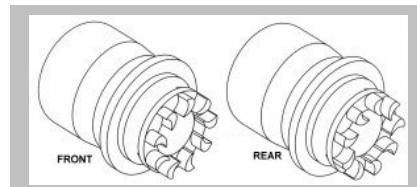


Accessories for XC



SuperSonic (SS) and XC rotors and caps are different.
Check the rotor length to be sure you order the correct parts.

XC4	XC5	XC7	If unsure, check the rotor length (mm) to confirm that you need XC parts.	
4 mm Rotor Length = 20.95	5 mm Rotor Length = 22.25	7 mm Rotor Length = 29.00		
Part #	Part #	Part #	Description	Price
Caps for THICK Wall Rotors – fastest spinning				
99705	96432	96462	XC Kel-F Short Thick Cap Pair	\$155
99702	99844	99637	XC Kel-F Long Thick Cap Pair	155
99684	99822	99816	XC GFT Short Thick Cap Pair, GFT (glass filled torlon)	175
99685	99821		XC GFT Long Thick Cap Pair, GFT (glass filled torlon)	175
96431	96457	96466	XC Torlon (or Aurum *) Short Thick Cap Pair	175
96433	99839	99641	XC Torlon (or Aurum *) Long Thick Cap Pair	175
Caps for THIN Wall Rotors				
99699	96434	96464	XC Kel-F Short Thin Cap Pair	\$155
99697	99835	99635	XC Kel-F Long Thin Cap Pair	155
99686	99824	99817	XC GFT Short Thin Cap Pair, GFT (glass filled torlon)	175
99687	99823		XC GFT Long Thin Cap Pair, GFT (glass filled torlon)	175
99722	99834	96465	XC Torlon (or Aurum *) Short Thin Cap Pair	175
99723	99833	99636	XC Torlon (or Aurum *) Long Thin Cap Pair	175
Cap Pullers and Accessories				
96182	96182	96360	Puller for Turbine Caps	\$210
----	----	96170	Threaded Cap Puller for O-ring Caps	110
01026	06019	06023	Rotor Holder – use with plungers below	45
01028	06021	43761	Plunger - thick wall- to push out caps or sealing cells	35
01029	06022	42039	Plunger - thin wall- to push out caps or sealing cells	35
99683	96511	96113	XC Sample Packing Set for Thick Wall Rotors	\$160
99682	96513	96114	XC Sample Packing Set for Thin Wall Rotors	160

MAS Turbine Cap Spinning Speeds			
Maximum Spinning Speeds (kHz) For Caps at Room Temperature			
Cap Style	4 mm XC	5-mm XC	7-mm XC
Kel-F	11	10	7
Caps with o-rings	-----	-----	7
Aurum	22	18	12
Torlon or GFT	22	18	12

This chart represents only material characteristics for caps. Check the Probe and Rotor Specifications.

* Torlon has very similar NMR properties and will be substituted if Aurum is not available.

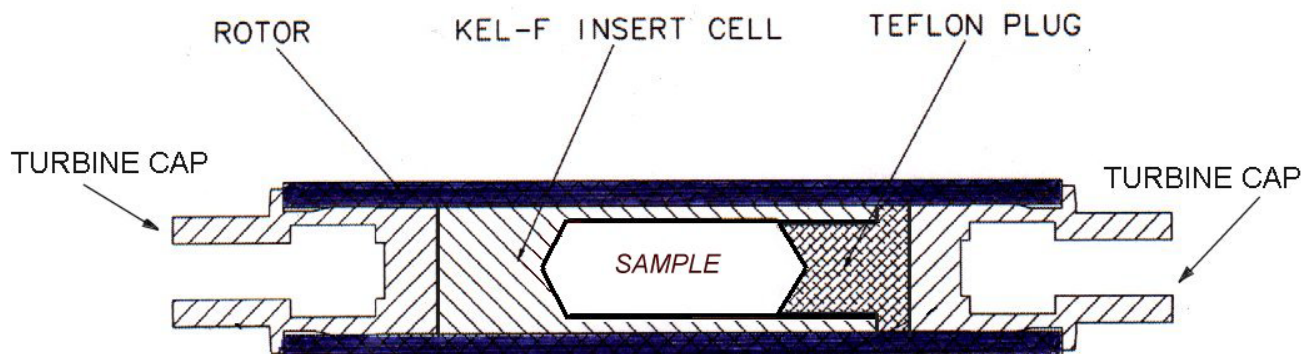
(US\$ – Foreign prices higher, plus taxes.)

DI and XC

Sealing Cells for Liquids and Semi-Solids

All sealing cells are for use inside XC and DI thin-walled ceramic rotors. The plastic cells are available in Kel-F with teflon plugs for proton NMR or in ultem with polyvinyl-chloride (PVC) plugs for fluorine NMR.

All cells are suitable for long-term sample storage without loss. They may be used with all common solvents, including acetone, alcohols, benzene, DMSO, ethers, methylene chloride, strong bases, and most strong acids – as long as the sample density does not exceed the density of the plug (2.2 g/cm³ for teflon, 1.4 g/cm³ for PVC).



DI and XC Kel-F (or Ultem) Insert Cell With Plug - for Liquids or Semi-solid Samples

Note: DI rotors use a front turbine and a rear tip cap, not the rear turbine as shown in the sealing cell picture above.

4 mm DI4 Sealing Cells. (For thin wall rotors)

Kel-F cells with teflon plugs or Ultem cells with PVC plugs. Use with thin-walled rotors and caps.

	Kel-F Part #	Ultem Part #	Sample Volume	Price
DI4	95142	95143	50 µL	\$35
DI4	95141	95139	20 µL	35

5 mm XC5 Sealing Cells. (For thin wall rotors)

Kel-F cells with teflon plugs or Ultem cells with PVC plugs. Use with thin-walled rotors and short XC caps.

	Kel-F Part #	Ultem Part #	Sample Volume	Price
XC5	99801	99793	75 µL	\$35
XC5	99799	99792	50 µL	35
XC5	99797	99789	20 µL	35

4 mm XC4 Sealing Cells. (For thin wall rotors)

Kel-F cells with teflon plugs or Ultem cells with PVC plugs. Use with thin-walled rotors and short XC caps.

	Kel-F Part #	Ultem Part #	Sample Volume	Price
XC4	99694	99691	40 µL	\$35
XC4	99693	99689	20 µL	35
XC4	99692	99688	10 µL	35
XC4	99802	99796	4 µL	35

7 mm XC7 Sealing Cells. (For thin wall rotors)

Kel-F cells with teflon plugs or Ultem cells with PVC plugs. Use with thin-walled rotors and short XC caps.

	Kel-F Part #	Ultem Part #	Sample Volume	Price
XC7	99629	99633	225 µL	\$35
XC7	99628	99632	100 µL	35
XC7	99627	99631	50 µL	35

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