

Tire Press Brakes

FOR TIRE MANUFACTURING PLANTS

CONTINUOUS IMPROVEMENT & PUTTING CUSTOMERS FIRST

A tire manufacturing customer approached Stearns to develop a new brake with a longer service life to increase the time before required system maintenance.

APPLICATION CHALLENGES

Due to the high ambient temperature and high inertia load in the tire manufacturing process, standard brake friction materials were wearing too quickly, requiring frequent maintenance. Additionally, pressurized steam was forcing moisture into the brake and causing premature corrosion of the brake components. To overcome these challenges, Stearns engineers developed a high-temperature friction disc material capable of withstanding the high inertia load and ambient temperatures of tire manufacturing to significantly decrease the brake component wear rate. A new IP 54/56* housing was also designed to prevent steam and/or water intrusion inside of the brake. The new design successfully increased the brake's in-service time before required maintenance, even exceeding the expectations of the customer, and is now being widely used in tire plants across the United States.

BENEFITS OF TIRE PRESS BRAKES

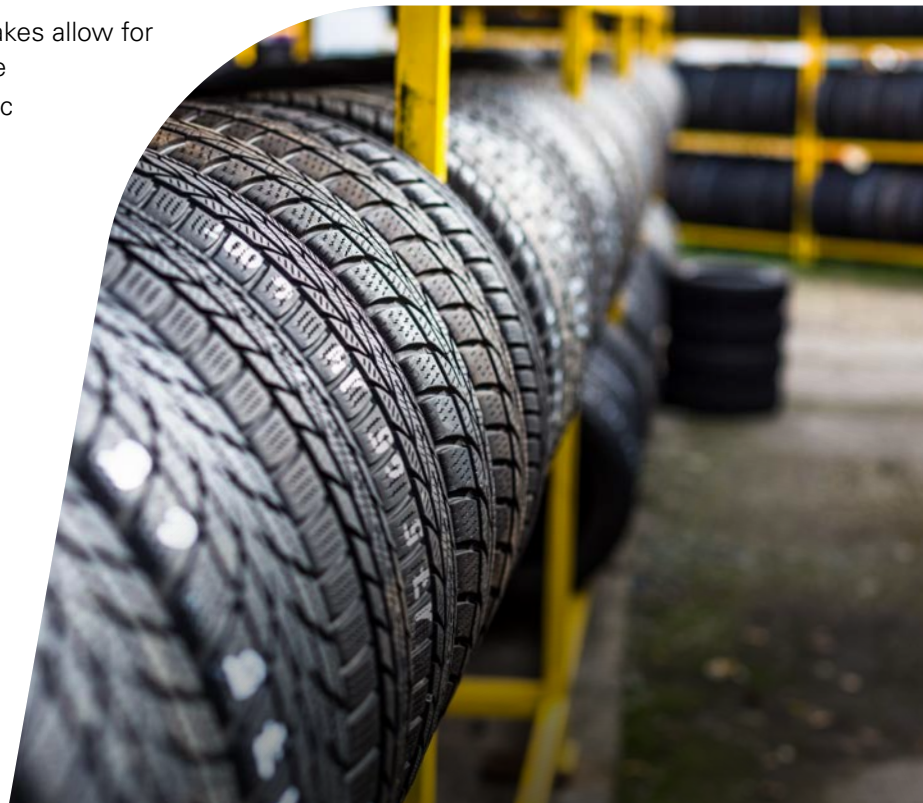
- Combined with an IP 54/56* rating, tire press brakes allow for longer life & greatly reduce required maintenance
- Sealed housing prevents water, steam & hydraulic oil intrusion
- Longer hub & friction disc life
- Higher thermal capacity friction disc

*IP 54; IP 56 with motor gasket.



FEATURES

- Splined Heavy Duty Hub
- Specialty Designed Friction Disc for Higher Operating Temperature & High Inertia Loads
- Cast Iron Endplate
- Internal Manual Release
- Housing Nut O-Rings
- Sealed Manual Release Hole in Housing
- IP 54 or 56 Rating

