

# Multi-Axis Turning

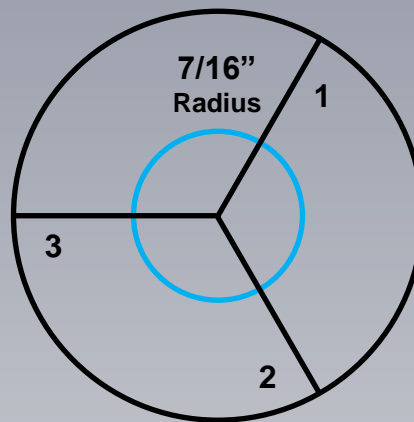
*Jeffery Cheramie  
and  
Ralph Mosher*

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*Based on a demo by Barbara Dill  
CNY Woodturners Spring 2011  
<http://www.barbaradill.com/>*

# Axis Template



1-1/8" Circle

## Straight

1 to 1  
2 to 2  
3 to 3

## Twist

1 to 2  
2 to 3  
3 to 1

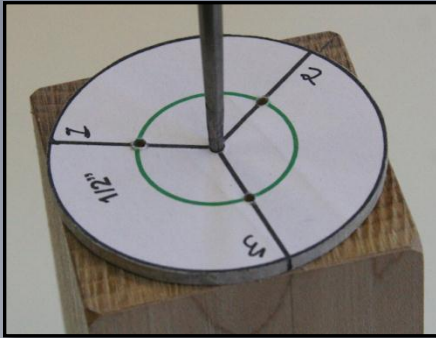
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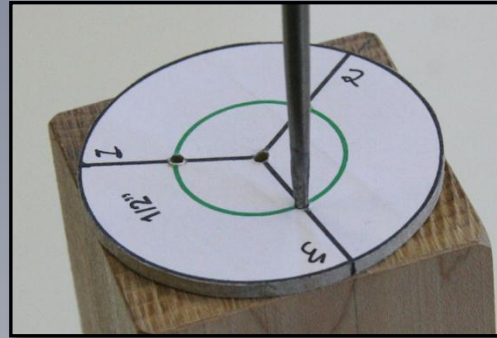


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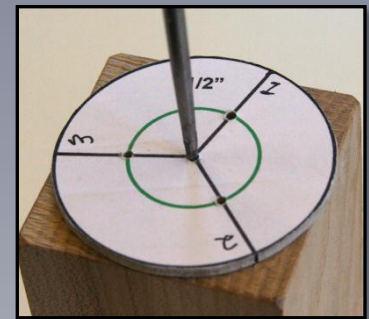
# Angle set up



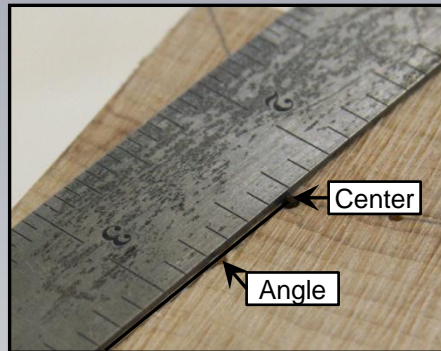
Mark the center on one end of blank



Mark the angle points



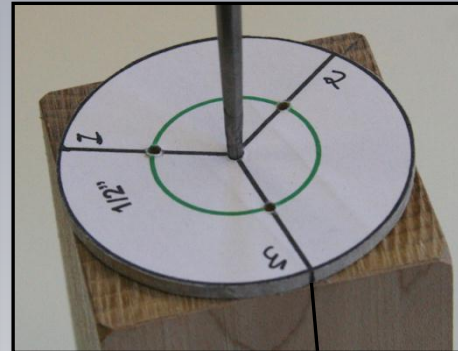
Mark the center on the opposite end of the blank



