



# BITELLI®

## SF 200 RS

DEEP CUT

COLD PLANER

FOR ASPHALT AND CONCRETE



The machine shown can be fitted with additional equipment

### DIESEL ENGINE

Make and model	Mercedes OM 502 LA
Turbocharged Intercooler with electronic control	
8 Cylinders in V pos. (90°)	Liquid cooling system
Output at 1800 rpm (80/1269/EWG)	420 kW (563 HP)
Displacement	15,930 cm <sup>3</sup> (972 in <sup>3</sup> )
Fuel consumption	200 g/kWh (26 gal/h)
Electric system	24 V

### WEIGHTS

Shipping weight	27,500 kg (60,637 lbs)
Operating weight (CECE reg.)	29,200 kg (64,386 lbs)

### SPEED

Operating speed	0÷ 38 m/min (124.5 fpm)
Travel speed	0÷ 5.9 km/h (3.6 mph)

### CRAWLERS

No. of crawlers	4
Crawler base	1060 mm (41")
Width	260 mm (10")
Height	610 mm (24")
Ground pressure	6.5 kg/cm <sup>2</sup> (92.5 lbs/in <sup>2</sup> )
Steering	power steering

### MILLING DRUM

Max. milling width	2010 mm (79")
Max. milling depth (single pass)	320 mm (13")
Diameter (picks included)	1070 mm (42")
No. of picks on standard drum	178
Max. inclination	± 7°30'

### FOLDING LOADING CONVEYOR

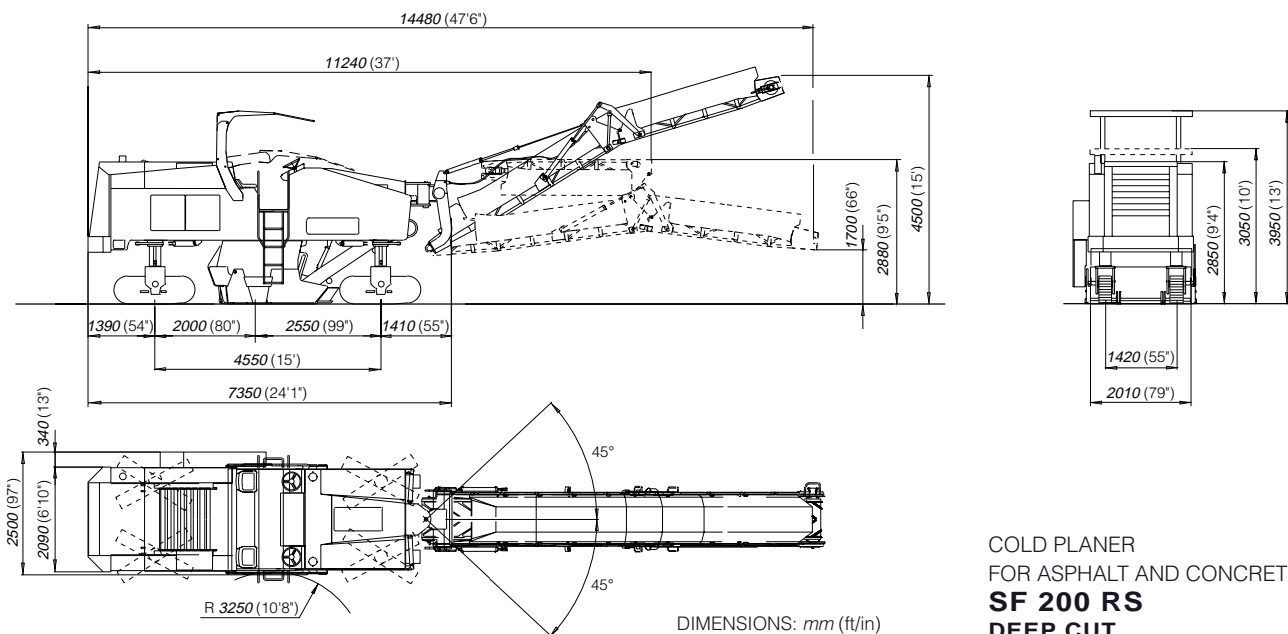
Theoretical capacity	390 m <sup>3</sup> /h (510 cu. yards/h)
Extractor belt width	800 mm (31")
Loading belt width	800 mm (31")
Discharge height from ground	1700÷ 4500 mm (66"÷ 15')

