

Wind Instrument Thread Comparison Chart

by Wayne Tanabe

Outside Diameter (Inches & mm)	American Thread Sizes	Metric Thread Sizes	British Thread (BA) Sizes	Tap Drill (Numeric Sizes)	Tap Drill Diameter (inches)	Tap Drill (mm)	Body Drill (Inches / Numeric Drill Size & mm)
.0311"/0.79mm			16-BA	#73	0.0236"	0.60mm	.0350" #65 0.90mm
.0340"/0.86mm	000-120			#71	0.0260"	0.66mm	"
.0354"/0.90mm			15-BA	#70	0.0276"	0.70mm	.0380" #62 1.00mm
.0394"/1.00mm		1.0 x .25mm		#69	0.0295"	0.75mm	.0420" #58 1.10mm
"		1.0 x .20mm		#68	0.0315"	0.80mm	"
"			14-BA	#68 1/32"	0.0312"	0.80mm	.0430" #57 1.10mm
.0433"/1.10mm		1.1 x .25mm		#65	0.0335"	0.85mm	.0465" #56 1.20mm
"		1.1 x .20mm		#64	0.0354"	0.90mm	"
.0470"/1.19mm	00-90			#65	0.0350"	0.89mm	.0520" #55 1.30mm
"	00-96			#65	0.0350"	0.89mm	"
.0472"/1.20mm			13-BA	#62	0.0386"	0.95mm	"
"		1.2 x .35mm		#63	0.0374"	0.95mm	"
"		1.2 x .25mm		#63	0.0374"	0.95mm	"
"		1.2 x .20mm		#61	0.0394"	1.00mm	"
.0500"/1.27mm	.050"-110			#62	0.0386"	.095mm	"
		1.3 x .33mm		#62	0.0380"	0.95mm	"
.0512"/1.30mm		1.3 x .30mm		#60	0.0400"	1.00mm	.0550" #54 1.40mm
"			12-BA	#61	0.0413"	1.05mm	"
.0551"/1.40mm		1.4 x .30mm		#57	0.0433"	1.10mm	.0595" #53 1.50mm
"		1.4 x .20mm		#56 3/64"	0.0472"	1.20mm	"
.0590"/1.50mm		1.5 x .35mm		#57	0.0433"	1.15mm	.0635" #52 1.60mm
.0591"/1.50mm			11-BA	#56	0.0472"	1.20mm	"
.0600"/1.52mm	0-72			#56	0.0465"	1.20mm	"
"	0-80			#56 3/64"	0.0465"	1.20mm	"
"	0-90			#56 3/64"	0.0465"	1.20mm	"
.0629"/1.60mm		1.6 x .35mm		#55	0.0492"	1.25mm	.0670" #51 1.70mm
"		1.6 x .20mm		#54	0.0551"	1.40mm	"
.0669"/1.70mm			10-BA	#54	0.0551"	1.40mm	.0700" #50 1.80mm
.0670"/1.70mm	.067"-56			#56	0.0472"	1.20mm	"
"		1.7 x .45mm		#55	0.0492"	1.25mm	"
"		1.7 x .35mm		#56	0.0469"	1.35mm	"
"		1.7 x .30mm		#54	0.0550"	1.40mm	"
.0677"/1.72mm		1.72 x .35mm		#55	0.0520"	1.35mm	"
.0700"/1.80mm		1.8 x .60mm		#56 3/64"	0.0472"	1.20mm	.0730" #49 1.90mm
"		1.8 x .35mm		#53	0.0595"	1.45mm	"
"		1.8 x .20mm		#52	0.0630"	1.60mm	"
.0730"/1.85mm	1-56			#54	0.0550"	1.40mm	.0760" #48 1.95mm
"	1-64			#53	0.0595"	1.50mm	"
"	1-72			#53	0.0595"	1.50mm	"
.0740"/1.87mm	.074"- 70			#53	0.0595"	1.50mm	"
.0744"/1.89mm			9-BA	#53 1/16"	0.0610"	1.55mm	"
.0748"/1.90mm		1.90 x .80mm		#57	0.0472"	1.10mm	.0785" #47 2.00mm
.0775"/1.97mm		1.97 x .35mm		#52	0.0635"	1.60mm	.0810" #46 2.10mm
.0787"/2.00mm		2.0 x .60mm		#54	0.0550"	1.40mm	"
"		2.0 x .50mm		#53	0.0595"	1.50mm	"
"		2.0 x .45mm		#53	0.0635"	1.55mm	"
"		2.0 x .40mm		#52	0.0635"	1.60mm	"
"		2.0 x .35mm		#51	0.0670"	1.65mm	"
"		2.0 x .25mm		#51	0.0670"	1.75mm	.0860" #44 2.20mm
.0826"/2.10mm		2.1 x .40mm		#51	0.0670"	1.70mm	"
"		2.1 x .35mm		#50	0.0700"	1.75mm	"

