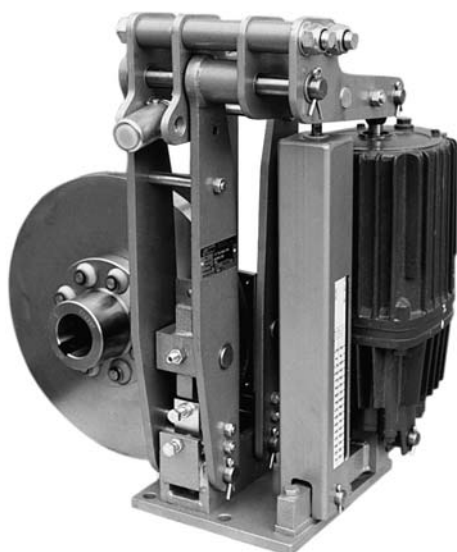


# Disc brakes

## Series RST for thruster



### Function

- spring applied
- thruster released
- braking torque adjustable
- in case of power failure the brake applies (fail-safe-principle)

### Construction

- brake spring and thruster arranged laterally
- brake force arms with double web and externally arranged bearing

### Special characteristics of the RST series brake

- high braking torque adjustable up to 20000 Nm
- high sliding speed up to 80 m/s possible
- only 3 sizes of brakes to accommodate the full range of discs from 315 to 1250 mm diameter
- brake force arms with double web and externally located bearings guarantee a high lateral stability of the brake
- readjustable limit stops enable a constant air gap at the brake linings
- increased safety due to low stressed connecting rods
- easy adjustment of the brake even under adverse operating conditions due to rod threads being enclosed
- all bolts made of stainless steel and all pivoting points lined with self-lubricating bushes, this increases the reliability of operation and the life of the brake; all standard parts are galvanized
- the brake spring is contained in a vertical box sectioned chamber protecting the spring against damage and contamination; the box section is provided with a setting window and a graduated scale indicating the values of the braking torque
- simple adjustment of the braking torque by turning the dome headed nut
- replacement of the brake linings without dismantling the brake is possible
- asbestos-free organic brake linings type 801 with friction value of 0.4 are bonded to a steel sheet for sliding speeds up to 60 m/s; type 755 manufactured from sintered metal with friction value of 0.4 for sliding speeds up to 80 m/s; 0.3 friction value of linings are available as an option
- paint finish: under coat and top coat colour: mignonette-green RAL 6011

### Options and accessories:

- compensation shims
- other releasing devices
- optional equipment for release
- automatic wear adjustment AWA
- alternative brake lining qualities
- bearings with regreasing facility
- limit switches indicating:
  - the applying or/and releasing position of the brake
  - the brake lining wear

### Please state in your order:

- number of RST brake assemblies required
- brake size, disc size and thickness, thruster
- with or without automatic wear adjustment
- friction value (standard 0.4)
- required braking torque (if known; otherwise, please provide full details shown on page headed "Brake Operating Criteria")
- operating voltage of the thruster (standard 230/400 V, 50 Hz)

### Example for an order:

6 pieces RST 2 – 630 × 30 – 80/6 with AWA,  
friction value 0.4–2400 Nm  
with Elhy EB 800 – 60 – 230/400 V, 50 Hz

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**SHB Saalfelder**  
**Hebezeugbau GmbH**  
**Unternehmensbereich Komponenten**

Telephone: (0049) 3671 44 1341  
44 1342  
Fax: (0049) 3671 44 1343