

# LIST PRICE SCHEDULE for Spring-Set Brakes

## Contents

Ordering and Identification Information .....	2-3
<b>Solenoid Actuated Spring-Set Brakes (<i>Manually-Adjusted</i>)</b>	
Series 48,100 .....	4
Series 56,000 .....	4
Series 56,100 .....	5
Series 56,200 .....	5
Series 56,300 .....	6
Series 56,400 .....	6
Series 56,500 .....	7
Series 56,600 .....	7
Series 56,900 .....	8
<b>Solenoid Actuated Spring-Set Brakes (<i>Self-Adjusting</i>)</b>	
Series 81,000 .....	10
Series 82,000 .....	10
Series 86,000 .....	11
Series 87,000 .....	12
Series 87,100 .....	13
Series 87,200 .....	13
<b>Solenoid Actuated Spring-Set Brakes (<i>Hazardous-Location</i>)</b>	
Series 56,800 .....	8
Series 65,000 .....	9
Series 65,300 .....	9
Series 82,300 .....	11
Series 87,300-00, -01 and -02 .....	13
Series 87,300-00 IP55 .....	13
Series 87,800 .....	14
<b>Solenoid Actuated Spring-Set Brakes (<i>Double C-Face Couplers</i>)</b>	
Series 56,700 .....	8
Series 87,700 .....	14
<b>Motor Frame Adapters and Foot Mounts .....</b>	<b>15</b>
<b>Modification List Prices .....</b>	<b>16-18</b>
<b>Armature Actuated Spring-Set Brakes</b>	
310 & 311 Series .....	19
320 Series .....	20
321 Series/322 Series .....	21
331 & 333 Series/331 & 333 C-Face .....	22-23
350 Series .....	24
360 Series .....	25
321 & 322 NEMA C Series .....	26
AAB Modification List Price Adders .....	27
AC Rectifiers .....	28

## Policies, Terms and Conditions

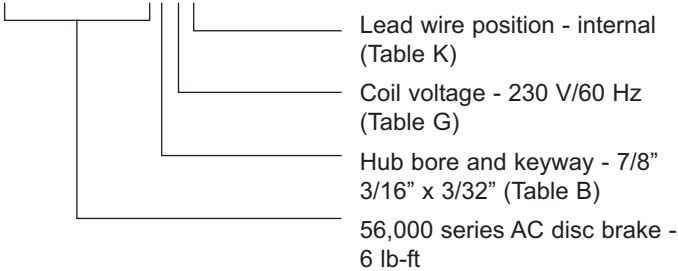
See individual discount schedules

# Ordering and Identification Information

Each Stearns disc brake is uniquely specified by a 12 position, alpha-numeric part number. For most standard brakes, the first nine positions identify a specific brake, including series, style, torque, current and enclosure. The last three positions of the part number are for alphabetic characters that specify hub bore - keyway combination, coil voltage and lead wire position.

For example, when ordering a 6 lb-ft, 56,000 series brake for 230 V/60 Hz service on a 2 hp, 1,800 rpm, TEFC, 145 TC frame motor with 7/8" shaft, 3/16" x 3/32" keyways, and internal lead wire connection, the brake should be specified as follows:

## 1-056-021-00-DFE

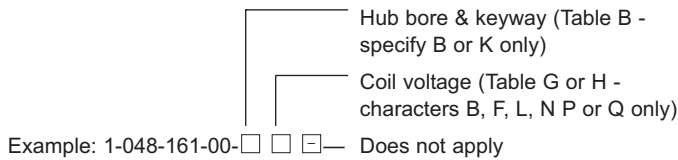


When ordering a brake with modifications or a model number not shown in this bulletin, specify all requirements. A special stock number will be assigned.

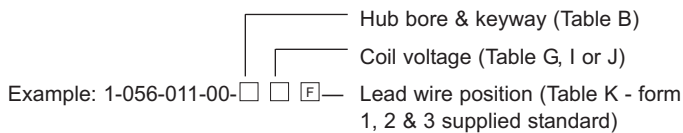
The following examples and tables provide information for selecting the appropriate three-letter suffix when ordering a Stearns brake. A dash (-) is used when no alphabetic character is required.

## Solenoid Actuated Spring-Set Brakes

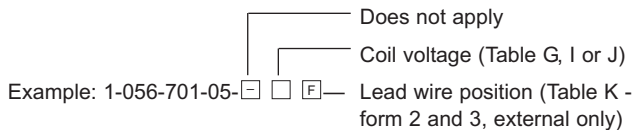
### Series 48,100 disc brake



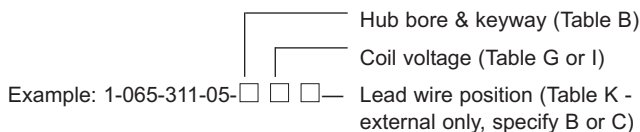
### Series 56,000; 56,100; 56,200; 56,300; 56,400; 56,500; 56,600; 56,800 and 56,900 disc brakes



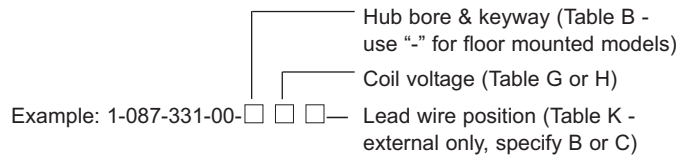
### Series 56,700 disc brake



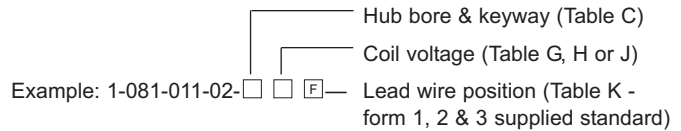
### Series 65,000 and 65,300 disc brakes



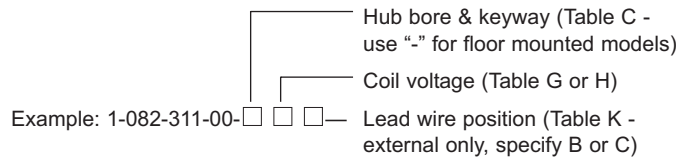
### Series 87,300 disc brakes



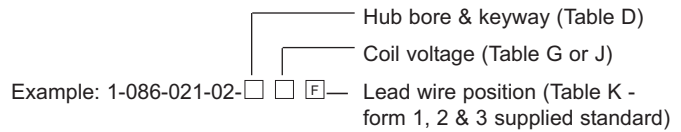
### Series 81,000 and 82,000 disc brakes



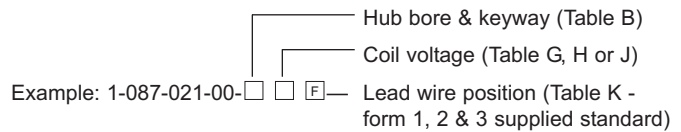
### Series 82,300 disc brake



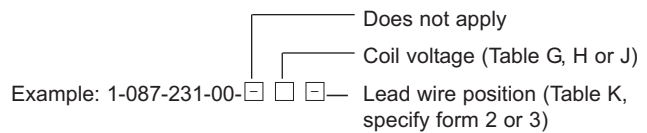
### Series 86,000 disc brake



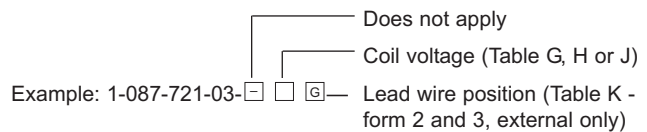
### Series 87,000; 87,100 and 87,800 disc brakes



### Series 87,200 disc brake



### Series 87,700 disc brake



## Armature Actuated Spring-Set Brakes

**310/311 Series** (see individual Tables on Page 19)

**320 Series** (see individual Tables on Page 20)

**321/322 Series** (see individual Tables on Page 21)

**331/333 Series** (see individual Tables on Pages 22-23)

**350 Series** (see individual Tables on Page 24)

**360 Series** (see individual Tables on Page 25)

**TABLE A\***

Character	Bore (in.)	Keyway (in. x in.)
A	3/16	none
B	3/16	1/16 x 1/32
C	1/4	none
D	1/4	1/16 x 1/32
E	5/16	none
F	5/16	1/16 x 1/32
G	3/8	none
H	3/8	3/32 x 3/64

**\*Note:** Refer to catalog for maximum bore diameter available for each brake series. Refer to pricing for individual brake series for standard hub bore and keyway sizes.

**TABLE B\***

Character	Bore (in.)	Keyway (in. x in.)
A	5/8	1/8 x 1/16
B	5/8	3/16 x 3/32
C	3/4	3/16 x 3/32
D	7/8	3/16 x 3/32
E	1-1/8	1/4 x 1/8
F	1-1/4	1/4 x 1/8
G	1-3/8	5/16 x 5/32
H	1-5/8	3/8 x 3/16
I	1-3/4	3/8 x 3/16
J	1-7/8	1/2 x 1/4
K	1/2	1/8 x 1/16
L	1	1/4 x 1/8
M	1-1/2	3/8 x 3/16
N	9/16	1/8 x 1/16
O	11/16	3/16 x 3/32
P	1-1/16	1/4 x 1/8
Q	1-7/16	3/8 x 3/16
R	13/16	3/16 x 3/32
S	15/16	1/4 x 1/8
T	1-3/16	1/4 x 1/8
U	1-5/16	5/16 x 5/32
Z	Pilot Bore	None

56,X00 max. bore 1.25 (max. for through-shaft .875)  
 87,X00 max. bore 1.75 (max. for through-shaft 1.625)

**TABLE C\***

Character	Bore (in.)	Keyway (in. x in.)
A	1-1/8	1/4 x 1/8
B	1-1/4	1/4 x 1/8
C	1-3/8	5/16 x 5/32
D	1-1/2	3/8 x 3/16
E	1-9/16	3/8 x 3/16
F	1-5/8	3/8 x 3/16
G	1-11/16	3/8 x 3/16
H	1-3/4	3/8 x 3/16
I	1-13/16	1/2 x 1/4
J	1-7/8	1/2 x 1/4
K	1-15/16	1/2 x 1/4
L	2	1/2 x 1/4
M	2-1/16	1/2 x 1/4
N	2-1/8	1/2 x 1/4
O	2-3/16	1/2 x 1/4
P	2-1/4	1/2 x 1/4
Q	2-5/16	5/8 x 5/16
R	2-3/8	5/8 x 5/16
S	2-7/16	5/8 x 5/16
T	2-1/2	5/8 x 5/16
U	2-5/8	5/8 x 5/16
V	2-3/4	5/8 x 5/16
W	1-1/8	pilot bore
X	2-7/8	3/4 x 3/8
Y	2-15/16	3/4 x 3/8
Z	3	3/4 x 3/8

**TABLE D\***

Character	Bore (in.)	Keyway (in. x in.)
A	1-7/8	1/2 x 1/4
B	2	1/2 x 1/4
C	2-1/16	1/2 x 1/4
D	2-1/8	1/2 x 1/4
E	2-3/16	1/2 x 1/4
F	2-1/4	1/2 x 1/4
G	2-5/16	5/8 x 5/16
H	2-3/8	5/8 x 5/16
I	2-7/16	5/8 x 5/16
J	2-1/2	5/8 x 5/16
K	2-5/8	5/8 x 5/16
L	2-3/4	5/8 x 5/16
M	2-13/16	3/4 x 3/8
N	2-7/8	3/4 x 3/8
O	2-15/16	3/4 x 3/8
P	3	3/4 x 3/8
Q	3-1/8	3/4 x 3/8
R	3-1/4	3/4 x 3/8
S	3-5/16	7/8 x 7/16
T	3-3/8	7/8 x 7/16
U	3-7/16	7/8 x 7/16
V	3-1/2	7/8 x 7/16
W	1-7/8	pilot bore
X	3-3/4	7/8 x 7/16
Y	3-7/8	1 x 1/2
Z	4	1 x 1/2

**TABLE E**  
**Standard Voltage Ratings for Series 001 Brake**

Character	Voltage	Voltage Range, ± 10%
B	115 V/60 Hz	103-126
F	230 V/60 Hz	207-253
U	24 VDC	22-26
X	90 VDC	81-99

**TABLE F**  
**Standard Voltage Ratings for Series 103 Brake**

Character	Voltage	Hz	Voltage operating range
B	115	60	110-220
E	208	60	200-218
F	230	60	220-240
L	460	60	440-480
O	575	60	550-600

**TABLE G**  
**Standard AC Single Voltage Ratings**

Character	Voltage	Hz	Voltage operating range, ± 10%
B	115	60	103-126
D	110	50	99-121
E	200	60	180-220
F	230	60	207-253
	190	50	171-209
H	220	50	198-242
L	460	60	414-506
	380	50	342-418
M	415	50	374-457
N	575	60	518-632

**TABLE H**  
**Standard AC Dual Voltage Ratings**

Character	Voltage	Hz	Voltage operating range, ± 10%
O	110/220	50	99-121/198-242
P	115/230	60	103-126/207-253
Q	230/460	60	207-253/414-506
	190/380	50	171-209/342-418
R	200/400	60	180-220/360-440

**TABLE I**  
**Standard AC Dual and Tri-Voltage Ratings**

Character	Voltage	Hz	Voltage operating range, ± 10%
O	110/220	50	99-121/198-242
P	115/208-230	60	103-127/187-253
Q	208-230/460	60	187-253/414-506
	190/380	50	171-209/342-418
R	200/400	60	180-220/360-440

**TABLE J**  
**Direct Current**

Character	Volts DC	Voltage range
T*	12*	11-13
U	24	22-31
V	36	32-40
W	48	43-53
X	95	81-104
Y	115	103-126
Z	230	207-253

Other DC voltages are available. See pricing on specific series for charges for non-standard DC voltages.

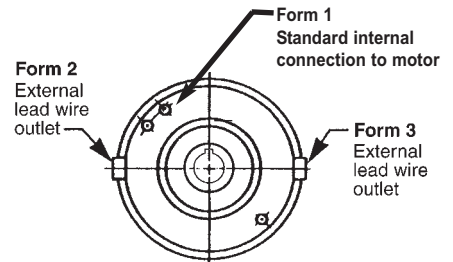
\*12 Volt Not Available on 86,X00 Series.

**TABLE K**

Character	Lead wire position
A	Form 1
B	Form 2
C	Form 3
F*	Form 1, 2 and 3
G**	Form 2 and 3

\*Supplied as standard for the following series: 56,X00; 87,000; 87,100; 87,800; 81,000; 82,000 and 86,000.

\*\*Supplied as standard for the following series: 87,700.



View facing mounting register on brake.

## Series 48,100 Disc Brakes

Model Number	Nominal Static Torque (lb-ft)	Lead Wire Positions	List Price	List Price Less Hub	Weight (lbs)	Discount Symbol
1-048-151-00-XX	1.5	Internal and external	\$420.00	\$400.00	4.6	A3
1-048-161-00-XX	3	Internal and external	435.00	415.00	4.6	A3
1-048-171-00-XX	6	Internal and external	450.00	430.00	5.3	A3
1-048-151-01-XX	1.5	Internal only	380.00	360.00	4.6	A3
1-048-161-01-XX	3	Internal only	395.00	375.00	4.6	A3
1-048-171-01-XX	6	Internal only	410.00	390.00	5.3	A3

- Available with standard (open type) enclosure only
- See Tables G and I, Page 3 for standard AC voltage ratings. DC option \$300.00, with electronic DC switch only (polarized).
- No modification required for vertical mounting.
- For through-shaft,  $\frac{3}{4}$ " diameter knock-out hole in housing is provided.
- Standard hub bore and keyway sizes are B and K, Table B, Page 3.
- Add \$165.00 for other AC voltages and frequencies.

## Series 56,000 Disc Brakes

Model Number	Nominal Static Torque (lb-ft)	Type	Enclosure	List Price	List Price Less Hub	Wt. (lbs)	Discount Symbol
1-056-001-00-XXX	1.5	AC	IP 23	\$430.00	\$400.00	6	B4
1-056-002-00-XXX	1.5	AC	IP 54	565.00	535.00	7	B4
1-056-004-00-XXX	1.5	AC	IP 55	640.00	610.00	7	B4
1-056-005-00-XXX	1.5	DC	IP 23	730.00	700.00	6	B4
1-056-006-00-XXX	1.5	DC	IP 54	865.00	835.00	7	B4
1-056-008-00-XXX	1.5	DC	IP 55	940.00	910.00	7	B4
1-056-011-00-XXX	3	AC	IP 23	450.00	420.00	6	B4
1-056-012-00-XXX	3	AC	IP 54	585.00	555.00	7	B4
1-056-014-00-XXX	3	AC	IP 55	660.00	630.00	7	B4
1-056-015-00-XXX	3	DC	IP 23	750.00	720.00	6	B4
1-056-016-00-XXX	3	DC	IP 54	885.00	855.00	7	B4
1-056-018-00-XXX	3	DC	IP 55	960.00	930.00	7	B4
1-056-021-00-XXX	6	AC	IP 23	515.00	485.00	6	B4
1-056-022-00-XXX	6	AC	IP 54	650.00	620.00	7	B4
1-056-024-00-XXX	6	AC	IP 55	725.00	695.00	7	B4
1-056-025-00-XXX	6	DC	IP 23	815.00	785.00	6	B4
1-056-026-00-XXX	6	DC	IP 54	950.00	920.00	7	B4
1-056-028-00-XXX	6	DC	IP 55	1025.00	995.00	7	B4
1-056-031-00-XXX	10	AC	IP 23	615.00	585.00	7	B4
1-056-032-00-XXX	10	AC	IP 54	755.00	725.00	8	B4
1-056-034-00-XXX	10	AC	IP 55	830.00	800.00	8	B4
1-056-035-00-XXX	10	DC	IP 23	915.00	885.00	7	B4
1-056-036-00-XXX	10	DC	IP 54	1055.00	1025.00	8	B4
1-056-038-00-XXX	10	DC	IP 55	1130.00	1100.00	8	B4
1-056-041-00-XXX	15	AC	IP 23	715.00	685.00	7	B4
1-056-042-00-XXX	15	AC	IP 54	855.00	825.00	8	B4
1-056-044-00-XXX	15	AC	IP 55	930.00	900.00	8	B4
1-056-045-00-XXX	15	DC	IP 23	1015.00	985.00	7	B4
1-056-046-00-XXX	15	DC	IP 54	1155.00	1125.00	8	B4
1-056-048-00-XXX	15	DC	IP 55	1230.00	1200.00	8	B4
1-056-051-00-XXX	20	AC	IP 23	805.00	775.00	8	B4
1-056-052-00-XXX	20	AC	IP 54	940.00	910.00	8	B4
1-056-054-00-XXX	20	AC	IP 55	1015.00	985.00	8	B4
1-056-055-00-XXX	20	DC	IP 23	1105.00	1075.00	8	B4
1-056-056-00-XXX	20	DC	IP 54	1240.00	1210.00	8	B4
1-056-058-00-XXX	20	DC	IP 55	1315.00	1285.00	8	B4
1-056-061-00-XXX	25	AC	IP 23	900.00	870.00	8	B4
1-056-062-00-XXX	25	AC	IP 54	1035.00	1005.00	8	B4
1-056-064-00-XXX	25	AC	IP 55	1110.00	1080.00	8	B4
1-056-065-00-XXX	25	DC	IP 23	1200.00	1170.00	8	B4
1-056-066-00-XXX	25	DC	IP 54	1335.00	1305.00	8	B4
1-056-068-00-XXX	25	DC	IP 55	1410.00	1380.00	8	B4

- See Tables G, I, and J, Page 3 for standard voltage ratings. Add \$165.00 for other voltages and frequencies. Add \$250.00 for other DC voltages.
- Class B coil insulation is standard. Add \$145.00 for Class H insulation.
- No charge for through-shaft on IP 23. 1" diameter knock-out hole in housing is provided. Through shaft not available for ip 54 and IP 55.
- Standard hub bore and keyway sizes are B, C, D, E, K, and Z, Table B, Page 3. For special bore and keyway charges, see Modification List, Page 16.
- See Page 15 for motor-frame adapter and foot mounting prices.
- Add \$450.00 for electrical release indicator switch.
- Add \$210.00 for cartridge space heater.

## Series 56,000 - 80 Disc Brakes

Model Number	Nominal Static Torque (lb-ft)	Type	Enclosure	List Price	List Price Less Hub	Wt. (lbs)	Discount Symbol
1-056-002-80-XXX	1.5	AC	IP 54	\$500.00	\$470.00	7	B4
1-056-012-80-XXX	3	AC	IP 54	520.00	490.00	7	B4
1-056-022-80-XXX	6	AC	IP 54	585.00	555.00	7	B4
1-056-032-80-XXX	10	AC	IP 54	690.00	660.00	8	B4
1-056-042-80-XXX	15	AC	IP 54	790.00	760.00	8	B4
1-056-052-80-XXX	20	AC	IP 54	875.00	845.00	8	B4
1-056-062-80-XXX	25	AC	IP 54	970.00	940.00	8	B4

- Add \$300.00 for DC voltages.
- For modification list price adds, see 56,000 Series.

