

Gouge diameter of the cane versus cylinder diameter

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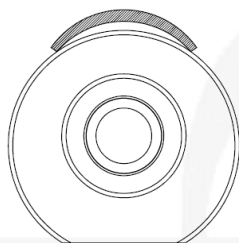


Image 1

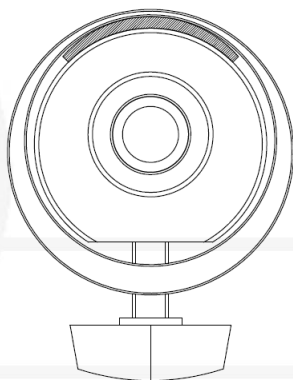


Image 2

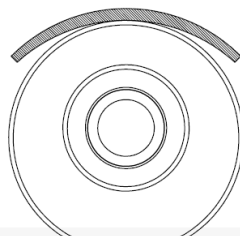


Image 3

To clearly show the difference between the gouge diameter of the cane and the cylinder diameter, the diameter differences are exaggerated.

To avoid damages, the gouged piece of cane has to lie completely against the cylinder when it is profiled. Because gouged cane is mostly thicker in the middle, it has to be pressed against the cylinder, in the middle (see image 2).

If the gouge diameter of the cane is:

- **Smaller** than the cylinder diameter (see image 1), there is an air gap between the middle of the cane and the cylinder. When the cane is clamped (see image 2), it is pressed completely against the cylinder.
- **Equal** to the cylinder diameter (see image 2), it is completely against the cylinder. Clamping the cane is only needed to fix it to the cylinder.
- **Bigger** than the cylinder diameter (see image 3), the sides are not against the cylinder, even when the cane is clamped.

To avoid that the sides are not against the cylinder, or the cane is cracked in the middle because it is deformed too much, you have to use:

- Cylinder diameter 26mm for cane gouged till diameter 26mm.
- Cylinder diameter 30mm for cane gouged till diameter 30mm.