

## Clement's RollStar 2-Box: Easing the driver's workload makes for greater safety and productivity.



Operators of roll-offs are turning to the Clement RollStar 2-Box as the answer to the distance between plant sites and the hundreds-of-miles-away final destinations.

Clement's RollStar 2-Box is a frame type of 30-inch fabricated I-beam construction. A rear mounted tilt-frame with twin 6 x 79-inch hydraulic lift cylinders loads standard boxes up to 24-feet in length.

Once loaded via the winch and tilt-frame, boxes are moved forward and rearward by a hydraulic motor and chain conveyor system.

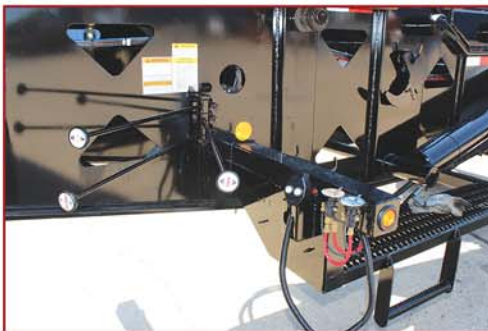


Operating from the premise that "less physical labor" makes for a safer, happier, and more productive driver, Clement has completely redesigned the operator's experience with the RollStar 2-Box.

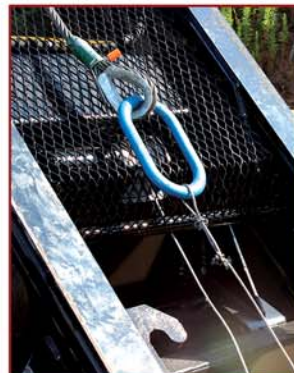
### **Clement's complete redesign of the way a driver operates the RollStar 2-Box**

#### **Central Controls:**

All trailer controls are located together in a console on the left side of the trailer so the driver operates the trailer with a minimum of "moving around the trailer."



**Handy Step:** A step has been added to the operator's console for ease of access during the transfer process.



**No Pulling:** An electric winch has been added for the purpose of moving the winch cable to the tail of the trailer for box pickup. It's controlled from the operator's console.



**New Stop Blocks:** Newly-redesigned lighter weight moveable stop blocks, strategically placed on both sides of the trailer, are easier for the driver to move and position.

**No tools are required for any step of the loading/unloading process of the Clement RollStar 2-Box.**

## Clement's RollStar 2-Box: Easier, Simpler and Safer!



**Two-box Frame type Roll-off Spread Tandem Air-Ride**

	SUSPENSION STYLE	CODE	CAP	HOIST	DUMP ANGLE	WT TOTAL	AXLE SPACING
<b>Winch Style</b>							
DBROT-4820-W-ETSA	Tandem 4 Spring	BZY		Twin 6"	45°	13,954	49
DDROT-4820-W-ET2SA	Spread Air	BZN		Single 6"	45°	13,078	121
DBROT-4820-W-ET3A	Tandem 6 Spring	BZN		Twin 6"	45°	0	49
DBROT-4820-FT-BR	Bridger S.P.	BPD		Twin 6"	45°	15,269	
<b>Reeving Style</b>							
DBROT-4820-R-ET2A	Closed Tandem	CCP		Twin 6"	45°	0	49
DBROT-4820-R-ET2SA	Spread Air	CCQ		Twin 6"	45°	16,583	121
DBROT-4820-R-ET3A	Tandem 6 Spring	CCR		Twin 6"	45°	0	49

### General Specifications

Capacity: Minimum container size at center – 20-feet, with 50,000# load, smaller sizes must be moved to the front.

#### Chassis

**Frame:** 30-inch fabricated I-Beam  
**Suspension:** See Chart  
**Axles:** 102-inch, 5/8 Wall, 5-inch Round  
 Common Inner/Outer Bearings  
**Wheels:** 8.25 x 24.5, Hub-Piloted  
**Tires:** 11.00 x 24.5 Radial  
**Brakes:** Air 16-1/2 x 7-inch Cast Drum  
**ABS:** 2S 1M  
**Axle Spacing:** See Chart  
**Lights:** 12 Volt Sealed Beam  
**Wiring:** Sealed Harness Modular Plug-In  
**Back-Up Alarm:** Yes  
**Rear Impact Guard:** Yes  
**Container Hold Downs:** Front and Rear  
**Paint Finish:** Urethane Enamel over primed surface  
**Two-Speed Stiff Legs**

#### Lift Assembly

**Lift Frame:** 9-inch Tube  
**Rails Outside:** 34.25-inches **Rails Inside:** 26.25-inches  
**Rollers:** (each side) (6) 5-inch OD on Tilt, (6) 4-inch OD on Main - all with Brass Bushings and grease Zerks  
**Roller Top to Ground:** 55-inches  
**Cable:** 3/4-inch  
**Lift Cylinder Hoist:** Twin – 6 x 79-inch Outboard cylinder  
**Winch Line Pull:** 29,762# (ability to load approx. 42,000# container)  
**Reeving Cylinders:** 2 – 6 x 79-inch  
**Reeving Cylinders Line Pull:** 28,274# (ability to load approx. 42,000# container)  
**Front Box Transfer System:** Hydraulic motor and conveyor chain moves box both forward and rearward from its position on tilt frame to/from main frame.  
**Hydraulic Controls:** 3-bank manual control valve mounted approximately center of trailer on the driver's side.\*  
*\*Note: Hydraulic Reservoir Capacity Required:  
 Winch Model – 50 gallons, Reeving Model – 75 gallons*