## Series 56,100 Disc Brakes

Model Number	Nominal Static Torque (lb-ft)	Type	Enclosure	List Price	List Price Less Hub	Wt. (lbs)	Dis-count Symbol
1-056-101-00-XXX	1.5	AC	IP 23	\$505.00	\$475.00	7	B4
1-056-102-00-XXX	1.5	AC	IP 56	640.00	610.00	7	B4
1-056-104-00-XXX	1.5	AC	IP 57	715.00	685.00	7	B4
1-056-105-00-XXX	1.5	DC	IP 23	805.00	775.00	7	B4
1-056-106-00-XXX	1.5	DC	IP 56	940.00	910.00	7	B4
1-056-108-00-XXX	1.5	DC	IP 57	1015.00	985.00	7	B4
1-056-111-00-XXX	3	AC	IP 23	525.00	495.00	7	B4
1-056-112-00-XXX	3	AC	IP 56	660.00	630.00	7	B4
1-056-114-00-XXX	3	AC	IP 57	735.00	705.00	7	B4
1-056-115-00-XXX	3	DC	IP 23	825.00	795.00	7	B4
1-056-116-00-XXX	3	DC	IP 56	960.00	930.00	7	B4
1-056-118-00-XXX	3	DC	IP 57	1035.00	1005.00	7	B4
1-056-121-00-XXX	6	AC	IP 23	590.00	560.00	7	B4
1-056-122-00-XXX	6	AC	IP 56	725.00	695.00	7	B4
1-056-124-00-XXX	6	AC	IP 57	800.00	770.00	7	B4
1-056-125-00-XXX	6	DC	IP 23	890.00	860.00	7	B4
1-056-126-00-XXX	6	DC	IP 56	1025.00	995.00	7	B4
1-056-128-00-XXX	6	DC	IP 57	1100.00	1070.00	7	B4
1-056-131-00-XXX	10	AC	IP 23	690.00	660.00	7	B4
1-056-132-00-XXX	10	AC	IP 56	830.00	800.00	8	B4
1-056-134-00-XXX	10	AC	IP 57	905.00	875.00	8	B4
1-056-135-00-XXX	10	DC	IP 23	990.00	960.00	7	B4
1-056-136-00-XXX	10	DC	IP 56	1130.00	1100.00	8	B4
1-056-138-00-XXX	10	DC	IP 57	1205.00	1175.00	8	B4
1-056-141-00-XXX	15	AC	IP 23	790.00	760.00	7	B4
1-056-142-00-XXX	15	AC	IP 56	930.00	900.00	8	B4
1-056-144-00-XXX	15	AC	IP 57	1005.00	975.00	8	B4
1-056-145-00-XXX	15	DC	IP 23	1090.00	1060.00	7	B4
1-056-146-00-XXX	15	DC	IP 56	1230.00	1200.00	8	B4
1-056-148-00-XXX	15	DC	IP 57	1305.00	1275.00	8	B4
1-056-151-00-XXX	20	AC	IP 23	880.00	850.00	8	B4
1-056-152-00-XXX	20	AC	IP 56	1015.00	985.00	9	B4
1-056-154-00-XXX	20	AC	IP 57	1090.00	1060.00	9	B4
1-056-155-00-XXX	20	DC	IP 23	1180.00	1150.00	8	B4
1-056-156-00-XXX	20	DC	IP 56	1315.00	1285.00	9	B4
1-056-158-00-XXX	20	DC	IP 57	1390.00	1360.00	9	B4
1-056-161-00-XXX	25	AC	IP 23	975.00	945.00	8	B4
1-056-162-00-XXX	25	AC	IP 56	1110.00	1080.00	9	B4
1-056-164-00-XXX	25	AC	IP 57	1185.00	1155.00	9	B4
1-056-165-00-XXX	25	DC	IP 23	1275.00	1245.00	8	B4
1-056-166-00-XXX	25	DC	IP 56	1410.00	1380.00	9	B4
1-056-168-00-XXX	25	DC	IP 57	1485.00	1455.00	9	B4

- See Tables G, I, and J, Page 3 for standard voltage ratings. Add \$165.00 for other voltages and frequencies. Add \$250.00 for other DC voltages.
- Class B coil insulation is standard. Add \$145.00 for Class H insulation.
- For through-shaft add \$110.00 with IP 23 enclosure, add \$220.00 with IP 56 enclosure.
- Standard hub bore and keyway sizes are B, C, D, E, K, and Z, Table B, Page 3. For special bore and keyway charges, see Modification List, Page 16.
- See Page 15 for motor-frame adapter and foot mounting prices.
- Add \$450.00 for electrical release indicator switch.
- Add \$210.00 for cartridge space heater.
- Add \$380.00 for breather drain.

## Series 56,200 Disc Brakes

Model Number	Nominal Static Torque (lb-ft)	Type	Enclosure	List Price	List Price Less Hub	Wt. (lbs)	Dis-count Symbol
1-056-201-00-XXX	1.5	AC	IP 23				
1-056-202-00-XXX	1.5	AC	IP 56	NOTE 1	NOTE 1		
1-056-204-00-XXX	1.5	AC	IP 57				
1-056-205-00-XXX	1.5	DC	IP 23				
1-056-206-00-XXX	1.5	DC	IP 56	NOTE 1	NOTE 1		
1-056-208-00-XXX	1.5	DC	IP 57				
1-056-211-00-XXX	3	AC	IP 23	NOTE 2	NOTE 2		
1-056-212-00-XXX	3	AC	IP 56	1350.00	1320.00	15	B4
1-056-214-00-XXX	3	AC	IP 57	1425.00	1395.00	15	B4
1-056-215-00-XXX	3	DC	IP 23	NOTE 2	NOTE 2		
1-056-216-00-XXX	3	DC	IP 56	1650.00	1620.00	15	B4
1-056-218-00-XXX	3	DC	IP 57	1725.00	1695.00	15	B4
1-056-221-00-XXX	6	AC	IP 23	NOTE 2	NOTE 2		
1-056-222-00-XXX	6	AC	IP 56	1415.00	1385.00	15	B4
1-056-224-00-XXX	6	AC	IP 57	1490.00	1460.00	15	B4
1-056-225-00-XXX	6	DC	IP 23	NOTE 2	NOTE 2		
1-056-226-00-XXX	6	DC	IP 56	1715.00	1685.00	15	B4
1-056-228-00-XXX	6	DC	IP 57	1790.00	1760.00	15	B4
1-056-231-00-XXX	10	AC	IP 23	NOTE 2	NOTE 2		
1-056-232-00-XXX	10	AC	IP 56	1520.00	1490.00	17	B4
1-056-234-00-XXX	10	AC	IP 57	1595.00	1565.00	17	B4
1-056-235-00-XXX	10	DC	IP 23	NOTE 2	NOTE 2		
1-056-236-00-XXX	10	DC	IP 56	1820.00	1790.00	17	B4
1-056-238-00-XXX	10	DC	IP 57	1895.00	1865.00	17	B4
1-056-241-00-XXX	15	AC	IP 23	NOTE 2	NOTE 2		
1-056-242-00-XXX	15	AC	IP 56	1620.00	1590.00	17	B4
1-056-244-00-XXX	15	AC	IP 57	1695.00	1665.00	17	B4
1-056-245-00-XXX	15	DC	IP 23	NOTE 2	NOTE 2		
1-056-246-00-XXX	15	DC	IP 56	1920.00	1890.00	17	B4
1-056-248-00-XXX	15	DC	IP 57	1995.00	1965.00	17	B4
1-056-251-00-XXX	20	AC	IP 23	NOTE 2	NOTE 2		
1-056-252-00-XXX	20	AC	IP 56	1705.00	1675.00	21	B4
1-056-254-00-XXX	20	AC	IP 57	1780.00	1750.00	21	B4
1-056-255-00-XXX	20	DC	IP 23	NOTE 2	NOTE 2		
1-056-256-00-XXX	20	DC	IP 56	2005.00	1975.00	21	B4
1-056-258-00-XXX	20	DC	IP 57	2080.00	2050.00	21	B4
1-056-261-00-XXX	25	AC	IP 23	NOTE 2	NOTE 2		
1-056-262-00-XXX	25	AC	IP 56	1800.00	1770.00	21	B4
1-056-264-00-XXX	25	AC	IP 57	1875.00	1845.00	21	B4
1-056-265-00-XXX	25	DC	IP 23	NOTE 2	NOTE 2		
1-056-266-00-XXX	25	DC	IP 56	2100.00	2070.00	21	B4
1-056-268-00-XXX	25	DC	IP 57	2175.00	2145.00	21	B4

NOTE 1 : Series 56,200 is no longer available in the 1.5 lb-ft rating. Use the 3 lb-ft brake.

NOTE 2: Series 56,200 is not available in an IP 23 enclosure. Use the IP 56 enclosure brake.

## Series 56,300 Disc Brakes

Model Number	Nominal Static Torque (lb-ft)	Type	Enclosure	List Price	List Price Less Hub	Wt. (lbs)	Dis-count Symbol
1-056-301-00-XXX	1.5	AC	IP 21	\$445.00	\$415.00	6	B4
1-056-305-00-XXX	1.5	DC	IP 21	745.00	715.00	6	B4
1-056-311-00-XXX	3	AC	IP 21	465.00	435.00	6	B4
1-056-315-00-XXX	3	DC	IP 21	765.00	735.00	6	B4
1-056-321-00-XXX	6	AC	IP 21	530.00	500.00	6	B4
1-056-325-00-XXX	6	DC	IP 21	830.00	800.00	6	B4
1-056-331-00-XXX	10	AC	IP 21	630.00	600.00	8	B4
1-056-335-00-XXX	10	DC	IP 21	930.00	900.00	8	B4
1-056-341-00-XXX	15	AC	IP 21	730.00	700.00	8	B4
1-056-345-00-XXX	15	DC	IP 21	1030.00	1000.00	8	B4
1-056-351-00-XXX	20	AC	IP 21	820.00	790.00	12	B4
1-056-355-00-XXX	20	DC	IP 21	1120.00	1090.00	12	B4
1-056-361-00-XXX	25	AC	IP 21	915.00	885.00	12	B4
1-056-365-00-XXX	25	DC	IP 21	1215.00	1185.00	12	B4

- See Tables G, I, and J, Page 3 for standard voltage ratings. Add \$165.00 for other voltages and frequencies. Add \$250.00 for other DC voltages.
- Class B coil insulation is standard. Add \$145.00 for Class H insulation.
- Standard hub bore and keyway sizes are B, C, D, E, K and Z, Table B, Page 3. For special bore and keyway charges, see Modification List, Page 16.
- See Page 15 for motor-frame adapter and foot mounting prices.
- Add \$450.00 for electrical release indicator switch.
- Add \$210.00 for cartridge space heater.

## Series 56,400 Disc Brakes

Model Number	Nominal Static Torque (lb-ft)	Type	Enclosure	List Price	Wt. (lbs)	Dis-count Symbol
1-056-401-00-XXX	1.5	AC	IP 23			
1-056-402-00-XXX	1.5	AC	IP 54	NOTE 1		
1-056-404-00-XXX	1.5	AC	IP 55			
1-056-405-00-XXX	1.5	DC	IP 23			
1-056-406-00-XXX	1.5	DC	IP 54	NOTE 1		
1-056-408-00-XXX	1.5	DC	IP 55			
1-056-411-00-XXX	3	AC	IP 23	640.00	6	B4
1-056-412-00-XXX	3	AC	IP 54	775.00	7	B4
1-056-414-00-XXX	3	AC	IP 55	NOTE 2		
1-056-415-00-XXX	3	DC	IP 23	940.00	6	B4
1-056-416-00-XXX	3	DC	IP 54	1075.00	7	B4
1-056-418-00-XXX	3	DC	IP 55	NOTE 2		
1-056-421-00-XXX	6	AC	IP 23	705.00	6	B4
1-056-422-00-XXX	6	AC	IP 54	840.00	7	B4
1-056-424-00-XXX	6	AC	IP 55	NOTE 2		
1-056-425-00-XXX	6	DC	IP 23	1005.00	6	B4
1-056-426-00-XXX	6	DC	IP 54	1140.00	7	B4
1-056-428-00-XXX	6	DC	IP 55	NOTE 2		
1-056-431-00-XXX	10	AC	IP 23	805.00	7	B4
1-056-432-00-XXX	10	AC	IP 54	945.00	8	B4
1-056-434-00-XXX	10	AC	IP 55	NOTE 2		
1-056-435-00-XXX	10	DC	IP 23	1105.00	7	B4
1-056-436-00-XXX	10	DC	IP 54	1245.00	8	B4
1-056-438-00-XXX	10	DC	IP 55	NOTE 2		
1-056-441-00-XXX	15	AC	IP 23	905.00	7	B4
1-056-442-00-XXX	15	AC	IP 54	1045.00	8	B4
1-056-444-00-XXX	15	AC	IP 55	NOTE 2		
1-056-445-00-XXX	15	DC	IP 23	1205.00	7	B4
1-056-446-00-XXX	15	DC	IP 54	1345.00	8	B4
1-056-448-00-XXX	15	DC	IP 55	NOTE 2		
1-056-451-00-XXX	20	AC	IP 23	995.00	8	B4
1-056-452-00-XXX	20	AC	IP 54	1130.00	8	B4
1-056-454-00-XXX	20	AC	IP 55	NOTE 2		
1-056-455-00-XXX	20	DC	IP 23	1295.00	8	B4
1-056-456-00-XXX	20	DC	IP 54	1430.00	8	B4
1-056-458-00-XXX	20	DC	IP 55	NOTE 2		
1-056-461-00-XXX	25	AC	IP 23	1090.00	8	B4
1-056-462-00-XXX	25	AC	IP 54	1225.00	8	B4
1-056-464-00-XXX	25	AC	IP 55	NOTE 2		
1-056-465-00-XXX	25	DC	IP 23	1390.00	8	B4
1-056-466-00-XXX	25	DC	IP 54	1525.00	8	B4
1-056-468-00-XXX	25	DC	IP 55	NOTE 2		

- See Tables G, I, and J, Page 3 for standard voltage ratings. Add \$165.00 for other voltages and frequencies. Add \$250.00 for other DC voltages.
- Class B coil insulation is standard. Add \$145.00 for Class H insulation.
- No charge for through-shaft on IP 23. 1" diameter knock-out hole in housing is provided. Through shaft not available for IP 54 and IP 55.
- Standard hub bore and keyway sizes are B, C, D, E, K and Z, Table B, Page 3. For special bore and keyway charges, see Modification List, Page 16.
- See Page 15 for motor-frame adapter and foot mounting prices.
- Add \$450.00 for electrical release indicator switch.
- Add \$210.00 for cartridge space heater.

NOTE 1 : Series 56,400 is no longer available in the 1.5 lb-ft rating. Use the 3 lb-ft brake.

NOTE 2: Series 56,400 is not available in a IP 55 enclosure. Use the 56,200 (cast iron) IP 55 enclosure brake.



## Series 56,500 Disc Brakes

Model Number	Nominal Static Torque (lb-ft)	Type	Enclosure	List Price	List Price Less Hub	Wt. (lbs)	Dis-count Symbol
1-056-531-00-XXX	10	AC	IP 23	\$840.00	\$810.00	14	B4
1-056-532-00-XXX	10	AC	IP 54	980.00	950.00	14	B4
1-056-534-00-XXX	10	AC	IP 55	1055.00	1025.00	14	B4
1-056-535-00-XXX	10	DC	IP 23	1140.00	1110.00	14	B4
1-056-536-00-XXX	10	DC	IP 54	1280.00	1250.00	14	B4
1-056-538-00-XXX	10	DC	IP 55	1355.00	1325.00	14	B4
1-056-541-00-XXX	15	AC	IP 23	940.00	910.00	14	B4
1-056-542-00-XXX	15	AC	IP 54	1080.00	1050.00	14	B4
1-056-544-00-XXX	15	AC	IP 55	1155.00	1125.00	14	B4
1-056-545-00-XXX	15	DC	IP 23	1240.00	1210.00	14	B4
1-056-546-00-XXX	15	DC	IP 54	1380.00	1350.00	14	B4
1-056-548-00-XXX	15	DC	IP 55	1455.00	1425.00	14	B4
1-056-551-00-XXX	20	AC	IP 23	1030.00	1000.00	14	B4
1-056-552-00-XXX	20	AC	IP 54	1165.00	1135.00	14	B4
1-056-554-00-XXX	20	AC	IP 55	1240.00	1210.00	14	B4
1-056-555-00-XXX	20	DC	IP 23	1330.00	1300.00	14	B4
1-056-556-00-XXX	20	DC	IP 54	1465.00	1435.00	14	B4
1-056-558-00-XXX	20	DC	IP 55	1540.00	1510.00	14	B4
1-056-561-00-XXX	25	AC	IP 23	1125.00	1095.00	15	B4
1-056-562-00-XXX	25	AC	IP 54	1260.00	1230.00	15	B4
1-056-564-00-XXX	25	AC	IP 55	1335.00	1305.00	15	B4
1-056-565-00-XXX	25	DC	IP 23	1425.00	1395.00	15	B4
1-056-566-00-XXX	25	DC	IP 54	1560.00	1530.00	15	B4
1-056-568-00-XXX	25	DC	IP 55	1635.00	1605.00	15	B4

- See Tables G, I, and J, Page 3 for standard voltage ratings. Add \$165.00 for other AC voltages and frequencies. Add \$250.00 for other DC voltages.
- Class B coil insulation is standard. Add \$145.00 for Class H insulation.
- No charge for through-shaft. 1" diameter knock-out hole in housing is provided. N/A on NEMA 4 or 4X enclosure.
- Standard hub bore and keyway sizes are B, C, D, E, K and Z, Table B, Page 3. For special bore and keyway charges, see Modification List, Page 16.

## Series 56,600 Disc Brakes

Model Number	Nominal Static Torque (lb-ft)	Type	Enclosure	List Price	List Price Less Hub	Wt. (lbs)	Dis-count Symbol
1-056-601-00-XXX	1.5	AC	IP 23	NOTE 1	NOTE 1		
1-056-602-00-XXX	1.5	AC	IP 56				
1-056-604-00-XXX	1.5	AC	IP 57				
1-056-605-00-XXX	1.5	DC	IP 23	\$806.00	\$788.00	15	B4
1-056-606-00-XXX	1.5	DC	IP 56	881.00	863.00	15	
1-056-608-00-XXX	1.5	DC	IP 57	921.00	903.00	15	
1-056-611-00-XXX	3	AC	IP 23	1200.00	1170.00	15	B4
1-056-612-00-XXX	3	AC	IP 56	1335.00	1305.00	15	
1-056-614-00-XXX	3	AC	IP 57	1410.00	1380.00	15	
1-056-615-00-XXX	3	DC	IP 23	1500.00	1470.00	15	B4
1-056-616-00-XXX	3	DC	IP 56	1635.00	1605.00	15	
1-056-618-00-XXX	3	DC	IP 57	1710.00	1680.00	15	
1-056-621-00-XXX	6	AC	IP 23	1265.00	1235.00	15	B4
1-056-622-00-XXX	6	AC	IP 56	1400.00	1370.00	15	
1-056-624-00-XXX	6	AC	IP 57	1475.00	1445.00	15	
1-056-625-00-XXX	6	DC	IP 23	1565.00	1535.00	15	B4
1-056-626-00-XXX	6	DC	IP 56	1700.00	1670.00	15	
1-056-628-00-XXX	6	DC	IP 57	1775.00	1745.00	15	
1-056-631-00-XXX	10	AC	IP 23	1365.00	1335.00	17	B4
1-056-632-00-XXX	10	AC	IP 56	1505.00	1475.00	17	
1-056-634-00-XXX	10	AC	IP 57	1580.00	1550.00	17	
1-056-635-00-XXX	10	DC	IP 23	1665.00	1635.00	17	B4
1-056-636-00-XXX	10	DC	IP 56	1805.00	1775.00	17	
1-056-638-00-XXX	10	DC	IP 57	1880.00	1850.00	17	
1-056-641-00-XXX	15	AC	IP 23	1465.00	1435.00	17	B4
1-056-642-00-XXX	15	AC	IP 56	1605.00	1575.00	17	
1-056-644-00-XXX	15	AC	IP 57	1680.00	1650.00	17	
1-056-645-00-XXX	15	DC	IP 23	1765.00	1735.00	17	B4
1-056-646-00-XXX	15	DC	IP 56	1905.00	1875.00	17	
1-056-648-00-XXX	15	DC	IP 57	1980.00	1950.00	17	
1-056-651-00-XXX	20	AC	IP 23	1555.00	1525.00	21	B4
1-056-652-00-XXX	20	AC	IP 56	1690.00	1660.00	21	
1-056-654-00-XXX	20	AC	IP 57	1765.00	1735.00	21	
1-056-655-00-XXX	20	DC	IP 23	1855.00	1825.00	21	B4
1-056-656-00-XXX	20	DC	IP 56	1990.00	1960.00	21	
1-056-658-00-XXX	20	DC	IP 57	2065.00	2035.00	21	
1-056-661-00-XXX	25	AC	IP 23	1650.00	1620.00	21	B4
1-056-662-00-XXX	25	AC	IP 56	1785.00	1755.00	21	
1-056-664-00-XXX	25	AC	IP 57	1860.00	1830.00	21	
1-056-665-00-XXX	25	DC	IP 23	1950.00	1920.00	21	B4
1-056-666-00-XXX	25	DC	IP 56	2085.00	2055.00	21	
1-056-668-00-XXX	25	DC	IP 57	2160.00	2130.00	21	

- See Tables G, I, and J, Page 3 for standard voltage ratings. Add \$165.00 for other voltages and frequencies. Add \$250.00 for other DC voltages.
- Class B coil insulation is standard. Add \$145.00 for Class H insulation.
- For through-shaft add \$110.00 with IP 23 enclosure, add \$220.00 with IP 56 and IP 57 enclosure.
- Standard hub bore and keyway sizes are B, C, D, E, K and Z, Table B, Page 3. For special bore and keyway charges, see Modification List, Page 16.
- See Page 15 for motor-frame adapter and foot mounting prices.
- Add \$450.00 for electrical release indicator switch.
- Add \$210.00 for cartridge space heater.

