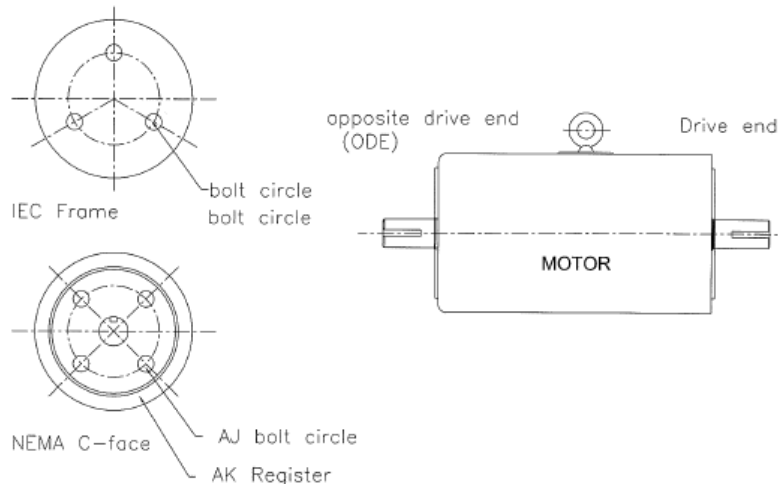


Selecting a Spring Applied Brake

- HP & RPM
- Frame Size, bolt circle, shaft diameter and keyed shaft length where the brake will mount. The ODE frame or shaft size may differ from the drive end.



- Brake release voltage.
Coils are single phase AC voltage & frequency or DC. Wire separate from any VFD as coil tolerance is as rated (+ / - 10%).
- Mount orientation: horizontal as shown in the sketch or drive shaft up? drive shaft down?
- Mark-up the sketch as needed.
Stearns brakes are typically mounted to the motor opposite drive end (ODE).
Drive end coupler style mount available in 1.5 thru 105 lb-ft, 56TC thru 254TC frames.
Brake-fan kits may be available, contact the motor sales office.
Metric mount may be a hub to shaft press fit with retaining groove & clip or a keyed shaft.
- The motor-brake will be used for (select all that apply): rapid stop & hold, hold a horizontal load, hold a vertical load, Emergency stop only. A Large lowering load? Large Inertia?
- Stop times? E-stops expected? Cycle rate: per minute? Per day? Other?
- Enclosure requirements (select a minimum rating): IP23, IP53, IP 54, IP 56, other.
Corrosive area? Ambient & temperature range? Weather exposure? Hazardous rated environment?
Material and construction options will be suggested based on information provided.
- Describe the application. Stearns offers a range of options and features.
- Replacement: Stearns serial number & model number or manufacturer information.