



OTTEVANGER
PROCESS SOLUTIONS

Roller Mill HE

Technical Datasheet



Developed with PTN expertise
in pelleting technology.

Possibility of
increasing capacity
through modular system



Easy
adjustment of
roller distance



More capacity
with the same
energy consumption



Roller Mill HE

Developed for breaking or structuring various materials.

The new Ottevanger Roller Mill series HE is developed to crush or grind of various materials, such as grains, oilseeds, biomass and others. Herewith an optimum result and low energy requirements is achieved. An integrated rotating feeder in the top unit ensures an even flow to the breaking/ structuring rollers.

The large diameter axially rifled breaking rollers rotate at different speeds in opposite directions. Using accurate measurement, the large 300 mm structuring rollers guarantee smaller particles with minimum fines.

High Efficiency Line

The development of our new High Efficiency (HE) line concentrates not only on higher performances and a more hygienic design but also to lower energy consumption. The new HE line gives excellent access to all maintenance areas. With this HE line Ottevanger takes a new step forward.



Features

- ✓ Integrated rotating feeder from mild steel with two rotating directions:
 - One direction to structurizing rollers
 - Opposite direction by-pass structurizing rollers
- ✓ 1 electro pneumatically operated bypass flap under the rotating feeder
- ✓ Solid construction in mild steel
- ✓ Manual adjustment of roller distance with read-out accuracy 0.1 mm
- ✓ Solid structurizing rollers made of 'hartguss' (cast iron) 5 to 6 time longer lifetime than chrome steel
- ✓ Oil free transmission by means of double toothed timing belt
- ✓ Inlet and outlet with flange, inclusive counter flange
- ✓ More capacity at same energy level
- ✓ Possibility of capacity increase due to modular design
- ✓ Frequency controlled dual rotation feeder (breaker and by-pass function), frequency converter not included
- ✓ Even distribution of the product to the entire working length of the breaking/ structuring rollers
- ✓ Simple adjustment of the breaking/structuring gap
- ✓ Rollers are easily exchangeable from the front and the sides
- ✓ 50% more revision options of the rollers

Special executions

- ✓ An electro-pneumatic operated bypass flap (in the double unit to bypass the lower unit, in the triple unit to respectively bypass the middle or lower unit)
- ✓ Remote adjustment of roller distance with read-out accuracy 0.01 mm

| | SINGLE | | | DOUBLE | | | TRIPLE | | |
|----------------------------|-----------|------------|------------|-----------|------------|------------|-----------|------------|------------|
| | PRM307-S | RM318-S | PRM318-S | PRM307-D | PRM318-D | PRM318-D | PRM307-T | PRM318-T | PRM318-T |
| Top unit | | 1 | | | 1 | | | 1 | |
| Extra breaking units | | - | | | 1 | | | 2 | |
| Inlet (mm) | 612 x 142 | 1212 x 142 | 1752 x 142 | 612 x 142 | 1212 x 142 | 1752 x 142 | 612 x 142 | 1212 x 142 | 1752 x 142 |
| Outlet (mm) | 606 x 477 | 1206 x 477 | 1746 x 477 | 606 x 477 | 1206 x 477 | 1746 x 477 | 606 x 477 | 1206 x 477 | 1746 x 477 |
| Roller working length (mm) | 700 | 1300 | 1840 | 700 | 1300 | 1840 | 700 | 1300 | 1840 |
| Rollers Ø (mm) | | 300 | | | 300 | | | 300 | |
| Motor (kW) | 1 x 18,5 | 1 x 37 | 1 x 45 | 2 x 18,5 | 2 x 37 | 2 x 45 | 3 x 18,5 | 3 x 37 | 3 x 45 |
| Capacity (t/h) | 0 -10 | 8 - 18 | 15 - 25 | 0 -20 | 8 - 32 | 15 - 45 | 0 -28 | 8 - 44 | 15 - 60 |
| Length (mm) | 1446 | 2041 | 2581 | 1446 | 2041 | 2581 | 1446 | 2041 | 2581 |
| Width (mm) | 1366 | 1366 | 1366 | 1366 | 1366 | 1366 | 1366 | 1366 | 1366 |
| Height (mm) | 875 | 875 | 875 | 875 | 1752 | 1752 | 2629 | 2629 | 2629 |

* data may change without prior notification

