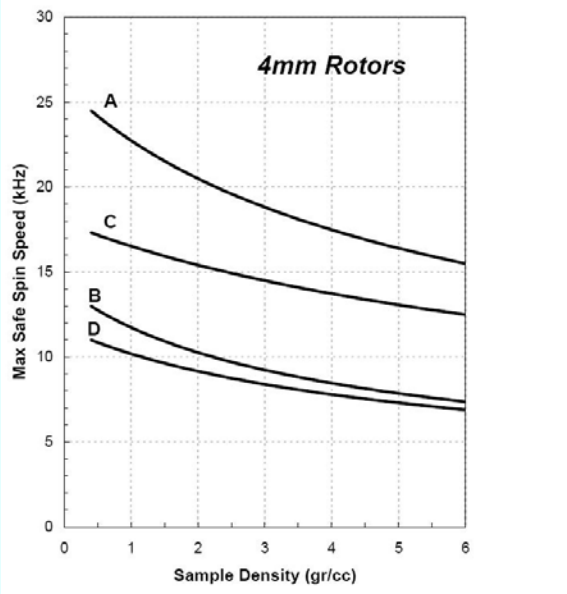
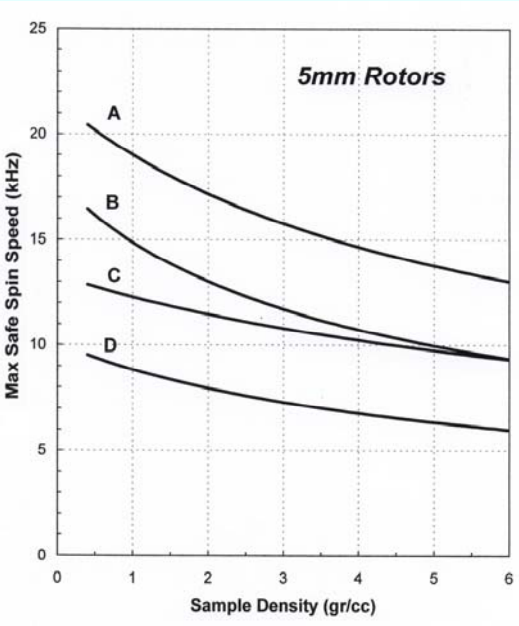
Doty MAS Spinning Speeds

August 2009

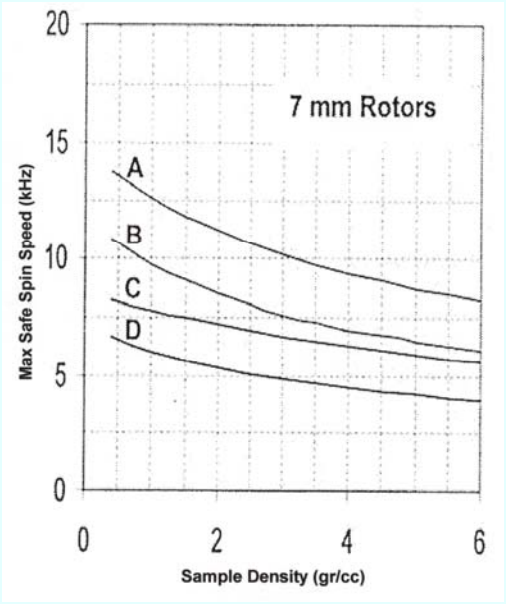
Maximum **PROBE** Speeds (kHz)	
DI 4	**18**
XC4	**24**
XC5	**18**
5 SS	**18**
5 HS	**14**
5 Std	**9**

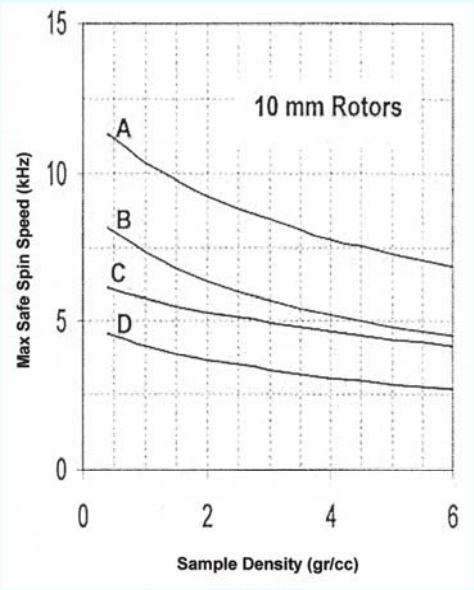




A - *Si_3N_4 Thick Wall* | **B -** *Si_3N_4 Thin Wall* | **C -** *Zr Thick Wall* | **D -** *Zr Thin Wall*

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.