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Rammax Viper Trench Roller



SCT 
Straight Compaction
Technology

Articulation and innovation

Construction Starts Here

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Rammax Viper Trench Roller

The Viper RX1510-series will change your opinion of articulated trench rollers. It features innovations such as an industry first Z-frame design, Straight Compaction Technology (SCT), and an oscillating articulation joint that requires zero maintenance. These are just a few of the engineering ideas that make up the smoothest steering articulated trench roller available today—the Viper RX1510-series—exclusively from Multiquip.



Liquid cooled Lombardini engine features idle control for improved fuel economy.

Large radiator keeps engine operating temperatures low during extreme applications.

Steel construction minimizes damage caused by equipment buckets or by accidental tip over.

Dual receiving eyes offer a clear line of sight and eliminate blind spots while using the infrared remote control.



Patented above-drum exciter with vibrator motor access panels provide easy service access and reduces down time.

Patented SCT Straight Compaction Technology delivers equal amplitude to all four drums by positioning each eccentric perpendicular to drum rotation for better compaction.



Oscillating articulation joint enhances stability and optimizes drum contact with the soil for superior compaction; requires no greasing.

Patented internal drum scrapers prevent dirt build up between drums and ensures maximum power in tough soil conditions.

Articulation and Innovation

The Viper has many features designed to enhance productivity and reduce maintenance:

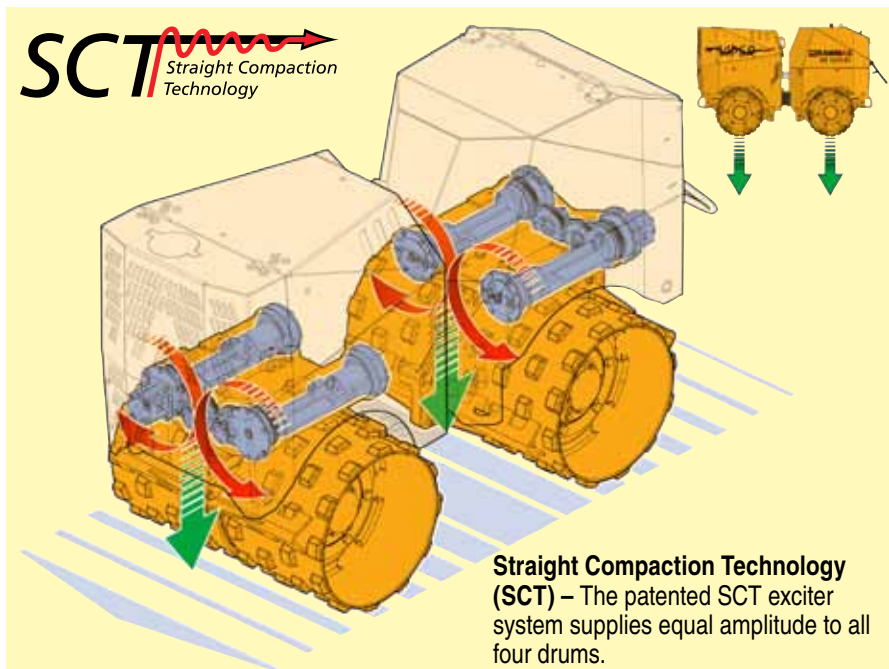
- **Steel construction** provides superior strength and durability compared to designs that use plastic.
- **Excellent turning radius** is achieved by locating hydraulic cylinder inside the roller frame.
- **Heavy-duty latches** require no greasing.
- **Variable centrifugal force** enables you to adjust the compaction force to your application. Select between 15,543 pounds of force in the high setting and 7,606 pounds of force in the low setting.
- **Simple drive system** features a drive motor in each drum and eliminates hoses that can complicate service.
- **Automatic idle control** reduces engine RPM when the machine is inactive. Helps save fuel and extend engine life.
- **Failure diagnostic system** is standard for quick troubleshooting.
- **Dual controls** — cable tether and infrared remote — are standard with the RX1510CI model, providing a convenient backup option should either control become lost or damaged.
- **Solar powered remote** charges immediately in daylight or with incandescent or fluorescent lighting (RX1510CI only). No delay waiting for remote to completely charge.
- **Central lifting eye** provides secure pickup point for the machine without stretching shock mounts.



