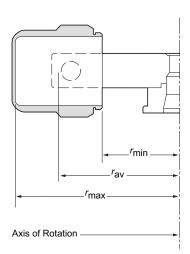
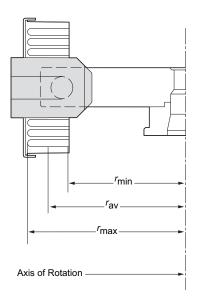
## **TS-5.1-500 ROTOR**

## **SPECIFICATIONS**





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

where r is the radius in millimeters,  $\omega$  is the angular velocity in radians per second (2  $\pi$ RPM / 60), and g is the standard acceleration of gravity (9807 mm/s<sup>2</sup>). After substitution:

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

<sup>\*</sup> 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.

<sup>&</sup>lt;sup>†</sup> 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: