

AAR Mobility Systems has been providing 463L System Cargo Pallets to the United States Armed Forces since the early 1960s and continues to be the world leader in the design and production of 463L System Pallets.

The 463L HCU-6/E Air Cargo Pallet has been the mainstay for cargo movements in the United States Air Force since 1963. Further developments have led to the design and manufacture of enhanced palletized systems, such as Navy undersea rescue platforms and palletized seating systems for all military transport aircrafts with the 463L aircraft cargo loading system.

Our air cargo pallets and palletized airlift systems include:

- Console / Rack Mission Pallets
- Pallets for Air-Transporting ISO Containers
- Custom Pallets for Unique Cargo
- Palletized Seat / Galley / Lavatory Systems
- Navy Undersea Rescue Vehicles
- Integrated Airborne Modules



**AAR Mobility Systems is a world leader in cargo pallet systems**



## Cargo Pallets



Compatible with military and commercial cargo systems; bonded construction with aluminum facings and extrusions; maximum pallet 16G forward restraint load capacity = 15 each 250 lbs. Passenger with 10 lbs. under seat stowed luggage and seating; UV-light resistant; non-skid surfaces, durable Kevlar® / Nomax seat covers; quick egress / ingress seat back trays and lift-up arms

Seat Pallet System 463L 108.0" Wide 15-Passenger	Seat Pallet System 463L 108.0" Wide 10-Passenger	Seat Pallet System 463L 108.0" Wide 12-Passenger	Seat Pallet System 463L 88.0" Wide 12-Passenger
P/N: 50471-001	P/N: 50471-003	P/N: 50471-002	P/N: 50472-001
108"W X 88"L X 48"H (w/ Seats)			
Weight: 795 lbs.	Weight: 670 lbs.	Weight: 725 lbs.	Weight: 790 lbs.
Seats certified to FAA TSO C127a (16G) and TSO C39b (9G)	Seats certified to FAA TSO C127a (16G) and TSO C39b (9G)	Seats certified to FAA TSO C127a (16G) and TSO C39b (9G)	Seats certifiable to FAA TSO C127a (16G) and TSO C39b (9G) U.S.A.F Certifiable

# Cargo Pallets



## 463L HCU-6/E Pallet

Compatible with 463L load restraint system; bonded construction with aluminum facings and extrusions; 22 tie-down rings; corrosion, heat, moisture and UV-light resistant

MIL-DTL-27443 certified; MIL-HDBK-1791 internal aerial delivery requirements for C-5, C-9, C-17, C-27, C-130, CH-47, CN-235, KC-10, KC-46, KC-135

P/N: 50018-001

108"W X 88"L X 2.25"H

Tare weight: 300 lbs. Payload: 10,000 lbs.



## 463L HCU-10/C Pallet

Compatible with 88" W aircraft cargo handling system; bonded construction with aluminum facings and extrusions; 16 tie-down rings; corrosion, heat, moisture and UV-light resistant

MIL-DTL-27443 certified; MIL-HDBK-1791 internal aerial delivery requirements for C-9, C-17, C-27, CH-47, CH-53, CN-235, KC-46, KC-135

P/N: 50029-001

54"W X 88"L X 4.5"H

Tare weight: 215 lbs. Payload: 5,000 lbs.



## 463L HCU-12/E Pallet

Compatible with 88" W aircraft cargo handling system; bonded construction with aluminum facings and extrusions; 16 tie-down rings; corrosion, heat, moisture and UV-light resistant

MIL-DTL-27443 certified; MIL-HDBK-1791 internal aerial delivery requirements for C-9, C-17, C-27, CH-47, CH-53, CN-235, KC-46, KC-135

P/N: 50031-001

54"W X 88"L X 2.25"H

Tare weight: 160 lbs. Payload: 5,000 lbs.



## Intex Air Cargo Pallet

Compatible with 463L load restraint system; external use with all helos; internal use with CH-47 & CH-53 helos; bonded construction with aluminum facings and extrusions; 22 tie-down rings; 4 lift rings, corrosion, heat, moisture and UV-light resistant

MIL-STD-209 certified; MIL-HDBK-1791 internal aerial delivery requirements for C-5, C-9, C-17, C-27, C-130, CH-47, CH-53, KC-10, KC-135

P/N: 50045-002

88"W X 108"L X 4.6"H

Tare weight: 510 lbs. Payload: 10,000 lbs.



