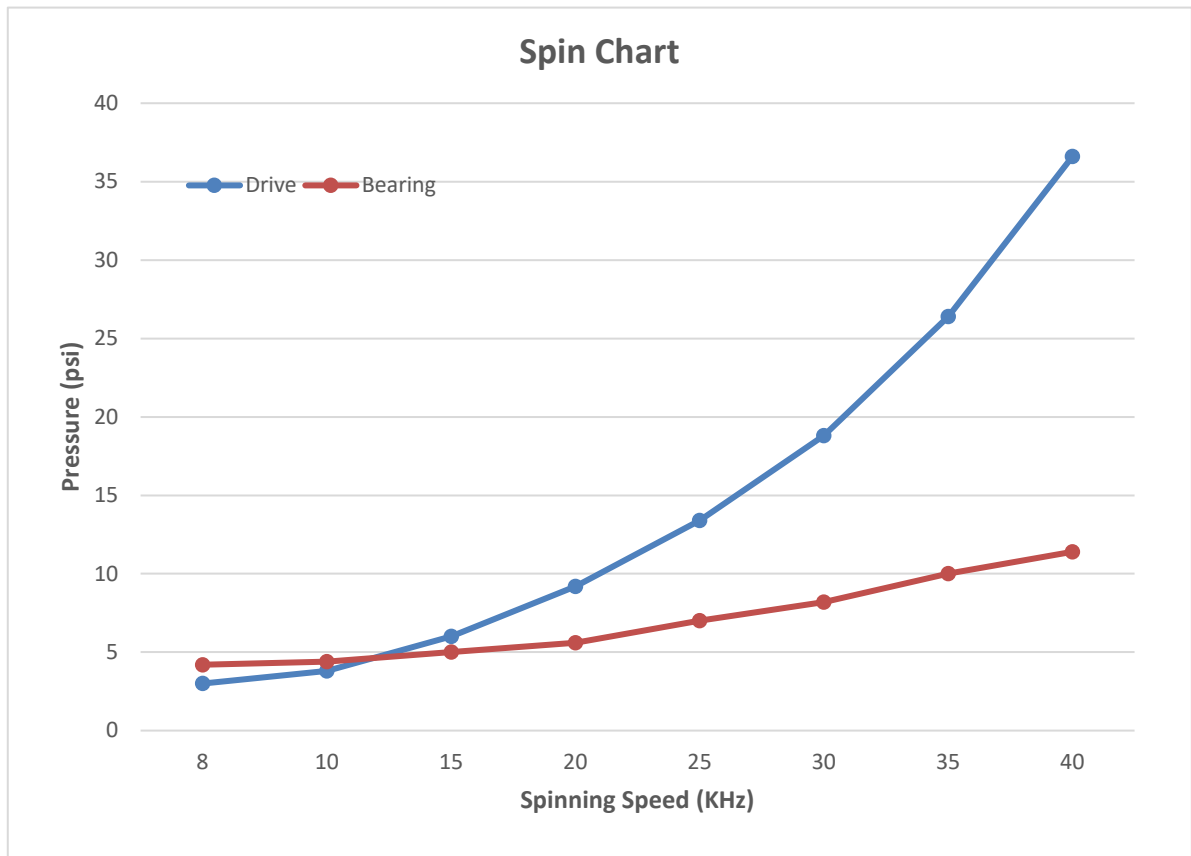


Spinning Information

Customer	University of Warwick	Module Size	1.6mm
Serial Number	SN210702	Module Material	PCTFE
Frequency	850MHz	Min Speed	8kHz
Style	HFX Y	Max Speed	40kHz
Field Center	701mm		

Spin Speed (kHz)	Bearing Pressure (psi)	Drive Pressure (psi)
8	4.2	3.0
10	4.4	3.8
15	5.0	6.0
20	5.6	9.2
25	7.0	13.4
30	8.2	18.8
35	10.0	26.4
40	11.4	36.6

Spin Speed (kHz)	Bearing Pressure (mbar)	Drive Pressure (mbar)
8	290	207
10	303	262
15	345	414
20	386	634
25	483	924
30	565	1296
35	689	1820
40	786	2523



Customer University of Warwick
Serial Number SN210702
Frequency 850MHz
Field Center 701mm

Module Size 1.6mm
Module Material PCTFE
Style HFXY

X-Channel			
Trap (pf)	PCB #	Frequency Range	
15, 6T	0	165	189
8.2, 6T	1	202	242
6.8, 6T	2	233	260
5.6, 6T	3	253	282
6.8, 5T	4	271	302
5.6, 5T	5	301	336
6.8, 4T	7	314	347
15, 4T	8	CSi/AlSi Mode	
Short	SC	DR Mode	

