

# Katesl

BRAKES | VALVES | PADS



Precise | Reliable | Safe



BRAKES | VALVES | PADS



There are higher demands on both Active Brakes and Passive Brakes than any other parts of a equipment and it is very much necessary for the brake to operate even if all other components fail, hence selecting a brake is always a question of safety.

First developed in the year 1984 and since then developed continuously by Kateel Engineering Industry (P) Ltd. Our brakes represent the most experienced and well proven braking technology in the Globe today.

Kateel brakes are available in Hydraulic, Pneumatic and Mechanical version both Active and Failsafe. Kateel brakes range of High Quality brakes offers equipment designer, a system of braking, meeting the highest demands and requirements of safety and reliability of small and large braking applications and multifunction service braking for wide range of applications with integrated precise brake control, offers the ultimate braking technology of today in the Globe.

**“KATEEL BRAKES”** Quality assurance systems confirms to ISO 9001-2008.

Kateel Fail Safe Disc Brakes are approved in the globe for use in Cable Machines, Wind Turbines, Steel Industry, Textile Industry, Test Rigs, Mining, Conveyor, Cranes, Rope Ways, Winches, Hydro Turbines, Tyre Machinery and More.

An ISO 9001 - 2008 Certified Company





Hydraulic Disc Brake (Fail Safe / Active) - Dual Spring



Hydraulic/Pneumatic Active Disc Brake



Hydraulic Fail Safe Disc Brake

Thousands of Kateel Disc Brake and Drum Brake Units are installed during the last 3 decades giving proven safety and reliability.

Kateel's Experienced Engineers are always available for advice on both brake selection and system design to suit the requirement of customer.

Kateel has in-house production capabilities to manufacture brake pads in both Organic and Sintered Materials and can cater to customer requirements.

### OUR RANGE OF DISC AND DRUM BRAKES

1	Pneumatic Active Disc Brakes	Air Applied- Spring Released
2	Pneumatic Failsafe Disc Brakes	Spring Applied- Air released
3	Hydraulic Active Disc Brakes	Hydraulically Applied - Spring Released
4	Hydraulic Failsafe Disc Brakes	Spring Applied- Hydraulically released
5	Mechanical lever or Hand Knob Operated Disc brakes	Manual
6	Electro Hydraulic Thruster operated Disc Brakes and Drum Brakes	Failsafe
7	Electromagnetic Disc Brakes and Drum Brakes	Failsafe



Electromagnetic Fail Safe Disc Brake



Electro Hydraulic Thruster Operated Disc Brake



Hydraulic Disc Brake (Fail Safe / Active) - Mono Spring

### APPLICATIONS

#### Hydro Turbines

- Brakes mounted on Flywheel Flanges

#### Wind Turbine

- Yawing Brakes
- Rotor Brakes

#### Cranes

- Lifting & Lowering
- Long Travel
- Cross Travel
- Emergency Brakes on Rope Drum Flange
- Slewing Traverse

#### Material Handling

- Ship Loader & Stacker, Reclaimer
- Luffing
- Conveyors

#### Steel Industry

- 6 Hi Mill & 4 Hi Mill
- Galvanizing Lines
- Pickling Lines
- Cranes
- Hot Metal Cranes both Service & Emergency
- Pay Offs & Take Ups



Pneumatic Disc Brake (Fail Safe / Active)



Pneumatic Disc Brake (Fail Safe / Active)



Pneumatic Disc Brake (Fail Safe / Active)

### APPLICATIONS

#### High Intensity Sector

- Nuclear Plants for 6 M.W. Motors.

#### Mining

- Winches
- Conveyors
- Cranes

#### Cable Machineries

- Wire Drawing Machines
- Stranding Machines
- Rod Mills
- Pay Offs & Take Ups
- Bunching Machine



Rotary Airlock Valve ( With Chain drive)



Knife Gate Valve ( Pneumatically Operated)



Friction Liners (Sintered / Organic)

### Important Function to be observed while selecting the right Brake for your application:

- Few parts for little maintenance
- Good torque stability and control
- Large Pad area for High Heat withstanding
- Fast Retraction Compact Design
- Special Sintered Metal Linings
- Option for Active & Failsafe in Hydraulic, Pneumatic & Mechanical Version.

