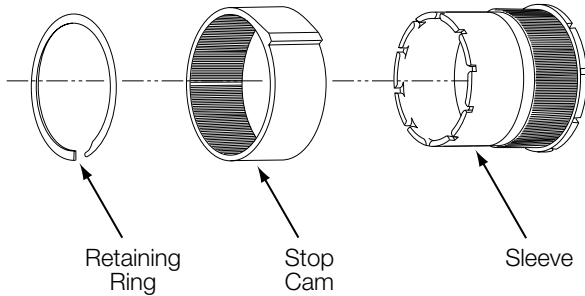


# CB Stop Collar Adjustment

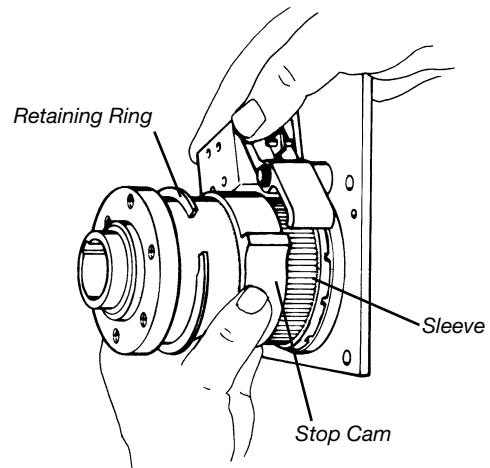
## CB Stop Collar Adjustment

Each CB and Super CB Series unit has an incrementally adjustable collar, which allows for changes to the output orientation.



To adjust the stop collar output orientation:

- Wrap the brake spring down completely by rotating the output shaft in the driving direction until it cannot travel any further;
- Remove the retaining ring from its groove and slide it forward on the sleeve; then,
- Hold the actuator clear, while sliding the stop cam off the sleeve. Rotate the cam to the desired stop position, and slide it back onto the sleeve; and,
- Slide the retaining ring back into position.

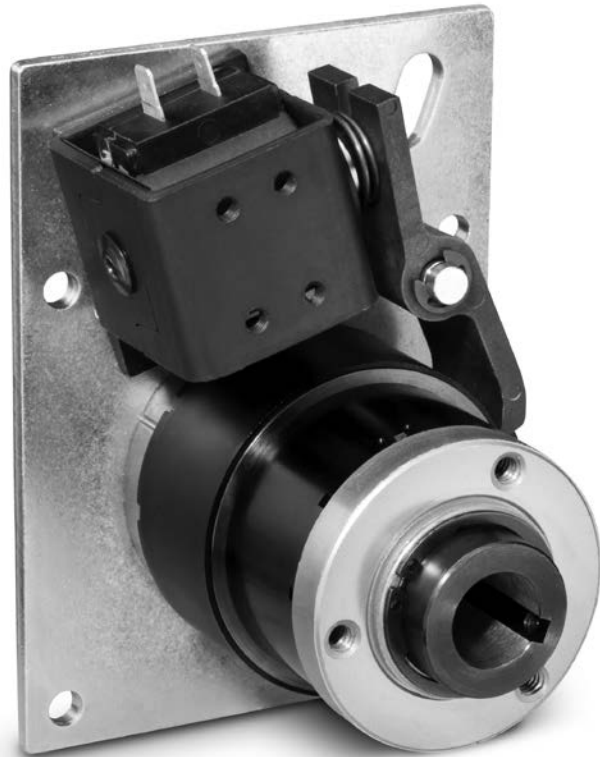


### Adjustment Increments with Standard Stop Collars

CB-2	Infinitely Adjustable
CB-4	2.4° Adjustable
CB-5/Super CB-5	1.8° Adjustable
CB-6/Super CB-6	1.8° Adjustable
CB-8/Super CB-8	1.6° Adjustable
CB-10/Super CB-10	1.5° Adjustable

## Combination Clutch/Brake Packages

CB Series clutch/brake combinations are designed for applications requiring a continuous rotational input being converted into starting and stopping a load. To start motion, the solenoid is pulsed, moving the actuator arm away from the control collar. This allows the clutch spring to wrap (wind) down onto the output assembly while the brake spring is unwinding, allowing the output to drive. Motion is stopped when the actuator returns to its rest position and the control collar rotates, stopping against the actuator. This forces the clutch spring to unwind releasing the input from the output and wraps the brake spring down, stopping the output. Anti-back and anti-overnun springs maintain position accuracy by eliminating any backward movement or bounce when stopped. The actual stopping position can be adjusted after installation by moving the splined cam of the control collar assembly.



The input hub is drilled and tapped to allow for mounting of sprockets, gears, sheaves, etc. The output is a hollow quill that mounts onto the customer's driven shaft. The backing plate is not a mounting plate. It must be held in place by a loose fit pin to eliminate any side or radial loads from preloading the unit's bearings.

### Features

- Stop Position Accuracy  $\pm 1/2^\circ$
- Adjustable Output Stop Positions
- Standard Features
  - CW or CCW Rotation
  - Hub Input – Shaft Output
  - Anti-Overrun Output does not overrun Input
  - Anti-Back Output does not Backup
- 1, 2 and 4 stop collars for  $360^\circ$ ,  $180^\circ$ , and  $90^\circ$  output increments standard
  - Special multi-stop collars also available (up to 24 stops)
- 115 VAC and 24 VDC Solenoids Standard
  - Other Voltages Available
- Dimensionally Interchangeable with Competitive Units
- 5 Standard Models
  - CB-2
  - CB-4
  - CB-5
  - CB-6
  - CB-8
  - CB-10