.0860"/2.18mm	2-56		#51	0.0670"	1.75mm	.0890" #43 2.25mm
"	2-64		#50	0.0700"	1.80mm	"
.0870"/2.20mm		2.2 x .45mm	#50	0.0700"	1.80mm	"
"		2.2 x .25mm	#48	0.0760"	1.95mm	"
.0866"/2.20mm		8-BA	#50	0.0709"	1.8mm	"
.0906"/2.30mm		2.3 x .40mm	#49	0.0748"	1.85mm	.0935" #42 2.40mm
.0984"/2.50mm		7-BA	#47	0.0807"	2.05mm	.0995" #39 2.55mm
"		2.5 x .45mm	#47	0.0787"	2.05mm	.1015" #38 2.60mm
"		2.5 x .35mm	#43	0.0905"	2.15mm	"
.0990"/2.51mm	3-48		#47	0.0785"	2.00mm	"
"	3-56		#46	0.0810"	2.05mm	"
.1024"/2.60mm		2.6 x .45mm	#44	0.0827"	2.20mm	.1065" #36 2.70mm
.1102"/2.79mm		6-BA	#43	0.0906"	2.30mm	.1110" #34 2.85mm
.1120"/2.84mm	4-36		#44	0.0860"	2.20mm	.1160" #32 2.95mm
"	4-40		#43	0.0890"	2.25mm	"
"	4-48		#42	0.0935"	2.35mm	"
.1181"/3.00mm		3.0 x .60mm	#42	0.0945"	2.40mm	.1200" #31 3.10mm
"		3.0 x .50mm	#40	0.0984"	2.50mm	"
"		3.0 x .45mm	#39	0.0995"	2.55mm	"
"		3.0 x .35mm	#37	0.1040"	2.65mm	"
.1250"/3.17mm	5-40		#38	0.1015"	2.55mm	"
"	5-44		#37	0.1040"	2.65mm	"
.1260"/3.20mm		5-BA	#39	0.0995"	2.65mm	"
.1380"/3.50mm	6-32		#36	0.1065"	2.70mm	.1405" #28 3.60mm
"	6-36		#35	0.1100"	2.80mm	"
"	6-40		#33	0.1130"	2.85mm	"
.1378"/3.50mm		3.5 x .60mm	#33	0.1142"	2.90mm	"
.1420"/3.60mm		4-BA	#32	0.1130"	3.00mm	.1440" #27 3.70mm
.1575"/4.00mm		4.0 x .75mm	#31 1/8"	0.1260"	3.20mm	.1590" #21 4.10mm
"		4.0 x .70mm	#30	0.1299"	3.30mm	"
"		4.0 x .50mm	#28	0.1405"	3.50mm	"
.1614"/4.09mm		3-BA	#29	0.1339"	3.45mm	.1660" #19 4.20mm
.1640"/4.16mm	8-32		#29	0.1360"	3.45mm	"
"	8-36		#29	0.1360"	3.45mm	"
"	8-40		#28	0.1405"	3.55mm	"
.1772"/4.50mm		4.5 x .75mm	#25	0.0149"	3.80mm	.1800" #15 4.60mm
"		4.5 x .50mm	#22	0.1570"	4.00mm	"
.1850"/4.69mm		2-BA	#22	0.1575"	4.00mm	.1890" #12 4.80mm
.1900"/4.82mm	10-24		#25	0.1490"	3.75mm	.1960" #9 5.00mm
"	10-32		#21	0.1590"	4.05mm	"
.1968"/5.00mm		5.0 x .90mm	#20	0.1614"	4.10mm	.2010" #7 5.10mm
"		5.0 x .80mm	#19	0.1654"	4.20mm	"
"		5.0 x .50mm	#16	0.1772"	4.50mm	"
.2087"/5.30mm		1-BA	#19	0.1772"	4.50mm	.2130" #3 5.40mm
.2160"/5.48mm	12-24		#16	0.1772"	4.50mm	.2210" #2 5.60mm
"	12-28		#14	0.1820"	4.55mm	"
"	12-32		#13	0.1850"	4.70mm	"
.2165"/5.50mm		5.5 x .90mm	#14	0.1811"	4.60mm	"
.2362"/6.00mm		6.0 x 1.0mm	#9	0.1969"	5.00mm	.2380" B 6.10mm
"		6.0 x .75mm	#4	0.2090"	5.25mm	"
"		0-BA	#8	0.2008"	5.10mm	"
.2500"/6.35mm	1/4 - 20		#7	0.2010"	5.10mm	.2570" F 6.50mm
"	1/4 - 28		#3	0.2130"	5.40mm	"
"	1/4 - 32		7/32"	0.2188"	5.55mm	"
.2756"/7.00mm		7.0 x 1.0mm	15/64" B	0.2362"	6.00mm	.2810" K 7.20mm
.3125"/7.93mm	5/16 - 24		I	0.2720"	6.90mm	.3230" P 8.20mm
"	5/16 - 32		9/32"	0.2810"	7.15mm	"

.3149"/8.00mm	8.0 x 1.25mm	D	0.2460"	6.80mm	.3230" P 8.20mm
The drill sizes and diameters are listed by decimal, numeric, and millimeter sizes required to achieve approximately 70% thread fit.					