Y-Channel			
Series (pf)	PCB#	Frequency Range	
56	0	P ⁴³ Ca Mode	
39	1	84	94
33	2	92	104
27	3	99	111
22	4	111	125
18	5	122	137
15	6	132	148
12	7	147	167
10	8	161	181
8.2	9	178	200
6.8	10	193	217
5.6	11	206	232
2.2	12	DR Mode	
130	13	47	58
100	14	55	62
3.3	15	253	285

Tuning Information

Customer	University of Warwick	Module Size	1.6mm
Serial Number	SN210702	Module Material	PCTFE
Frequency	850MHz	Style	HFX

XY Mode	Series PI PCB#	Trap PI PCB#	X Tune Tube	Y Tune Tube	31P Jumper	Low Gamma
						4321
HFP ⁷¹ Ga	15	7	2	3	Yes	
HFPNa	11	7	2	4	Yes	
HFPAl	11	7	2	4	Yes	
HFPc	11	7	2	4	Yes	
HFPsi	8	7	2	6	Yes	
HFPo	4	7	2	8	Yes	
HFP ¹⁵ N	1	7	2	9	Yes	
HFP ⁴³ Ca	0	7	2	7 *LG	Yes	0000
HF ⁷ Li ⁶ Li	5	5	1	7	Yes	
HF ⁷ LiO	4	5	1	7	Yes	
HF ¹¹ BNa	11	4	3	2	No	
HF ¹¹ BSi	8	4	1	5	No	
HF ¹¹ BO	4	4	1	7	No	
HFNa ¹⁴ N	14	1	2	9	No	
HFAiSi	8	8	4	5	No	
HFAi ¹⁴ N	14	1	2	9	No	
HFCsi	8	8	4	5	No	
HFC ² H	5	1	4	6	No	
HFCO	4	1	3	7	No	
HFC ¹⁵ N	1	1	3	8	No	
HFC ³⁵ Cl	1	1	3	8	No	
HFC ¹⁴ N	14	1	3	9	No	
HFC ⁴³ Ca	13	1	2	9	No	
HFSi ² H	5	0	6	5	No	
HFSi ¹⁵ N	1	0	5	8	No	

*Adjust 7 tune tube match fully anti-clockwise to short match piston to the top of the tune tube.

Customer	University of Warwick	Module Size	1.6mm
Serial Number	SN210702	Module Material	PCTFE
Frequency	850MHz	Style	HFX

X Mode	Series PI PCB#	Trap PI PCB#	X Tune Tube	Y Tune Tube	31P Jumper
HFP	12		1		No
HF7Li	12		3		No
HF11B	11		2		No
HFAI ^a	SC		1		No
HFAI ^b	8		4		No
HFC	8		5		No
HF ² H	1		7		No
HFO	SC		6		No
HF ¹⁵ N	SC		7		No
HF ¹⁴ N	SC	SC	8	6	No

^aLowest ²⁷Al background

^bBest ²⁷Al PW90 Performance

Tune and observe on the X channel for DR Mode.

SC series and SC trap with the 9 and 8 tune tubes can lower the tuning to 43.5MHz

X-Channel			
Series (pf)	PCB#	Frequency Range	
Short	SC	55	118
39	1	117	145
22	4	140	177
15	6	175	212
10	8	210	253
5.6	11	250	289
3.3	15	287	320
2.2	12	318	353

Tuning Information

Customer	University of Warwick	Module Size	1.6mm
Serial Number	SN210702	Module Material	PCTFE
Frequency	850MHz	Style	HFXY

Low Gamma Tuning

Range Switch Setting				f Min	f Max
4	3	2	1		
O	O	O	O	26.2	39.4
O	O	O	C	21.1	26.7
O	O	C	O	18.2	21.4
O	O	C	C	16.2	18.3
O	C	O	O	15.2	16.8
O	C	O	C	13.9	15.2
O	C	C	O	13.0	14.0
O	C	C	C	12.1	13.0
C	O	O	O	11.5	12.1
C	O	O	C	11.0	11.5
C	O	C	O	10.3	11.0
C	O	C	C		
C	C	O	O		
C	C	O	C		
C	C	O	O		
C	C	C	C		

O is the Range Switch pulled out "Open"

C is the Range Switch pushed in "Closed"

Use SC Series Plug-in and 7 Tune Tube in X Channel. Adjust tune tube match fully anti-clockwise to short match piston to the top of the tune tube.

Tune and Observe with Low Gamma Box on X Channel