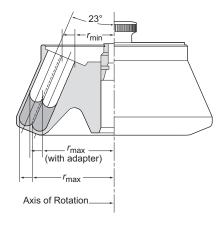
JA-20.1 FIXED ANGLE ROTOR

SPECIFICATIONS



Maximum speed
Critical speed range [†]
Density rating at maximum speed 1.2 g/mL
Maximum allowable imbalance of opposing loads
Relative Centrifugal Field‡ at maximum speed
Outer row of tubes
At r_{max} (115 mm)
At r_{max} with adapter 342327 (107 mm)
At r_{\min} (64 mm)
Inner row of tubes
At r_{max} (98 mm)
At r_{max} with adapter 342327 (90 mm)
At r_{\min} (47 mm)
k factors at maximum speed
Outer row of tubes
Outer row of tubes with adapter 342327
Inner row of tubes
Inner row of tubes with adapter 342327
Conditions requiring speed reductions see RUN SPEEDS
Number of tube cavities
Available tubes see Table 4
Nominal tube dimensions (largest tube)
Nominal tube capacity (largest tube)
Nominal rotor capacity
Approximate acceleration time to maximum speed
(rotor fully loaded)
Approximate deceleration time from maximum speed
(rotor fully loaded)
Weight of fully loaded rotor
Rotor material aluminum
Rotor entry code for Avanti J-E, J2 and J6 series
microprocessor-controlled centrifuges

$$RCF = \frac{r\omega^2}{g}$$

where r is the radius in millimeters, ω is the angular velocity in radians per second (2 π RPM /60), and g is the standard acceleration of gravity (9807 mm/s²). After substitution:

$$RCF = 1.12 r \left(\frac{RPM}{1000}\right)^2$$

 $^{^{\}dagger}$ The critical speed range is the range of speeds over which the rotor shifts so as to rotate about its center of mass. Passing through the critical speed range is characterized by some vibration.

[‡] Relative Centrifugal Field (RCF) is the ratio of the centrifugal acceleration at a specified radius and speed $(r\omega^2)$ to the standard acceleration of gravity (g) according to the following formula: