



EMTorq introduces their newest product

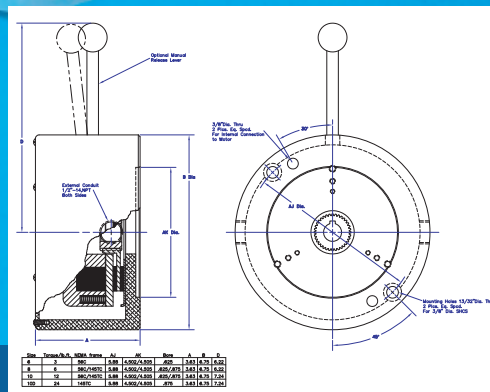
A spring set brake for NEMA motors.

The direct acting design insures a reliable safe stop.

The brake is designed for tough repetitive cycling.

It easily mounts to a prepared motor endbell.

Metric/IEC mounting is also available.



SIZE SELECTION

Compute the torque requirement and choose the related size for applications involving low inertia and low cycling frequency by using the following formula and applying the appropriate safety factor:

$$\text{Torque (Nm)} = 9550 \times (\text{kW/RPM})$$

SAFETY FACTOR (K)

Multiply the calculated torque requirement by the appropriate safety factor (K). The value of the safety factor depends on the operating conditions (i.e. vertical hoist loads):

Low masses, equal loading & non-intermittent operation: (2.0).

Low masses, light shock load & intermittent operation: (2.5).

Medium masses, light shock load & intermittent operation: (3.0).

Large masses, strong shock load & intermittent operation: (4.0).

Non-overhauling loads: (2-3).

Overhauling loads: (3-4).

Diesel engine drive: (4-5).

Compressor drive: (5-6).

It is recommended you make a detailed calculation for your application.

OTHER EMTorq PRODUCTS



Flange Mounted Brakes

(normally off)

Type 41.112 & 41.115

Torque up to 2500 Nm



Flange and Shaft Mounted Clutches

(normally off)

Type 41.102 & 41.105

Torque up to 800 Nm



Flange Mount and Foot Mounted Clutch-Brake Combinations

Type 41.800 & 41.125

Torque up to 2500 Nm

These products must run dry. Oil, grease, foreign materials and similar such contaminants will affect life and the characteristics of friction materials. No general statement can be made about life of friction materials.



A Division of Torque Technologies
1623 W. University Parkway
Sarasota, FL 34243

Phone: 941-358-9447

Fax: 941-358-9647

E-mail: sales@emtorq.com

www.emtorq.com