Screw Threads on Fox & Renard Instruments

The following table of information provides screw thread information and usage on Fox and Renard Instruments.

Bassoon and Contrabassoon Threads

Standard Thread Sizes	
#0-80	Flat Spring Screws
#1-64	Roller Arbor
#2-56	Hinge Arbor
#4-48	1/8" pivot arbor for B♭ trill spatula of boot joint
#6-40	Handrest Thumb Screw
#6-32	Pivot Screws
#8-32	Contrabassoon Slide Vent Adjusting Screw
#10-24	Post Body Threads; U-Tube Studs
Special Thread Sizes	
0.082" x 40tpi	Post Locking Screw

Oboe and English Horn Threads

Standard Thread Sizes	
#0-80	Flat Spring Screws
#1-72	Adjusting Screws
#1-64	Short Arbor Threads (arbors having a diameter of 0.082")
#2-64	Pivot Screw
#2-56	Long Arbor Threads (arbors having a diameter of 0.093")
Special Thread Sizes	
0.082" x 40tpi	Post Locking Screw (Used for thumb rests)
M3.7 x 1mm	Post Body Threads
#10-56	Vent Well Body Threads
0.275" x 40tpi	Vent Well Cap

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Metric & American Thread Sizes & Pitches

Basic Major Diameter		Metric			American		
		Nominal Diameter	Pitch (mm)		Nominal Diameter	Threads Per Inch	
Inch	mm		Coarse	Fine		UNC	UNF
0.0470	1.19				00	90	96
0.0472	1.2	1.2	0.25	0.2			
0.0551	1.4	1.4	0.3	0.2			
0.0591	1.5	1.5	0.3				
0.0600	1.52				0		80
0.0629	1.6	1.6	.35	.2			
0.0669	1.7	1.7	.35	.2, .25			
0.0709	1.8	1.8	.35	.2			
0.0730	1.85				1	64	72
0.0787	2	2	.4	.25, .35			
0.0860	2.18				2	56	64
0.0866	2.2	2.2	.45	.25			
0.0906	2.3	2.3	.4	.25, .35			
0.0984	2.5	2.5	.45	.35			
0.0990	2.51				3	48	56
0.1024	2.6	2.6	.45	.25, .35			
0.1120	2.84				4	40	48
0.1181	3	3	.5	.35, .6			
0.1250	3.18				5	40	44
0.1380	3.5	3.5	.6	.35, .5	6	32	40
0.1575	4	4	.7	.5, .75			
0.1640	4.17				8	32	36
0.1772	4.5	4.5	.75	.5			
0.1900	4.83				10	24	32
0.1969	5	5	.8	.5, .75, .9			

Pitch Conversion Tables

Metric to English		English to Metric	
mm	*tpi*	*tpi*	*mm*
0.25	101.60		
		90	0.28
0.3	84.67		
		80	0.32
0.35	72.57		
		72	0.35
		64	0.40
0.4	63.50		
0.45	56.44		
		56	0.45
0.5	50.80		
		48	0.53
0.6	42.33		
		40	0.64
		38	0.67
0.7	36.29		
		36	0.71
0.75	33.87		
		32	0.79
0.8	31.75		
0.9	28.22		
		28	0.91
1	25.40		
		24	1.06
		22	1.15
1.25	20.32		
		20	1.27