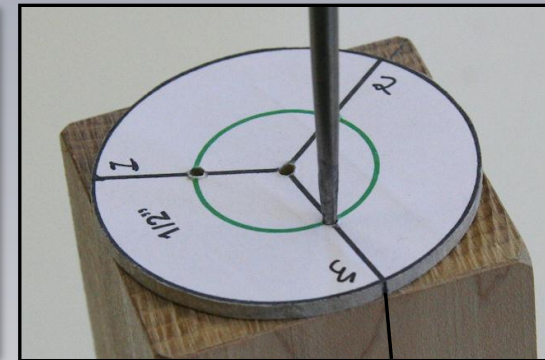
Draw line from center through the angle mark to the edge of the blank



Mount between centers and transfer the angle line to the opposite end of the blank



Line up the center on opposite end of the blank

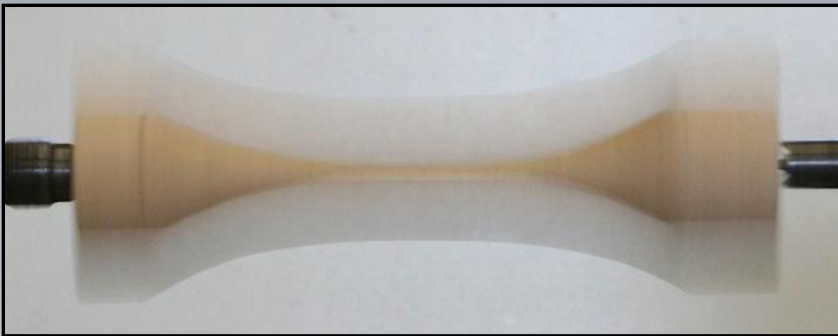


Line up the transferred angle line and mark the three angle points

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**Stationary**



**Dynamic**

**Straight**

1 to 1

2 to 2

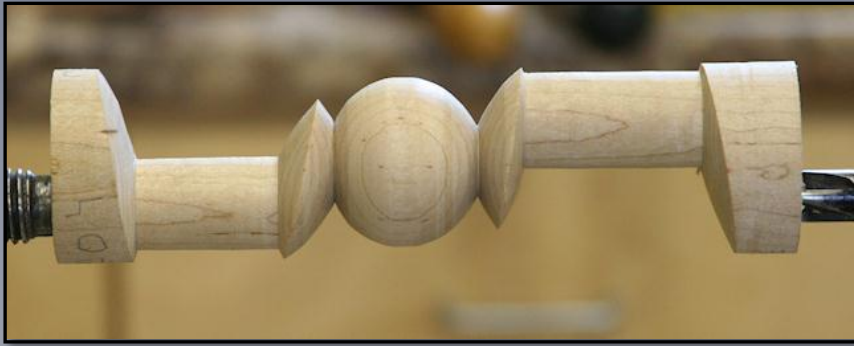
3 to 3

