

**MERIROAD**

**RC-4220 ST**

**For crushing roads**



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## RC-4220 ST

# For crushing roads

### MERIROAD WORKING ENVIRONMENTS

#### ROAD CONSTRUCTION

- Gravel road maintenance
- Preparing of hauling lines
- Maintenance of forest roads
- Ice and hard packed snow removal from roads, side walks, intersections, parking areas

#### EQUIPMENT

##### FEATURES

- Hardox liner (frame)
- STD Rotor with carbide cutters
- Possibility to turn the rotor

##### OPTIONS

- POC - safety clutch (patented)
- Support wheels
- Rear belt
- Hydraulic Top Link
- Rear support skids
- Front plate (UP-Rotation)

#### Base machine demand

Four wheel tractor	
Mounting	CAT 2
Auxiliary hydraulic	1 pcs. 2-way
PTO	(540)/1000 rpm
Working speed	Creep gear recommended

#### Technical data:

Power range	70 - 90 hp
Transmission	Mechanical PTO
Final gear	Chain gear 2-row
Clutch	POC-2 or FT44
Rotor diam / width	400 / 2250mm 16 / 89 inch
Cutter qty.	96 (T25 Rotor)
Working depth	200 mm / 8 inch

#### Main dimensions:

Lenght	1550 mm	61 inch
Widht	2700 mm	106 inch
Height	1220 mm	48 inch
Weigth	930 kg	1570 lbs
Weigth, with options	1290 kg	2320 lbs

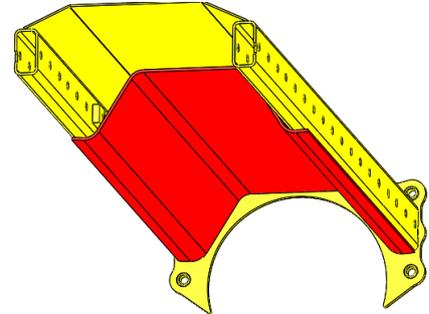


## TECHNICAL FEATURES

# MERIROAD RC-4220 ST

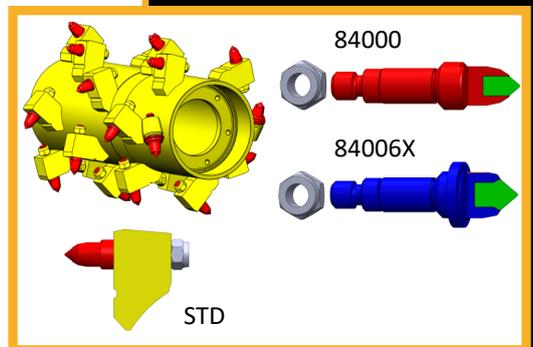
### FRAME

- Frame is having light and strong structure.
- **HARDOX WEAR PLATE**
- HDX-Wear plate is attached by welding and it can be replaced afterwards



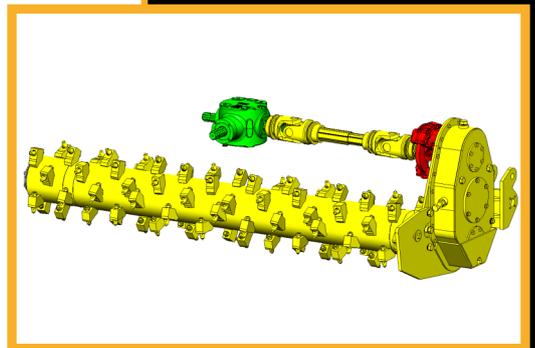
### ROTOR

- **STD** rotor guarantee very fine crushing result, and smooth behavior while crushing.
- **TERÄ 84000 nut locking**
- Carbide is cylinder shape and goes in to the body
- **TERÄ 84006X nut locking**
- Carbide is mushroom shape, and it goes deep in to the body. Larger diameter carbide is better against the wear.



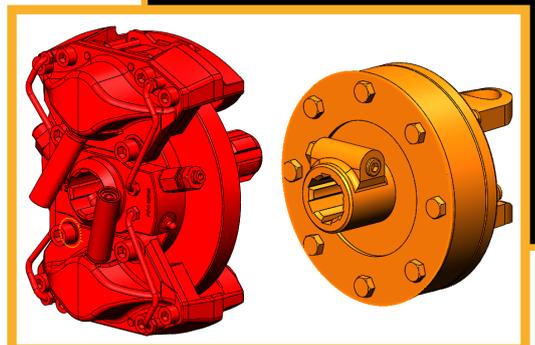
### TRANSMISSION

- Transmission consists of T-gearbox, secondary cardan shaft, safety clutch and final chain gearbox
- Final chain gearbox is having oil lubrication and sprocket/chain gear.
- ST- has one final chain gearbox



### SAFETY CLUTCH

- Clutch is designed to protect the transmission. Clutch is cutting of the peak loads through the transmission line, both crusher and tractor's.
  - Clutch options:
    - **POC** pressure operated clutch with brake pads
    - **FT** friction clutch with friction plates
- Clutch can be adjusted to match with tractor's power



