



## "Tunnel Gate Logic" CNC EDM Tunnel Gate Chucks

Go to [www.miertool.com](http://www.miertool.com)  
to see additional information and gate chuck images

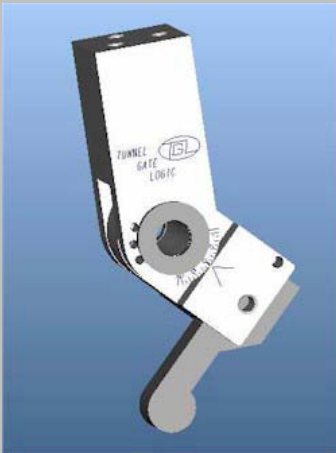
This system has been developed by a mold builder specifically for the CNC EDMing of plastic injection mold tunnel gates. The current systems that are now available are not made for easy angle setting or for easy tool length offset settings when using multiple tool holders.



This system allows for the quick setting of tunnel gate angles from 0 to 90 degrees in 5 degree increments.



- The holders are designed to use 3/8 square electrode material. You will end up grinding a group of electrodes to your desired included angle using a Harig type grinding fixture or similar. These electrodes can also be purchased from us in a variety of standard included angles.
- The more tunnel gates you need to burn, the more this system makes sense, however, if you are just setting up to burn one gate, this system will still show up it's merits.
- If you have a CNC EDM and are still putting in tunnel gates with the work piece sitting at an angle, it's time for you to take advantage of the system.
- CNC EDMing makes burning multiple locations a snap. Now with this system your tunnel gate setups and burning will be just as easy.



TGL shown here with tool length offset probe.

Notice the 5 degree graduations and the 3 reference pin holes for easy angle setups. No sine plate required to indicate in the angle.



The teardrop probe attachment makes it possible to set your tool length offsets so that all the holders in the group are identical. You locate one holder to your work piece with one of the tunnel gate electrodes and all the other holders will repeat to your programmed locations and depths.



Utilize the full potential of your CNC ram EDM tool changer and save 16% on a set of 4 supplied with a tool length offset probe and plastic storage case.

**Part # TGL 01:**

One Tunnel Gate Logic gate chuck. The shank will mount in any EDM holder that will clamp a 1" square body. The end is machined to accept a 3R-461E Macro Jr. coin.

Approximate size: 1 X 1 X 3 1/4"  
Made from hardened tool steel

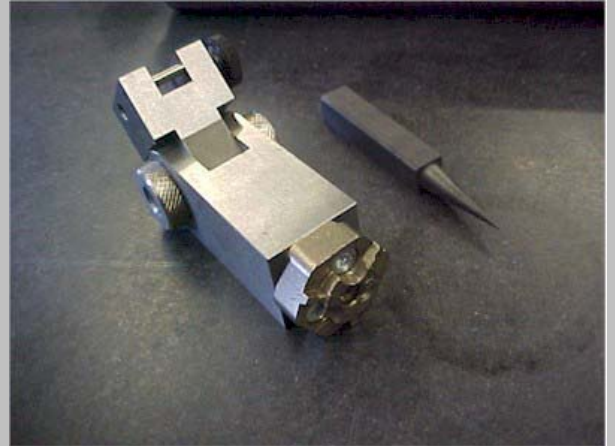
**Price: \$875.00**



**Part # TGL 01C:**

One Tunnel Gate Logic gate chuck. Complete with a tuned 3R Macro Jr coin, part # 3R-461E.

**Price: \$925.00**



MIER TOOL COMPANY  
1678 Clark Street Road  
Auburn, New York 13021



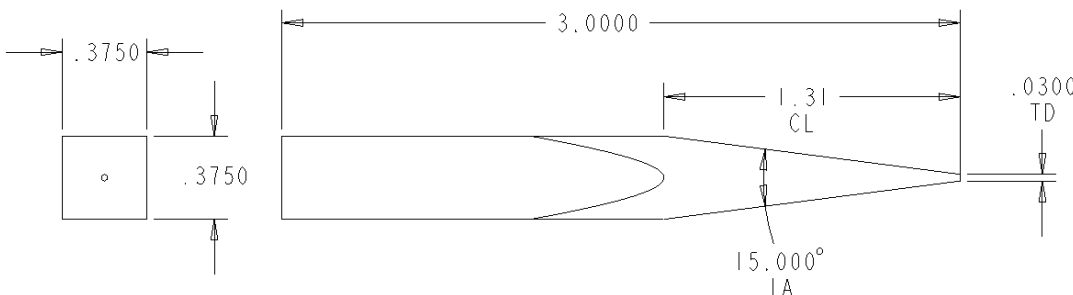
To order, Contact Mier Tool Company at 315-253-3412 or fax to 315-255-1639

The Tunnel Gate logic is another fine product designed to reduce setup times for tool makers and EDM operators working in the mold building industry. Designed and manufactured by Mier Tool Company, Auburn New York.

TGL part #	Tip Diameter TD	Included Angle IA	Overall Length	Cone Length CL	Price: ( 25 piece minimum)
TGL 010-10	.010"	10	3"	2.09"	\$9.50 ea
TGL 010-15	.010"	15	3"	1.39"	\$9.50 ea
TGL 010-20	.010"	20	3"	1.04"	\$9.50 ea
TGL 030-10	.030"	10	3"	1.97"	\$9.50 ea
TGL 030-15	.030"	15	3"	1.31"	\$9.50 ea
TGL 030-20	.030"	20	3"	.98	\$9.50 ea

**Precision ground tunnel gate Electrodes:**

All electrode blanks are made from fine grain graphite and precision ground to make for the consistent EDMing of tunnel gate angles and diameters. Several standard sizes are in stock and ready for immediate shipment. Custom sizes available upon request and are still priced at just \$9.50 each.



All electrodes are sold in a 25 piece minimum order