NOTE 1 : Series 56,600 is no longer available in the 1.5 lb-ft rating. Use the 3 lb-ft brake.

## Series 56,700 Double C-face Couplers

Model Number <sup>Ⓞ</sup>	Nominal Static Torque (lb-ft)	Type	Enclosure	List Price	Wt. (lbs)	Discount Symbol
1-056-701-XX- XX	1.5	AC	IP 23	\$480.00	12	E3
1-056-702-XX- XX	1.5	AC	IP 54	615.00	13	E3
1-056-704-XX- XX	1.5	AC	IP 55	690.00	13	E3
1-056-705-XX- XX	1.5	DC	IP 23	780.00	12	E3
1-056-706-XX- XX	1.5	DC	IP 54	915.00	13	E3
1-056-708-XX- XX	1.5	DC	IP 55	990.00	13	E3
1-056-711-XX- XX	3	AC	IP 23	500.00	12	E3
1-056-712-XX- XX	3	AC	IP 54	635.00	13	E3
1-056-714-XX- XX	3	AC	IP 55	710.00	13	E3
1-056-715-XX- XX	3	DC	IP 23	800.00	12	E3
1-056-716-XX- XX	3	DC	IP 54	935.00	13	E3
1-056-718-XX- XX	3	DC	IP 55	1010.00	13	E3
1-056-721-XX- XX	6	AC	IP 23	565.00	12	E3
1-056-722-XX- XX	6	AC	IP 54	700.00	13	E3
1-056-724-XX- XX	6	AC	IP 55	775.00	13	E3
1-056-725-XX- XX	6	DC	IP 23	865.00	12	E3
1-056-726-XX- XX	6	DC	IP 54	1000.00	13	E3
1-056-728-XX- XX	6	DC	IP 55	1075.00	13	E3
1-056-731-XX- XX	10	AC	IP 23	665.00	12	E3
1-056-732-XX- XX	10	AC	IP 54	805.00	13	E3
1-056-734-XX- XX	10	AC	IP 55	880.00	13	E3
1-056-735-XX- XX	10	DC	IP 23	965.00	12	E3
1-056-736-XX- XX	10	DC	IP 54	1105.00	13	E3
1-056-738-XX- XX	10	DC	IP 55	1180.00	13	E3
1-056-741-XX- XX	15	AC	IP 23	765.00	12	E3
1-056-742-XX- XX	15	AC	IP 54	905.00	13	E3
1-056-744-XX- XX	15	AC	IP 55	980.00	13	E3
1-056-745-XX- XX	15	DC	IP 23	1065.00	12	E3
1-056-746-XX- XX	15	DC	IP 54	1205.00	13	E3
1-056-748-XX- XX	15	DC	IP 55	1280.00	13	E3
1-056-751-07- XX	20	AC	IP 23	855.00	12	E3
1-056-752-07- XX	20	AC	IP 54	990.00	13	E3
1-056-754-07- XX	20	AC	IP 55	1065.00	13	E3
1-056-755-07- XX	20	DC	IP 23	1155.00	12	E3
1-056-756-07- XX	20	DC	IP 54	1290.00	13	E3
1-056-758-07- XX	20	DC	IP 55	1365.00	13	E3
1-056-761-07- XX	25	AC	IP 23	950.00	12	E3
1-056-762-07- XX	25	AC	IP 54	1085.00	13	E3
1-056-764-07- XX	25	AC	IP 55	1160.00	13	E3
1-056-765-07- XX	25	DC	IP 23	1250.00	12	E3
1-056-766-07- XX	25	DC	IP 54	1385.00	13	E3
1-056-768-07- XX	25	DC	IP 55	1460.00	13	E3

Ⓞ XX = "05" for 0.625 in. diameter hub bore and output shaft with 0.19 x 0.09 in. keyway.  
 XX = "07" for 0.875 in. diameter hub bore and output shaft with 0.19 x 0.09 in. keyway  
 XX = "08" for 0.875 in. diameter hub bore and 0.625 output shaft with 0.19 x 0.09 in. keyway.

• 20 and 25 lb-ft. available in "07" only.

• See Tables G, I and J, Page 3 for standard voltage ratings. Add \$165.00 for other AC voltages and frequencies. Add \$250.00 for other DC voltages.

• Class B coil insulation is standard. Add \$145.00 for Class H insulation.

• Add \$450.00 for electrical release indicator switch.

• Add \$210.00 for cartridge space heaters.

## Series 56,700 (1-056-703) Foot Mounted (Discount Symbol E3)

Nominal Static Torque		Basic Model Number			
Lb-Ft	(Nm)	AC	List Price	DC	List Price
1.5	(2)	1-056-703-00-XX	\$2480.00	1-056-707-00-XX	\$2780.00
3	(4)	1-056-713-00-XX	2500.00	1-056-717-00-XX	2800.00
6	(8)	1-056-723-00-XX	2565.00	1-056-727-00-XX	2865.00
10	(14)	1-056-733-00-XX	2665.00	1-056-737-00-XX	2965.00
15	(20)	1-056-743-00-XX	2765.00	1-056-747-00-XX	3065.00
20	(27)	1-056-753-00-XX	2855.00	1-056-757-00-XX	3155.00
25	(34)	1-056-763-00-XX	2950.00	1-056-767-00-XX	3250.00

## Series 56,70S Stainless Steel Double C-Face Coupler Brakes

Model Number	Nominal Static Torque (lb-ft)	Enclosure	List Price AC	List Price DC *	Wt. (lbs)	Discount Symbol
1-056-71S-0X-XX	3	IP 56	\$2,474.00	\$3,535.00	22	B4
1-056-72S-0X-XX	6	IP 56	2,539.00	3,628.00	22	B4
1-056-73S-0X-XX	10	IP 56	2,639.00	3,771.00	22	B4
1-056-74S-0X-XX	15	IP 56	2,739.00	3,914.00	22	B4
1-056-75S-0X-XX	20	IP 56	2,824.00	4,036.00	23	B4
1-056-76S-0X-XX	25	IP 56	2,919.00	4,171.00	23	B4

\* Call factory for model number on 56,70S Series DC units.

## Series 56,800 Disc Brakes

Model Number	Nominal Static Torque (lb-ft)	Enclosure	List Price	Wt. (lbs)	Discount Symbol
1-056-802-00-XXX	1.5	IP 54	NOTE 1		
1-056-812-00-XXX	3	IP 54	\$1550.00	7	B4
1-056-822-00-XXX	6	IP 54	1615.00	7	B4
1-056-832-00-XXX	10	IP 54	1720.00	8	B4
1-056-842-00-XXX	15	IP 54	1820.00	8	B4
1-056-852-00-XXX	20	IP 54	1905.00	8	B4
1-056-862-00-XXX	25	IP 54	2000.00	8	B4

• See Tables G, I and J, Page 3 for standard voltage ratings. Add \$165.00 for other voltages and frequencies. Add \$250.00 for other DC voltages.

• Standard hub bore and keyway sizes are B, C, D, E and K, Table B, Page 3. For special bore and keyway charges, see Modification List, Page 16.

• See Page 15 for motor-frame adapter prices.

NOTE 1 : Series 56,800 is no longer available in the 1.5 lb-ft rating. Use the 3 lb-ft brake.

## Series 56,900 Stainless Steel Close-Coupled Disc Brakes

Model Number	Nominal Static Torque (lb-ft)	Enclosure	List Price	Wt. (lbs)	Discount Symbol
1-056-904-00-XXX	1.5	IP 57	NOTE 1		
1-056-914-00-XXX	3	IP 57	\$3425.00	17	B4
1-056-924-00-XXX	6	IP 57	3490.00	17	B4
1-056-934-00-XXX	10	IP 57	3595.00	17	B4
1-056-944-00-XXX	15	IP 57	3695.00	17	B4
1-056-954-00-XXX	20	IP 57	3780.00	21	B4
1-056-964-00-XXX	25	IP 57	3875.00	21	B4

• See Tables G, I and J, Page 3 for standard voltage ratings. Add \$165.00 for other voltages and frequencies. Add \$250.00 for other DC voltages.

• Class B coil insulation is standard. Add \$145.00 for Class H insulation.

• Standard hub bore and keyway sizes are B, C, D, E, K, and Z, Table B, Page 3. For special bore and keyway charges, see Modification List, Page 16.

• See Page 15 for motor-frame adapter and foot mounting prices.

• Add \$450.00 for electrical release indicator switch.

• Add \$210.00 for cartridge space heater.

• Add \$380.00 for breather drain.

NOTE 1 : Series 56,900 is no longer available in the 1.5 lb-ft rating. Use the 3 lb-ft brake.



## Series 65,300 Hazardous-Location Disc Brakes

Model Number	Nominal Static Torque (lb-ft)	Hazardous Location Classification	Enclosure	List Price	Weight (lbs)	Discount Symbol
1-065-311-05-XXX	1.5	Class I Groups C and D Class II Groups E, F C and G	cast iron	\$2330.00	38	B0
1-065-321-05-XXX	3		cast iron	2450.00	38	B0
1-065-331-05-XXX	6		cast iron	2590.00	40	B0
1-065-351-05-XXX	10		cast iron	2795.00	42	B0
1-065-361-05-XXX	15		cast iron	2915.00	42	B0

- See Tables G and I, Page 3 for standard voltage ratings. Add \$165.00 for other voltages and frequencies.
- Class H coil insulation is standard (UL recognized Class A).
- No modification required for vertical mounting.
- Standard hub bore and keyway sizes are B, C, D and K, Table B, Page 3. For special bore and keyway charges, see Modification List, Page 17.
- See Page 15 for motor-frame adapter prices.

## New Design Series 65,300 Hazardous-Location Disc Brakes

Model Number	Nominal Static Torque (lb-ft)	Hazardous Location Classification	Enclosure	List Price	Weight (lbs)	Discount Symbol
<b>IP 56 Enclosure</b>						
1-065-312-07-XXX	1.5	Class I Groups C and D Class II Groups F and G	cast iron	\$2,915.00	48	B0
1-065-322-07-XXX	3		cast iron	\$3,065.00	48	B0
1-065-332-07-XXX	6		cast iron	\$3,240.00	50	B0
1-065-352-07-XXX	10		cast iron	\$3,495.00	52	B0
1-065-362-07-XXX	15		cast iron	\$3,645.00	52	B0
<b>Fan Guard Mount</b>						
Model Number	Nominal Static Torque (lb-ft)	Hazardous Location Classification	Enclosure	List Price	Weight lbs (kg)	Discount Symbol
1-065-311-09-XXX	1.5	Class I Groups C and D Class II Groups F and G	IP 23	\$2,830.00	52 (23.6)	B0
1-065-321-09-XXX	3		IP 23	2,950.00	52 (23.6)	B0
1-065-331-09-XXX	6		IP 23	3,090.00	54 (24.5)	B0
1-065-351-09-XXX	10		IP 23	3,295.00	56 (25.4)	B0
1-065-361-09-XXX	15		IP 23	3,415.00	56 (25.4)	B0

- See Tables G and I, Page 3 for standard voltage ratings. Add \$165.00 for other voltages and frequencies.
- Class H coil insulation is standard (UL recognized Class A).
- No modification required for vertical mounting.
- Standard hub bore and keyway sizes are B, C, D and K, Table B, Page 3. For special bore and keyway charges, see Modification List, Page 17.
- See Page 15 for motor-frame adapter prices.

**Note: New Design 65,300 Series Brakes are approved for Class I Groups C and D, Class II Groups F and G only.**

## Series 81,000 Self-Adjusting Disc Brakes

## Discount Symbol C1

Model Number Cast Iron Housing	Model Number Aluminum Housing	Nominal Static Torque (lb-ft)	Type	Enclosure	List Price	List Price Less Hub	Vertical Mounting Modification <sup>ⓐ</sup>		Weight (lbs)	
							Above	Below	cast iron	aluminum
1-081-011-02-XXX	1-081-011-03-XXX	125	AC	IP 23	\$4800.00	\$4700.00	\$250.00	\$250.00	128	107
1-081-012-02-XXX	1-081-012-03-XXX	125	AC	IP 54	6250.00	6150.00	575.00	250.00	131	110
1-081-015-02-XXX	1-081-015-03-XXX	125	DC	IP 23	5850.00	5750.00	250.00	250.00	129	108
1-081-016-02-XXX	1-081-016-03-XXX	125	DC	IP 54	7300.00	7200.00	575.00	250.00	132	111
1-081-021-02-XXX	1-081-021-03-XXX	175	AC	IP 23	5150.00	5050.00	250.00	250.00	128	107
1-081-022-02-XXX	1-081-022-03-XXX	175	AC	IP 54	6600.00	6500.00	575.00	250.00	131	110
1-081-025-02-XXX	1-081-025-03-XXX	175	DC	IP 23	6200.00	6100.00	250.00	250.00	129	108
1-081-026-02-XXX	1-081-026-03-XXX	175	DC	IP 54	7650.00	7550.00	575.00	250.00	132	111
1-081-031-02-XXX	1-081-031-03-XXX	230	AC	IP 23	5700.00	5600.00	300.00	300.00	135	114
1-081-032-02-XXX	1-081-032-03-XXX	230	AC	IP 54	7150.00	8100.00	650.00	300.00	138	117
1-081-035-02-XXX	1-081-035-03-XXX	230	DC	IP 23	6750.00	6650.00	300.00	300.00	136	115
1-081-036-02-XXX	1-081-036-03-XXX	230	DC	IP 54	8200.00	9150.00	650.00	300.00	139	118

## Series 81,000 Modifications

- Standard hub bore and keyway sizes are A, C, D, F, H, J, N, R, T and W, Table C, Page 3. For special bore and keyway charges, see Modification List, Page 17.
- For steel carrier ring friction discs\* add:
  - 125 & 175 lb-ft. \$1,400.00
  - 230 lb-ft. \$2,100.00

\*Carrier rings available for Horizontal applications only.

<sup>ⓐ</sup>Specify if brake is mounted above or below motor. Vertical-above mounted brakes with NEMA 4 and NEMA 4X enclosure have a side manual release.

## Series 82,000 Self-Adjusting Disc Brakes

## Discount Symbol C1

Model Number Cast Iron Housing	Model Number Aluminum Housing	Nominal Static Torque (lb-ft)	Type	Enclosure	List Price	List Price Less Hub	Vertical Mounting Modification <sup>ⓐ</sup>		Weight (lbs)	
							Above	Below	cast iron	aluminum
1-082-011-02-XXX	1-082-011-03-XXX	125	AC	IP 23	\$6450.00	\$6070.00	\$250.00	\$250.00	160	139
1-082-012-02-XXX	1-082-012-03-XXX	125	AC	IP 54	7450.00	7070.00	575.00	250.00	164	143
1-082-015-02-XXX	1-082-015-03-XXX	125	DC	IP 23	8015.00	7635.00	250.00	250.00	161	140
1-082-016-02-XXX	1-082-016-03-XXX	125	DC	IP 54	9015.00	8635.00	575.00	250.00	165	144
1-082-021-02-XXX	1-082-021-03-XXX	175	AC	IP 23	6700.00	6320.00	250.00	250.00	160	139
1-082-022-02-XXX	1-082-022-03-XXX	175	AC	IP 54	7700.00	7320.00	575.00	250.00	164	143
1-082-025-02-XXX	1-082-025-03-XXX	175	DC	IP 23	8265.00	7885.00	250.00	250.00	161	140
1-082-026-02-XXX	1-082-026-03-XXX	175	DC	IP 54	9265.00	8885.00	575.00	250.00	165	144
1-082-031-02-XXX	1-082-031-03-XXX	230	AC	IP 23	7200.00	6820.00	300.00	300.00	165	144
1-082-032-02-XXX	1-082-032-03-XXX	230	AC	IP 54	8200.00	7820.00	650.00	300.00	170	149
1-082-035-02-XXX	1-082-035-03-XXX	230	DC	IP 23	8765.00	8385.00	300.00	300.00	166	145
1-082-036-02-XXX	1-082-036-03-XXX	230	DC	IP 54	9765.00	9385.00	650.00	300.00	171	150
1-082-041-02-XXX	1-082-041-03-XXX	330	AC	IP 23	7800.00	7420.00	300.00	300.00	165	144
1-082-042-02-XXX	1-082-042-03-XXX	330	AC	IP 54	8800.00	8420.00	650.00	300.00	170	149
1-082-045-02-XXX	1-082-045-03-XXX	330	DC	IP 23	9365.00	8985.00	300.00	300.00	166	145
1-082-046-02-XXX	1-082-046-03-XXX	330	DC	IP 54	10365.00	9985.00	650.00	300.00	171	150
1-082-051-02-XXX	1-082-051-03-XXX	440	AC	IP 23	8700.00	8320.00	500.00	500.00	182	161
1-082-052-02-XXX	1-082-052-03-XXX	440	AC	IP 54	9700.00	9320.00	850.00	500.00	189	168
1-082-055-02-XXX	1-082-055-03-XXX	440	DC	IP 23	10265.00	9885.00	500.00	500.00	183	161
1-082-056-02-XXX	1-082-056-03-XXX	440	DC	IP 54	11265.00	10885.00	850.00	500.00	190	169
1-082-061-02-XXX	1-082-061-03-XXX	550	AC	IP 23	11150.00	10770.00	N/A	N/A	188	167
1-082-062-02-XXX	1-082-062-03-XXX	550	AC	IP 54	12150.00	11770.00	N/A	N/A	194	173
1-082-065-02-XXX	1-082-065-03-XXX	550	DC	IP 23	12715.00	12335.00	N/A	N/A	189	168
1-082-066-02-XXX	1-082-066-03-XXX	550	DC	IP 54	13715.00	13335.00	N/A	N/A	195	174

## Series 82,000 Modifications

- Standard hub bore and keyway sizes are A, C, D, F, H, J, N, R, T, W and X, Table C, Page 3. For special bore and keyway charges, see Modification List, Page 17.
- For steel carrier ring friction discs\* add:
  - 125 & 175 lb-ft. \$1,400.00
  - 230 & 330 lb-ft. \$2,100.00
  - 440 lb-ft. \$2,800.00
  - 550 lb-ft. \$3,342.00
- For bronze carrier ring friction discs\* add:
  - 125 & 175 lb-ft. \$2,100.00
  - 230 & 330 lb-ft. \$3,150.00
  - 440 lb-ft. \$4,200.00
  - 550 lb-ft. \$4,950.00
- Can be furnished for marine duty. Contact Stearns Division for prices.

\*Carrier rings available for Horizontal applications only.

<sup>ⓐ</sup>Specify if brake is mounted above or below motor.

## Modification pricing for Series 81,000 and Series 82,000

- See Tables G, H, and J, Page 3 for standard voltage ratings. Add \$200.00 for other voltages and frequencies.
- Class B coil insulation is standard. Add \$285.00 for Class H insulation.
- For through-shaft, add \$225.00 with IP 23 enclosure or \$500.00 with IP 54 enclosure.
- See Page 15 for motor-frame adapter and foot mounting prices.
- Add \$275.00 for cartridge space heater, 115 or 230 Vac only.
- Add \$450.00 for electrical release indicator switch.
- Add \$350.00 for side manual release.
- Add \$380.00 for breather drain.
- Add \$125.00 for non-maintained release.