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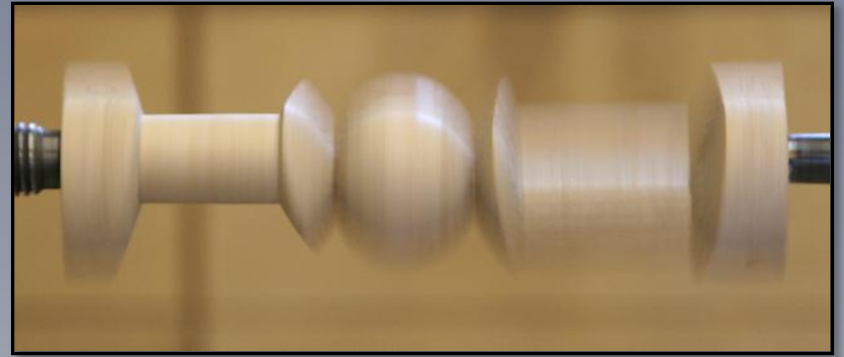
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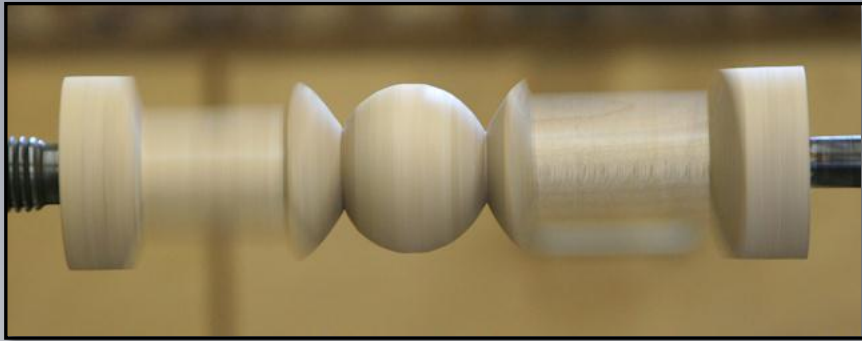
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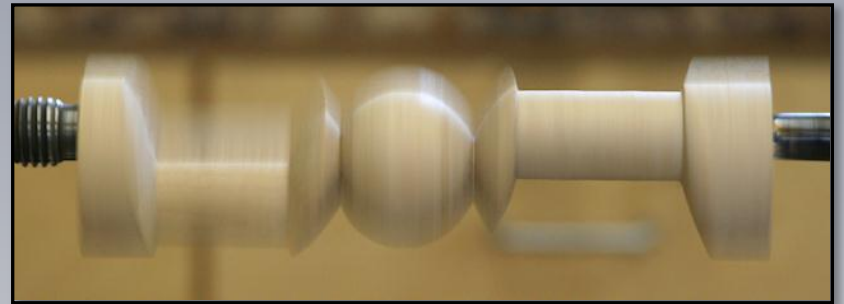
**Stationary**



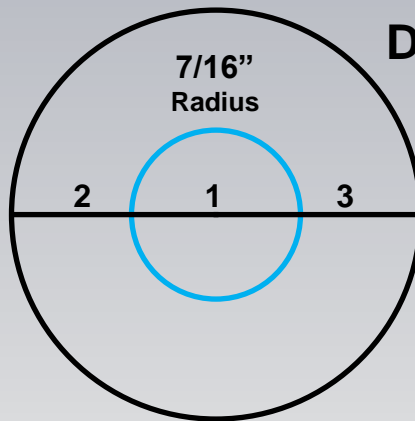
**Dynamic Left Center 2-2**



**Dynamic Ball Center 1-1**



**Dynamic Right Center 3-3**



**Straight**

1 to 1

2 to 2

3 to 3

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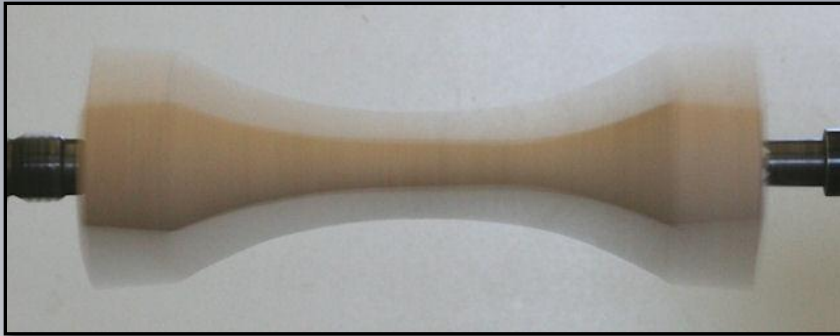