## ISO Air Cargo Pallet

20-Foot ISO adapter pallet provides for C-130 emergency access aisle; adaptable to PLS flatrack; certified for transport on air mobility command transport aircraft; bonded construction with aluminum facings and extrusions; slack-free corners eliminate chain gates and other loading techniques for iso containers / shelters; corrosion, heat, moisture and UV-light resistant

MIL-HDBK-1791 internal aerial delivery requirements for C-5, C-17, C-130

### 20-Foot ISO Pallet

P/N: 50052-001

108"W X 240"L X 3.5"H  
4.64"H at corner clamping connectors

Weight: 1,700 lbs.

Payload: 20,000 lbs.

### 10-Foot ISO Pallet

P/N: 50052-002

125"W X 108"L X 3.5"H  
5.08"H at corner clamping connectors

Weight: 950 lbs.

Payload: 10,000 lbs.

# ISO Air Cargo Pallet



Airliftable 20-foot ISO Adapter Pallet

## 20-Foot ISO Air Cargo Pallet

Part Number	NSN
50052-001	1670-01-419-1549
Dimensions	
108" L X 240" W X 3.5" H (4.63" H at clamping connectors in corner of pallet)	
Weight	Payload Capacity
1,700 lbs.	25,000 lbs.

## 10-Foot ISO Air Cargo Pallet

Part Number	NSN
50052-002	
Dimensions	
108" L X 125" W X 3.5" H (5.08" H at clamping connectors in corner of pallet)	
Weight	Payload Capacity
950 lbs.	10,000 lbs.

### Certifications

Complies with the Internal Aerial Delivery Requirements of MIL-HDBK-1791 of the listed aircraft	C-5
	C-17
	C-130

Note: 10-foot ISO Pallet is not ATTLA Certified

## Features

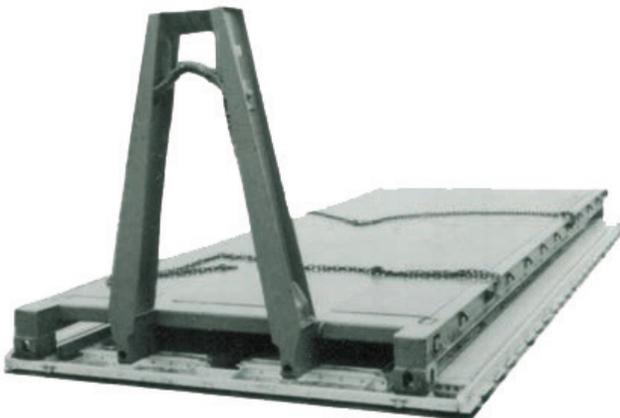
- Corrosion, heat, moisture, and UV-light resistant
- Equipped with channels to accept shelter skids
- Provides C-130 emergency access aisle
- Bonded construction with aluminum facings and extrusions

## Capabilities

- Air-mobile 20-foot ISO adapter pallet
- Adaptable to the PLS Flatrack
- Slack-free corner connectors eliminate chain gates and other loading techniques for ISO containers / shelters
- Certified for transport on Air Mobility Command Transport Aircraft



20-foot ISO Adapter Pallet



PLS Flatrack attached to ISO Air Cargo Pallet



Quick attachment of container to the pallet

# 463L HCU-6/E Pallet



AAR Mobility Systems is the United States Air Force's only certified refurbishment and repair center for both the legacy balsa core and NextGen all aluminum friction stir weld pallets.

Part Number	NSN
50018-001	1670-00-820-4896
Dimensions	
108"W X 88"L X 2.25"H	
Tare Weight	Payload Capacity
300 lbs.	10,000 lbs.

Certifications	
MIL-DTL-27443	
Complies with Internal Aerial Delivery Requirements of MIL-HDBK-1791 for the listed aircraft	C-5
	C-9
	C-17
	C-27
	C-130
	CH47
	CN-235
	KC-10
	KC-46
	KC-135

## Features

- Corrosion, heat, moisture, and UV-light resistant
- Compatible with 463L load restraint system
- Bonded construction with aluminum facings and extrusions
- 22 tie-down rings (7,500 lbs. capacity each in any direction)

## Capabilities

- Transportable by both air and surface methods
- Meets military and commercial air transport requirements
- Provides on-site short-term storage of equipment and materials
- Lightweight, durable construction
- Minimal field maintenance
- Provides cargo capacity up to 10,000 lbs.
- Enables rapid deployment of cargo
- Empty pallets can be stacked for storage
- Forkliftable with standard 10,000 lb. fork truck with 72" tines



HCU-6/E Pallet shown with cargo secured with net (sold separately) being lifted onto flatbed trailer