAN SPINNER | COMPRESSOR INLET | AGB |
| 10C1140 | CF34-10E | AGSE-E094 (Cradle) | ● | | | | | | | | | | | | | |
| | CF34-10A | 10C1301 (Shipping Stand) | | | | | | | | | | | | | | |
| 10C1130 | CF34-10E | | | ● | | ● | | ● | ● | ● | ● | | | | | |
| | CF34-10A | | | | | | | | | | | | | | | |
| 2C81068 | CF34-8E | 2C81052 (Inner Frame) 2C81073 (Protective Cover) | ● | | | | | | | | | | | | | |
| 2C81047 | CF34-8C | 2C81033 (Transport Stand) | ● | | | | | | | | | | | | | |
| 2C81025 | CF34-8E | 2C81004 (Transport Stand) | ● | | | | | | | | | | | | | |
| 2C81019 | CF34-8C | | | | ● | | | | | | | | | | | |
| | CF34-8C | | | | | | | | | | | | | | | |
| 2C81026 | CF34-8E | | | | | | ● | | | | | | | | | |
| | CF34-8C | | | | | | | | | | | | | | | |
| 2C81048 | CF34-8E | | | | | | | | | | | ● | | | | |
| | CF34-8C | | | | | | | | | | | | | | | |
| 2C81049 | CF34-8E | | | | | | | | | | | | ● | | | |
| | CF34-8C | | | | | | | | | | | | | | | |
| 2C81073 | CF34-8E | 2C81052 (Inner Frame) 2C81068 (Protective Cover) | | | | | | | | | | | | ● | | |
| | CF34-8C | | | | | | | | | | | | | | | |
| 2C81213 | CF34-8E | | | | | | | | | | | | | | ● | |
| | CF34-8C | | | | | | | | | | | | | | | |
| 2C81605 | CF34-8E | | | | | | | | | | | | | | | ● |
| | CF34-8C | | | | | | | | | | | | | | | |

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