

Technical Specifications

NETZSCH

Rosand RH2000	
Number of bores	<ul style="list-style-type: none"> ■ RH2100: single ■ RH2200: double
Maximum force	12 kN standard (20 kN option)
Frame stiffness	100 kN
Maximum speed	600 mm/min standard (1200 mm/min high-speed option)
Dynamic range in speed	200,000:1 (400,000:1 with high speed option)
Speed uncertainty	< 0.1 %
Temperature range	Ambient to 400°C (500°C option) 5°C to 300°C (low-temperature cooling coil option)
Temperature control	< ± 0.1°C
Bore diameter	15 mm standard (9.5, 12, 19 and 24 mm bore options)
Barrel bore length	250 mm
Barrel material	Nitrided steel standard (Hastelloy or stainless steel options)
Pressure transducer ranges	30000, 20000, 10000, 5000, 1500 or 500 psi
Pressure transducer accuracy	< 0.5 %
Dies	Tungsten carbide, precision ± 5µm
Die diameter	0.5 to 2 mm (in 0.5 mm increments) and 3 mm standard (other diameters, including fine bore dies, available to special order)
Height	Rheometer 1.1 m Electronics box 0.65 m
Width	Rheometer 0.55 m (without accessories) Electronics box 0.34 m
Depth	Rheometer 0.65 m (without accessories) Electronics box 0.53 m
Weight	Rheometer 120 kg (without accessories) Electronics box 30 kg
Power requirements	Single phase, AC, 230 V, 50 Hz, 16 A