

Common Pen Tube Drill Sizes (with neighboring drill bit sizes)

Rev 5-Feb-2024

7mm (Slim with Cross type Refills)			
FRACT/LET	MM	DEC	Δ%
-	6.80	0.268	-2.9%
I	6.91	0.272	-1.3%
-	7.00	0.276	0.0%
J	7.04	0.277	+0.5%
K	7.14	0.281	+2.0%

Zen & Various Jr. Rollerball Lower Tubes			
FRACT/LET	MM	DEC	Δ%
Y	10.26	0.404	-2.3%
$1\frac{3}{32}$	10.32	0.406	-1.7%
Z	10.50	0.413	0.0%
$2\frac{7}{64}$	21.43	0.844	+104.1%
-	11.00	0.433	+4.8%

8mm (Slim with Parker type Refills)			
FRACT/LET	MM	DEC	Δ%
-	7.80	0.307	-2.5%
$\frac{5}{16}$	7.94	0.313	-0.8%
-	8.00	0.315	0.0%
O	8.03	0.316	+0.3%
P	8.20	0.323	+2.6%

Sierra Styles			
FRACT/LET	MM	DEC	Δ%
$1\frac{3}{32}$	10.32	0.406	-3.7%
Z	10.50	0.413	-2.0%
$2\frac{7}{64}$	10.72	0.422	0.0%
-	11.00	0.433	+2.7%
$\frac{7}{16}$	11.11	0.438	+3.7%

Single Tube (Executive, Vertex, Bolts, etc.)			
FRACT/LET	MM	DEC	Δ%
U	9.35	0.368	-1.9%
-	9.50	0.374	-0.3%
$\frac{3}{8}$	9.53	0.375	0.0%
V	9.58	0.377	+0.5%
W	9.80	0.386	+2.9%

Various Jr. Rollerball Upper Tubes			
FRACT/LET	MM	DEC	Δ%
*	11.25	0.443	-2.3%
*	11.29	0.444	-1.9%
$2\frac{9}{64}$	11.51	0.453	0.0%
$1\frac{5}{32}$	11.91	0.469	+3.4%
-	12.00	0.472	+4.3%

Jr. Rollerball Lowers (Baron, Sedona, etc.)			
FRACT/LET	MM	DEC	Δ%
V	9.58	0.377	-3.5%
W	9.80	0.386	-1.2%
$2\frac{5}{64}$	9.92	0.391	0.0%
-	10.00	0.394	+0.8%
X	10.08	0.397	+1.6%

Various Jr. Rollerball Upper Tubes			
FRACT/LET	MM	DEC	Δ%
-	12.00	0.472	-4.0%
$3\frac{1}{64}$	12.30	0.484	-1.6%
-	12.50	0.492	0.0%
$\frac{1}{2}$	12.70	0.500	+1.6%
*	12.80	0.504	+2.4%

Cigar and others (Vesper, Deven, etc.)			
FRACT/LET	MM	DEC	Δ%
W	9.80	0.386	-2.0%
$2\frac{5}{64}$	9.92	0.391	-0.8%
-	10.00	0.394	0.0%
X	10.08	0.397	+0.8%
-	10.20	0.402	+2.0%

Various Full Size Rollerball Upper Tubes			
FRACT/LET	MM	DEC	Δ%
$\frac{9}{16}$	14.29	0.563	-2.7%
-	14.50	0.571	-1.3%
$3\frac{7}{64}$	14.68	0.578	0.0%
-	15.00	0.591	+2.1%
$1\frac{9}{32}$	15.08	0.594	+2.7%

* Note: Some metric sizes are commercially available as standard metric tap drills.