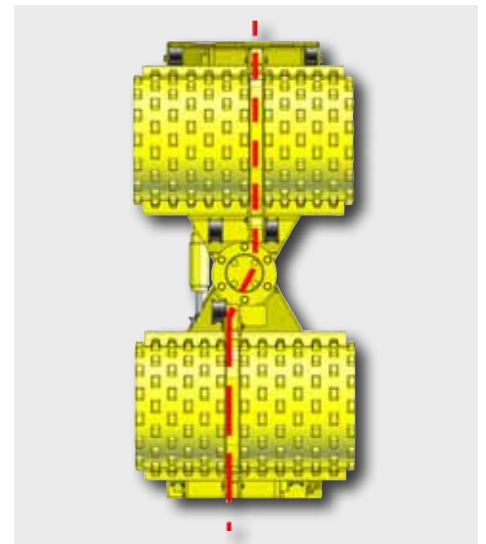
Dual Controls – The Viper RX1510CI roller comes with both an infrared remote and a cable control as standard equipment. (RX1510C models include cable control only.)



Oscillating articulation joint enhances stability and optimizes drum contact with the soil for superior compaction; requires no greasing.



Straight Compaction Technology (SCT) – The patented SCT exciter system supplies equal amplitude to all four drums.



Patented Z-frame design with overlapping drums leaves no space uncompacted as the roller makes a pass.

Rammax RX1510CI Viper Trench Roller Specifications

Model	RX1510CI	RX1510C
Operating Weight — lb. (kg)	3,373 (1530)	
Overall Length — in. (mm)	73 (1844)	
Overall Width — in. (mm)	24 (630); 33 (850)	
Overall Height — in. (mm)	45.7 (1160)	
Drum Width — in. (mm)	33; 24 (850; 630)	
Drum Diameter — in. (mm)	20.7 (525)	
Total Applied Force — lb. (kN)	18,916 (84)	
Centrifugal Force — High — lb. (kN)	15,543 (69)	
Centrifugal Force — Low — lb. (kN)	7,606 (34)	
Vibrations Per Minute — VPM (hz)	2,460 (41)	
Dynamic Linear Force Per Drum — lb./in. (kg/cm)	24" — 325 (58); 33" — 258 (46)	
Hydraulic Oil Tank Capacity gal. (l)	10.8 (41)	
Engine Make/Model	Lombardini LDW 1003	
Engine Power — HP* (kW)	18 (13.5)	
No. Cylinders	3	
Diesel Fuel Tank Capacity gal. (l)	6.6 (25)	
Engine RPM	2,650	
Starting Method	Electric	
Inside Turning Radius — in. (mm)	24" — 59 (1490); 33" — 54 (1370)	
Travel Speed High — ft./min. (m/min)	0 to 125 (38)	
Travel Speed Low — ft./min. (m/min)	0 to 52 (16)	
Gradability with/without Vibration — %	50/60	
Articulation Angle (left and right)	30°	
Oscillation Angle (left and right)	8°	
Infrared Remote	Standard	N/A
Cable Control	Standard	

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* Engine power ratings are calculated by the individual engine manufacturer and the rating method may vary among engine manufacturers. Multiquip Inc. and its subsidiary companies makes no claim, representation or warranty as to the power rating of the engine on this equipment and disclaims any responsibility or liability of any kind whatsoever with respect to the accuracy of the engine power rating. Users are advised to consult the engine manufacturer's owners manual and its website for specific information regarding the engine power rating.

Option: **KIT24V** — 24" drums
KIT33V — 33" drums

Your Multiquip dealer is:



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