



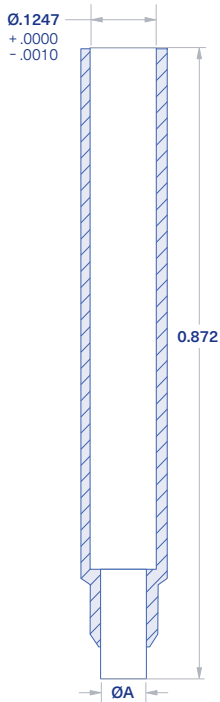
Cathtip Flow Thru™

DRILLS 440C

The CATHTIP proprietary Flow Thru™ Hollow Drills refined process control, and manufacturing excellence have made its machines a staple of most major catheter production clean rooms.

Make the leap to a higher level of catheter hole drilling and punching with CATHTIP's proprietary drills. Attain the highest quality hole appearance while reducing manufacturing costs with fast throughput and infrequent drill bit changes.

Benefit from CATHTIP's proprietary Flow Thru™ hollow design drills in your high volume production environment. The ground edge and the exact geometry of the drills make holes that are rounded on the outside and burr-free on the inside.



- Slugs flow through drill bit to filter**
Work area is kept free of hole slugs
- Down to .0015" wall thickness**
Minimal plastic cold flow around holes
- Hardened steel titanium nitride coating**
Long life with BaSO₄, TiO₂, and other abrasive fillers
- Stiff cutting tip and high concentricity**
No scuff marks at hole entry
No bending or vibration during drilling
- Extremely sharp cutting edge**
Clean at hole exit, burr-free hole
- Custom designed processes and edge geometries**
Hole characteristics that fit your requirements



Drill Size* in inches	Drill Shaft Diameter	Drill Length in inches
Custom	0.1250	0.872 +/- 0.002
0.0180	0.1250	0.872 +/- 0.002
0.0215	0.1250	0.872 +/- 0.002
0.0230	0.1250	0.872 +/- 0.002
0.0250	0.1250	0.872 +/- 0.002
0.0270	0.1250	0.872 +/- 0.002
0.0340	0.1250	0.872 +/- 0.002
0.0360	0.1250	0.872 +/- 0.002
0.0394 (1MM)	0.1250	0.872 +/- 0.002
0.0400	0.1250	0.872 +/- 0.002
0.0440	0.1250	0.872 +/- 0.002
0.0465	0.1250	0.872 +/- 0.002
0.0500	0.1250	0.872 +/- 0.002
0.0510	0.1250	0.872 +/- 0.002
0.0520	0.1250	0.872 +/- 0.002
0.0530	0.1250	0.872 +/- 0.002
0.0560	0.1250	0.872 +/- 0.002
0.0580	0.1250	0.872 +/- 0.002
0.0620	0.1250	0.872 +/- 0.002
0.0670	0.1250	0.872 +/- 0.002
0.0720	0.1250	0.872 +/- 0.002
0.0800 (2MM)	0.1250	0.872 +/- 0.002
0.0860	0.1250	0.872 +/- 0.002
0.1200 (3MM)	0.3750	0.875 +/- 0.001
0.1250	0.3750	0.875 +/- 0.001
0.1320	0.3750	0.875 +/- 0.001
0.1500	0.3750	0.875 +/- 0.001
0.1576 (4MM)	0.3750	0.875 +/- 0.001
0.1970 (5MM)	0.3750	0.875 +/- 0.001
Custom	0.3750	0.875 +/- 0.001

*Custom sizes available on request. 440C stainless steel hardened drills with precision ground edges have long edge wear and can be resharpened (quoted on request).



Cathtip is proud to be an MMT company – the sole source for automated, process-driven medical manufacturing. Medical Manufacturing Technologies (MMT) brings together applications expertise, technical solutions, and aftermarket support to revolutionize medical device manufacturing. [Learn more at mmt-inc.com](http://mmt-inc.com).