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## OPTIONS

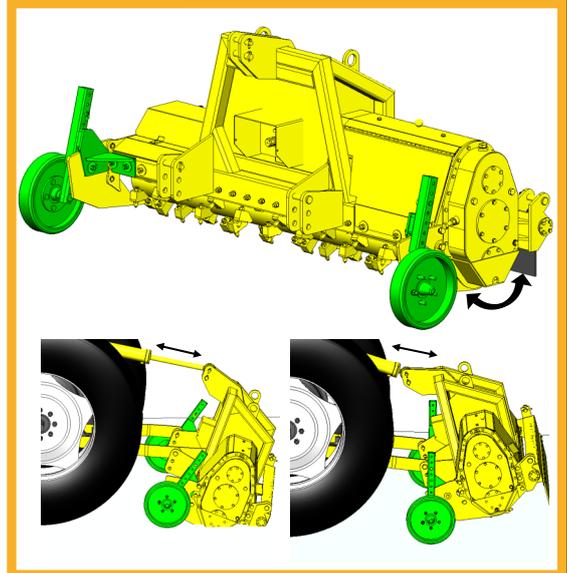
### UP-ROTATION and DOWN-ROTATION

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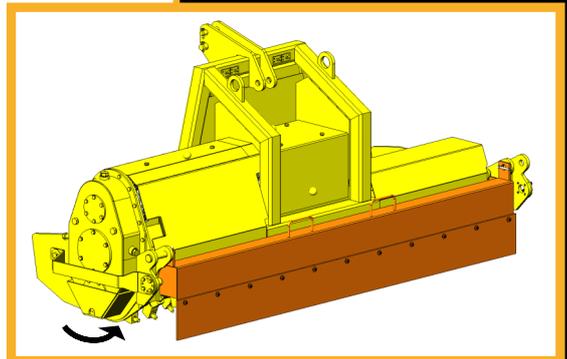
#### SUPPORT WHEELS, front mounted

- Support wheels are used for adjusting and controlling working depth together with hydraulic tilt cylinder
- In soft conditions wheels are used to support the crusher



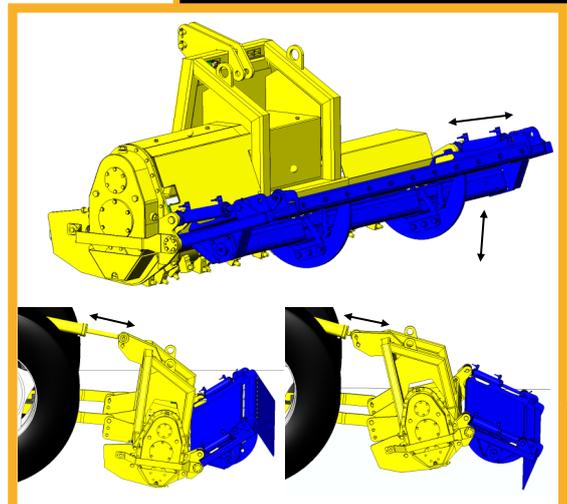
#### REAR BELT

- In DOWN-ROTATION rear plate prevents stones and other objects being thrown uncontrolled (**necessary equipment**)



#### REAR SUPPORT SKIDS

- Rear support skids are used for adjusting and controlling the working depth. Rear support skids follow the smooth crushed surface making the crushing depth adjustment easy and sharp.
- Skids can be equipped with hydraulic cylinders for crushing depth control or they can be fixed and the depth is controlled with a hydraulic tilt cylinder
- Skids can not be assembled simultaneously with support wheels.
- Rear skids includes rear belt



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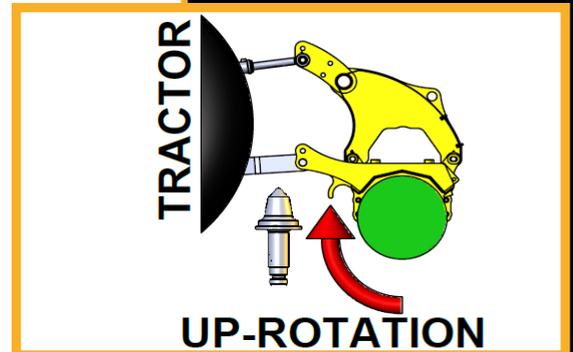
## OPTIONS

### UP-ROTATION

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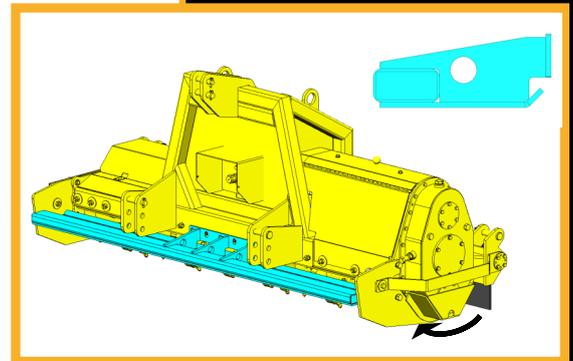
#### UP-ROTATION

- In UP-ROTATION cutters go up on the tractor side of the crusher
- Rotor's rotating direction effects to the method of working



#### FRONT PLATE

- In UP-ROTATION front plate prevents stones and other objects being thrown on the tractor. (**necessary equipment**)
- Plate can be used to control material flow to the rotor



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