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1-1/8" Circle



**Stationary**



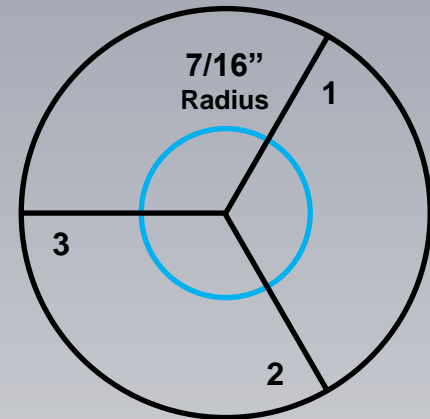
**Dynamic**

**Twist**

1 to 2

2 to 3

3 to 1



**1-1/8" Circle**

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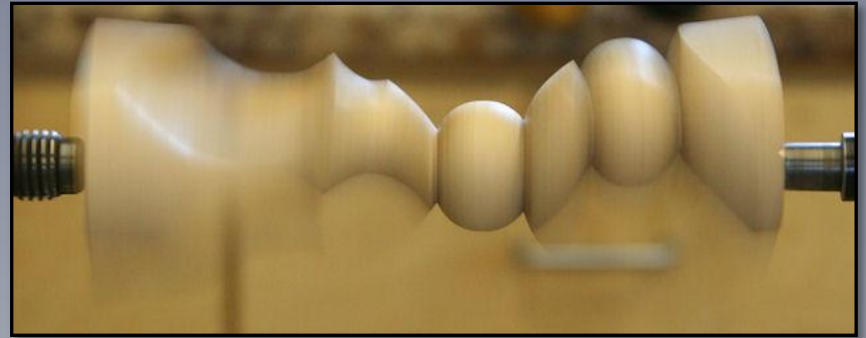
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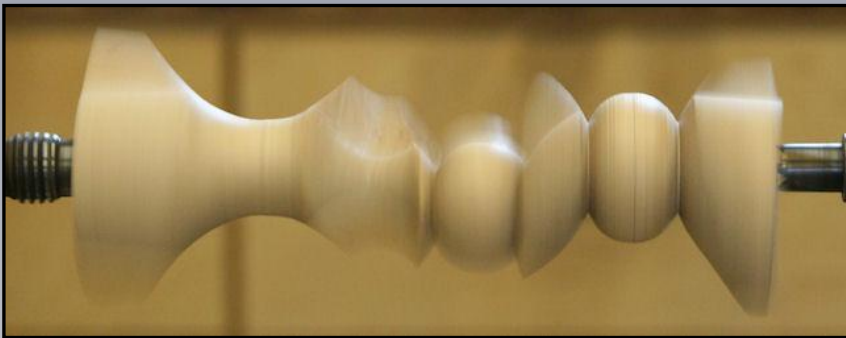
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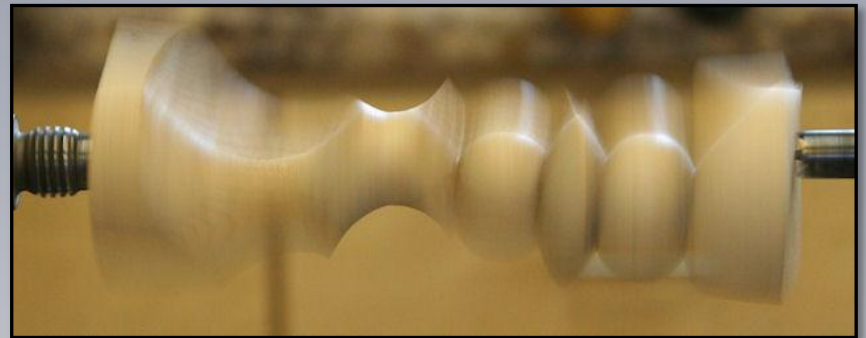
**Stationary**



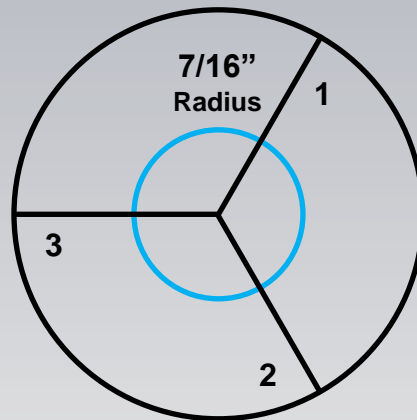
**Dynamic 2-3**



**Dynamic 1-2**



**Dynamic 3-1**



**1-1/8" Circle**

**Twist**

- 1 to 2
- 2 to 3
- 3 to 1

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