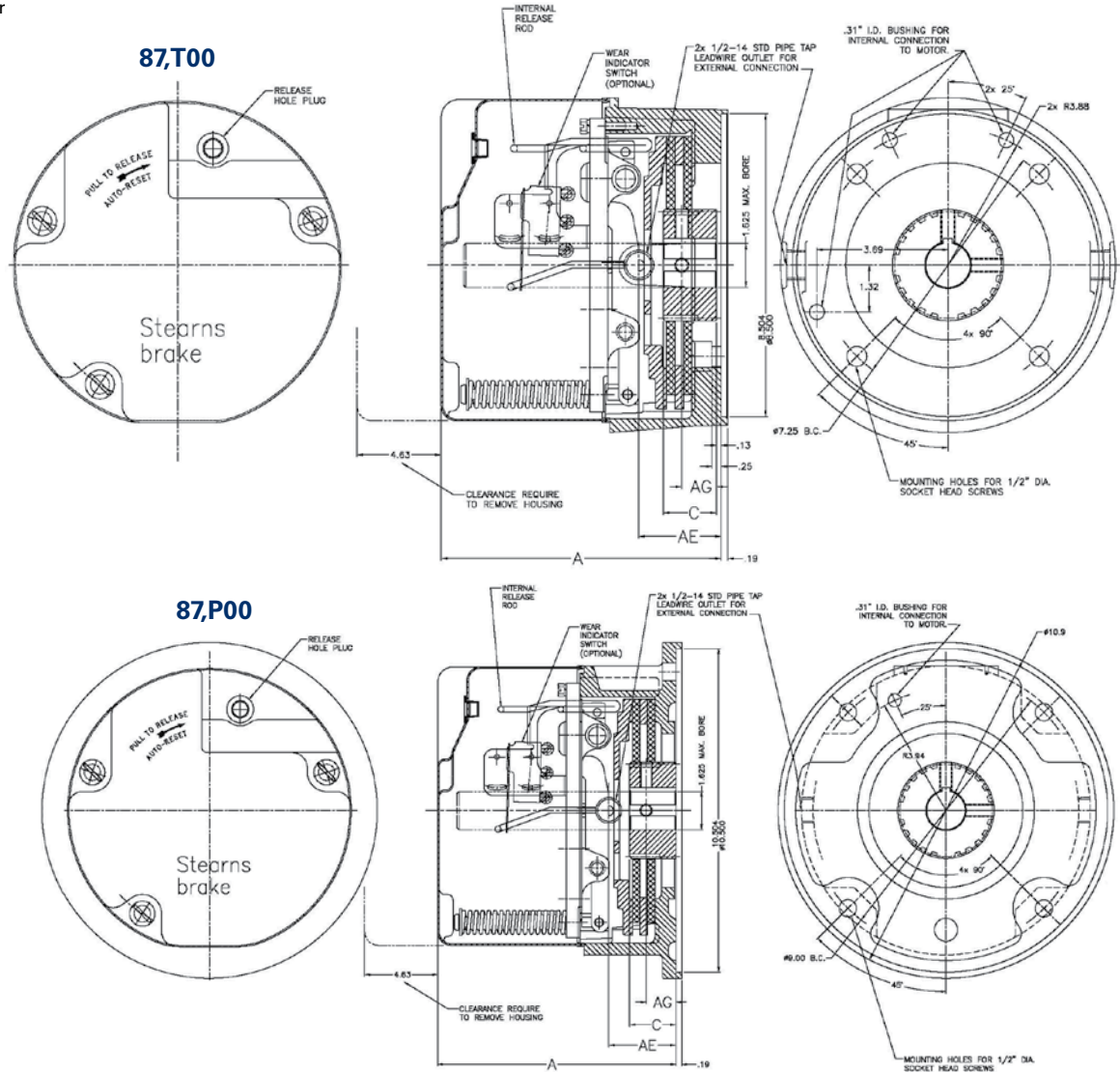


TECHNICAL INFORMATION

Accepted by Motor Manufacturers & UL Recognized

Technical Characteristics	Frame Size	Model Number	Torque	Approx. Weight
Series: 87,T00				
SAB 87,T00	182TC - 256TC	1-087-T12-X0-XXX	10 lb-ft	26 lbs
SAB 87,T00	182TC - 256TC	1-087-T22-X0-XXX	15 lb-ft	27 lbs
SAB 87,T00	182TC - 256TC	1-087-T32-X0-XXX	25 lb-ft	27 lbs
SAB 87,T00	182TC - 256TC	1-087-T42-X0-XXX	35 lb-ft	30 lbs
SAB 87,T00	182TC - 256TC	1-087-T52-X0-XXX	50 lb-ft	32 lbs
SAB 87,T00	182TC - 256TC	1-087-T62-X0-XXX	75 lb-ft	34 lbs
SAB 87,T00	182TC - 256TC	1-087-T82-X0-XXX	105 lb-ft	38 lbs
SAB 87,T00	182TC - 256TC	1-087-T92-X0-XXX	125 lb-ft*	38 lbs
Series: 87,P00				
SAB 87,P00	284 - 286TC/UC	1-087-P52-X0-XXX	50 lb-ft	33 lbs
SAB 87,P00	284 - 286TC/UC	1-087-P62-X0-XXX	75 lb-ft	36 lbs
SAB 87,P00	284 - 286TC/UC	1-087-P82-X0-XXX	105 lb-ft	42 lbs
SAB 87,P00	284 - 286TC/UC	1-087-P92-X0-XXX	125 lb-ft*	42 lbs

*Please note that the 125 lb-ft option is ONLY available for holding applications
 † Accepted by motor manufacturer



Regal Rexnord

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