



SPEEDCRAFTS

ASPHALT & CONCRETE EQUIPMENT

When nations are to be built...
...there is one name you trust

THREE WHEEL STATIC ROAD ROLLER DRR/10



Operating Weight

Unballasted: 8,000 Kg
ballasted: 10,000 Kg

**Engine
Power**

SIMPSON S433 (I)
30.57 kW @ 1500 rpm

DIESEL ROAD ROLLER

TECHNICAL DATA

MODEL	DRR/10	
Unballasted weight	8,000 kg.	
Ballasted weight	10,000 kg.	
Engine S433(I)	30.57 kW at 1500 rpm.	
Emission	BS-III.	
Overall length	4880 mm.	
Overall width	1810 mm.	
Overall height	2860 mm.	
Dia. of rear rolls	1370 mm.	
Width of rear rolls	535 mm.	
Dia. of front rolls	1030 mm.	
Width of front rolls	940 mm.	
Line pressure	Front rolls	Rear rolls
Minimum	27.6 kg/cm	47.5 kg/cm
Maximum	41.1 kg/cm	61.7 kg/cm
Overlap of rolls	100 mm.	
Wheel base	2800 mm.	
Turning radius	4885 mm.	
No. of speeds	4 forward and 4 reverse.	
Speed	0 to 9.00 km/hr.	
Ground clearance	300 mm.	
Gradeability	20%.	
Fuel tank capacity	150 ltrs. (including spare tank)	
Water tank capacity	225 ltrs. (including spare tank)	

Type

'SPEEDCRAFTS' 3-wheeled Diesel Road Roller is 4 forward & 4 reverse speed, capacity 8/10 tonnes. Fitted with heavy duty bearing in all three wheels.

Chassis & Frame

Fabricated from mild structural steel and all joints checked and tested to performance. Easy accessibility to all parts for overhaul and inspection is given utmost importance in design.

Prime Mover

Powered by Simpson S433(I), 4-cylinder, 4 cycle, water-cooled, direct fuel injection, natural aspirated diesel engine with 12 volt electric starting system and an alternative hand start arrangement.

Transmission

Mechanical power transmission for uniform & smooth transmission of power. The clutch, gearbox and differential are integrated in a single unit. The clutch is of heavy automotive double acting type, controlled by a single hand lever. A forward or backward movement of the lever gives a smooth and instantaneous corresponding direction of travel to the roller in any gear setting. The gears, pinions, shafts are housed in a mild steel fabricated gearbox and are made out of special and recommended alloy steels. A differential locking arrangement is provided and is operated from the driver's seat.

Lubrication

Oil splash in gearbox and easily accessible grease nipples, cups and oiling holes.

Rolls

Fabricated out of mild steel plates.

Brakes

Service brake: Fully self-wrapping, external contracting type, controlled by a foot-pedal
Parking brake: Mechanical, hand-wheel independently.

Steering

Easily operated hydraulic steering comprising of worm shaft and gear. It is designed to give jerk free movement to the front rolls.

Front Roll Yoke

Mild steel fabricated construction, with an efficient and strong built-in pivot, designed to withstand sudden jerks and loads.

Scrapers

Adjustable and reversible scrapers are fitted to cover the entire width of all rolls.

Pressure Balancing Device

A sliding weight in the chassis, operated by a handle, is provided to vary pressure on the front and rear rolls.

Awning

Made of steel sheets lined with hardboard and provided with side and end canvas curtains.

Water Tank & Sprinklers

Water is fed by gravity to the sprinklers above each wheel controlled by a wheel valve.

Towing

A bird-mouth with draw-pin is bolted to the rear of the chassis for towing trailers etc.

Ballast

Arrangement for ballasting the roller with either sand or water is provided in all the rolls.



SPEEDCRAFTS



Speedcrafts, the flagship company of our group was established in 1971 in Patna, the capital of Bihar. From a modest beginning, today our manufacturing unit covers 27 acres of land, with approx. 25,000 sq. mtrs. (250,000 sq. ft) of covered area, in-house machine shops, forging arrangement, fabrication shop, mechanical, hydraulic and electrical assembly facilities and paint shop as well as handling and packing facilities.

A TRADITION OF ENGINEERING EXCELLENCE

All our products are built to stringent international and Indian standards and have found acceptance and acclaim by all users, both in the domestic and international markets. Our customer includes Private Contractors, State Government Road Departments and Industries, Defence, Indian Railways, etc.

From the very inception, our dynamism has resulted in increased sales and diversification into a wide variety of engineering goods and services.

Our joint venture with M/s Harsco Track Technologies, North America's largest manufacturers of Permanent Way Equipment, has introduced several new innovative Track Construction and Maintenance Products in Indian Railways.

Our Pothole Repairing Machines developed with US technology, a revolutionary concept in pothole repairs, are also gaining popularity.

QUALITY CONSCIOUSNESS AND INNOVATIONS

All products manufactured are thoroughly inspected and tested for quality and reliability. Our inhouse testing laboratories are equipped with advanced and sensitive testing equipment controlled by experienced Engineers, faithfully uncompromising on quality. The checks begin with the incoming material and components and end only when the finished product is tested and despatched.

Product improvement and new product development is a continuous process. Our Engineering wing, with computerised work stations and manned by highly experienced, qualified and motivated Engineers is continuously working on tomorrow's solutions.

Having established an ethos of engineering excellence and product superiority for over 40 years, our group is committed to consumer satisfaction in terms of sales and service. Our vision is to see India emerge as a country with the best road and rail network in this part of the globe. We have accepted the challenges of the new millennium and geared our R&D team for precisely that. It is this commitment towards quality consciousness and consumer satisfaction that has bagged us the prestigious ISO certification endorsing the superiority of our products and services.

The coming years will see some new products for making super highways to handle the pressures of high volume and high speed transportation and to make track maintenance easier and rail travel safer. We are in the progress of forging new alliances and acquiring technologies required for making such machines.

The latest additions to our activities include :

- * Manufacture and contracting of Mobile Flash Butt Welding Machines for Rails in association with M/s E. O. Paton (Hong Kong) Ltd.
- * Manufacture of Hydrostatic Sensor Pavers.
- * Manufacture of Asphalt Batching Plants.
- * Manufacture of Self Loading Concrete Mixers.

SPEEDCRAFTS

www.speedcrafts.com
www.speedcrafts.net

SPEEDCRAFTS LIMITED

MARKETING HEADQUARTERS

'Unitech Business Zone'
Tower C, Unit No. 804
Nirvana Country, Sector 50
Gurgaon - 122 001, (Delhi NCR)
Tel : 0091-124-2219968
Fax : 0091-124-2219928

CORPORATE OFFICE

'Layak Bhawan'
Boring Canal Road
Patna - 800 001, Bihar
Tel : 0091-612-2534514 / 2520914
Fax : 0091-612-2527029

REGIONAL OFFICE

'Neelamber Building'
Flat No. 5F, 5th Floor
28-B, Shakespeare Sarani
Kolkata - 700 017, West Bengal
Tel : 0091-33-22804458
Fax : 0091-33-22905390

MANUFACTURING UNITS

UNIT - I

Plot No.1A, Sector-7, IIE (SIDCUL)
Hardwar, Uttrakhand, India

UNIT - II

Layak Enclaves, Sahay Nagar
Phulwarisharif, Patna, Bihar, India

CIN : U34100BR1971PLC000904



Email :

info@speedcrafts.com | info@speedcrafts.net

