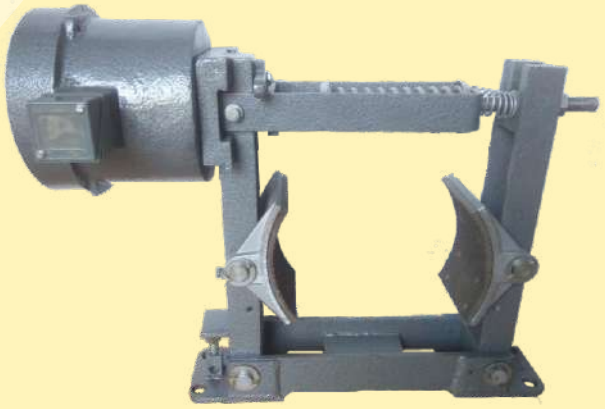
D.C.E.M BRAKES (DM 300)

INTRODUCTION

DC Electro-Magnetic shoe brakes are actuated by an energy stored in the compression spring and is released by a DC electromagnet. Thus , the brake is fail-safe and is normally (applied).The DC magnet coil, when energized releases the brake. These brakes are characterized by robust construction and design. These are especially suited for Steel Mills, Hoists and Elevators.



TORQUE RATINGS

BRAKE TYPE	DRUM DIA.	Breaking torque kgm	
		40% Duty	100% Duty
DM 100	100	02	1.00
DM 150	150	10	7
DM 160	160	10	7
DM 200	200	12.5	10
DM 250	250	35	22
DM 300	300	50	25
DM 400	400	120	80
DM 500	500	190	110
DM 600	600	355	195

FEATURES

- Robust construction and simple design.
- Reliable breaking action.
- Efficient transmission of forces
- Ease of maintanance
- Ease of torque adjustment.
- Brake shoe replacement without dismantling.
- Magnet housing is of dust proof construction.

BRAKE SELECTION

The brake torque must be => than motor full load as referred with drum. Formula as below:

T = Torque in Kgm = $\frac{716 \times Hp}{rpm}$

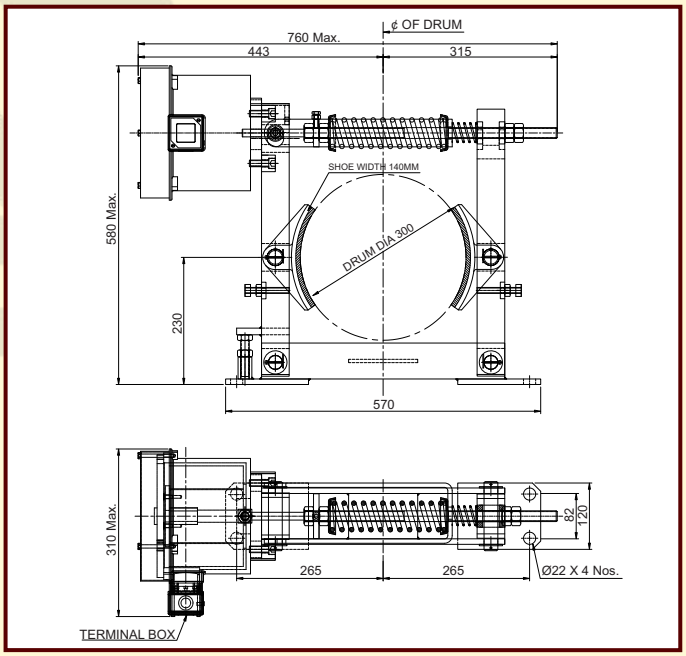
T = Torque in Nm = $\frac{9552 \times Kw}{rpm}$

Where Hp/Kw = motor output & rpm = Rev/minute

TECHNICAL SPECIFICATION

MODEL	DM-300
ITEM CODE	100900060001
DRUM DIA. (MM)	300
BREAKING TORQUE (KGM)	50
STROKE (MM)	3
VOLTAGE INPUT	415V AC through rectifier
INRUSH VOLTAGE	350VDC
HOLDING VOLTAGE	110VDC
OPERATING TEMPERATURE	-30°+ 50°C
COIL	Copper wire epoxy resin encapsulated
RATING	Continuous
NO OF OPERATIONS	720/hr
INSULATION	H Class
WEIGHT (KG)	94

G.A. DRAWING



H. O. Unit -I : C-15/16, Nand Jyot Industrial Estate, Andheri-Kurla Road, Mumbai - 400072 ,
Tel : (022) 42469700/730
E-mail : sales@socgroup.in

Unit - II: Plot No. 4912, G. I. D. C., Phase IV, Vatva,
Ahmedabad - 382445
Tel.: (079) 68169700/702/712
E-mail : enquiry2@socgroup.in

Visit us at :
www.speedocontrols.com
www.socremote.com
www.socjoystick.com

SPEED-O-CONTROLS PVT. LTD.

CRANE CONTROL GEAR