

Barrel Chucking

Over the course of time, there has been an evolution of the chucking mechanisms. As they operate, the work collets, the high speed clutches and the hand clutches all have chucking action that takes place.

The Barrel chucking mechanism is the latest version and most significant improvement in chucking on the Davenport automatic.

There are two distinct advantages to the barrel chuck:

- 1.** The force used to close the barrel chuck is significantly lower and extends the life of all components associated with opening and closing the collets, and engaging and disengaging the clutches.
- 2.** As the name implies, the mechanism uses barrel shaped cylinders inside, which roll as it operates. The barrel shape also allows for more surface contact, which combined with the rolling action, makes the life expectancy of the barrel chuck greater than it's predecessors.

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