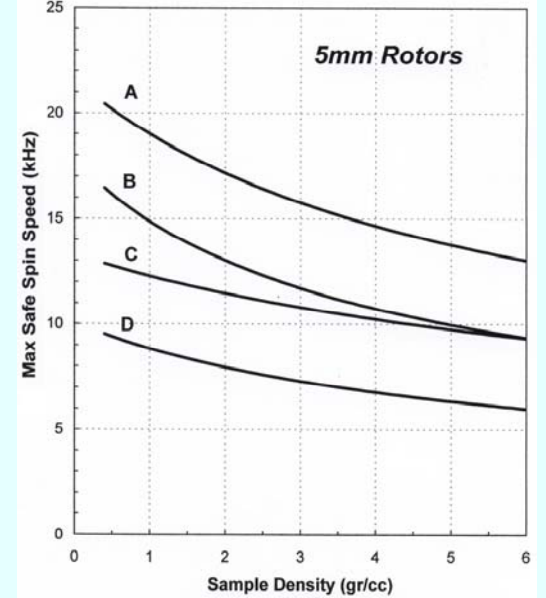
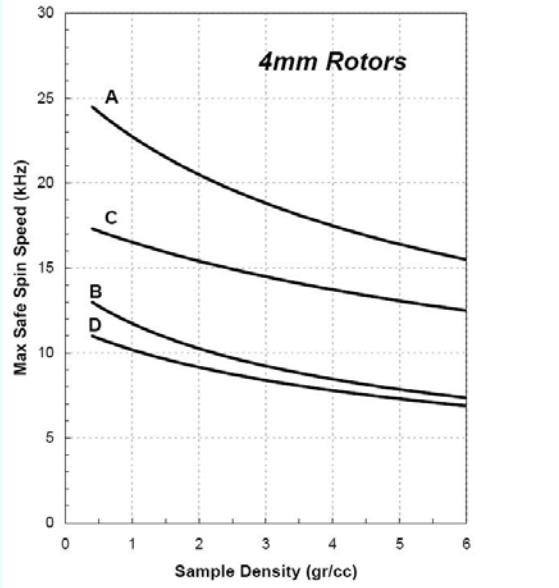


# Doty MAS Spinning Speeds

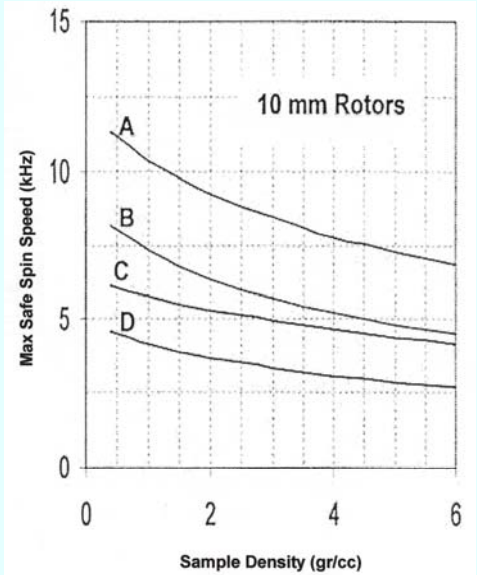
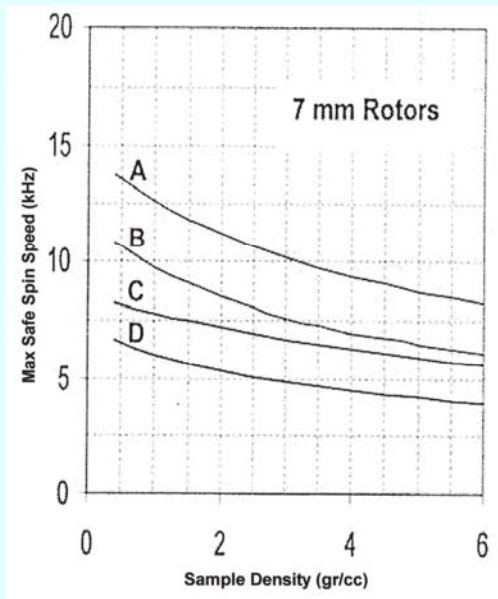
August 2009

Maximum PROBE Speeds (kHz)	
DI 4	18
XC4	24
XC5	18
5 SS	18
5 HS	14
5 Std	9



A - Si<sub>3</sub>N<sub>4</sub> Thick Wall | B - Si<sub>3</sub>N<sub>4</sub> Thin Wall | C - Zr Thick Wall | D - Zr Thin Wall

Maximum PROBE Speeds (kHz)	
XC7	12
7 SS	12
7 HS	9
7 Std	6
XC10	8.5
10 SS	8.5



## MAS Turbine Cap Spinning Speeds

Maximum Spinning Speeds (kHz) For Caps at Room Temperature

Cap Style	4 mm	5-mm XC or SuperSonic	5-mm Standard & High-Speed	7-mm XC or SuperSonic	7-mm Standard & High-Speed	10-mm XC or SuperSonic
Kel-F	11	10	9	7	6	5
Caps with o-rings	-----	10	9	7	6	5
Vespel w/screw	-----	-----	9	12	11	8
Vespel	21	16	14	12	11	8
Aurum	24	20	14	14	12	10
Torlon or GFT	24	20	14	14	12	10

**Note:** This chart represents only material characteristics for caps. Check the Probe Specifications. The spinning speed is often more limited by the probe or the rotor material.