



Marine, Maritime & Navy Brakes

FOR INDUSTRIAL APPLICATIONS



With over 100 years of design and manufacturing experience across multiple industries, Stearns has engineered a portfolio of brakes specifically intended to meet federal and military standards for offshore and severe duty marine applications. Our maritime portfolio of high-performance solenoid (SAB) and armature (AAB) actuated brakes is designed to reduce maintenance and ship downtime in both freshwater and saltwater applications.

Benefits of Motor-Mounted Brakes

- Explosion-proof motor brake models for corrosive environments
- Zinc-rich factory primer reduces housing oxidation in the harshest climates
- Internal space heater combats condensation build up to prolong brake life
- Strategically engineered gaskets prevent water seepage into brake
- Manufactured & assembled in the US for fast & affordable shipping
- US-based technical & service support by dedicated brake experts

Solutions for Freshwater & Saltwater Applications

- Barges, tugboats, cargo ships, coast guard & Navy ships
- Mooring winches, hoists & cargo elevators
- Rubber tire & rail mounted gantry cranes
- Automated stacking cranes & davit cranes
- Capstans & anchor windlasses

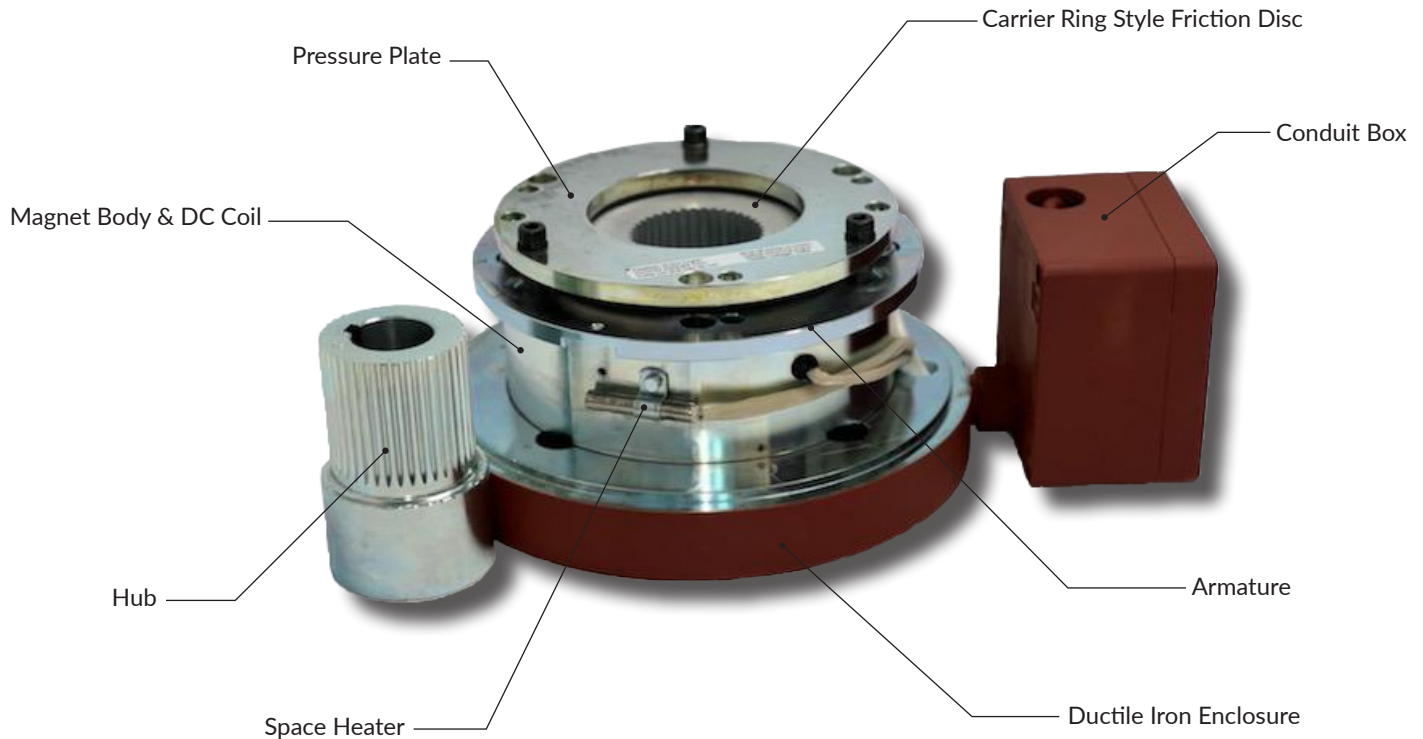
Features

- Cast & Ductile Iron Enclosures
- Full Crane Duty Side Release & Manual Reset
- Brakes Self-Adjust for Wear
- Brass Pressure Plate & Stationary Discs
- Optional Encoder, Additional Gaskets & Internal Space Heater
- Class 180(H) Coil Insulation
- IP56 Enclosure Rating
- IEEE 45, Federal Standard 46 & ABS Compliant
- Navy MIL-B-16392C Compliant

SAB 86,000 Series




AAB 361 Series



*Housing has been removed.

Technical Characteristics	Torque	IP Rating	Voltage	Actuation
Marine Brakes				
SAB 56,200 Series	1.5-25 lb-ft	IP 56	AC	Solenoid
SAB 82,000 Series	125-440 lb-ft	IP 56	AC	Solenoid
SAB 86,000 Series	500-1,200 lb-ft	IP 56	AC	Solenoid
SAB 87,000 Series	6-125 lb-ft	IP 56	AC	Solenoid
AAB 350 Series	75-300 lb-ft	IP 56	DC*	Armature
AAB 360 Series	35-300 lb-ft	IP 56	DC*	Armature
Maritime Brakes				
SAB 82,400 Series	125-440 lb-ft	IP 56	AC	Solenoid
SAB 86,400 Series	500-1,200 lb-ft	IP 56	AC	Solenoid
SAB 87,M00 Series	10-125 lb-ft	IP 56	AC	Solenoid
Navy Brakes				
SAB 82,600 Series	125-440 lb-ft	IP 56	AC	Solenoid
SAB 86,600 Series	500-1,200 lb-ft	IP 56	AC	Solenoid
SAB 87,600 Series	10-125 lb-ft	IP 56	AC	Solenoid

*Can be rectified for AC.

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