## Series 82,300 Hazardous-Location Disc Brakes

Model Number	Nominal Static Torque lb-ft (Nm)	List Price
1-082-311-00-XXX 1-082-312-00- XX	125 (169)	See 1-082-315-00 cast iron See 1-082-316-00 cast iron
1-082-321-00-XXX 1-082-322-00- XX	175 (237)	See 1-082-325-00 cast iron See 1-082-326-00 cast iron
1-082-331-00-XXX 1-082-332-00- XX	230 (312)	See 1-082-335-00 cast iron See 1-082-336-00 cast iron
1-082-341-00-XXX 1-082-342-00- XX	330 (447)	See 1-082-345-00 cast iron See 1-082-346-00 cast iron

Model Number	Enclosure	Nominal Static Torque lb-ft (Nm)	List Price
1-082-315-00	IP 23	125	\$17,000.00
1-082-314-00	IP 56	(169)	18,200.00
1-082-325-00	IP 23	175	17,900.00
1-082-324-00	IP 56	(237)	19,100.00
1-082-335-00	IP 23	230	18,900.00
1-082-334-00	IP 56	(312)	20,100.00
1-082-345-00	IP 23	330	19,800.00
1-082-344-00	IP 56	(447)	21,000.00

## Series 82,300 Fan Guard Mount

Model Number	Enclosure	Nominal Static Torque lb-ft (Nm)	List Price
1-082-314-02	IP 56	125 (169)	\$22,200.00
1-082-324-02	IP 56	175 (237)	23,100.00
1-082-334-02	IP 56	230 (312)	24,100.00
1-082-344-02	IP 56	330 (447)	25,000.00

## Series 82,300 Foot Mount

Model Number	Enclosure	Nominal Static Torque lb-ft (Nm)	List Price
1-082-316-00	IP 23	125 (169)	\$24,300.00
1-082-326-00	IP 23	175 (237)	25,000.00
1-082-336-00	IP 23	230 (312)	26,000.00
1-082-346-00	IP 23	330 (447)	27,000.00

## Series 82,300 Modification Pricing

- See Tables G and H, Page 3 for standard voltage ratings. Add \$200.00 for other voltages and frequencies.
- Approved for Class H coil insulation only (UL recognized Class A).
- Standard hub bore and keyway sizes are A, C, D, F and H, Table C, Page 3. For special bore and keyway charges, contact Stearns Division.
- Approved for Class I, Groups C and D; Class II, Groups E and F.
- See Page 15 for motor-frame adapter prices.
- Add \$750.00 for cartridge space heater, 115 or 230 Vac only.

## Series 86,000 Self-Adjusting Disc Brakes

Model Number <sup>ⓧ</sup>	Nominal Static Torque (lb-ft)	Type	Enclosure	List Price	List Price Less Hub	Wt. (lbs)	Dis-count Symbol
1-086-X21-02-XXX 1-086-X22-02-XXX 1-086-X25-02-XXX 1-086-X26-02-XXX	500	AC AC DC DC	IP 23 IP 54 IP 23 IP 54	\$14,000.00 15,500.00 16,625.00 18,125.00	\$13,470.00 14,970.00 16,095.00 17,595.00	288 296 290 298	C1
1-086-X31-02-XXX 1-086-X32-02-XXX 1-086-X35-02-XXX 1-086-X36-02-XXX	750	AC AC DC DC	IP 23 IP 54 IP 23 IP 54	15,500.00 17,000.00 18,125.00 19,625.00	14,970.00 16,470.00 17,595.00 19,095.00	310 318 312 320	C1
1-086-X41-02-XXX 1-086-X42-02-XXX 1-086-X45-02-XXX 1-086-X46-02-XXX	1000	AC AC DC DC	IP 23 IP 54 IP 23 IP 54	17,000.00 18,500.00 19,625.00 21,125.00	16,470.00 17,970.00 19,095.00 20,595.00	332 340 334 342	C1

ⓧX = 0 or 1

- See Tables G and J, Page 3 for standard voltage ratings. Single voltage only. Add \$200.00 for other voltages and frequencies.
- Class B coil insulation is standard. Add \$570.00 for Class H insulation.
- For vertical mounting, add \$650.00. Specify if brake is mounted above or below motor.
- For through-shaft, add \$300.00 with IP 23 enclosure or \$700.00 with IP 54 and IP 56 enclosure.
- Standard hub bore and keyway sizes are D, H, K, L, N, P, T, V and Z, Table D, Page 3. For special bore and keyway charges, see Modification List, Page 17.
- See Page 15 for motor-frame adapter and foot mounting prices.
- Add \$275.00 for cartridge space heater, 115 or 230 Vac only.
- For bronze carrier ring friction discs\* add: 500 lb-ft. \$2,500.00  
750 lb-ft. \$3,750.00  
1000 lb-ft. \$5,000.00
- Add \$900.00 for electrical release indicator switch.
- Add \$380.00 for breather drain.
- Add \$250.00 for non-maintained release.
- Can be furnished for marine duty. Contact Stearns Division for prices.

\*Horizontal Applications Only.

# Series 87,000 Self-Adjusting Disc Brakes

Model Number	Nominal Static Torque (lb-ft)	Number of Friction Discs	Type	Enclosure	Construction		List Price	List Price Less Hub	Vertical Mounting Modification <sup>①</sup>		Wt. (lbs)	Dis-count Symbol
					Endplate	Housing			Vertical Above	Vertical Below		
1-087-001-00-XXX	6	1	AC	IP 23	Aluminum	Steel	\$ 925.00	\$ 880.00	\$ 95.00	No mod req'd	18	B2
1-087-002-00-XXX				IP 54	Cast Iron	Cast Iron	1525.00	1480.00	370.00		42	
1-087-002-BO-XXX				IP 55	Cast Iron	Cast Iron	1780.00	1735.00	370.00		42	
1-087-004-00-XXX				IP 54	Aluminum	Steel	1125.00	1080.00	95.00		19	
1-087-004-BO-XXX				IP 55	Aluminum	Steel	1425.00	1380.00	95.00		19	
1-087-005-00-XXX	6	1	DC	IP 23	Aluminum	Steel	1495.00	1450.00	95.00	No mod req'd	19	B2
1-087-006-00-XXX				IP 54	Cast Iron	Cast Iron	2095.00	2050.00	370.00		43	
1-087-006-BO-XXX				IP 55	Cast Iron	Cast Iron	2350.00	2305.00	370.00		43	
1-087-011-00-XXX	10	1	AC	IP 23	Aluminum	Steel	925.00	880.00	95.00	No mod req'd	18	B2
1-087-012-00-XXX				IP 54	Cast Iron	Cast Iron	1525.00	1480.00	370.00		42	
1-087-012-BO-XXX				IP 55	Cast Iron	Cast Iron	1780.00	1735.00	370.00		42	
1-087-014-00-XXX				IP 54	Aluminum	Steel	1125.00	1080.00	95.00		19	
1-087-014-BO-XXX				IP 55	Aluminum	Steel	1425.00	1380.00	95.00		19	
1-087-015-00-XXX	10	1	DC	IP 23	Aluminum	Steel	1495.00	1450.00	95.00	No mod req'd	19	B2
1-087-016-00-XXX				IP 54	Cast Iron	Cast Iron	2095.00	2050.00	370.00		43	
1-087-016-BO-XXX				IP 55	Cast Iron	Cast Iron	2350.00	2305.00	370.00		43	
1-087-021-00-XXX	15	1	AC	IP 23	Aluminum	Steel	975.00	930.00	95.00	No mod req'd	19	B2
1-087-022-00-XXX				IP 54	Cast Iron	Cast Iron	1575.00	1530.00	370.00		43	
1-087-022-BO-XXX				IP 55	Cast Iron	Cast Iron	1830.00	1785.00	370.00		43	
1-087-024-00-XXX				IP 54	Aluminum	Steel	1175.00	1130.00	95.00		20	
1-087-024-BO-XXX				IP 55	Aluminum	Steel	1475.00	1430.00	95.00		20	
1-087-025-00-XXX	15	1	DC	IP 23	Aluminum	Steel	1545.00	1500.00	95.00	No mod req'd	20	B2
1-087-026-00-XXX				IP 54	Cast Iron	Cast Iron	2145.00	2100.00	370.00		44	
1-087-026-BO-XXX				IP 55	Cast Iron	Cast Iron	2400.00	2355.00	370.00		44	
1-087-031-00-XXX	25	1	AC	IP 23	Aluminum	Steel	1050.00	1005.00	95.00	No mod req'd	19	B3
1-087-032-00-XXX				IP 54	Cast Iron	Cast Iron	1650.00	1605.00	370.00		43	
1-087-032-BO-XXX				IP 55	Cast Iron	Cast Iron	1905.00	1860.00	370.00		43	
1-087-034-00-XXX				IP 54	Aluminum	Steel	1250.00	1205.00	95.00		20	
1-087-034-BO-XXX				IP 55	Aluminum	Steel	1550.00	1505.00	95.00		20	
1-087-035-00-XXX	25	1	DC	IP 23	Aluminum	Steel	1620.00	1575.00	95.00	No mod req'd	20	B3
1-087-036-00-XXX				IP 54	Cast Iron	Cast Iron	2220.00	2175.00	370.00		44	
1-087-036-BO-XXX				IP 55	Cast Iron	Cast Iron	2475.00	2430.00	370.00		44	
1-087-041-00-XXX	35	1	AC	IP 23	Aluminum	Steel	1200.00	1155.00	95.00	No mod req'd	22	B3
1-087-042-00-XXX				IP 54	Cast Iron	Cast Iron	1800.00	1755.00	370.00		46	
1-087-042-BO-XXX				IP 55	Cast Iron	Cast Iron	2055.00	2010.00	370.00		46	
1-087-044-00-XXX				IP 54	Aluminum	Steel	1400.00	1355.00	95.00		19	
1-087-044-BO-XXX				IP 55	Aluminum	Steel	1700.00	1655.00	95.00		19	
1-087-045-00-XXX	35	1	DC	IP 23	Aluminum	Steel	1770.00	1725.00	95.00	No mod req'd	23	B3
1-087-046-00-XXX				IP 54	Cast Iron	Cast Iron	2370.00	2325.00	370.00		47	
1-087-046-BO-XXX				IP 55	Cast Iron	Cast Iron	2625.00	2580.00	370.00		47	
1-087-051-00-XXX	50	2	AC	IP 23	Aluminum	Steel	1500.00	1455.00	105.00	No mod req'd	18	B3
1-087-052-00-XXX				IP 54	Cast Iron	Cast Iron	2100.00	2055.00	380.00		42	
1-087-052-BO-XXX				IP 55	Cast Iron	Cast Iron	2355.00	2310.00	380.00		42	
1-087-054-00-XXX				IP 54	Aluminum	Steel	1700.00	1655.00	105.00		23	
1-087-054-BO-XXX				IP 55	Aluminum	Steel	2000.00	1955.00	105.00		23	
1-087-055-00-XXX	50	2	DC	IP 23	Aluminum	Steel	2070.00	2025.00	105.00	No mod req'd	23	B3
1-087-056-00-XXX				IP 54	Cast Iron	Cast Iron	2670.00	2625.00	380.00		48	
1-087-056-BO-XXX				IP 55	Cast Iron	Cast Iron	2925.00	2880.00	380.00		48	
1-087-061-00-XXX	75	2	AC	IP 23	Aluminum	Steel	2000.00	1955.00	105.00	No mod req'd	25	B3
1-087-062-00-XXX				IP 54	Cast Iron	Cast Iron	2600.00	2555.00	380.00		50	
1-087-062-BO-XXX				IP 55	Cast Iron	Cast Iron	2855.00	2810.00	380.00		50	
1-087-064-00-XXX				IP 54	Aluminum	Steel	2200.00	2155.00	105.00		23	
1-087-064-BO-XXX				IP 55	Aluminum	Steel	2500.00	2455.00	105.00		23	
1-087-065-00-XXX	75	2	DC	IP 23	Aluminum	Steel	2570.00	2525.00	105.00	No mod req'd	26	B3
1-087-066-00-XXX				IP 54	Cast Iron	Cast Iron	3170.00	3125.00	380.00		51	
1-087-066-BO-XXX				IP 55	Cast Iron	Cast Iron	3425.00	3380.00	380.00		51	
1-087-081-00-XXX	105	3	AC	IP 23	Aluminum	Steel	2700.00	2655.00	135.00	No mod req'd	28	B3
1-087-082-00-XXX				IP 54	Cast Iron	Cast Iron	3300.00	3255.00	410.00		54	
1-087-082-BO-XXX				IP 55	Cast Iron	Cast Iron	3555.00	3510.00	410.00		54	
1-087-084-00-XXX				IP 54	Aluminum	Steel	2900.00	2855.00	135.00		23	
1-087-084-BO-XXX				IP 55	Aluminum	Steel	3200.00	3155.00	135.00		23	
1-087-085-00-XXX	105	3	DC	IP 23	Aluminum	Steel	3270.00	3225.00	135.00	No mod req'd	29	B3
1-087-086-00-XXX				IP 54	Cast Iron	Cast Iron	3870.00	3825.00	410.00		55	
1-087-086-BO-XXX				IP 55	Cast Iron	Cast Iron	4125.00	4080.00	410.00		55	
1-087-092-00-XXX	125	3	AC	IP 55	Cast Iron	Cast Iron	3800.00	3755.00	410.00	135.00	55	B3
1-087-092-BO-XXX	125	3	AC	IP 55	Cast Iron	Cast Iron	4055.00	4010.00	410.00	135.00	55	B3
1-087-096-00-XXX	125	3	DC	IP 55	Cast Iron	Cast Iron	4370.00	4325.00	410.00	135.00	55	B3
1-087-096-BO-XXX	125	3	DC	IP 55	Cast Iron	Cast Iron	4625.00	4580.00	410.00	135.00	55	B3

- See Tables G, H, and J, Page 3 for standard voltage ratings. Add \$175.00 for other AC voltages and frequencies. Add \$250.00 for other DC voltages.
  - Standard bore and keyway sizes are D through H plus Z. For special bore and keyway charges, see Modification List, Page 17.
  - Class B coil insulation is standard. Add \$175.00 for Class H insulation.
  - For through-shaft add the following: No charge with IP 23 (open) brakes (sheet metal housing). 1-5/16 in. diameter knock-out hole in housing is provided. Any larger than 1-5/16 in. hole add \$80.00. Add \$300.00 with IP54 and IP 55 brakes (cast iron housing) including seal and sleeve. \$225.00 with IP 23 (open) brakes ordered with special cast iron housing.
  - Add \$110.00 for cast iron housing on IP 23 (open) brake in place of sheet metal housing.
  - See Page 15 for motor-frame adapter and foot mounting prices.
  - Side manual release add \$275.00 on cast iron housing. Add \$50.00 on sheet metal housing. N/A on sheet metal IP54 and IP 55.
  - Can be furnished for marine duty. Contact Stearns Division for prices.
  - Add the following for NEMA 56C - 145 TC mounting face (-5 register): Brakes with aluminum endplate: \$725.00 (includes adder for cast iron endplate) Brakes with cast iron endplate: \$340
  - Add for -7 mounting face: Brakes with aluminum endplate: \$725.00 (includes adder for cast iron endplate) Brakes with cast iron endplate: \$340
  - Add for -3 mounting face: Brakes with aluminum endplate: \$725.00 (includes adder for cast iron endplate) Brakes with cast iron endplate: \$340
  - Add \$50.00 per disc for any non-standard friction disc (i.e., special duty or high inertia discs). For square hub and friction disc, use the less hub list & add the following: \$190.00 6-35 lb-ft, \$290.00 50-75 lb-ft and \$390.00 105 lb-ft.
  - For pre-revision spline hub and friction discs, add: \$190.00 6-35 lb-ft, \$290.00 50-75 lb-ft and \$390.00 105 lb-ft.
  - Zinc aluminum alloy carrier ring friction discs\*, includes heavy duty steel hub add: \$550.00 6-35 lb-ft, \$1,100.00 50-75 lb-ft and \$1,650.00 105 lb-ft.
  - For bronze carrier ring friction discs\*, add: 6-35 lb-ft. \$925.00 50-75 lb-ft. \$1,850.00 105 lb-ft. \$2,775.00
- Available with pre-revision spline only.

① Specify if brake is mounted above or below motor. No modification is required for vertical below mounting on 6 through 35 lb-ft brakes.

\*Horizontal applications only.

## Series 87,100 Self-Adjusting Disc Brakes (Discount symbol B3)

Model Number	Nominal Static Torque (lb-ft)	Number of Friction Discs	Type	Enclosure	List Price	List Price Less Hub	Vertical Mounting Modification <sup>①</sup>		Wt. (lbs)
							Above	Below	
1-087-151-00-XXX	50	2	AC	IP 23	\$1600.00	\$1555.00	\$105.00	\$105.00	33
1-087-152-00-XXX	50		AC	IP 54	2200.00	2155.00	380.00	105.00	49
1-087-155-00-XXX	50		DC	IP 23	2170.00	2125.00	105.00	105.00	34
1-087-156-00-XXX	50		DC	IP 54	2770.00	2725.00	380.00	105.00	50
1-087-161-00-XXX	75	2	AC	IP 23	2100.00	2055.00	105.00	105.00	36
1-087-162-00-XXX	75		AC	IP 54	2700.00	2655.00	380.00	105.00	52
1-087-165-00-XXX	75		DC	IP 23	2670.00	2625.00	105.00	105.00	37
1-087-166-00-XXX	75		DC	IP 54	3270.00	3225.00	380.00	105.00	53
1-087-181-00-XXX	105	3	AC	IP 23	2800.00	2755.00	135.00	135.00	42
1-087-182-00-XXX	105		AC	IP 54	3400.00	3325.00	410.00	135.00	56
1-087-185-00-XXX	105		DC	IP 23	3370.00	3325.00	135.00	135.00	43
1-087-186-00-XXX	105		DC	IP 54	3970.00	3925.00	410.00	135.00	57
1-087-191-00-XXX	125	3	AC	IP 23	3300.00	3255.00	135.00	135.00	42
1-087-192-00-XXX	125		AC	IP 54	3900.00	3855.00	410.00	135.00	56
1-087-195-00-XXX	125		DC	IP 23	3870.00	3825.00	135.00	135.00	43
1-087-196-00-XXX	125		DC	IP 54	4470.00	4425.00	410.00	135.00	57

① Specify if brake is mounted above or below motor.

## Series 87,100 ONLY Modification Adders

- Standard bore and keyway sizes are D through H plus Z. For special bore and keyway charges, see Modification List, Page 17.
- For through-shaft add the following: No charge with IP 23 (open) brakes (sheet metal housing). 1-5/16 in. diameter knock-out hole in housing is provided. Any hole larger than 1-5/16 dia. add \$80.00. \$300.00 with IP 54 and IP 56 brakes (cast iron housing) including seal and sleeve. \$225.00 with IP 23 (open) brakes ordered with special cast iron housing.
- Cast iron housing is standard on IP 54 and IP 56 brake. Add \$210.00 for cast iron housing on IP 23 (open) brake in place of sheet metal housing.
- Add \$275.00 for side manual release. Cast iron housing required on brakes with IP 23 enclosure, add \$210.00 for housing.
- For pre-revision spline hub and friction discs, add: \$290.00 50-75 lb-ft and \$390.00 105 lb-ft.

## Series 87,100/87,200 Modification Adders

- See Tables G, H, and J, Page 3 for standard voltage ratings. Add \$175.00 for other AC voltages and frequencies. Add \$250.00 for other DC voltages.
- Class B coil insulation is standard. Add \$175.00 for Class H insulation.
- Add \$225.00 for cartridge space heater, 115 or 230 Vac only.
- Zinc aluminum alloy carrier ring friction discs (horizontal applications only), includes heavy duty steel hub, add: \$550.00 6-35 lb-ft, \$1,100.00 50-75 lb-ft \$1,650.00 105 lb-ft.
- Bronze carrier ring friction discs\* (horizontal applications only), add: \$925.00 10-35 lb-ft. \$1,850.00 50-75 lb-ft \$2,775.00 105 lb-ft  
\* Available with pre-revision spline only.
- Add \$450.00 for electrical release indicator switch.
- Add \$125.00 for non-maintained release.
- Can be furnished for marine duty. Contact Stearns Division for prices.
- Add \$50.00 per disc for any non-standard friction disc (i.e., special duty or high inertia discs). For square hub and friction disc, use the less hub list price & add the following:  
\$190.00 6-35 lb-ft,  
\$290.00 50-75 lb-ft and  
\$390.00 105 lb-ft.

