

## Forging Ring Rolling Mill Machine Wagner-Dortmund



### **TECHNICAL SPECIFICATIONS:**

- Rolling mandrel: 2,215 mm,  $\varnothing$  230 mm
  - Axial rollers: 1,818 mm,  $\varnothing$  515 mm
  - Ring outer diameter: 420- 3,500 mm (100 mm reserve)
  - Axial ring width: 50- 630 mm
  - Max. ring weight approx.: 3,150 kg
  - Radial Roll Kr. adjustable: 10- 160 Mp
  - Nominal power radial: 2 x 200 kW
  - Axial rolling force continuously adjustable up to max.: 10- 120 Mp
  - Nominal power axial: 2 x 165 kW
  - Slide travel for the radial caliber: 1,000 mm
  - Shifting stroke of the axial frame: 2,600 mm
  - Adjustment stroke of the upper axial roller: 610 mm
  - Largest distance between the axial rollers: 660 mm
  - Usable length of the axial rollers: 600 mm
  - Cone angle of the axial rollers: 30°
- Vertical adjustability related to the upper edge of the lower axial roller from:
- Main roller: +/- 25 mm
  - Mandrel roller: +/- 25 mm
  - Ring support: 10 mm
  - Dimension of the main roller: 770 mm
  - Nominal diameter: 350 mm
  - Inner diameter: 350mm
  - Rolling speed: 0.4- 1.6 m/s
  - Height of the roller table above the floor approx.: 500 mm
  - Free-standing mandrel roller, max. ring height: 200 mm

### **Main shaft drive:**

- Power per engine:- 64,- 200,- 200 kW
- Speed:- 465,- 1,450,- 1,850 rpm

### **Drive of the axial rollers:**

- Power per engine:- 16.5,- 165,- 165 kW
- Speed:- 150,- 1,450,- 1,850 rpm
- 1 three-phase motor high-pressure pumps:
  - \* Axial piston unit: P 71 and P 72
  - \* Power: 160kW
  - \* Speed: 1,485 rpm
- 1 three-phase motor high-pressure pump:
  - \* Axial piston unit: P 73
  - \* Power: 37kW
  - \* Speed: 1,475 rpm
- 1 three-phase motor Oil cooling and filter circuit, gear pump: P 81
  - \* Power: 22kW
  - \* Speed: 1,465 rpm