### TANK CAPACITIES

Fuel	800 l (212 gal)
Hydraulic oil	190 l (50 gal)
Water	3000 l (792 gal)

### ON REQUEST:

- 2.00 m (79") fine cutting cutter drum
- Slope control
- Hydraulic hammer connection
- Pneumatic tool removal kit



**COLD PLANER  
FOR ASPHALT AND CONCRETE  
SF 200 RS  
DEEP CUT**

**MAIN FRAME:** heavy-duty monolithic frame with built-in fuel and water tanks.

**ENGINE AND TRANSMISSION PARTS:** electronic control turbocharged intercooler diesel engine drives all hydraulic pumps and milling drum rotation drive through a hydraulic plate type clutch.

**DRIVE:** hydrostatic with variable displacement pump and two-speed axial piston motors driving all 4 crawlers.

Operating and travel speeds are infinitely variable.

A non-slipping system, controlled from the driving position, ensures optimum traction on all surfaces.

Drive control is electronically and automatically adjusted by varying the working speed in relation to the milling drum effort.

**SUSPENSIONS:** chromed cylinders, hydraulically operated, support all 4 driving and oscillating crawlers fitted with polyurethane tracks.

**MILLING DRUM:** mechanically driven by the diesel engine through a clutch power band transmission with two speed pulleys and a hydraulic belt tightener.

Removable heavy-duty plates protect the milling drum housing.

The machine is equipped with a milling drum fitted with **patented** quick releasing conic tool-holders that ensures deep penetration and minimum tool wear.

Tool-holder replacement is fast and secure thanks to the characteristics of the conic tool-holder.

The rear scraper door can be raised hydraulically to speed up eventual tool changes.

The pressure applied by the scraper blade on the ground can be varied from the driving position or besides rear left ground control panel.

An anti-slab device, hydraulically controlled from the driving position, provides optimum gradation, protects extractor conveyor belt and gives an excellent discharge opening to the cutter housing.

**MILLING DEPTH ADJUSTMENT:** is adjusted hydraulically by raising and lowering the front columns. The front columns can also be individually controlled.

The milling depth is preset on the displays of the programmable grade controls that can be positioned at the operator station or above the rear ground control panels. These levelling devices provide an

accurate control of the milling depth. Mechanical scales also provide the operator with a visual check of the rear levels.

**HYDRAULIC SYSTEM FOR ANCILLARY FUNCTIONS:** a variable displacement "Load Sensing" pump controls all machine ancillary functions. This system optimizes the power absorbed in relation to the functions in use.

**WATER SPRAY SYSTEM:** consists of two separate circuits fed by two pumps. One is used for the main spray bar in the milling drum housing whilst the other, for dust abatement in heavy-duty applications, supplies the second spray bar in the milling drum housing and the nozzles above the primary conveyor.

Spray bars in stainless steel for long life operation.

**CONVEYORS:** the loading conveyor can be slewed either side, is adjustable in height and can be hydraulically folded to facilitate transportation. Both extractor and loading conveyors allow the sense of rotation to be inverted and have variable belt speed.

**BRAKES:** the hydrostatic transmission provides the machine service brakes. The emergency brake is a spring-applied brake with hydraulic release on all four crawlers.

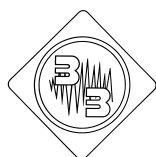
**DRIVING POSITION AND CONTROLS:** operator station is fitted with a hydraulically folding canopy with plexiglass screens. The two driving positions are fully equipped with warning lights and main operating controls that also include a digital working speed display. Hydraulic side panels, controlled from the driving position and ground level, facilitate flush curb milling, drum maintenance and allow a rapid exit from the milled trench. Hydraulic side panels cables are preloaded.

**STEERING:** front and rear crawler steering can be controlled simultaneously both at work and during transfer operations.

Rear crawler steering can be set and varied proportionally with steering radius shown on a display panel fitted to the dashboard. The rear crawlers are fitted with an automatic self-alignment system.

**REFUELLING:** 500 l/min (132 gal/min) water pump and electric fuel pump permit machine water filling and refuelling operations on-the-go.

**LIGHTING SYSTEM:** a powerful set of quick fitting work lights guarantee optimum night vision.



**BITELLI®**

Via IV Novembre, 2 - 40061 MINERBIO (Bologna) - ITALY  
Tel. +39-051-6607111 - Fax +39-051-6607115  
www.bitelli.com



Nr 50 100 1344 Certified  
UNI EN ISO 9001:2000