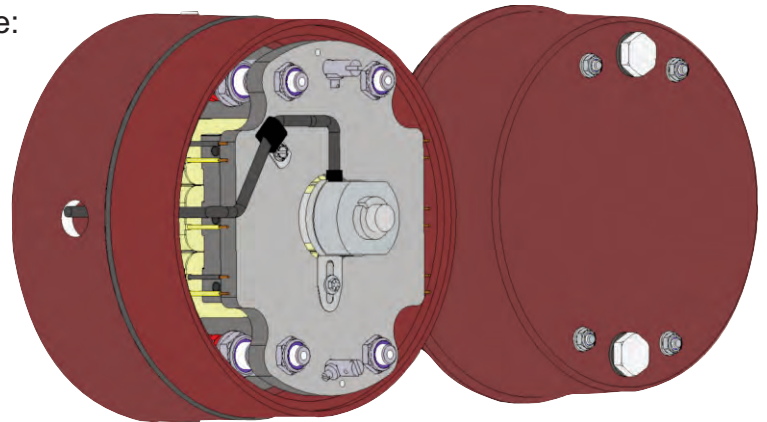


SMART BRAKE with Internal Encoder

Dings' **SMART BRAKE** combines the ruggedness of a Dings electromagnetic spring set brake with an encoder that meets the requirements of your applications. The sealed hollow shaft encoder is protected within the 60, 70, 80 and 90 Series end mount brakes.

Applications for the **SMART BRAKE** include:

- Crane and Hoist
- Ship Board Capstans and Winches
- Communication Satellite Dish
- Paper and Pulp Process Equipment
- Mining Equipment
- Oil Platforms and Riggings
- Elevators/Escalators
- Petrochemical/Chemical Processing



Brake Specifications:

60 Series Brakes

Motor Horsepower Range: 1/2hp to 5hp
Torque Range: 1.5 lb-ft to 25 lb-ft
Frame Size: 56C and 143TC/145TC
Enclosure Types: NEMA 2, 4, and 4X

70 Series Brakes

Motor Horsepower Range: 3hp to 25hp
Torque Range: 10 lb-ft to 75 lb-ft
Frame Size: 182TC/184TC, 213TC/215TC,
and 254TC/256TC
Enclosure Types: NEMA 2, 4 and 4X

80 Series Brakes

4 Post Design (Heavy Duty)
Motor Horsepower Range: 5hp to 50hp
Torque Range: 25 lb-ft to 175 lb-ft
Frame Size: 284TC/286TC
Enclosure Types: NEMA 2 and 4

90 Series Brakes

Heavy Duty Brake
Motor Horsepower Range: 50hp to 150hp
Torque Range: 125 lb-ft to 450 lb-ft
Frame Size: 324TC/326TC - 404TC/405TC
Enclosure Types: NEMA 2 and 4

Encoder Specifications:

Encoder Products Company Model 260

Tether Mounted for Maximum Encoder Life
Shaft Seals for Environment Protection
Resolution: 1024 PPR standard, other ratings available
Format: Quadrature A&B with index
Input Voltage: 4.75 min. to 16VDC at 100mA max.
Enclosure Rating: IP50
Connector/Termination: Sealed
6' length standard, other lengths
and connectors available
Operating Temperature: 0 to 100°C

Other encoders are available, contact factory for details.

**Call Dings Company
to Discuss Your
SMART BRAKE
Application**

Product Overview

40 Series



Small AC and DC Motors
Torque Ratings: 3/8 and 3/4 lb-ft
Enclosure Type: NEMA 2, IP40

50 Series



Motor frame 48C
Torque Ratings: 1.5, 3 & 6 lb-ft
Enclosure Type: NEMA 2, IP40
Manual Release: Non-maintained

60 Series - 5600 Style End Mount



Motor frame 56C & 143TC/145TC
Torque Ratings: 1.5 through 15 lb-ft
Enclosure: NEMA 2, IP40;
Manual Release: Maintained/auto reset

60 Series End Mount



Motor frame 56C & 143TC/145TC
Torque Ratings: 1.5 through 25 lb-ft
Enclosure:
NEMA 2, IP40;
NEMA 4, IP56;
NEMA 4X, IP56 Washdown
NEMA 4X, IP56 Washdown in
Stainless Steel
Hazardous Location Brake Available
Manual Release: Maintained/auto reset

60 Series Double C face Coupler



Motor frame 56C & 143TC/145TC
Torque Ratings: 1.5 through 20 lb-ft
Enclosure:
NEMA 2, IP40;
NEMA 4, IP56;
NEMA 4X, IP56 Washdown
NEMA 4X, IP56 Washdown in
Stainless Steel
Manual Release: Maintained/auto reset

1-70 Series End Mount



Motor frame 182TC/184TC;
213TC/215TC; 254TC/256TC
Torque Ratings: 1.5 through 25 lb-ft
Enclosure Type: NEMA 2, IP40
Manual Release: Maintained/auto reset

70 Series End Mount



Motor frame 182TC/184TC; 213TC/215TC; 254TC/256TC
Torque Ratings: 10 through 105 lb-ft
Enclosure Type:
NEMA 2, IP40;
NEMA 4, IP56;
NEMA 4X, IP56 Washdown
Hazardous Location Brake Available
Manual Release: Maintained/auto reset

70 Series Double C face Coupler



Motor frame 182TC/184TC; 213TC/215TC;
254TC/256TC
Torque Ratings: 10 through 105 lb-ft
Enclosure:
NEMA 2, IP40;
NEMA 4, IP56;
NEMA 4X, IP56 Washdown
Manual Release: Maintained with auto reset

80 Series



Motor frame 284TC/286TC
Torque Ratings: 25 through 175 lb-ft
Enclosure Type:
NEMA 2, IP40;
NEMA 4, IP56
Manual Release: Maintained with auto reset

90 Series



Motor frame 324TC/326TC; 364TC/365TC;
404TC/405TC
Torque Ratings: 180 through 450 lb-ft
Enclosure Type:
NEMA 2, IP40
NEMA 4, IP56
Manual Release: Maintained with auto reset



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