

## Pen Maker Specific Drill Bits and Alternatives

12-5-2014

By Carl Fisher

Metric	Decimal	Inv	Alt Low	Inv	Alt High	Inv
7	0.276		I		J	
8	0.315		5/16		O	
10	0.394		25/64		X	
10.5	0.413		Z		27/64	
12	0.472		15/32		n/a	
12.5	0.492		31/64		1/2	
14	0.551		9/16		n/a	
SAE						
11/32	0.344		R		S	
23/64	0.359		T		U	
3/8	0.375		9.5		V	
25/64	0.391		W		10	
13/32	0.406		Y		Z	
27/64	0.422		10.5		n/a	
15/32	0.469		n/a		12	
31/64	0.484		n/a		12.5	
33/64	0.516		13		n/a	
35/64	0.547		n/a		14	
37/64	0.578		14.5		n/a	
Letter						
J	0.277		7		K	
O	0.316		8		P	
S	0.348		11/32		9	
U	0.368		23/64		9.5	
V	0.377		3/8		W	

Alternate low and high sizes will list the drill bit immediately to either side if the tolerance is +/- .01 inch variance.

If the drill bit to either side is outside of the .01 tolerance n/a will be listed instead.

### Additional Bits

Bit	Decimal	Inv	Use
B	0.238		
P	0.323		
6mm	0.236		
10.8	0.425		
11mm	0.433		
#11	0.191		Nevus Ballpoint
#29	0.136		Nevus Ballpoint

## Kitless Taps and Drill Sizes

Tap Size	Inv	Bit	Decimal	Inv	Alt Low	Inv	Alt High	Inv	Use
6.5 x .5		5.5	0.217		7/32		#3		JoWo / Hertiance / Schmidt #5 and roller writer
6.4 x .6		5.8 or #1	0.228		#2		A		Bock #5
7 x .75		6.25 or D	0.246		C		1/4 or E		Richard Greenwald Click #10179 & #10179G
7.5 x .5		7	0.276		I		J		JoWo #6
7.9 x .6		7.25	0.285		9/32		L		Bock #6
8 x .75		7.25	0.285		9/32		L		
9 x .75		8.25	0.325		P		21/64		
10 x .75		9.25	0.364		23/64		U		
10 x 1		9	0.354		S		T		ElGrande style front end
12 x .75		11.25	0.443		7/16		11.5		
12 x .8		11.2	0.441		7/16		11.5		
9/32 x 36		6.5	0.255		1/4		F		Esterbrook & Pelikan 200/400/600 Feed sections

Tenon size for a given die will be the size of the die. i.e. 12mm die = 12mm tenon

Average tenon size for 12mm could be 11.6-11.9 to preference of final fit.