## Series 87,200 Self-Adjusting Disc Brakes

Model Number	Nominal Static Torque (lb-ft)	No. of Friction Discs	Enclosure	List Price	Wt. (lbs)	Discount Symbol
1-087-212-00-X	10	1	IP 54	2675.00	72	A2
1-087-221-00-X	15	1	IP 23	2525.00	73	A2
1-087-222-00-X	15	1	IP 54	2725.00	73	A2
1-087-231-00-X	25	1	IP 23	2600.00	73	A2
1-087-232-00-X	25	1	IP 54	2800.00	73	A2
1-087-241-00-X	35	1	IP 23	2750.00	75	A2
1-087-242-00-X	35	1	IP 54	2950.00	75	A2
1-087-251-00-X	50	2	IP 23	3050.00	77	A2
1-087-252-00-X	50	2	IP 54	3250.00	77	A2
1-087-261-00-X	75	2	IP 23	3550.00	80	A2
1-087-262-00-X	75	2	IP 54	3750.00	80	A2
1-087-281-00-X	105	3	IP 23	4250.00	83	A2
1-087-282-00-X	105	3	IP 54	4450.00	83	A2

## Series 87,300-00 and -02 Hazardous-Location Disc Brakes

Model Number	Nominal Static Torque (lb-ft)	List Price		Weight (lbs)	Discount Symbol
		87,300-00	87,300-02		
1-087-311-( )-XXX	10	\$3350.00	\$4200.00	62	D1
1-087-312-( )-XX	10 foot mount	4450.00	—	82	D1
1-087-321-( )-XXX	15	3500.00	4350.00	63	D1
1-087-322-( )-XX	15 foot mount	4600.00	—	83	D1
1-087-331-( )-XXX	25	3725.00	4575.00	63	D1
1-087-332-( )-XX	25 foot mount	4825.00	—	83	D1
1-087-341-( )-XXX	35	4000.00	4850.00	63	D1
1-087-342-( )-XX	35 foot mount	5100.00	—	83	D1
1-087-351-( )-XXX	50	4700.00	5550.00	64	D1
1-087-352-( )-XX	50 foot mount	5800.00	—	84	D1
1-087-361-( )-XXX	75	5700.00	6550.00	65	D1
1-087-362-( )-XX	75 foot mount	6800.00	—	85	D1
1-087-381-( )-XXX	105	7350.00	8200.00	72	D1
1-087-382-( )-XX	105 foot mount	8450.00	—	92	D1

## Series 87,300 Modification Adders

- See Tables G and H, Page 3 for standard voltage ratings. Add \$175.00 for other voltages and frequencies.
- Class H coil insulation is standard (UL recognized Class A).
- For vertical-below mounting, brakes rated 35 lb-ft or less do not require modification. For vertical-below mounted brakes above 35 lb-ft, add \$135.00.  
All vertical-above brakes require modification. See page 17 for adders.
- Standard hub bore and keyway sizes are D, E, F, G and H, Table B, Page 3. For special bore and keyway charges, see Modification List, Page 17.
- Add \$450.00 for electrical release indicator switch.
- Add \$400.00 for additional thermal warning switch.
- Add \$750.00 for cartridge space heater, 115 or 230 Vac only.
- Splined hub and friction disc is a NO CHARGE modification.
- For bronze carrier ring friction discs\*, add:  
6-35 lb-ft. \$925.00  
50-75 lb-ft. \$1,850.00  
105 lb-ft. \$2,775.00  
\* Available with pre-revision spline only.

## Series 87,300-00 IP 55 Hazardous-Location Disc Brakes

Model Number	Nominal Static Torque (lb-ft)	List Price	Wt. (lbs)	Discount Symbol
1-087-314-00	10	\$4150.00	62	D1
1-087-324-00	15	4300.00	63	D1
1-087-334-00	25	4525.00	63	D1
1-087-344-00	35	4800.00	63	D1
1-087-354-00	50	5500.00	64	D1
1-087-364-00	75	6500.00	65	D1
1-087-384-00	105	8150.00	72	D1



## Series 87,700 Double C-Face Disc Brake Couplers

Model Number <sup>①</sup>	Nominal Static Torque (lb-ft)	Type	Enclosure	List Price	Wt. (lbs)	Discount Symbol
1-087-711-XX- XX 1-087-712-XX- XX 1-087-712-BX- XX	10 10 10	AC AC AC	IP 23 IP 54 IP 55	\$2375.00 2925.00 3180.00	57 57 57	E2 E2 E2
1-087-715-XX- XX 1-087-716-XX- XX 1-087-716-BX- XX	10 10 10	DC DC DC	IP 23 IP 54 IP 55	2945.00 3495.00 3750.00	58 58 58	E2 E2 E2
1-087-721-XX- XX 1-087-722-XX- XX 1-087-722-BX- XX	15 15 15	AC AC AC	IP 23 IP 54 IP 55	2375.00 2975.00 3230.00	58 58 58	E2 E2 E2
1-087-725-XX- XX 1-087-726-XX- XX 1-087-726-BX- XX	15 15 15	DC DC DC	IP 23 IP 54 IP 55	2945.00 3545.00 3800.00	59 59 59	E2 E2 E2
1-087-731-XX- XX 1-087-732-XX- XX 1-087-732-BX- XX	25 25 25	AC AC AC	IP 23 IP 54 IP 55	2450.00 3050.00 3305.00	58 58 58	E2 E2 E2
1-087-735-XX- XX 1-087-736-XX- XX 1-087-736-BX- XX	25 25 25	DC DC DC	IP 23 IP 54 IP 55	3020.00 3620.00 3875.00	59 59 59	E2 E2 E2
1-087-741-XX- XX 1-087-742-XX- XX 1-087-742-BX- XX	35 35 35	AC AC AC	IP 23 IP 54 IP 55	2600.00 3200.00 3455.00	60 60 60	E2 E2 E2
1-087-745-XX- XX 1-087-746-XX- XX 1-087-746-BX- XX	35 35 35	DC DC DC	IP 23 IP 54 IP 55	3170.00 3970.00 4025.00	61 61 61	E2 E2 E2
1-087-751-XX- XX 1-087-752-XX- XX 1-087-752-BX- XX	50 50 50	AC AC AC	IP 23 IP 54 IP 55	2750.00 3350.00 3605.00	62 62 62	E2 E2 E2
1-087-755-XX- XX 1-087-756-XX- XX 1-087-756-BX- XX	50 50 50	DC DC DC	IP 23 IP 54 IP 55	3320.00 3920.00 6875.00	63 63 63	E2 E2 E2
1-087-761-XX- XX 1-087-762-XX- XX 1-087-762-BX- XX	75 75 75	AC AC AC	IP 23 IP 54 IP 55	2795.00 3395.00 3650.00	65 65 65	E2 E2 E2
1-087-765-XX- XX 1-087-766-XX- XX 1-087-766-BX- XX	75 75 75	DC DC DC	IP 23 IP 54 IP 55	3365.00 3965.00 4220.00	66 66 66	E2 E2 E2
1-087-781-XX- XX 1-087-782-XX- XX 1-087-782-BX- XX	105 105 105	AC AC AC	IP 23 IP 54 IP 55	3100.00 3500.00 3755.00	70 70 70	E2 E2 E2
1-087-785-XX- XX 1-087-786-XX- XX 1-087-786-BX- XX	105 105 105	DC DC DC	IP 23 IP 54 IP 55	3670.00 4070.00 4325.00	71 71 71	E2 E2 E2

① XX = "01" for 1.125 in. diameter hub bore and output shaft with 0.25 x 0.12 in. keyway.  
XX = "03" for 1.375 in. diameter hub bore and output shaft with 0.31 x 0.16 in. keyway.  
XX = "05" for 1.625 in. diameter hub bore and output shaft with 0.38 x 0.19 in. keyway.

- See Tables G, H and J, Page 3 for standard voltage ratings. Add \$175.00 for other AC voltages and frequencies. Add \$250.00 for other DC voltages.
- Class B coil insulation is standard. Add \$175.00 for Class H insulation.
- Add \$95.00 for vertical-mounting modification on brakes rated 35 lb-ft or less when mounted above the motor. For brakes rated 35 lb-ft or less, no modification required when mounted below the motor.
- Add \$105.00 for vertical-mounting modification on brakes rated 50 and 75 lb ft. Add \$135.00 for brakes rated 105 lb ft. Specify if brake is mounted above or below the motor.
- Add \$225.00 for cartridge space heater, 115 or 230 Vac only.
- Add \$450.00 for electrical release indicator switch.
- Zinc aluminum alloy carrier ring friction discs (horizontal applications only), includes heavy duty steel hub, add:  
\$550.00 6-35 lb-ft, \$1,100.00 50-75 lb-ft \$1,650.00 105 lb-ft.
- For bronze carrier ring friction discs, add: 6-35 lb-ft. \$925.00  
50-75 lb-ft \$1,850.00  
105 lb-ft. \$2,775.00

Available in pre-revision spline, horizontally applied brakes only.

## Series 87,800 Disc Brakes

Model Number	Nominal Static Torque (lb-ft)	Enclosure	List Price	Wt. (lbs)	Discount Symbol
1-087-802-00-XXX	6	IP 54	\$2275.00	42	B2
1-087-812-00-XXX	10	IP 54	2275.00	42	B2
1-087-822-00-XXX	15	IP 54	2325.00	43	B2
1-087-832-00-XXX	25	IP 54	2400.00	43	B3
1-087-842-00-XXX	35	IP 54	2550.00	46	B3
1-087-852-00-XXX	50	IP 54	2850.00	42	B3
1-087-862-00-XXX	75	IP 54	3350.00	50	B3
1-087-882-00-XXX	105	IP 54	4050.00	54	B3

- See Tables G, H and J, Page 3 for standard voltage ratings. Add \$175.00 for other AC voltages and frequencies.
  - Standard bore and keyway sizes are E through H and M, Table B, Page 3.
  - For special bore and keyway changes, see Modification List, Page 17.
  - See Page 15 for motor-frame adapter price.
  - Add \$225.00 for cartridge space heater, 115 or 230 Vac only.
  - Add \$32.00 per disc for special duty friction discs.
  - Add \$450.00 for electrical release indicator switch.
  - Add \$275.00 for side manual release.
  - Add \$125.00 for non-maintained release.
  - Add the following for NEMA 56C-145TC mounting face (-5 register):  
\$340.00
  - Add \$340.00 for -7 mounting face.
  - Add \$340.00 for -3 mounting face.
  - For bronze carrier ring friction discs, add: 6-35 lb-ft. \$925.00  
50-75 lb-ft \$1,850.00  
105 lb-ft. \$2,775.00
- Available in pre-revision spline, horizontally applied brakes only.

## Motor-Frame Adapter Kits

Brake Series	To Adapt to NEMA Frame Size	Register Number	Stock Number	List Price	Discount Symbol
87,000	56 C or 140 TC	-5	5-55-7043-00	\$ 1,300.00	B2
55,000 & 56,X00 55,500 65,300 81,000 82,000 & 82,300	180 TC- 256 TC (8 <sup>1</sup> / <sub>2</sub> " AK dim.)	-9 -9 -9 -9 -9	5-55-504X-00 <sup>①</sup> 5-55-5041-00 5-55-5046-00 5-55-2041-00 5-55-2042-00	700.00 700.00 700.00 1,325.00 1,325.00	B4 B4 BØ C1 C1
87,000 81,000 82,000 & 82,300	284 TC and 286 TC (10 <sup>1</sup> / <sub>2</sub> " AK dim.)	-11 -11 -11	5-55-7055-00 5-55-2043-00 5-55-2044-00	450.00 1,325.00 2,075.00	B2 C1 C1
87,000 86,000	324 TC through 405 TSC (12 <sup>1</sup> / <sub>2</sub> " AK dim.)	-13 -13	5-55-7046-00 5-55-6041-00	875.00 2,800.00	B2 C1
81,000 82,000 & 82,300	444 TSC and 445 TSC (16" AK dim.)	-16 -16	5-55-2045-00 5-55-2046-00	1,875.00 1,875.00	C1 C1
81,000	Conversion kit to replace H-1000 and R-1000 brakes		<i>contact Stearns Division</i> <sup>②</sup>	7,500.00	C1
82,000	Conversion kit to replace H-1200, HK-1200, H-1300 and R-1300 brakes		<i>contact Stearns Division</i> <sup>②</sup>	7,500.00	C1

<sup>①</sup> Stock number varies with torque. Contact Stearns Division for adapter number.

<sup>②</sup> Conversion kits include a special hub and adapter. Stock number varies with the brake model to be replaced. Order Series 81,000 and 82,000 brakes less hub when ordering the conversion kits.

## Foot Mounting Kits

Brake Series	Stock Number	List Price	Discount Symbol
55,000 & 56,X00	5-55-502X-00 <sup>①</sup>	\$ 500.00	B4
55,500	5-55-5023-00	500.00	B4
81,000	5-55-2022-00	1,325.00	C1
82,000	5-55-2022-00	1,325.00	C1
86,000	5-55-6021-00	3,900.00	C1
87,000	5-55-7021-00	575.00	B2

<sup>①</sup> Stock number varies with torque and enclosure. Contact Stearns Division for foot mount stock number.

## Brake Modification List Adders by Brake Series\* (Series 48,100 through 56,900)

Mod #	Modification	Brake Series										
		48,100	56,000	56,100	56,200	56,300	56,400	56,500	56,600	56,700	56,800	56,900
M01	Electrical Release Indicator Switch	N/A	450.00	450.00	450.00	450.00	450.00	450.00	450.00	450.00	N/A	450.00
M02	Electrical Release Proximity Switch	N/A	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	1,375.00	N/A	1,375.00
M03	Brass Pressure Plate (see M04)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
M04	Brass Stationary Disc (per Disc)	N/A	250.00	250.00	250.00	N/A	N/A	250.00	250.00	250.00	250.00	250.00
M05	Breather Drain	N/A	N/A	380.00	380.00	N/A	N/A	N/A	380.00	380.00	N/A	380.00
M06	Class H Insulation	N/A	145.00	145.00	145.00	145.00	145.00	145.00	145.00	145.00	Std	145.00
M07	Tach Machining (Standard) IP 23	N/A	N/A	N/A	800.00	N/A	N/A	N/A	N/A	N/A	N/A	800.00
M07	Tach Machining (Close Tolerance) IP 23	N/A	N/A	N/A	2,350.00	N/A	N/A	N/A	N/A	N/A	N/A	2,350.00
M07	Tach Machining (Standard) IP 54/IP55	N/A	N/A	N/A	910.00	N/A	N/A	N/A	N/A	N/A	N/A	910.00
M07	Tach Machining (Close Tolerance) IP 54/IP55	N/A	N/A	N/A	2,460.00	N/A	N/A	N/A	N/A	N/A	N/A	2,460.00
M08	Conduit Box w/Terminal Strip	N/A	300.00	300.00	300.00	300.00	300.00	300.00	300.00	300.00	600.00	300.00
M09	DC Coil Option Standard Voltage	300.00	300.00	300.00	300.00	300.00	300.00	300.00	300.00	300.00	N/A	300.00
M09	DC Coil Option Non-Standard Voltage	250.00	250.00	250.00	250.00	250.00	250.00	250.00	250.00	250.00	N/A	250.00
M11	Non-Standard Hub Bores or Keyways	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00
M12	Side Manual Release	Std	50.00	N/A	Std	N/A	50.00	50.00	N/A	Std	Std	Std
M13	Space Heater (115 or 230 Vac)	N/A	210.00	210.00	210.00	210.00	210.00	210.00	210.00	210.00	N/A	210.00
M14	Special Paint - 1 Coat (Inside/Outside)	N/A	210.00	210.00	210.00	210.00	210.00	210.00	210.00	210.00	210.00	N/A
M15	Stainless Steel Self Adjust	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
M16	Stainless Steel Hardware	125.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	N/A
M17	Terminal Strip	N/A	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	N/A	150.00
M18	Thermostat (Thermal Switch)	N/A	400.00	400.00	400.00	400.00	400.00	400.00	400.00	400.00	Std	400.00
M19	Through Shaft - IP 23 (Std. Enclosure)	K/O	K/O	110.00	110.00	N/A	K/O	K/O	110.00	N/A	N/A	N/A
M20	Through Shaft - IP 54/IP55 (DTWP/BISSC)	N/A	N/A	220.00	220.00	N/A	N/A	N/A	220.00	N/A	N/A	220.00
M21, 23, 24	Vertical Mounting											
	1.5 ft/lb	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
	3 ft/lb	-	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
	6 ft/lb	-	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
	10 ft/lb	-	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
	15 ft/lb	-	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
	20 ft/lb	-	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
	25 ft/lb	-	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
M25	Voltage Non-Standard (AC)	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00	165.00
M27	Wear Indicator (Fric. Disc) Switch w/Leads	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
M29	Special Shaft-Coupler Brake	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	325.00	N/A	N/A
M30	Taper-Lock Hubs	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
M31	Special Length Lead Wires up to 5 ft.	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
M31	Special Length Lead Wires over 5 ft.	130.00	130.00	130.00	130.00	130.00	130.00	130.00	130.00	130.00	130.00	130.00
M32	Non-maintained Release	N/A	185.00	Std	110.00	N/A	185.00	185.00	Std	110.00	110.00	110.00
M33	Metric Machining Includes Cast Iron Endplate		N/A	N/A	580.00	N/A	580.00	580.00	N/A	N/A	N/A	580.00
M34	Special Derating of Torque		N/A	N/A	N/A	N/A	N/A	315.00	N/A	N/A	N/A	N/A
M35	Special Internal Lead Wire Hole w/Bushing	175.00	175.00	175.00	175.00	175.00	175.00	175.00	175.00	175.00	N/A	175.00
M36	Housing Split (IP 23 only)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
M37	Internal Release		N/C	Std	N/A	N/A	N/A	N/C	Std	N/A	N/A	N/A
M38	Motor Gasket		75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	N/A	75.00
M39	Corrosion-Resistant Endplate		N/A	N/A	425.00	N/A	425.00	425.00	N/A	N/A	425.00	N/A
M40	Special Milling Flat Bottom on Hsg. Endplate		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
M41	Brass Nameplate w/Special Engraving		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
M42	Stainless Splined Hub		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
M43	Viton Gasket	N/A	950.00	950.00	950.00	N/A	950.00	950.00	950.00	950.00	N/A	950.00
M44	Special Friction Disc (per Disc)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
M45	Splined Hub and Friction Disc											
	1.5 ft/lb	Std	Std	Std	Std	Std	Std	-	Std	Std	Std	Std
	3 ft/lb	Std	Std	Std	Std	Std	Std	-	Std	Std	Std	Std
	6 ft/lb	Std	Std	Std	Std	Std	Std	-	Std	Std	Std	Std
	10 ft/lb	-	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
	15 ft/lb	-	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
	20 ft/lb	-	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
	25 ft/lb	-	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
M46	Carrier Ring Friction Disc (Aluminum, per Disc)	N/A	420.00	420.00	420.00	420.00	420.00	420.00	420.00	420.00	N/A	420.00
M47	Carrier Ring Friction Disc (Bronze, per Disc)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*For special modifications, please contact Stearns Customer Service at (414) 272-1100.

