

Rotors for the XC and SuperSonic (SS) MAS Spinners

XC Rotors



4 mm XC4 Length =20.95 mm

Sample – 66 µL to 124 µL

Low density* Spinning maximum | kHz |

# 43255	Silicon Nitride XC Thick Wall Rotor	24	\$800
# 43483	Zirconia XC Thin Wall Rotor	11	620

5 mm XC5 Length =22.25 mm

Sample – 82 µL to 201 µL

Low density* Spinning maximum | kHz |

# 13265	Silicon Nitride XC Thick Wall Rotor	18	\$800
# 13266	Zirconia XC Thick Wall Rotor	13	560
# 13267	Silicon Nitride XC Thin Wall Rotor	16	875
#13268	Zirconia XC Thin Wall Rotor	9	620

7 mm XC7 Length =29.00 mm

Sample – 241 µL to 564 µL

Low density* Spinning maximum | kHz |

# 43526	Silicon Nitride XC Thick Wall Rotor	12	\$800
# 43528	Zirconia XC Thick Wall Rotor	8	560
# 43527	Silicon Nitride XC Thin Wall Rotor	11	875
# 43529	Zirconia XC Thin Wall Rotor	7	620

10 mm XC10 Length =35.00 mm

Sample volume – .6 mL to 1.10 mL

Low density* Spinning maximum | kHz |

# 44265	Zirconia XC Thick Wall Rotor	8.5	\$735
# 44266	Zirconia XC Thin Wall Rotor	4.5	775

SuperSonic Rotors

5 mm SuperSonic (SS) Length =14.93 mm

Sample volume – 56 µL to 110 µL

Low density* Spinning maximum | kHz |

# 13251	Silicon Nitride SS Thick Wall Rotor	18	\$600
# 13252	Zirconia SS Thick Wall Rotor	13	425
# 42388	Silicon Nitride SS Thin Wall Rotor	16	650
# 42396	Zirconia SS Thin Wall Rotor	9	450

7 mm SuperSonic (SS) Length =22.10 mm

Sample volume – 215 µL to 360 µL

Low density* Spinning maximum | kHz |

# 13857	Silicon Nitride SS Thick Wall Rotor	12	\$ 800
# 13858	Zirconia SS Thick Wall Rotor	8	425
# 13859	Silicon Nitride SS Thin Wall Rotor	11	700
# 13861	Zirconia SS Thin Wall Rotor	7	450

10 mm SuperSonic (SS) Length =27.50 mm

Sample volume – .6 mL to 1.10 mL

Low density* Spinning maximum | kHz |

# 42113	Silicon Nitride SS Thick Wall Rotor	8.5	\$ 725
# 42138	Zirconia SS Thick Wall Rotor	6	725
# 42193	Silicon Nitride SS Thin Wall Rotor	8	775
# 42173	Zirconia SS Thin Wall Rotor	4.5	775

- Thick wall rotors and GFT or Torlon caps are provided for **fastest spinning** and ease in packing. Thin wall rotors and caps are available for maximum signal to noise. The maximum speed of thin wall rotors is about 50% the speed of thick wall rotors. Long caps are provided for highest homogeneity and rf field strength.
- **For XC probes**, (beginning in 2000) XC "Slow MAS" is provided for stable very slow spinning of tissues, liquids, and CC by a change in "nozzle caps" only. **The same turbine caps are used.** All choices of XC rotors and caps may be used with slow spin nozzle caps. A 50% reduction in maximum spinning speeds should be expected for each type. See page 4 for more specifications.
- XC, SuperSonic, DI, High Speed, and Standard accessories are **not** interchangeable unless specified. If unsure about correct supplies, contact us with the probe DSI-serial number and we can help.

* Please refer to the APPENDIX for the **speeds/density spinning speed chart** and for material information.

(US\$ – Foreign prices higher, plus taxes)