



# MECAROANNE

— Solutions de broyage —

## Toothed roll crusher TYPE R 200, R 240, R 300

### FIELD OF APPLICATION

- › **Humid, soft, clogging products** such as clays, kaolin, chalk, lime, clay soils, marls, unfired tiles and bricks, mud...
- › **Hard products** (recycling or volume reduction) such as fibre cement boards, slates, plaster (mouldings, boards, tiles), stoneware or vitreous sanitary fittings, cellular concrete, fired bricks and tiles, talc, glass, clinker, coke, coal, batteries...
- › **All products which are agglomerated** by nature during production and/or due to a high moisture content (fertilizer, sodium chloride in the form of blocks, chemical products in general)...



### OPERATING PRINCIPLE

Two rotors turning in opposite directions at slow and differential speed, are fitted with disks and blades designed to shred the product : they are constantly cleaned by scrapers which can be individually adjusted.



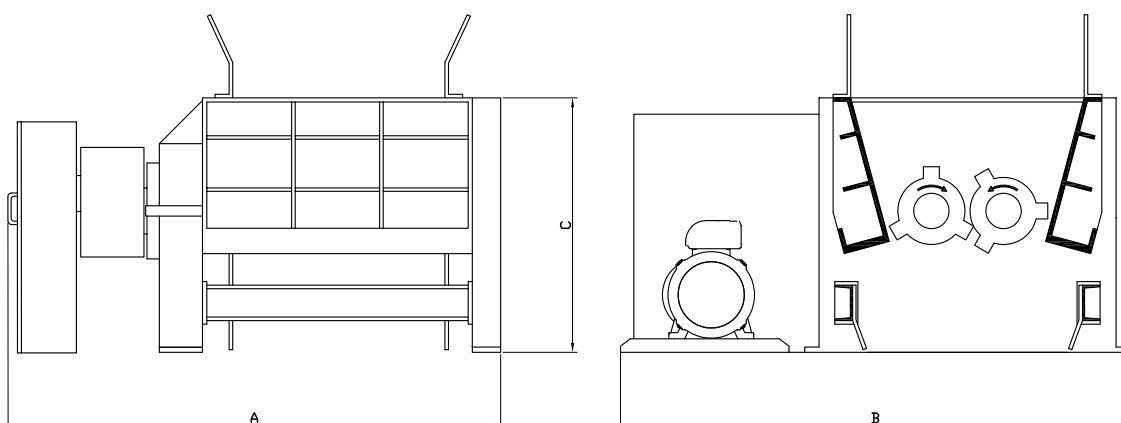
[www.mecaroanne.com](http://www.mecaroanne.com)



### TECHNICAL CHARACTERISTICS

Type	Ø rotors <i>mm</i>	Input section <i>mm</i>	Output section <i>mm</i>	A <i>mm</i>	B <i>mm</i>	C <i>mm</i>	Weight <i>kg</i>	Output particle size* <i>mm</i>	Installed power <i>kW</i>	Capacity* <i>T/heure</i>
R 200x400	200	400x 660	400x 650	1160	920	720	900	0 à 20	7.5	4
R 200x600	200	600x 660	600x 650	1360	920	720	1100	0 à 20	9	8
R 200x800	200	800x 660	800x 650	1580	920	720	1300	0 à 20	11	10
R 240x600	240	600x 760	600x 730	1760	1700	720	1750	0 à 30	15	12
R 240x800	240	800x 760	800x 730	1960	1700	720	2000	0 à 30	18.5	15
R 240x1000	240	1000x760	1000x730	2160	1700	720	2250	0 à 30	22	18
R 300x800	300	800x 1000	800x 1000	1850	1410	1100	3600	0 à 40	22	20
R 300x1000	300	1000x 1000	1000x 1000	2050	1410	1100	4000	0 à 40	22	30
R 300x1200	300	1200x 1000	1200x 1000	2250	1410	1100	4400	0 à 40	30	40

\* mean values for a product of density 1.5, varying according to the type of materials treated and the configuration of the grinding shafts (fine, normal or large particle size).



### DESIGN

Our devices have a very **thick rigid frame** made of welded sheet metal (stainless steel on option). The reduction and transmission mechanisms (housed in a sealed oil sump) are grouped on the same side of the device. This layout allows the grinding tools **to be replaced quickly** without having to completely dismantle the device. Moreover, a simple and reliable safety system avoids any mechanical breakage in the event of blockage by a foreign body.