KEY: N/A = Not Available, K/O = Knock Out Hole, Std = Standard (No Charge), - = Torques not available on this Brake Series

## Brake Modification List Adders by Brake Series\* (Series 65,000 through 87,800)

Mod #	Modifications	65,000 65,300	81,000	82,000	82,300	86,000	87,000 87,100	87,200	87,300-00 87,300-01 87,300-02	87,700 87,700-B	87,800
M01	Electrical Release Indicator Switch	450.00	450.00	450.00	450.00	900.00	450.00	450.00	450.00	450.00	N/A
M02	Electrical Release Proximity Switch	1,375.00	1,375.00	1,375.00	1,375.00	2,750.00	1,375.00	1,375.00	1,375.00	1,375.00	N/A
M03	Brass Pressure Plate	250.00	800.00	800.00	800.00	1050.00	600.00	600.00	600.00	600.00	600.00
M04	Brass Stationary Disc (per Disc)	250.00	600.00	600.00	600.00	750.00	450.00	450.00	450.00	450.00	450.00
M05	Breather Drain	500.00	380.00	380.00	N/A	380.00	380.00	380.00	N/A	380.00	380.00
M06	Class H Insulation	Std	285.00	285.00	Std	570.00	175.00	175.00	Std	175.00	Std
M07	Tach Machining (Standard ) IP 23	N/A	1100.00	1100.00	N/A	1100.00	700.00	N/A	N/A	N/A	N/A
M07	Tach Machining (Close Tolerance) IP 23	N/A	2550.00	2550.00	N/A	2550.00	2450.00	N/A	N/A	N/A	N/A
M07	Tach Machining (Standard ) IP 54/ IP55	N/A	1375.00	1375.00	N/A	1375.00	1200.00	N/A	N/A	N/A	N/A
M07	Tach Machining (Close Tolerance) IP 54/ IP55	N/A	2825.00	2825.00	N/A	2950.00	2750.00	N/A	N/A	N/A	N/A
M08	Conduit Box w/Terminal Strip	600.00	300.00	300.00	600.00	300.00	300.00	300.00	600.00	300.00	600.00
M09	DC Coil Option Standard Voltage	N/A	1050.00	1565.00	N/A	2625.00	570.00	570.00	N/A	570.00	N/A
M09	DC Coil Option Non-Standard Voltage	N/A	250.00	250.00	N/A	500.00	250.00	250.00	250.00	250.00	N/A
M11	Non-Standard Hub Bores or Keyways	325.00	600.00	600.00	600.00	600.00	250.00	N/A	250.00	250.00	250.00
M12	Side Manual Release	N/A	350.00	350.00	N/A	N/A	*See pg 12	N/A	N/A	N/A	275.00
M13	Space Heater (115 or 230 Vac)	750.00	275.00	275.00	750.00	275.00	225.00	225.00	750.00	225.00	N/A
M14	Special Paint - 1 Coat (inside/Outside)	300.00	550.00	550.00	550.00	550.00	525.00	525.00	525.00	525.00	525.00
M15	Stainless Steel Self Adjust	N/A	350.00	350.00	350.00	700.00	350.00	350.00	350.00	350.00	350.00
M16	Stainless Steel Hardware	N/A	275.00	275.00	275.00	275.00	150.00	150.00	150.00	150.00	150.00
M17	Terminal Strip	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00
M18	Thermostat (Thermal Switch)	Std	400.00	400.00	Std	400.00	400.00	400.00	400.00	400.00	Std
M19	Through Shaft - IP 23 (Std. Enclosure)	N/A	225.00	225.00	N/A	300.00	*See pg 12	N/A	N/A	N/A	N/A
M20	Through Shaft - IP 54/ IP55 (DTWP/BISSC)	N/A	500.00	500.00	N/A	700.00	300.00	N/A	N/A	N/A	N/A
M21, 23, 24	Vertical Mounting										
	3 lb-ft	Std	-	-	-	-	-	-	-	-	-
	6 lb-ft (Above)	Std	-	-	-	-	95.00**	-	95.00	95.00	95.00
	6 lb-ft (Below)	Std	-	-	-	-	Std	-	Std	Std	Std
	10 lb-ft (Above)	Std	-	-	-	-	95.00**	-	95.00	95.00	95.00
	10 lb-ft (Below)	Std	-	-	-	-	Std	-	Std	Std	Std
	15 lb-ft (Above)	Std	-	-	-	-	95.00**	N/A	95.00	95.00	95.00
	15 lb-ft (Below)	Std	-	-	-	-	Std	N/A	Std	Std	Std
	25 lb-ft (Above)	Std	-	-	-	-	95.00**	N/A	95.00	95.00	95.00
	25 lb-ft (Below)	Std	-	-	-	-	Std	N/A	Std	Std	Std
	35 lb-ft (Above)	Std	-	-	-	-	95.00**	N/A	95.00	95.00	95.00
	35 lb-ft (Below)	Std	-	-	-	-	Std	N/A	Std	Std	Std
	50 lb-ft (Above and Below)	-	-	-	-	-	105.00**	N/A	105.00	105.00	105.00
	75 lb-ft (Above and Below)	-	-	-	-	-	105.00**	N/A	105.00	105.00	105.00
	105 lb-ft (Above and Below)	-	-	-	-	-	135.00**	N/A	135.00	135.00	135.00
	125 lb-ft IP 23 (Above and Below)	-	250.00	250.00	-	-	-	-	-	-	-
	125 lb-ft IP 54 (Above)	-	575.00	575.00	-	-	-	-	-	-	-
	125 lb-ft IP 54 (Below)	-	250.00	250.00	-	-	-	-	-	-	-
	175 lb-ft IP 23 (Above and Below)	-	250.00	250.00	-	-	-	-	-	-	-
	175 lb-ft IP 54 (Above)	-	575.00	575.00	-	-	-	-	-	-	-
	175 lb-ft IP 54 (Below)	-	250.00	250.00	-	-	-	-	-	-	-
	230 lb-ft IP 23 (Above and Below)	-	300.00	300.00	-	-	-	-	-	-	-
	230 lb-ft IP 54 (Above)	-	650.00	650.00	-	-	-	-	-	-	-
	230 lb-ft IP 54 (Below)	-	300.00	300.00	-	-	-	-	-	-	-
	330 lb-ft NEMA 2 (Above and Below)	-	-	300.00	-	-	-	-	-	-	-
	330 lb-ft IP 54 (Above)	-	-	650.00	-	-	-	-	-	-	-
	330 lb-ft IP 54 (Below)	-	-	300.00	-	-	-	-	-	-	-
	440 lb-ft NEMA 2 (Above and Below)	-	-	500.00	-	-	-	-	-	-	-
	440 lb-ft IP 54 (Above)	-	-	850.00	-	-	-	-	-	-	-
	440 lb-ft IP 54 (Below)	-	-	500.00	-	-	-	-	-	-	-
	500 lb-ft (Above and Below)	-	-	-	-	650.00	-	-	-	-	-
	550 lb-ft NEMA 2 (Above and Below)	-	-	N/A	-	-	-	-	-	-	-

\*For special modifications, please contact Stearns Customer Service at (414) 272-1100.

\*\*Also add \$275.00 for side manual release on all 87,000 & 87,100 Series IP 54 CAST IRON vertical above

KEY: N/A = Not Available, K/O = Knock Out Hole, Std = Standard (No Charge), - = Torques not available on this Brake Series

## Brake Modification List Adders by Brake Series\* (Series 65,000 through 87,800) (Continued)

Mod #	Modifications	65,000 65,300	81,000	82,000	82,300	86,000	87,000 87,100	87,200	87,300-00 87,300-01 87,300-02	87,700 87,700-B	87,800
<b>M21, 23, 24</b>	Vertical Mounting										
	550 ft/lb NEMA 4 (Above and Below)	--	--	N/A	--	--	--	--	--	--	--
	750 ft/lb	--	--	--	--	650.00	--	--	--	--	--
	1000 ft/lb	--	--	--	--	N/A	--	--	--	--	--
<b>M25</b>	Voltage Non-Standard (AC)	165.00	200.00	200.00	200.00	200.00	175.00	175.00	175.00	175.00	175.00
<b>M27</b>	Wear Indicator (Fric. Disc) Switch w/Leads	N/A	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	N/A
<b>M29</b>	Special Shaft - Coupler Brake	N/A	N/A	N/A	N/A	N/A	N/A	325.00	N/A	325.00	N/A
<b>M30</b>	Taper-Lock Hubs										
	6 ft/lb	N/A	N/A	N/A	N/A	N/A	200.00**	N/A	N/A	N/A	N/A
	10 ft/lb	N/A	N/A	N/A	N/A	N/A	200.00 **	N/A	N/A	N/A	N/A
	15 ft/lb	N/A	N/A	N/A	N/A	N/A	200.00 **	N/A	N/A	N/A	N/A
	25 ft/lb	N/A	N/A	N/A	N/A	N/A	200.00 **	N/A	N/A	N/A	N/A
	35 ft/lb	N/A	N/A	N/A	N/A	N/A	200.00 **	N/A	N/A	N/A	N/A
	50 ft/lb	N/A	N/A	N/A	N/A	N/A	225.00	N/A	N/A	N/A	N/A
	75 ft/lb	N/A	N/A	N/A	N/A	N/A	225.00	N/A	N/A	N/A	N/A
	105 ft/lb	N/A	N/A	N/A	N/A	N/A	250.00	N/A	N/A	N/A	N/A
	125 ft/lb	N/A	225.00	375.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	175 ft/lb	N/A	225.00	375.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	230 ft/lb	N/A	325.00	550.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	330 ft/lb	N/A	N/A	550.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	440 ft/lb	N/A	N/A	675.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	500 ft/lb	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	550 ft/lb	N/A	N/A	775.00	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	750 ft/lb	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1000 ft/lb	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>M31</b>	Special Length Lead Wires up to 5 ft.	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00
<b>M31</b>	Special Length Lead Wires over 5 ft.	130.00	130.00	130.00	130.00	130.00	130.00	130.00	130.00	130.00	130.00
<b>M32</b>	Non-maintained Release	N/A	125.00	125.00	130.00	250.00	125.00	125.00	N/A	125.00	125.00
<b>M33</b>	Metric Machining Includes Cast Iron Endplate	N/A	1,540.00	1,540.00	N/A	1,540.00	87,000=925 87,100=N/A	N/A	N/A	925.00	925.00
<b>M34</b>	Special Derating of Torque	N/A	460.00	460.00	N/A	575.00	87,000=N/A 87,100=315	N/A	N/A	N/A	N/A
<b>M35</b>	Special Internal Lead Wire Hole w/Brushing	N/A	175.00	175.00	N/A	175.00	175.00	N/A	N/A	175.00	N/A
<b>M36</b>	Housing Split	N/A	725.00	725.00	N/A	725.00	200.00	N/A	N/A	N/A	N/A
<b>M36</b>	Housing Split (Gasketed)	N/A	1,000.00	1,000.00	N/A	1,000.00	250.00	N/A	N/A	N/A	N/A
<b>M37</b>	Internal Release	N/A	N/C	N/C	N/A	N/C	N/C	N/A	N/A	N/C	N/A
<b>M38</b>	Motor Gasket	N/A	100.00	100.00	N/A	100.00	75.00	N/A	N/A	75.00	N/A
<b>M39</b>	Corrosion-Resistant Endplate	425.00	575.00	575.00	575.00	575.00	475.00	475.00	475.00	475.00	475.00
<b>M40</b>	Special Milling Flat Bottom on Hsg. Endplate	N/A	650.00	650.00	N/A	650.00	N/A	N/A	N/A	N/A	N/A
<b>M41</b>	Brass Nameplate w/Special Engraving	N/A	75.00	75.00	N/A	75.00	N/A	N/A	N/A	N/A	N/A
<b>M42</b>	Stainless Splined Hub	N/A	1,060.00	1,060.00	N/A	1,060.00	800.00	800.00	N/A	N/A	800.00
<b>M43</b>	Viton Gasket	N/A	1,060.00	1,060.00	N/A	1,060.00	1,125.00	1,125.00	N/A	1,125.00	1,125.00
<b>M44</b>	Special Friction Disc (per Disc)	N/A	N/A	N/A	N/A	N/A	N/A	50.00	50.00	50.00	50.00
<b>M45</b>	Splined Hub and Friction Disc										
	3 ft/lb	Std	--	--	--	--	--	--	--	--	Std
	6 ft/lb	Std	--	--	--	--	Std	--	No charge	Std	Std
	10 ft/lb	Std	--	--	--	--	Std	Std	No charge	Std	Std
	15 ft/lb	Std	--	--	--	--	Std	Std	No charge	Std	Std
	20 ft/lb	--	--	--	--	--	Std	Std	No charge	--	Std
	25 ft/lb	--	--	--	--	--	Std	Std	No charge	Std	Std
	35 ft/lb	--	--	--	--	--	Std	Std	No charge	Std	Std
	50 ft/lb	--	--	--	--	--	Std	Std	No charge	Std	Std
	75 ft/lb	--	--	--	--	--	Std	Std	No charge	Std	Std
	105 ft/lb	--	--	--	--	--	Std	Std	No charge	Std	Std
	125 ft/lb	--	Std	Std	Std	--	--	--	--	--	--
	175 ft/lb	--	Std	Std	Std	--	--	--	--	--	--
	230 ft/lb	--	Std	Std	Std	--	--	--	--	--	--
	330 ft/lb	--	--	Std	Std	--	--	--	--	--	--
	440 ft/lb	--	--	Std	--	--	--	--	--	--	--
	500 ft/lb	--	--	--	--	Std	--	--	--	--	--
	550 ft/lb	--	--	Std	--	--	--	--	--	--	--
	750 ft/lb	--	--	--	--	Std	--	--	--	--	--
	1000 ft/lb	--	--	--	--	Std	--	--	--	--	--
<b>M46</b>	Carrier Ring Friction Disc (Steel or zinc/alum., per disc)	N/A	700.00	700.00	700.00	N/A	550.00 ■	550.00 ■	N/A	550.00 ■	N/A
<b>M47</b>	Carrier Ring Friction Disc (Bronze, per Disc)	N/A	N/A	1,050.00	N/A	1,250.00	See pg. 12	See pg. 13	See pg. 13	See pg. 14	See pg. 14
<b>M48</b>	Manual Adjust Option	Std	N/A	N/A	N/A	N/A	-60.00	-60.00	N/A	-60.00	N/A

\*For special modifications, please contact Stearns Customer Service at (414) 272-1100.

\*\* (N/A in torques for 87,100) ■ Only available in revision B or later brakes, in zinc/alum. alloy.

**KEY:** N/A = Not Available, K/O = Knock Out Hole,  
Std = Standard (No Charge), -- = Torques not available on this Brake Series



# ARMATURE ACTUATED BRAKES (AAB'S)

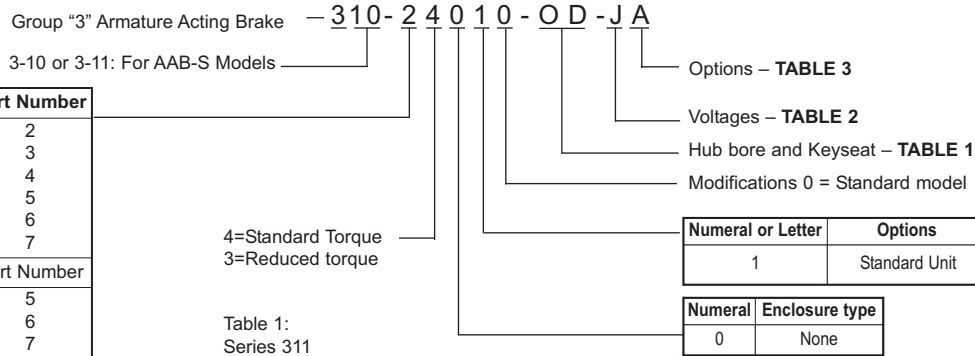
## 310 Series ARMATURE ACTUATED SPRING-SET BRAKES

Size	Part Number	List Price	Discount Symbol	Variables for Bores and Voltages	Bores Available		Approx. Weight	
	Metric				English (inch)	Metric (mm)	Lbs	Kg
1.79	31024010- <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/>	\$492.00	R1	<b>Standard Unit</b> <input type="checkbox"/> Options Table <input type="checkbox"/> Voltage Table <input type="checkbox"/> Bore and Keyway Table	1/4, 5/16	6, 7, 8	.5	0.23
2	31034010- <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/>	588.00	R1		1/4, 5/16	6, 7, 8	.7	0.32
2.87	31044010- <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/>	656.00	R1		3/8, 1/2, 5/8	9, 10, 11, 12, 14, 15	1.5	0.68
3.35	31054010- <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/>	794.00	R1		1/2, 5/8	14, 15	3	1.36
4.25	31064010- <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/>	948.00	R1		5/8, 3/4, 7/8	14, 15, 17, 18, 19, 20, 22	4.5	2.04
5	31074010- <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/>	1240.00	R1		3/4, 7/8, 15/16	17, 18, 19, 20, 22, 23, 24	6.6	2.99

## 311 Series ARMATURE ACTUATED SPRING-SET BRAKES

Size	Part Number	List Price	Discount Symbol	Variables for Bores and Voltages	Bores Available		Approx. Weight	
					English (inch)	Metric (mm)	Lbs	Kg
3.38	311-54010-XX-XX	\$872.00	R1	<b>Standard Unit</b> <input type="checkbox"/> Options Table <input type="checkbox"/> Voltage Table <input type="checkbox"/> Bore and Keyway Table	1/2, 5/8, 7/8, 1-1/8	12, 14, 15, 17, 18, 19, 20, 22, 23, 24, 25, 26, 28	2.75	1.25
4.75	311-64010-XX-XX	1040.00	R1		1/2, 5/8, 7/8, 1-1/8, 1-3/8	14, 15, 17, 18, 19, 20, 22, 23, 24, 25, 26, 28, 30, 32, 34	7.00	3.18
5.0	311-74010-XX-XX	1364.00	R1		7/8, 1-1/8, 1-3/8	19, 20, 22, 23, 24, 25, 26, 28, 30, 32, 34, 26, 38	8.75	3.97

### Ordering Information



Series 310 Sizes	Part Number
1.79	2
2.0	3
2.87	4
3.35	5
4.25	6
5.0	7

Series 311 Sizes	Part Number
3.38	5
4.75	6
5.0	7

Table 1: hub bores 311-64010 -  -JA

Character to insert	Bore +001/.001	Keyway Size*	
		Width inches	Depth inches
0B	5/8	3/16	3/32
0D	7/8	3/16	3/32
0E	1-1/8	1/4	1/8
0G	1-3/8	1/4	1/8
0M	1-1/2	1/4	1/8
	Metric	mm	mm
12	12	4	4
14	14	5	5
15	15	5	5
17	17	5	5
18	18	6	6
19	19	6	6
20	20	6	6
22	22	6	6
23	23	8	7
24	24	8	7
25	25	8	7
26	26	8	7
28	28	8	7
30	30	8	7
32	32	10	8
34	34	10	8
35	35	10	8
36	36	10	8
38	38	10	8

Table 2: Standard Coil Voltage 310-2401-0H-A

Character to insert	Voltage	List Adder
C	12 VDC	\$40.00
E	24 VDC	-
G	48 VDC	40.00
J	90 VDC	-
L	180 VDC	40.00
N	115 VAC	30.00
P	230 VAC	30.00

Note: Add \$20.00 for non-standard coil voltage

Table 3: Options 310-24010-0D-J

Character	Options	Available by size
A	Basic Brake, Magnet Body Mounted, Long Hub	1.79, 2.0, 2.87, 3.35, 3.38, 4.25, 4.75, 5.0
D	Basic Brakes, Short Hub	1.79, 2.0, 2.87

Table 1: Series 310

Table 1: hub bores 310-24010 -  -JA

Character to insert	Bore +001/.001	Keyway Size	
		Width inches	Depth inches
0B	3/16	1/16	1/32
0D	1/4	1/16	1/32
0F	5/16	1/16	1/32
0H	3/8	3/32	3/64
0J	1/2	1/8	1/16
0L	5/8	3/16	3/32
0N	3/4	3/16	3/32
	Metric	mm	mm
05	5	2	2
06	6	2	2
07	7	2	2
08	8	2	2
09	9	3	3
10	10	3	3
11	11	4	4
12	12	4	4
14	14	5	5
15	15	5	5
17	17	5	5
18	18	6	6
19	19	6	6

Note: Non-Standard bore sizes available, contact factory. Add \$60.00 for non-standard bore size.

# 320 Series ARMATURE ACTUATED SPRING-SET BRAKES (Discount Symbol R2)

Size	Part Number	Approx Weight		Electric Power (watts)	Hub and Disc Inertia (oz-in-sec <sup>2</sup> )	Maximum Bore		List Price Vdc		Options List Price Adders			
		lbs	kg			in	mm	Std Brake	With manual release	Double "D" friction disc	Carrier ring friction disc	Brake release indicator	Band Seal
1.2D	3-20-24010-XX-XX	.4	.181	7	7.02 x 10 <sup>-5</sup>	3/8	9	\$180	\$230	No charge	\$20	\$80	N/A
1.2H <sup>①</sup>	3-20-2501S-XX-XX	.4	.181	9	7.02 x 10 <sup>-5</sup>	3/8	9	190	240	Not available	Standard	80	N/A
1.8D	3-20-44010-XX-XX	1.1	.499	10	4.8 x 10 <sup>-4</sup>	1/2 <sup>②</sup>	12	200	260	No charge	\$20	80	\$16
1.8H <sup>①</sup>	3-20-4501G-XX-XX	1.1	.499	10	4.8 x 10 <sup>-4</sup>	1/2 <sup>②</sup>	12	230	290	No charge <sup>③</sup>	20	80	16
1.8D	3-20-4601G-XX-XX	1.1	.499	10	4.8 x 10 <sup>-4</sup>	1/2 <sup>②</sup>	12	250	310	Not available	Not available	80	16
2.0D	3-20-54010-XX-XX	1.2	.544	12.5	2.23 x 10 <sup>-3</sup>	1/2	12	230	290	No charge <sup>③</sup>	20	80	16
2.0H <sup>①</sup>	3-20-5501G-XX-XX	1.2	.544	12.5	2.23 x 10 <sup>-3</sup>	1/2	12	270	330	No charge <sup>③</sup>	20	80	16
2.8D	3-20-74010-XX-XX	2.0	.91	17	2.3 x 10 <sup>-3</sup>	1/2 <sup>②</sup>	12	310	370	Not available	20	80	22
2.8H <sup>①</sup>	3-20-7501G-XX-XX	2.0	.91	17	2.3 x 10 <sup>-3</sup>	1/2 <sup>②</sup>	12	350	410	Not available	Not available	80	22

\*Set Screws located 120° from keyway.

