A Continuous Pin Support Fixture

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A video of this fixture in action can be seen at

https://www.youtube.com/watch?v=aJ8uGU7YGvw



This fixture enables me to cut 3/16" CRS rod into pins about 1" long without stopping the lathe.

The above prototype was actually made about $\frac{3}{4}$ " too short. The left end was cut to about $\frac{1}{4}$ " thick but it should have been 1". It still works OK but the drill chuck that holds the fixture doesn't have a lot to grab. Not present in this prototype is the cross drilled hole used to locate the end of the rod.

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This rendering shows what the fixture should look like.



A cutter is fed into the slot. The diagonal part of the cutter does the work.



The right side of the cutter almost touches the right side of this slot and is then fed straight in. This forms the point and parts off the previously cut pin.





I welcome your comments and questions.

If you wish to be contacted each time I publish an article, email me with just "Article Alias" in the subject line.

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