

# Industrial Caliper Brakes

Power Transmission Solutions

## RINGSPANN advantages:

- Our never ending commitment to quality and safety
- Technical assistance and expertise
- Wide range of products
- Continuous innovation
- Pneumatic, hydraulic, electromagnetic and mechanical options
- Custom engineered solutions
- Dedicated brake resources
- Local inventory at our US location



Quality Products • Competitive Price • Commitment to Safety

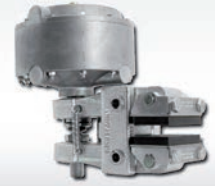
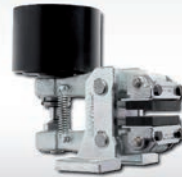


# Industrial Caliper Brakes

Power Transmission Solutions

Spring Actuated – Pneumatically Released

Braking torques 10 - 38 500 Nm



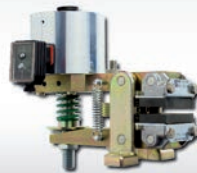
Spring Actuated – Hydraulically Released

Braking torques 200 - 38 500 Nm



Spring Actuated – Electromagnetically Released

Braking torques 94 - 6 590 Nm



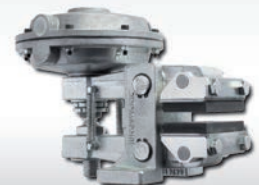
Spring Actuated – Manually Released

Braking torques 160 - 510 Nm



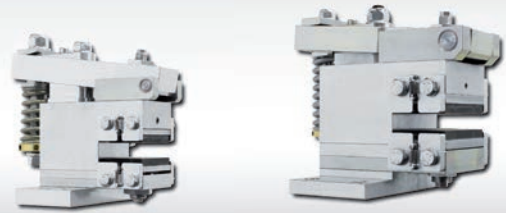
Pneumatically Actuated – Spring Released

Braking torques 0,5 - 23 000 Nm



Electromagnetically Actuated – Spring Released

**Braking torques 60 - 7 910 Nm**



Manually Actuated – Manually Released

**Braking torques 20 - 600 Nm**



Spring Actuated – Hydraulically Released

**Braking torques 1 500 - 182 400 Nm**



Hydraulically Actuated – Non-Releasing

**Braking torques 10 580 - 325 000 Nm**



Hydraulically Actuated – Spring Released

**Braking torques 84 - 153 500 Nm**



## Freewheels

**RINGSPANN®**  
Power Transmission



### Backstops

Automatic protection against reverse running of conveyor belts, elevators, pumps and fans.



### Overrunning Clutches

Automatic engaging and disengaging of drives.



### Indexing Freewheels

For gradual feed of materials.



### Housing Freewheels

Automatic engaging and disengaging for multimotor drives for installations with continuous operation.



### Cage Freewheels

For installation between customer-supplied inner and outer rings.

## Brakes

**RINGSPANN®**  
Power Transmission



### Industrial Brakes

Spring activated - pneumatically, hydraulically, electromagnetically or manually released.



### Industrial Brakes

Pneumatically activated - spring released.



### Industrial Brakes

Hydraulically activated - non-releasing or spring released.



### Industrial Brakes

Spring activated - hydraulically released.



### Clamping Units

Spring activated - hydraulically or pneumatically released. For secure and precise positioning of piston rods.

## Shaft-Hub-Connections

**RINGSPANN®**  
Power Transmission



### Two-part Shrink Discs

External clamping connection for simple and secure mounting without torque wrench.



### Three-part Shrink Discs

External clamping connection for the fastening of hollow shafts on solid shafts.



### Cone Clamping Elements

Internal clamping connection in small dimensions for high torques.



### Star and Clamping Discs

Shaft-Hub-Connection for frequent clamping and release.



### Star Spring Washers

Axial spring element for pre-loading of ball bearings.

## Overload Clutches & Couplings

**RINGSPANN®**  
Power Transmission



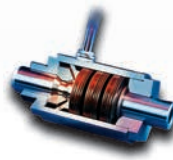
### Torque Limiters with Screw Face

Reliable overload protection for tough operating conditions.



### Torque Limiters with Friction Linings

RIMOSTAT® Torque Limiter for constant slipping torque. Belleville Spring Torque Limiter for simple release.



### Force Limiters

Reliable axial overload protection in rods.



### Tru-Line Flange Couplings

Rigid, easily removable shaft coupling with backlash free cone clamping connections.



### Flexible Couplings

Large allowed radial and angular misalignments. Minimum resiliency.