



JRaDS

JOINT RECOVERY AND DISTRIBUTION SYSTEM

TRUE INTER-MODAL ADVANCED CARGO HANDLER

Ability to Handle a Variety Payloads



Pallets



CROPs



Vehicles*

All-Terrain Capability



Self Load and Unload



Aircraft



Ground*



Truck*

* Actual pictures of JRaDS test and development mobile test fixture sized for distribution operations (30,000 lb)

JRaDS

Joint Recovery and Distribution System

One Design, Many Uses

The Joint Recovery and Distribution System (JRaDS) is a revolutionary cargo-handling system that combines two very distinct operational capabilities: cargo distribution and vehicle recovery. JRaDS offers a variety of cargo-handling and vehicle recovery capabilities based on its unique construction and patented technology. This family of trailers offers a variety of features, lengths, and load capacities to support the following operations:

- Improved line-haul transport of equipment, supplies, and engineering vehicles to include off-road and on-road operations
- Inter-modal load transfer and direct delivery of palletized loads to/from aircraft and to/from ground
- Recovery and transportation of disabled vehicles

Distribution Operations

Distribution operations can start at a ground or air cargo distribution center. JRaDS can then perform a variety of load and off-load operations while supporting direct delivery to the customer with its self-loading and off-loading capability. JRaDS reduces reliance on material handling equipment (MHE) during cargo transfer operations. An optional crane with forklift attachment is integrated into the JRaDS design and can complete the loading and movement operation if necessary.

The JRaDS also performs standard line-haul operations at highway speeds and conforms to U.S. and NATO standards for both military and commercial operations. In addition, it can perform line-haul operations off-road.

Vehicle Recovery and Transportation

The JRaDS vehicle recovery capability comes from its advanced design, enabling it to rapidly recover disabled and/or severely damaged vehicles such as buses, trailers, and engineering equipment.

Key capabilities include:

- Tilting deck, to allow drive-on or drag-on operations
- Integrated 60,000 lb recovery system

Aviation Recovery

JRaDS on-road and off-road capability provides rapid recovery of downed aircraft. The JRaDS trailer is also equipped with a suspension system which prevents additional damage to the recovered aircraft during recovery and line-haul transport. Optional equipment includes an integral crane which supports aircraft disassembly to meet line-haul requirements.

JRaDS Overall Design

- Interfaces with pintle hook- and fifth wheel-equipped vehicles
- Enables pintle hook-equipped standard trucks to perform the Load Handling System/Palletized Loading System mission with the JRaDS self-loading capability integrating on-load and off-load CROPs, flatracks and containerized loads
- Reduces the logistics footprint by minimizing the need for special material handling equipment such as cranes, forklifts and K-loaders
- Provides recovery and evacuation of inoperable and catastrophically damaged vehicles and downed aircraft

Distribution Features

- Multi-modal cargo-handling deck with adjustable height, pitch, and roll
- Fully powered rollers to handle movement of palletized loads during loading operations
- Direct loading and unloading operations to aircraft
- Independent suspension enabling off-road operations in all terrain environments

*** Trailer shown on front cover is JRaDS test and development Mobile Test Fixture sized for distribution operations (30,000 lb)**

For more information please contact:

Anibal (Andy) Garcia
JRaDS Program Manager
Telephone: (562) 593-2585
E-mail: anibal.j.garcia@boeing.com

Ted Berger
JRaDS Business Development
Telephone: (314) 232-6701
E-mail: ted.j.berger@boeing.com

www.boeing.com

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