

Vessel Grinding Head MS-400



Application

The MS-400 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

Technology

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

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 a cardan drive.

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-400 can be equipped with grinding belts as well as polishing rings, wire brushes, flap wheels, Scotch-Brite-discs and belts.

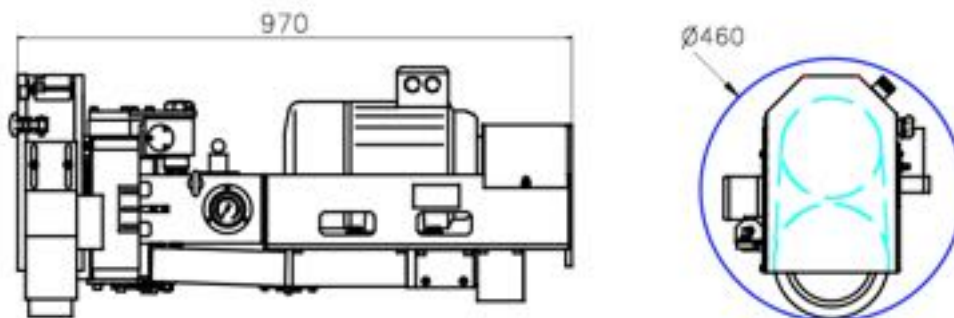
Performance

Very high rates of material removal.

- low alloy steel up to 475 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 of the grinding head
grinding pressure adjustable from
smallest internal diameter to be ground
with grinding belt 1100 mm, without dust extraction

± 30 mm
0 to 600 N
 $\varnothing 460$ mm

power

7.5 kW

Dimensions

height, depending on belt length
width
length

380 - 660 mm
365 mm
970 mm

contact wheels

$\varnothing 175$ mm x 50 mm
 $\varnothing 200$ mm x 75 mm

grinding belts

50/75 mm x 1000/1500 mm

Weight

grinding head incl. turning fork

approx. 200 kg