① For holding applications only. ② Set Screws located 120° from keyway. ③ Contact factory for Double "D" discs on brakes greater than 7 lb-in static torque

## 320 Series WITH MOUNTING PLATE AND HOUSING

Size	Mounting	Part Number	List Price* DC Brake		Approx. Weight	
			Standard Brake	With Manual Release	lbs	kg
1.2	2.5" or 2.62" bolt circle	3-20-241C0	\$240.00	\$290.00	0.4	0.181
1.8	2.125" bolt circle	3-20-441A0	280.00	N/A	1.1	0.499
		3-20-461A0	300.00	N/A		
1.8	3.5" bolt circle, 2.5" register	3-20-441E0	300.00	360.00	1.1	0.499
		3-20-461E0	320.00	380.00		
1.8	3.5" bolt circle, No register	3-20-441B0	270.00	350.00	1.1	0.499
		3-20-461B0	290.00	350.00		
2.8	3.5" bolt circle, No register	3-20-741B0	400.00	N/A	2.0	0.910

\*If ordering the brake with mounting plate only, no housing, subtract: Size 1.2 (\$10.00) Size 1.8 (\$20.00) Size 2.8 (\$30.00).

## Ordering Information

Specify part number of unit as follows:

320-44010-0H-JD

Group "3": Armature Actuating Brakes  
320 = For SSB Models

AAB Unit Size	Part Number
1.2	2
1.8	4
2.0	5
2.8	7

Size	Character	Nominal Static Torque (lb-in)	List Adder
1.2	4	3 Dynamic	-
	5	5 Holding	-
1.8	4	7 Dynamic	-
	6	15 Dynamic	\$20.00
	9	9 Dynamic	10.00
	5	15 Holding	-
2.0	4	18 Dynamic	-
	5	30 Holding	-
2.8	4	35 Dynamic	-
	5	50 Holding	-

Numeral	Enclosure Type
0	None
1	Standard Housing
2	Band Seal

Numeral or Letter	Frame Designation or Mounting Plates	Brake Size		
		1.2	1.8	2.8
1	Standard Unit	X	X	X
A	2.125" Bolt Circle		X	
B	3.5" Bolt Circle		X	X
C	2.5" or 2.62" Bolt Circle	X		
E	3.5" Bolt Circle 2.5" Register		X	

Table 2: Standard voltages  
3-20-44010-0H[\*]-D

Character to Insert	Voltage	List Adder
C	12 Vdc	-
E	24 Vdc	-
G	48 Vdc	-
J	90 Vdc	-
K	103 Vdc	-
L	180 Vdc	-
N	115 Vac In-line rectifier	\$50.00
P	230 Vac In-line rectifier	\$50.00
T	115 Vac Internal rectifier sizes 1.8 and 2.8	\$30.00
U	230 Vac Internal rectifier sizes 1.8 and 2.8	\$30.00

Note: Add \$40.00 for non-standard coil voltage

Table 1: Standard bore sizes  
320-44010-[\*]-JD

Character to Insert	Bore	Keyway Size		Bores Available			
		Width (in.) x Depth (in.)	N/A	1.2	1.8	2.0	2.8
0A	3/16	N/A	N/A	x			
0B	3/16	1/16	1/32		x		
0C	1/4	N/A	N/A	x			
0D	1/4	1/16	1/32		x	x	x
0E	5/16	N/A	N/A	x			
0F	5/16	1/16	1/32		x	x	x
0G	3/8	N/A	N/A	x			
0H	3/8	3/32	3/64		x	x	x
0J	1/2	1/8	1/16		①	x	①
05	5	2 mm	2 mm	x	x	x	x
06	6	2 mm	2 mm	x	x	x	x
07	7	2 mm	2 mm	x	x	x	x
08	8	2 mm	2 mm	x	x	x	x
09	9	3 mm	3 mm	x	x	x	x
10	10	3 mm	3 mm				x
11	11	4 mm	4 mm				x
12	12	4 mm	4 mm				x

NOTE: Add \$32.00 For non-standard bores.

① Set Screws located 120° from keyway.

Table 1A: 320-44010-[\*]-JX (Double "D" Bores)

Character to Insert	Bore	Bores Available Mag Body Size		
		1.2	1.8	2.0
0F	5/16	x	x	
0H	3/8	x	x	x
0J	1/2			x

Note: Contact factory for Double D disc on brakes greater than 7 lb-in nominal static torque.

Table 3: Options 320-44010-0H-J[\*]

Characters	Options
A	Basic Brake, Magnet Body Mounted, Long Hub
D*	Basic Brake, Pressure Plate Mounted, Short Hub*
G*	Short Hub, Pressure Plate Mounted with Maintained Manual Release*
H	Long Hub with Maintained Manual Release, Size 2.8 Only
X	Double "D" Friction Disc
Y	Option X with Maintained Manual Release Pressure Plate Mounted

\*Short hub not required for size 2.8 pressure plate mount.

# 321 & 322 Series ARMATURE ACTUATED BRAKES (Discount Symbol R2)

Size	321 Series Model External leads*		321 Series List Price DC		322 Series Model Internal leads only		322 Series List Price DC		Options List Price Adders			
	Mounting		Standard Brake	With manual release	Mounting		Standard Brake	With manual release	Double "D" disc	Carrier ring disc	Release indicator switch	Through-shaft
	Body	Flange			Body	Flange						
1.2 Dynamic	3-21-24010	3-21-24030	\$190	\$240	3-22-24A10	N/A**	\$210	\$260	N/C**	\$20	\$80	\$10
1.2 Holding	3-21-2501G	3-21-2503G	200	250	3-22-25A1G	N/A**	220	270	N/C**	N/C**	80	10
1.8 Dynamic	3-21-44010	3-21-440D0	220	280	3-22-44A10	3-22-44AD0	242	302	N/C**	\$20	80	10
1.8 Holding	3-21-4501G	3-21-450DG	250	310	3-22-45A1G	3-22-45ADG	276	336	N/C**	20	80	10
1.8 Dynamic	3-21-4601G	3-21-460DG	270	325	3-22-46A1G	3-22-46ADG	296	356	N/A**	N/A**	80	10
2.8 Dynamic	3-21-7401K	N/A**	340	400	3-22-74A1K	N/A**	374	434	N/A**	N/A**	80	10
2.8 Dynamic	3-21-7501K	N/A**	380	440	3-22-75A1K	N/A**	414	474	N/A**	N/A**	80	10
2.8 Holding	3-21-7701K	N/A**	410	470	3-22-77A1K	N/A**	450	510	N/A**	N/A**	80	10
<b>72 mm mount</b>					<b>72 mm mount</b>							
2.8 Dynamic	3-21-740MK	N/A**	\$340	\$400	3-22-74AMK	N/A**	\$374	\$434	N/A**	N/A**	\$80	\$10
2.8 Holding	3-21-750MK	N/A**	380	440	3-22-75AMK	N/A**	414	474	N/A**	N/A**	80	10

\* For internal lead location use an "A" for the 6th digit.

\* For external lead location use a "0" for the 6th digit.

\*\* Set screws located 120° from keyway.

## Ordering Information

Group "3" Armature Actuated Brakes ——— 3-2X- X X X X 0 - XX- X X — Options – Table 3

Series = 321 or 322

Voltages – Table 2

Hub Bore and Keyway – Table 1  
For Double "D" Bores See Table 1A

Character	Size
2	1.2
4	1.8
7	2.8

Character	Modification
0	Standard Brake
E	Brake release indicator (NC)
F	Brake release indicator (NO)
G	GGA Friction Disc, quiet operation
J	CCW manual release rotation
S	Carrier ring friction disc

Size	Static Torque (lb-in)	Numeral
1.2	3 Dynamic	4
1.2	5 Holding	5
1.8	7 Dynamic	4
1.8	15 Holding	5
1.8	15 Dynamic	6
2.8	35 Dynamic	4
2.8	50 Dynamic	5
2.8	72 Holding	7

Numeral or Letter	Description	Series
0	External Lead Location	321
A	Internal Lead Location*	321 or 322
6	External leads, Thru-Shaft	321
C	Internal Leads*, Thru-Shaft	321 or 322

Numerical or Letter	Mounting	Brake Size		
		1.2	1.8	2.8
1	Body Mount	x	x	x
D	Flange Mount 2.844" Mounting Bolt Circle		x	
3	Flange Mount 2.125" Mounting Bolt Circle	x		
M	Body Mount 72 mm Mounting Bolt Circle			x

Table 1: Bore Size

Characters to Insert	Bore	Keyway Size*		Bores Available		
		Width (in.) x Depth (in.)	Mag	Body	Size	
				1.2	1.8	2.8
0A	3/16	no keyway	x			
0B	3/16	1/16 1/32		x		
0C	1/4	no keyway	x			
0D	1/4	1/16 1/32		x	x	
0E	5/16	no keyway	x			
0F	5/16	1/16 1/32		x	x	
0G	3/8	no keyway	x			
0H	3/8	3/32 3/64		x	x	
0J	1/2	1/8 1/16		①	①	
05	5	2 mm 2 mm	②	x	x	
06	6	2 mm 2 mm	②	x	x	
07	7	2 mm 2 mm	②	x	x	
08	8	2 mm 2 mm	②	x	x	
09	9	3 mm 3 mm	②	x	x	

NOTE: For non-standard bores add \$64.00.

① Set Screws located 120° from keyway

② Hubs are provided without keyway

\*Keyseats made to ANSI B17.1 standard

\*Internal lead not available with in-line rectifier

Table 1A: (Double "D" Bores)

Characters to Insert	Bore
0F	5/16
0H	3/8

NOTE: Contact factory for Double "D" disc on brakes greater than 7 lb-in nominal static torque

Table 2: Standard Coil Voltage

Character to Insert	Voltage	List Adder
C	12 Vdc	-
E	24 Vdc	-
G	48 Vdc	-
J	90 Vdc	-
K	103 Vdc	-
L	180 Vdc	-
N	115 Vac In-line Rectifier	\$50.00
P	230 Vac In-line Rectifier	\$50.00
T	115 Vac Internal Rectifier sizes 1.8 and 2.8	\$30.00
U	230 Vac Internal Rectifier sizes 1.8 and 2.8	\$30.00
Z	115/230 In-line Rectifier	\$50.00

NOTE: Other voltages available, contact factory. Add \$40.00 for non-standard voltages

Table 3: Options

Character to Insert	Options
A	Long hub, size 2.8 Only
D*	Short Hub pressure plate mounted*
G*	Short Hub with Maintained Manual Release*
H	Long Hub with Maintained Manual Release, Size 2.8 Only
X	Double "D" Friction Disc
Y	Option X with Maintained Manual Release

\*Short hub not required for size 2.8 pressure plate mount.

### 331 & 333 Series ARMATURE ACTUATED SPRING-SET BRAKES (Discount Symbol R3)

Size Bolt Circle (mm)	Part Number	Nominal Static Torque	Approx Weight	List Price 333	List Price 331	Adder for thick pressure plate	List Price without Pressure Plate	Options List Adders			
		lb-ft (Nm)	lbs (Kg)	Torque adjust brake	Without Torque adjust			Seal (boot) kit	Manual Release	End Cap Plug	Thru-Shaft Seal
72	33X-14010-XX-XX	3 (4)	2.28 (1.03)	\$474.00	\$436.00	\$104.00	\$438.00	\$22.00	\$86.00	\$20.00	\$344.00
90	33X-24010-XX-XX	6 (8)	4 (1.81)	524.00	486.00	122.00	486.00	24.00	100.00	30.00	344.00
112	33X-34010-XX-XX	12 (16)	6.78 (3.07)	726.00	650.00	140.00	676.00	28.00	110.00	40.00	344.00
132	33X-44010-XX-XX	25 (32)	11.42 (5.18)	864.00	786.00	170.00	794.00	40.00	126.00	50.00	344.00
145	33X-54010-XX-XX	45 (60)	14.45 (6.55)	1,286.00	1,174.00	238.00	1,206.00	68.00	140.00	90.00	344.00
170	33X-64010-XX-XX	60 (80)	22.6 (10.25)	1,660.00	1,534.00	258.00	1,568.00	100.00	160.00	90.00	344.00
196	33X-74020-XX-XX	110 (150)	31.00 (14.06)	3,074.00	3,074.00	—	2,674.00	126.00	300.00	100.00	752.00
230	33X-84020-XX-XX	180 (240)	47.00 (21.32)	4,072.00	4,072.00	—	3,514.00	150.00	368.00	120.00	752.00
278	33X-94020-XX-XX	300 (400)	75.00 (34.02)	8,786.00	8,786.00	—	7,986.00	180.00	550.00	150.00	752.00

### 331 & 333 Series C-Face NO HOUSING Discount Symbol R3

Model Number	Size	Nominal Static Torque		NEMA Frame Size	Approximate Weight		List Price 333 torque adjust brake	List Price 331 without torque adjust
		Lb-Ft	Nm		Lbs	Kg		
3-3X-140F0-XX-XX	72	3	4	48C	2.76	1.25	\$554.00	\$516.00
3-3X-240F0-XX-XX	90	6	8	48C	4.48	2.03	604.00	566.00
3-3X-240G0-XX-XX	90	6	8	56C	5.24	2.38	604.00	566.00
3-3X-340G0-XX-XX	112	12	16	56C	8.02	3.64	826.00	750.00
3-3X-440G0-XX-XX	132	25	32	56C	12.66	5.74	1,112.00	1,034.00
3-3X-440H0-XX-XX	132	25	32	182TC-256TC	17.52	7.95	1460.00	1,382.00
3-3X-540G0-XX-XX	145	45	60	56C	16.14	7.32	2270.00	2,158.00
3-3X-540H0-XX-XX	145	45	60	182TC-256TC	20.55	9.32	2,382.00	2270.00
3-3X-640H0-XX-XX	170	60	80	182TC-256TC	28.70	13.02	3,710.00	3,584.00
3-3X-740H0-XX-XX	196	110	150	182TC-256TC	45.10	20.48	4,140.00	4,140.00
3-3X-740K0-XX-XX	196	110	150	324-365/404-405TC/TSC/UC/USC	72.30	32.79	4,858.00	4,858.00
3-3X-840H0-XX-XX	230	180	240	182TC-256TC	65.55	29.76	6,950.00	6950.00
3-3X-840K0-XX-XX	230	180	240	324-365/404-405TC/TSC/UC/USC	88.30	40.05	7,718.00	7,718.00
3-3X-940K0-XX-XX	278	300	400	324-365/404-405TC/TSC/UC/USC	140.00	63.50	9,130.00	9,130.00

### 33B & 33C Series C-Face with IP43 Enclosure Discount Symbol R3

Model Number	Size	Nominal Static Torque Lb-Ft (Nm)	NEMA Frame	Approximate Weight Lbs (Kg)	List Price 33C torque adjust	List Price 33B without torque adjust	Manual Release Adder
33X-141F0-XX-XX	72	3 (4)	48C	2.3 (1.0)	\$614.00	\$576.00	\$86.00
33X-241F0-XX-XX	90	6 (8)	48C	4.0 (1.8)	664.00	626.00	100.00
33X-241G0-XX-XX	90	6 (8)	56C	6.7 (3.0)	664.00	626.00	100.00
33X-341G0-XX-XX	112	12 (16)	56C	9.5 (4.3)	936.00	860.00	110.00
33X-441H0-XX-XX	132	25 (32)	182TC-256TC	20.14 (9.1)	1,610.00	\$1,532.00	\$126.00
33X-541H0-XX-XX	145	45 (60)	182TC-256TC	23.17 (10.5)	2620.00	2,508.00	140.00

### 33H & 33J Series C-Face with IP54 Enclosure Discount Symbol R3

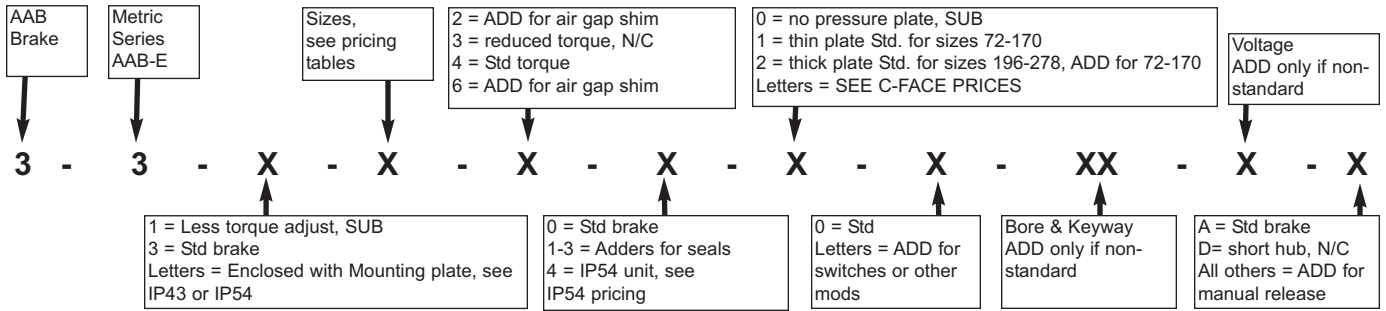
Model Number	Size	Nominal Static Torque Lb-Ft (Nm)	NEMA Frame	Approximate Weight Lbs (Kg)	List Price 33J torque adjust	List Price 33H without torque adjust	Internal Manual Release Adder
3-3X-144F0-XX-XX	72	3 (4)	48C	3.4 (1.54)	\$844.00	\$806.00	\$86.00
3-3X-244F0-XX-XX	90	6 (8)	48C	5.12 (2.32)	988.00	950.00	100.00
3-3X-244G0-XX-XX	90	6 (8)	56C	6.12 (2.78)	988.00	950.00	100.00
3-3X-344G0-XX-XX	112	12 (16)	56C	8.9 (4.04)	1,366.00	1,290.00	110.00
33X-444H0-XX-XX	132	25 (32)	182TC-256TC	19.84 (9.00)	2,358.00	2280.00	126.00
33X-544H0-XX-XX	145	45 (60)	182TC-256TC	22.87 (10.37)	3,676.00	3,564.00	140.00
33X-644H0-XX-XX	170	60 (80)	182TC-256TC	30.81 (14.03)	5,572.00	5,446.00	160.00

For sizes 196 thru 278 with C-Face and Housing, see Series 350 or Series 360

# 331 & 333 Series ARMATURE ACTUATED SPRING-SET BRAKES Model Number

Std = Standard brake feature, no adder. N/C = Modification which is "no charge"

ADD = Modification which you must add for (see adders under "Options" this page, or "Modifications" page 26. SUB = Subtract.



