

## Vessel Grinding Head MS-1050



### Application

The MS-1050 is used for the following applications:

- the internal and external grinding of surfaces on pipes and vessels
- the grinding of internal and external longitudinal and circumferential weld seam reinforcements

If necessary the grinding head can be mounted into a turning fork. This allows the preparation of welding edges on flat plates and on the face of vessels, sections and pipes.

### Technology

The floating grinding head follows automatically any run-outs of the work piece with constant pressure.

(Free play)

The weight of the floating part of the grinding head was reduced to a minimum by mounting the driving motor to the basic part. The power is transmitted by v-belts.

The precise adjustment of the grinding pressure with a pneumatic control system and a belt oscillation ensures an optimal utilization of the grinding belts.

The belt change requires only a few manipulations.

Pneumatic belt tension and belt running correction.

The MS-1050 can be equipped with grinding belts as well as polishing rings, wire brushes, flap wheels, Scotch-Brite-discs and belts.

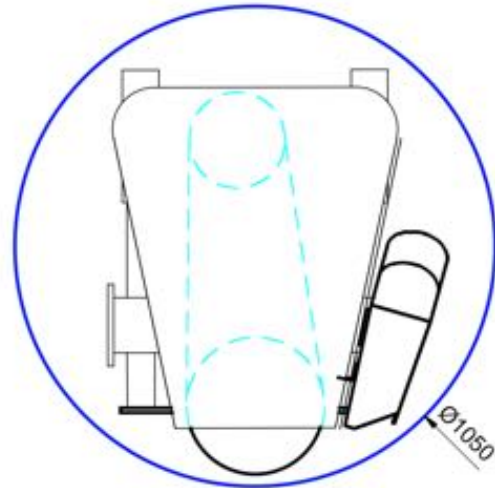
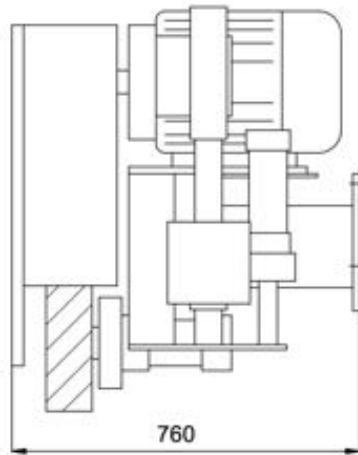
### Performance

Very high rates of material removal.

- low alloy steel up to 500 g/min.
- stainless steel up to 300 g/min.

Any desired surface finish can easily be achieved by using finer and finer grain of belts.

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### Technical Data

free floating (free play) of the grinding head  
grinding pressure adjustable from  
smallest grindable internal diameter  
without dust extraction  
with dust removal

$\pm 50$  mm  
0 to 1000 N  
 $\varnothing 1050$  mm  
 $\varnothing 1200$  mm

power

11 kW

### Dimensions

height, depending on belt length  
width  
length

890 mm  
650 mm  
760 mm

contact wheels

$\varnothing 300 \times 50 / 100 / 125$  mm

grinding belts

50 / 100 / 125 x 2250 mm

### Weight

grinding head

approx. 300 kg