



PRODUCT GUIDE



RCE EQUIPMENT SOLUTIONS—ENERGY DIVISION

1901 Harrison Avenue, Rockford, IL 61104

866-472-4570

www.rcequip.com

Purchase—Rent—Lease—Parts—Service

TRACK BOOMS

Available Excavators:
85G, 135G, 250G, 350G

The first of its kind in the RCE product line, the Track Boom—a material handling boom—is ideal for lift and hold applications. An alternative to the traditional purpose-built pipelayer, the Track Boom is a fraction of the cost and provides the ultimate in application versatility—one day a Track Boom, the next an excavator bucket—with ease. The Track Boom is installed with a Crane Smart System, providing accurate load stats on the job to keep your people and equipment safe.

The Track Boom was designed for an excavator or Railavator (high rail excavator). RCE can outfit five excavator models with a Track Boom, but the attachment can also be sold separately which provides the option to use conventional excavators sitting in your fleet. It was fully engineered for use on a Deere excavator, but can be modified for all makes equipment.



KEY FEATURES: TRACK BOOM

Custom designed for particular application in terms of lift and hook height

Engineered with 3D modeling and finite element analysis for stress concentrations

All joints machined, brushed and greased

Welding to ASTM standards

All testing to SAE standards

Fully tested load cart (see below)

Crane Smart System with the following features:

- Load cell with live weighing
- Overload warning and anti-2 block warning
- Wireless communication and In Cab Panel
- Boom angle sensor and off-level sensor

Hydraulic de-rate for overload

Hydraulic winch with brake

2 part hook block

Boom/winch controls in right joystick

Auxiliary function to run winch and plumbed to tank for winch brake

DY form 18 rotation resistance cable

Installation and removal back to an excavator in a day



The RCE engineering team can design custom boom lengths for special applications.

LOAD CHART FOR RCE TRACK BOOM—Boom Length: 24.5 ft

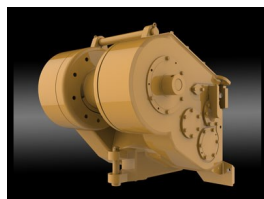
Distance from Center of Rotation	10 Ft. (3.05 m)			15 Ft. (4.57 m)			20 Ft. (6.1 m)			25 Ft. (7.62m)		
Boom Angle	67°			54°			37°			0°		
Orientation	Over Front/Rear	45°	Over Side	Over Front/Rear	45°	Over Side	Over Front/Rear	45°	Over Side	Over Front/Rear	45°	Over Side
MAXIMUM LOAD (Lb)	45000	45000	45000	45000	44618	35085	25700	32853	20451	12000	12000	12000
MAXIMUM LOAD (Kg.)	20412	20412	20412	20412	20238	15914	11657	14902	9276	5443	5443	5443

The above loads are valid on a level surface. The above loads are valid for John Deere 350D LC Excavator, serial #FF350DX806724, fitted with the following configuration: RCE 24.5 Track Boom (serial #CB10814), McKissick pulley block 25 ton rated (model EX E250D14M), Braden Winch (model PD15B-4064-05-1). The above load figures do not exceed 75 percent of weight needed to tip machine. All lift capacities are based on SAE J1097 requirements and test methods.

RCE'S RENTAL FLEET

▶ WINCH TRACTORS

- **John Deere Dozers equipped with Hydrostatic Winches**—As the proven workhorse of the energy-related market, a dozer with winch is essential for operating in rough terrain conditions where uptime is key to success and the winch is fundamental in maintaining mobility under any conditions.
- **RCE's Rental Fleet includes the following John Deere Dozer Models with Winches:** 450J/K, 550J/K, 650J/K, 750J/K, 850J/K, 1050J/K



**CONTACT YOUR RCE
REPRESENTATIVE
FOR RATES AND
AVAILABILITY!**

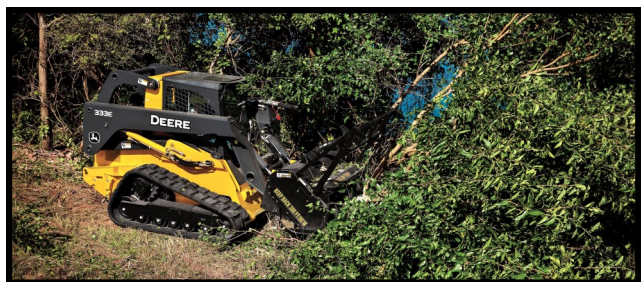
▶ CRANE MAT HANDLING EQUIPMENT

- **Large 4WD Loaders with Couplers, Buckets and Forks**—RCE has a large fleet of 744K/824K/844K Loaders equipped with various couplers, buckets, and forks to handle and transport mats to the yard for site distribution. The machines can also unload trucks and distribute materials with forks.
- **Excavators with Thumbs and Grapples**—We can equip more than 20 different excavator models with thumbs or grapples to place and remove mats.



▶ BRUSH CLEARING EQUIPMENT

- **Excavators with FECON Mulching Heads**—RCE's Brush Cutter is ready to chop, even in the roughest terrain. Offering multiple options, RCE's Brush Cutters can be customized by excavator model and size of tree grinding and brush clearing heads. The available mowing heads make a clear cut without the hazards of flying debris.
- **Compact Track Loaders with Mulching Heads**

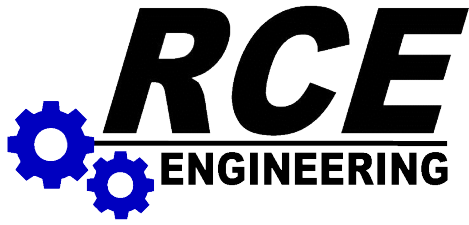


▶ FULL LINE CONSTRUCTION EQUIPMENT

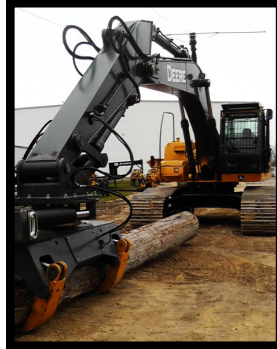
RCE offers the full line of conventional John Deere construction equipment for projects in Illinois, Indiana and Michigan.



DISTINCTIVE ENGINEERING



At RCE, we're all about customization. With a full-time, on-site engineering team with over 20 years of equipment development experience, rest assured we can bring your vision to reality. The engineering and manufacturing of specialized tools or equipment modifications is done in-house so customers have constant support from beginning to end. The RCE engineering team has designed specialty products and tools for the energy sector, including unique grapples and large drills for specific applications.



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