Num.	Description
1	No housing, No Torque Adjust
3	No housing, with Torque Adjust
B	Housing with Manual Release and conduit hole/no torque adjust
C	Housing with Manual Release and conduit hole/with torque adjust
H	With IP54/No torque adjust
J	With IP54/with torque adjust

Numeral	Unit Sizes
1	72
2	90
3	112
4	132
5	145
6	170
7	196
8	230
9	278

Numeral	Torque/Modification
2	Reduced Torque with Air Gap Shim
3	Reduced Torque
4	Standard
5	Holding
6	Std Torque with Air Gap Shim

Numeral/Alpha	Mounting Style
0	Less pressure plate
1	Thin pressure plate
2	Thick pressure plate
F	NEMA 48C
G	NEMA 56C
H	NEMA 180/210/250 TC
J	NEMA 280 TC/UC
K	NEMA 320/360/400 TC/UC

Numeral	Modifications
0	Standard

Table 1 - Hub Bores 333-14010- \* \* \* -EA

Bore (in)	Character to insert	Keyway Size*		Avaliable Bores Mag body												
		Width (in)	Depth (in)	72	90	112	132	145	170	196	230	278				
3/8	0V	3/32	3/64	std												
1/2	0K	1/8	1/16	std	std											
9/16	0N	1/8	1/16	non std	non std											
5/8	0B	3/16	3/32		std	std										
3/4	0C	3/16	3/32		non std	non std										
7/8	0D	3/16	3/32			std	std	std								
1	0L	1/4	1/8				non std	std	std							
1-1/8	0E	1/4	1/8					std	std	std						
1-1/4	0F	1/4	1/8							non std						
1-3/8	0G	5/16	5/32							std	std					
1-1/2	0M	3/8	3/16								std	std				
1-5/8	0H	3/8	3/16									std	std			
1-3/4	0I	3/8	3/16										std	std		
1-7/8	0J	1/2	1/4											std	std	
2	0L	1/2	1/4												non std	
2-1/8	0N	1/2	1/4												std	
Metric	Width (mm)	Depth (mm)	Metric Bores Supplied Without Set Screws													
11	11	4	4	std	non std	non std										
14	14	5	5	std	std	std	non std	non std								
15	15	5	5	non std	std	std	non std	non std	non std							
16	16	5	5		non std	non std	non std	non std	non std							
20	20	6	6		std**	non std	non std	non std	non std	non std	non std**					
22	22	6	6			std	non std	non std	non std	non std	non std					
24	24	8	7			std**	std	non std	non std	non std	non std					
25	25	8	7				std	non std	std	non std	non std	non std**	non std**			
28	28	8	7				non std**	non std	std	non std	non std	non std	non std			
30	30	8	7					std	std	std	std	std	std			
34	34	10	8					std**	non std	non std	non std	non std	non std			
35	35	10	8						non std	std	std	std	std			
38	38	10	8						std**	std	std	std	std	non std		
40	40	12	8							std	std	std	std			
42	42	12	8								non std	std	non std			
45	45	14	9								non std	std	std			
48	48	14	9									std**	non std	non std	non std	
49	49	14	9										non std	non std	non std	
50	50	14	9											std**	std	
55	55	16	10												std	
60	60	18	11												std	
70	70	20	12												std	

Numeral	Enclosure Type
0	Standard
1	Seal (Boot) Kit
2	Seal (Boot) and End Cap Plug
3	Seal (Boot) and Through-Shaft Seal

Table 2 - Coil Voltage 333-14010-14- \* A

Character to insert	Coil Voltage
E	24 VDC
B	414/432 VDC
J	90 VDC
K	103 VDC
L	180 VDC
M	205 VDC
S	258 VDC

Contact factory for non-standard coils. Add the following for non-std. coil voltage:  
 • Sizes 72 through 112 = \$188.00  
 • Sizes 132 through 170 = \$216.00  
 • Sizes 196 through 278 = \$308.00

Table 3 - Options 333-14010-14-E \*

Character to insert	Description/Options
A	Basic brake standard hub
C	Option A with manual release
J	Steel Hub for press fit applications
K	Steel Hub, non-maintained release
L	Internal manual release, non-maintained
R	Internal release, maintained



# 350 Series ARMATURE ACTUTATED SPRING-SET BRAKES

## Unit Pricing (Discount Symbol R5)

Size	NEMA Frame	Nominal Static Torque		Part Number		Weight/lbs		Max RPM	Thermal Capacity Hp-Sec/Min	List Price	Options				
		lb-ft	Nm	Ductile Cast Iron	Aluminum Cover	Ductile Iron	Aluminum				Electronic Brake Release Indicator*	Space Heater	Terminal Strip	IP56 Conduit Box	IP67 Conduit Box
196	182TC-256TSC	75	102	351-734HX-XX-XX	355-734HX-XX-XX	-	103	1800	22	\$8,532.00	\$660.00	\$416.00	\$240.00	\$410.00	\$720.00
196	182TC-256TSC	110	150	351-744HX-XX-XX	355-744HX-XX-XX	-	103	1800	22	8,932.00	660.00	416.00	240.00	410.00	720.00
196	284TC-286TSC	110	150	351-744JX-XX-XX	355-744JX-XX-XX	-	103	1800	22	9,330.00	660.00	416.00	240.00	410.00	720.00
196	324TC-405TSC	110	150	351-744KX-XX-XX	355-744KX-XX-XX	134	128	1800	22	9,732.00	660.00	416.00	240.00	410.00	720.00
230	284TC-286TSC	180	240	351-844JX-XX-XX	355-844JX-XX-XX	208	178	1800	28	9,818.00	660.00	416.00	240.00	410.00	720.00
230	324TC-405TSC	180	240	351-844KX-XX-XX	355-844KX-XX-XX	208	178	1800	28	10,418.00	660.00	416.00	240.00	410.00	720.00
278	324TC-405TSC	300	400	351-944KX-XX-XX	355-944KX-XX-XX	219	189	1800	30	13,210.00	660.00	416.00	240.00	410.00	720.00

### Ordering Information

Part number example: 355-744JCEA

Group "3" Armature Acting Brake  
(Direct acting with a DC Coil)

Mounting Design	
Numeral	Design
5	Pressure Plate Mount

Numeral	Brake Cover Type
1	Ductile Iron
5	Aluminum

Numeral/Alpha	Magnet Body Size	Torque lb-ft
7	196	110
8	230	180
9	278	300

Torque/Modification	
3	Reduced Torque
4	Standard Torque

Options Table 3

Voltages - Table 2

Hub bore and keyset - Table 1

Additional Options	
Standard Brake	0
Space Heater 115	1
Space Heater 230	2
Space Heater 460	3
Brake release indicator NO/NC	4
Brake release indicator NO/NC Space Heater 115	5
Brake release indicator NO/NC Space Heater 230	6
Brake release indicator NO/NC Space Heater 460	7

Table 1 - Hub Bores

NOTE: See page 96 of catalog for recommended minimum bore sizes by torque

Character to insert	Bore	Keyway Size*		Bores Available		
		Width (in.)	Depth (in.)	196	230	278
0G	1.375	5/16	5/32	X		
0M	1.500	3/8	3/16	X		
0H	1.625	3/8	3/16	X	X	
0I	1.750	3/8	3/16		X	
0J	1.875	1/2	1/4		X	X
0L	2.000	1/2	1/4			X
0N	2.125	1/2	1/4			X
Metric	Bore	Width	Depth	196	230	278
20	20	—	—	X		
30	30	8	7	X	X	X
35	35	10	8	X	X	
38	38	10	8	X	X	
40	40	12	8	X	X	X
42	42	12	8	X	X	
45	45	14	9	X	X	X
48	48	14	6	X		
50	50**	14	6**		X	
50	50	14	9			X
55	55	16	10			X
60	60	18	11			X
70	70	20	12			X

Numeral	Enclosure
4	IP 56 (standard)
E	IP 56 conduit box with terminal strip*
G	IP56 conduit box*
H	IP67 conduit box* with terminal strip
M	IP67 conduit box*

\*Specify F1 or F2 location for conduit box modification

Table 2 - Coil Voltage

Character to Insert	Coil Voltage	Current Rating		
		196	230	278
E	24 Vdc	3.30	4.27	3.85
J	90 Vdc	.82	1.05	1.19
K	103 Vdc	.75	.96	1.08
L	180 Vdc	.42	.54	.61
M	205 Vdc	.38	.49	.56
B	414/432 Vdc	.24	.26	.28

Other voltages available - consult factory

Mounting/Size	
NEMA 180/210/250 C-face	H
NEMA 280 C-face	J
NEMA 320/400 C-face	K
NEMA 440 C-face Mt*	L
NEMA 500 C-face Mt*	M
IEC 132 C-face Mt*	S
IEC 160 C-face Mt*	T
IEC 132 D-face Mt*	U
IEC 160 D-face Mt*	V
IEC 180 D-face Mt*	W
IEC 200 D-face Mt*	X
IEC 225 D-face Mt*	Y

\*Contact factory for pricing on these mounting options

Table 3 - Additional Options

No manual release	A
Maintained release (standard)	R
External Non-Maintained (deadman) and Maintained Manual Release	S

\*Standard U.S. keyseats made to ANSI B17.1 standard.  
Standard metric keyseat DIN 6885/1 p9.

\*\*Keyseat to DIN 6885/3 p9.

# 360 Series ARMATURE ACTUATED SPRING-SET BRAKES

## Unit Pricing (Discount Symbol R5)

Size	NEMA Frame	Nominal Static Torque		Model Number	Approx weight lbs.	List Price	External Maintained/Deadman Manual Release	Brake Release Indicator	Space Heater	Terminal Strip	IP-56 Conduit Box	IP-67 Conduit Box
		lb-ft	Nm									
170	182-256TC	35	47	3-61-634H0	101	\$6,390.00	\$500.00	\$660.00	\$416.00	\$240.00	\$410.00	\$720.00
170	182-256TC	60	80	3-61-644H0		6,790.00	500.00	660.00	416.00	240.00	410.00	720.00
170	284-286TC	60	80	3-61-644J0		7,190.00	500.00	660.00	416.00	240.00	410.00	720.00
196	182-256TC	75	102	3-61-734H0	120	8,532.00	600.00	660.00	416.00	240.00	410.00	720.00
196	182-256TC	110	150	3-61-744H0		8,932.00	600.00	660.00	416.00	240.00	410.00	720.00
196	284-286TC	110	150	3-61-744J0		9,330.00	600.00	660.00	416.00	240.00	410.00	720.00
230	284-286TC	180	240	3-61-844J0	176	9,818.00	600.00	660.00	416.00	240.00	410.00	720.00
230	324TC/364-365TC	180	240	3-61-844K0		10,418.00	600.00	660.00	416.00	240.00	410.00	720.00
278	324TC/364-365TC	300	400	3-61-944K0	243	13,210.00	600.00	660.00	416.00	240.00	410.00	720.00
278	444TC	300	400	3-61-944L0		13,830.00	600.00	660.00	416.00	240.00	410.00	720.00

## Ordering Information

Part number example: 361-744JCOMES

Group "3" Armature Acting Brake  
(Direct acting with a DC Coil)

Mounting Design	
Numeral	Design
6	Magnet Body Mount

Numeral	Brake Cover Type
1	Ductile Iron

Numeral/Alpha	Magnet Body Size	Torque lb-ft
6	170	60
7	196	110
8	230	180
9	278	300

Torque/Modification	
Numeral	Modification
3	Reduced Torque
4	Standard Torque

Options Table 3

Voltages - Table 2

Hub bore and keyset - Table 1

Additional Options	
Standard Brake	0
Space Heater 115	1
Space Heater 230	2
Space Heater 460	3
Brake release indicator Switch NO/NC	4
Brake release indicator NO/NC Space Heater 115	5
Brake release indicator NO/NC Space Heater 230	6
Brake release indicator NO/NC Space Heater 460	7

Mounting/Size	
NEMA 180/210/250 C-face	H
NEMA 280 C-face	J
NEMA 320/400 C-face	K
NEMA 440 C-face Mt*	L
NEMA 500 C-face Mt*	M
IEC 132 C-face Mt*	S
IEC 160 C-face Mt*	T
IEC 132 D-face Mt*	U
IEC 160 D-face Mt*	V
IEC 180 D-face Mt*	W
IEC 200 D-face Mt*	X
IEC 225 D-face Mt*	Y

\*Contact factory for pricing on these mounting options

Table 1 - Hub Bores

Character to insert	Bore	Keyway Size*		Bores Available			
		Width (in.)	Depth (in.)	Unit Size			
				170	196	230	278
0E	1.125	1/4	1/8	X			
0F	1.250	1/4	1/8	X			
0G	1.375	5/16	5/32	X	X		
0M	1.500	3/8	3/16	X	X		
0H	1.625	3/8	3/16	X	X	X	
0I	1.750	3/8	3/16		X	X	
0J	1.875	1/2	1/4		X	X	X
0L	2.000	1/2	1/4			X	X
0N	2.125	1/2	1/4				X
0R	2.375	5/8	5/16				X
Metric	Bore	Width	Depth	170	196	230	278
30	30	8	7	X	X		
35	35	10	8	X	X	X	
38	38	10	8	X	X	X	
40	40	12	8	X	X	X	X
42	42	12	8		X	X	
45	45	14	9		X	X	X
48	48	14	6		X	X	X
50	50	14	9			X	X
55	55	16	10				X
60	60	18	11				X

\*Standard U.S. keyseats made to ANSI B17.1 standard.  
Metric keyseats to DIN 6885/1 p9.

Numeral	Enclosure
4	IP 56 (standard)
E	IP 56 conduit box with terminal strip*
G	IP56 conduit box*
H	IP67 conduit box* with terminal strip
M	IP67 conduit box*

\*Specify F1 or F2 location for conduit box modification

Table 2 - Coil Voltage

Character to Insert	Coil Voltage	Current Rating			
		170	196	230	278
E	24 Vdc	2.80	4.27	3.85	3.85
J	90 Vdc	.70	1.05	1.19	1.19
K	103 Vdc	.80	.96	1.08	1.08
L	180 Vdc	.36	.54	.61	.61
M	205 Vdc	.41	.49	.56	.56
S	258 Vdc	.33	.34	.40	.44
B	414/432 Vdc	.22	.26	.28	.28

Other voltages available - consult factory

Table 3 - Additional Options

No Manual Release	A
Maintained Release	R
External Non-Maintained (deadman) and Maintained Manual Release	S

# 321/322 NEMA C Series ARMATURE ACTUATED SPRING-SET BRAKES

## Unit Pricing (Discount Symbol R2)

Motor Frame	321 Series Model Number	Nominal Static Torque Lb-ft (Nm)	List Price		322 Series Model Number	List Price		Approx. Weight	
			Standard Brake	With manual release		Standard Brake	With manual release	lbs	kg
48C	3-21-83XF	1.5 (2)	\$720.00	\$780.00	3-22-83XF	\$976.00	\$1,036.00	9.5	4.3
	3-21-84XF	3 (4)	720.00	780.00	3-22-84XF	976.00	1,036.00		
	3-21-85XF	6 (8)	764.00	824.00	3-22-85XF	1018.00	1078.00		
56C	3-21-93XG	3 (4)	\$896.00	\$976.00	3-22-93XG	\$1080.00	\$1,160.00	23	10.4
	3-21-94XG	6 (8)	1090.00	1,170.00	3-22-94XG	1262.00	1,342.00		
	3-21-95XG	10 (14)	1266.00	1,346.00	3-22-95XG	1428.00	1,508.00		
	3-21-96XG	15 (20)	1430.00	1,510.00	3-22-96XG	1,582.00	1,662.00		
	3-21-98XG	25 (34)	1642.00	1,722.00	3-22-98XG	1,780.00	1,860.00		

## Ordering Information

Group "3" Armature Actuated Brakes ——— 3-2X-XXXX0-XX-XX — Options – Table 3  
 Series = 321 or 322 ———

Character	NEMA frame
8	48C
9	56C

Options = 8th digit	Modification Description	List Price Adder	
		48C	56C
0	Standard brake	-	-
S	Carrier ring friction disc	\$200.00	\$300.00

48C	
Torque = 5th digit	Nominal Static Torque Lb-ft (Nm)
3	1.5 (2)
4	3 (4)
5	6 (8)

Mounting = 7th digit	NEMA frame size
F	48C
G	56C

56C	
Torque = 5th digit	Nominal Static Torque Lb-ft (Nm)
3	3 (4)
4	6 (8)
5	10 (14)
6	15 (20)
8	25 (34)

Lead location & options = 6th digit	Description	List Price Adder	
		48C	56C
0	External leads	-	-
6	External leads & through shaft	\$344.00	\$344.00
A	Internal leads	-	-
C	Internal leads & through shaft	\$344.00	\$344.00
T	External leads & torque adjust	\$140.00	\$180.00
V	External leads, torque adjust & through-shaft	\$484.00	\$524.00
X	Internal leads & torque adjust	\$140.00	\$180.00
Z	Internal leads, torque adjust & through-shaft	\$484.00	\$524.00

Table 1: Bore Sizes

Character to insert	Bore	Keyway	Bores Available
0B	5/8	3/16 x 3/32	48C & 56C
0D	7/8	3/16 x 3/32	56C only

Other bore sizes available. Add \$252.00 for non-standard bore sizes.

Table 2: Standard Coil Voltage

Character to Insert	Voltage	List Adder	Current Rating in Amps	
			48C	56C
C	12 Vdc	-	1.72	2.44
E	24 Vdc	-	.874	1.26
G	48 Vdc	-	.445	.647
J	90 Vdc	-	.268	.393
V	115 Vac Internal QuickSet	\$160.00	.25	.40
W	230 Vac Internal QuickSet	\$160.00	.25	.40

Other voltages available. Add \$188.00 for non-standard voltage.

Table 3: Options

Characters to Insert	Options
A	Standard Brake With Maintained Manual Release
G	

## AAB Modification List Price Adders

Modification Description	Brake Series	List Price Adder
Non-Standard Bore Size	310/311	\$ 120.00
	320/321/322	64.00
	333/350/360 Size 72-132	252.00
	333/350/360 Size 145-196	296.00
	333/350/360 Size 230-278	592.00
Non-Standard DC voltage	310/311/320/321/322	40.00
	333/350/360 Size 72-132	188.00
	333/350/360 Size 145-196	216.00
	333/350/360 Size 230-278	308.00
AC Voltage/Rectifiers 115 or 230 Vac In-Line Rectifier	310/311/ 320/321/322	50.00
	333	92.00
	Note: Separate rectifiers are available for Series 333/350/360. See page 27.	
AC Internal Rectifiers 115 or 230 Volt	320/321/322	\$ 30.00
Non-Standard Coil Lead Length	310/311/320/321/322	\$ 20.00
	333/350/360	92.00
Brake Release Indicator Switch (Mechanical)	320/321/322	80.00
Brake Release Indicator Switch (Electronic)	333 /350/360	660.00
Boot (Band Seal)	320 Size 1.8 and 2.0	16.00
	320 Size 2.8	22.00
	333	See page 22
Carrier Ring Friction Disc	320/321/322	\$ 20.00
Encoder/Tachometer Mount	310/ 320/321/322	80.00
	333 Size 72-170	876.00
	333 Size 196-278	1,288.00
	350 /360 Size 170	1,628.00
	350/360 Size 196-278	2,040.00
Conduit Box	333/350/360	410.00
Terminal Strip	333/350/360	240.00
Space Heater	350/360	416.00
<b>Manual Release</b>		
Maintained Release Handle OR Non-Maintained Pull Release	320/321/322 size 1.2	50.00
	320/321/322 sizes 1,8, 2.0, 2.8	60.00
Non-Maintained Release, External Lever	333	See page 22
Maintained Release Bolts	333	See page 22
Internal Maintained Release Bolts	350/360	Standard
External Non-Maintained/Maintained Release Lever	360 Size 170	\$ 500.00
	360 Size 196-278	600.00

## ARMATURE ACTUATED SPRING-SET BRAKES AC Rectifiers (Discount Symbol R3)

Part Number	List Price	Input Voltage, AC	Output Voltage, DC	Type	Maximum Current In Amps	Connection	Mounting
412029101K	\$92.00	115/230	103/207	Full wave	.8	ac leads dc terminal block	Tape
412029201K	\$140.00	115/230	103/207	Full wave	1.6	terminal blocks	Tape
412029203K	\$140.00	115/230	103/207	Full wave	1.6	leads	Tape
412029011K	\$184.00	230	207	Full wave TOR-AC	.6	terminal blocks	Tape
412029601K	\$240.00	230	207	Full wave QUICKSET	.6	terminal blocks	Flange
412029301K	\$960.00	230	207 O/E* 103 SUSTAINING	QuickSet/Quick Release	2.0 1.0	terminal blocks	Flange
412059101K	\$92.00	400-575	180-259	Half Wave	.8	terminal blocks	Tape
412059103K	\$92.00	400-575	180-259	Half Wave	.8	leads	Tape
412049301K	\$92.00	400-460	180-207	Half Wave	.8	terminal blocks	Flange
412049101K	\$180.00	115/230/460/575	50/103/207 259/414/517	Combination Full and Half Wave	.8	terminal blocks	Tape
412049202K	\$184.00	460	414	Full Wave TOR-AC	.3	terminal blocks	Tape
412049203K	\$184.00	460	414	Full Wave TOR-AC	.3	leads	Tape
412049401K	\$184.00	460	207	Half Wave TOR-AC	.3	leads	Tape
412049402K	\$184.00	460	207	Half Wave TOR-AC	.3	terminal blocks	Tape
412049204K	\$204.00	460	414	Full Wave TOR-AC	.3	terminal blocks	Flange
412049702K	\$340.00	460	207	Half Wave TOR-AC	.6	terminal blocks	Tape
412049801K	\$240.00	460	414	Full Wave QuickSet	.6	terminal blocks	Flange
412049811K	\$240.00	460	207	Half Wave QuickSet	.6	terminal blocks	Flange
412049601K	\$960.00	460	414 O/E* 207 SUSTAINING	QuickSet/Quick Release	1.0 .5	terminal blocks	Flange
412059811K	\$240.00	575	258	Half Wave QuickSet	.6	terminal blocks	Flange & Tape

\*O/E = overexcitation

