

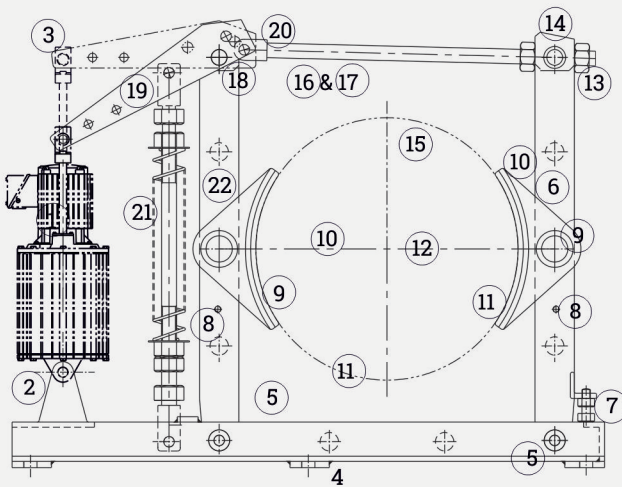
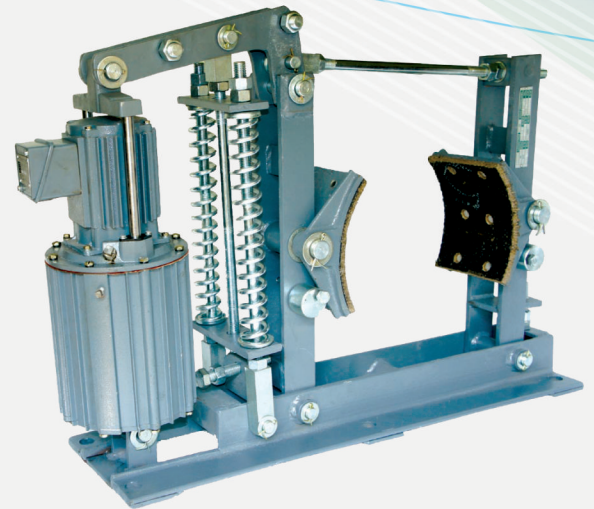
# MDT 500-46

## Mill Duty Thruster Brake

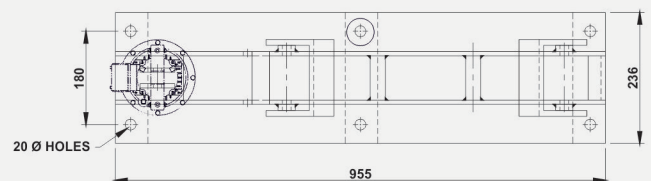
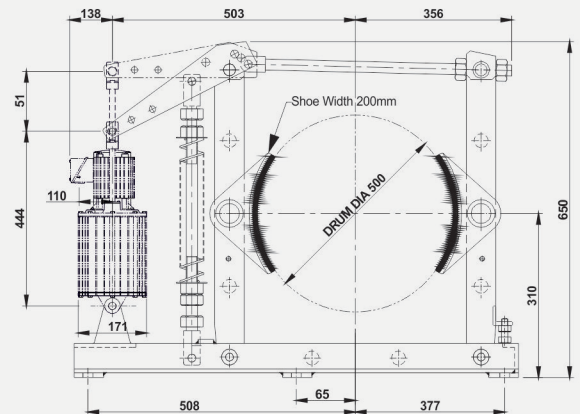
### Introduction

Thruster Brake is a device to retard the speed of moving machinery and to stop it accurately to the desired position. The braking 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.



- |                                     |                                       |
|-------------------------------------|---------------------------------------|
| 1. Thruster assembly                | 13. Tie-rod adjustment nut & lock-nut |
| 2. Thruster Hinge pin (lower)       | 14. Swivel Block                      |
| 3. Thruster Hinge Pin (Brake lever) | 15. Tie rod or, connecting rod        |
| 4. Base Plate                       | 16. Swivel block for lever            |
| 5. Foundation bolt holes            | 17. Tie rod Hinge pin                 |
| 6. Side Arm                         | 18. Lever hinge pin                   |
| 7. Side Arm stopper screw           | 19. Lever                             |
| 8. Shoe adjusting screw             | 20. Brake Torque Adjustment nuts      |
| 9. Shoe hinge pin                   | 21. Compression Spring                |
| 10. Brake shoe                      | 22. Main Arm                          |
| 11. Brake liner                     |                                       |
| 12. Brake Drum (User's supply)      |                                       |



| Brake Model  | Item Code    | Brake Drum Dimension (mm) | Braking Torque (kg-m) | Thruster Details |                    | Stroke (mm) | Supply Volts At 50 Hz (V) | Oil Capacity (Litres) | * Mass (kg) |
|--------------|--------------|---------------------------|-----------------------|------------------|--------------------|-------------|---------------------------|-----------------------|-------------|
|              |              |                           |                       | Model            | Lifting Force (kg) |             |                           |                       |             |
| MDT - 500/46 | 100100081001 | 500                       | 190                   | ST 545           | 46                 | 50          | 415                       | 2.5                   | 125         |

Supply Voltage 380/480/550/690V available on request

(\* without thruster)



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