

## Introduction

Thruster Brake is a device to retard the speed of moving machinery and to stop it accurately to the desired position. The breaking force is applied to the brake shoes by a pre-stressed compression spring.

The shoes press on the rotating brake drum retarding its speed, and finally stopping it. Other release devices like pneumatic / hydraulic cylinder or manual release arrangements can be offered on request.

## Technical Data

Item	Brake	Thruster
Model	MDT-150-18	ST-520
Thruster Capacity	-	18 Kg
Drum Dia.	150 mm	-
Breaking Torque	9 Kg-m	-
Stroke	-	51 mm
Oil Capacity	-	2 Litres
Rated Voltage	-	415 VAC, 3 Ph
Ingress protection	-	IP 44 ( IS/IEC -60529(2001)
Operating Temperature	-	+40°C
Weight	6 Kg	6 Kg
Current at 415 VAC	-	0.25 Amps
No. of Start	-	720/hr



## Thruster Specifications

Electo-hydraulic thruster is a device which develops linear thrust (or force) required to operate the required mechanism. The input to the device is three phase supply. The thrusters are widely used to actuate Thruster shoe Brakes, commonly used in material handling machines. Thruster in various models develop 15 kg to 295 kg. In stroke lengths of 51 mm, 76 mm & 127 mm. Thruster should be mounted with in  $\pm 10^\circ$  from vertical. Working fluid-Transform oil to BS 148.

