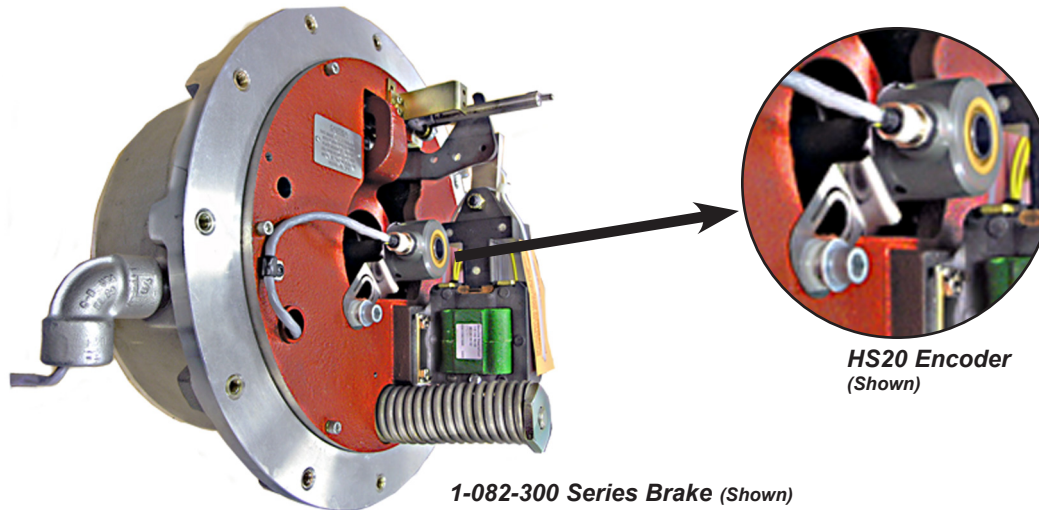


# Encoder Brakes

## Stearns Solenoid Actuated Brakes with Internally Mounted Encoder



### Features

- Available in frame sizes 182TC - 505TC
- All enclosure ratings available, including hazardous location
- Separate conduit exits are provided for the brake and encoder leads, to minimize potential electrical interference
- Choice of encoder manufacturers - Dynapar and BEI

### Benefits

- Encoder located in protected environment - enclosed inside the brake housing
- Simplified encoder mounting - using a hub or shaft-mount encoder - and it's already done!
- Reduced package length - an internal encoder does not add any length to the brake
- Lower installed cost

### Ordering Information

Stearns brakes with internal encoders should be purchased through the motor manufacturer, as a special shaft length and diameter may be required. To order the brake-motor package, specify the brake model and encoder option from the table on the reverse side of this page.



Rexnord Corporation  
Stearns Division  
5150 S. International Drive  
Cudahy, WI 53110  
Ph: 414.272.1100  
Fax: 414.277-4364  
[www.stearns.rexnord.com](http://www.stearns.rexnord.com)

## Ordering Information

For Stearns Solenoid Actuated Brakes (SABs), with internal encoders -

### Industrial Locations

Frame Size	Brake Series	Torque Range (lb-ft)	Encoder Options <sup>1</sup>	Connector / Cable <sup>2</sup>	List Price Adder <sup>3</sup>	List Price Adder <sup>4</sup>	Stearns Drawing No. <sup>5</sup>
182TC-256TC	1-087-EX2	25 - 105	Dynapar HS20 BEI HS20 BEI HS25	M12, 8 Pin / 15' M12, 8 Pin / 5m 10 Pin / 20'	\$2,025 <sup>6</sup> \$4,025 <sup>6</sup> \$4,495 <sup>6</sup>	\$2,945 \$4,945 \$4,415	1087E00ED 1087E00ED
324TC-405TC	1-081-XXX	125 - 230	Dynapar HS20 BEI HS20 BEI HS25	M12, 8 Pin / 15' M12, 8 Pin / 5m 10 Pin / 20'	\$2,500 <sup>7</sup> \$4,500 <sup>7</sup> \$4,970 <sup>7</sup>	\$3,420 \$5,420 \$5,890	10810022ED 10810022ED
324TC-405TC	1-082-XXX	125 - 440	Dynapar HS20 BEI HS20 BEI HS25	M12, 8 Pin / 15' M12, 8 Pin / 5m 10 Pin / 20'	\$2,500 <sup>7</sup> \$4,500 <sup>7</sup> \$4,970 <sup>7</sup>	\$3,420 \$5,420 \$5,890	10820022ED 10820022ED
444TC-505TC	1-086-XXX	500 - 1000	Dynapar HS20 BEI HS20 BEI HS25 BEI HS35M	M12, 8 Pin / 15' M12, 8 Pin / 5m 10 Pin / 20' 10 Pin MS / 15'	\$2,500 <sup>7</sup> \$4,500 <sup>7</sup> \$4,970 <sup>7</sup> \$6,100 <sup>7</sup>	\$3,420 \$5,420 \$5,890 \$7,020	10860022ED 10860022ED 10860022ED 10860022E35D

### Division 1 Hazardous Location<sup>8</sup>

182TC-256TC	1-087-3X8	10 - 105	Dynapar HS20 BEI HS20	M12, 8 Pin / 15' M12, 8 Pin / 5m	\$1,780 <sup>9</sup> \$3,805 <sup>9</sup>		1087308D <sup>11</sup> 1087308D <sup>11</sup>
324TC-405TC	1-082-3X4	125 - 330	Dynapar HS20 BEI HS20 BEI HS25	M12, 8 Pin / 15' M12, 8 Pin / 5m 10 Pin / 20'	\$6,300 <sup>10</sup> \$8,325 <sup>10</sup> \$8,795 <sup>10</sup>		1082304D <sup>12</sup> 1082304D <sup>12</sup>

<sup>1</sup> Encoders are Optical, 1024 PPR. Options shown or factory approved equivalents may be used.

<sup>2</sup> Cables are shielded. Lengths are from encoder connector, inside the brake (not from outside of brake housing)

<sup>3</sup> Brake must be supplied by the motor manufacturer (a longer "stepped-down" (5/8" diameter) motor shaft is required).

<sup>4</sup> A special/longer brake hub is supplied (with 5/8" diameter extension for encoder)

<sup>5</sup> Request this drawing for shaft design requirements

<sup>6</sup> List adder to 10870X0

<sup>7</sup> List adder to IP54 brake models

<sup>8</sup> No motor shaft modifications required, beyond the brake requirements for a standard hazardous location brake.

<sup>9</sup> List adder to 10873X5 or 10873X8

<sup>10</sup> List adder to 10823X4

<sup>11</sup> Drawing 1087308D brake model mounts close-coupled to the motor end bell.

For the brake model that mounts to the motor fan guard, refer to drawing 10873081D.

For the brake model that mounts to the motor fan guard - with a slinger - refer to drawing 10873052D.

<sup>12</sup> Drawing 1082304D brake model mounts close-coupled to the motor end bell.

For the brake model that mounts to the motor fan guard, refer to drawing 10823042D.

**In addition to the fully enclosed brake with internal encoder option, encoders can be adapted externally to Stearns brakes:**

