



Siegerland Bremsen

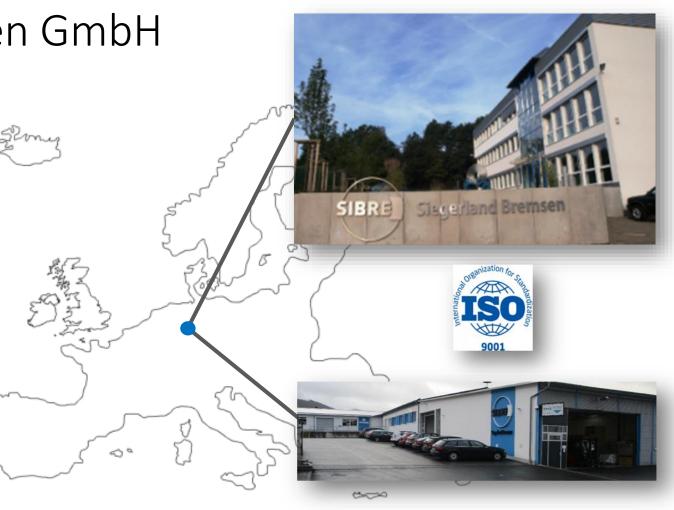


Brake Technology and Monitoring for Increasing Safety and Productivity

Lars Benner, Technical Sales

SIBRE Siegerland Bremsen GmbH

- Private owned
- Founded in 1958
- Headquarter in Haiger (Germany)
- Assembly plant in Eschenburg (Germany)
- 17.500 m² production area in Germany
- 300 employees worldwide
- 13 international branches
- 50+ sales and service partner



AS A ONE STOP SUPPLIER, SIBRE DELIVERES COMPREHENSIVE SOLUTIONS FOR ALL DRIVES IN CRANES.

SNAG LOAD PROTECTION &

SAFETY-BRAKES

WHEELS & SHEAVES

Ø

COUPLINGS

SIBRE

HYDRAULIC BUFFER

SERVICE-BRAKES

STORM-BRAKES

SIBRE invest to stay future-proof and reliable

- 3 new halls in total
- 18 new CNC machines + ABB handling robots
- > 17 Mio € investment since 2019
- Highest energy efficiency

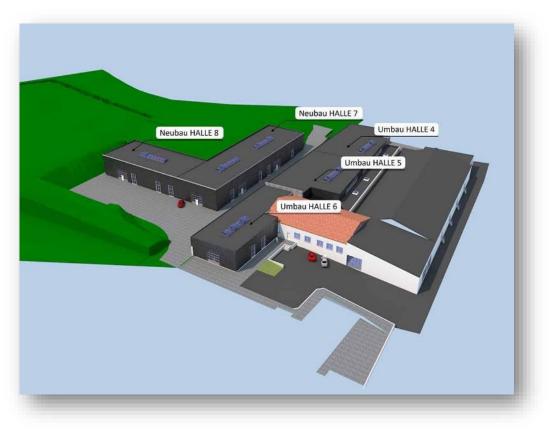






SIBRE invest to stay future-proof and reliable





Headquarter Haiger

Assembly plant Eschenburg







SIBRE invest to stay future-proof and reliable



Existing test rig Renewal of control, measurement and evaluation



New dynamic test rig Inertia up to 500 kgm² Speed up to 2200 rpm

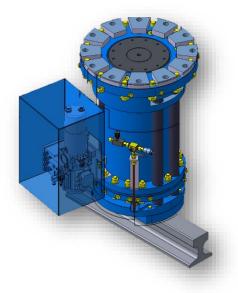


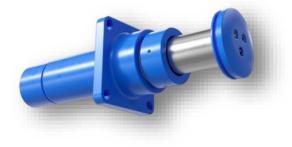
Dynamic storm brake test rig Holding forces over 1000 kN



SIBRE new developments







RHI face lift

Casted version Braking forces up to 120 kN available with at side HPU

RPS with HPU at side No piping along the bogie Reduction of opening time

New buffer series SP Forces up to 700 kN Strokes up to 1200 mm



USB5 - Designed for all applications in a crane

Identical conditions in regards to installation, adjustment and maintenance

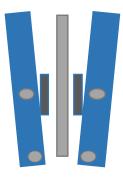
main hoist USB5-V

boom hoist USB5-II or USB5-III

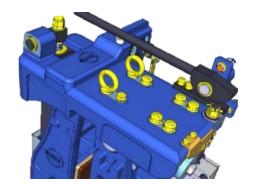
trolley travelling USB5-I or USB5-II

gantry travelling USB5-05

Improved features – USB5



Parallel opening of brake shoes



Enhanced corrosion protection



Optimized spring unit



Upgraded manual release system



SSM - SIBRE Status Monitoring

Brake monitoring and status visualization of:

Brake open

Brake closed

Manual release

Pad wear

Pad temperature

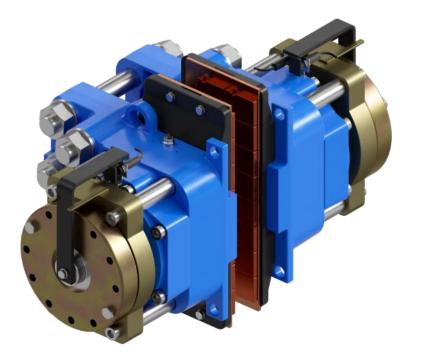
Reserve stroke

Contact force OR Brake torque



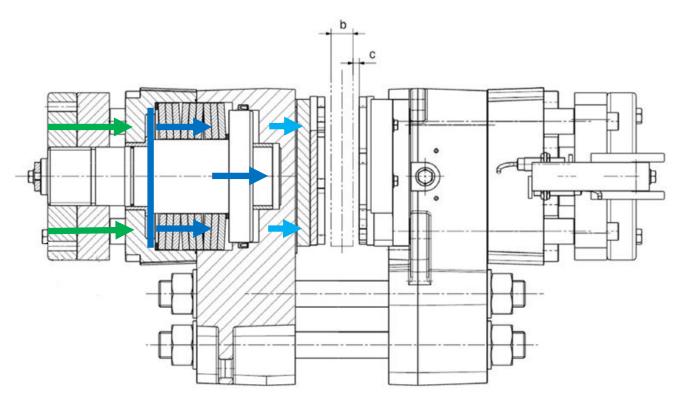
SHI emergency brake

- Standardized functional principle, available in 7 different sizes
- Clamping force range: 17kN 555kN
- Weight range: 80-900Kg





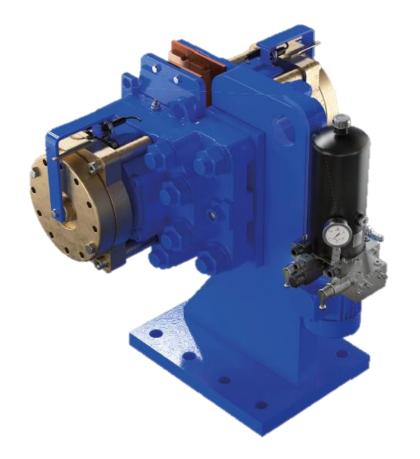
SHI design benefits



- **1)** Extending cup-springs
- **2)** Transmission to piston
- 3) Transmission to pressure pins
- *4) Transmission to linings/disc*



SHI design benefits



- Favorable force-transmission
 [maintenance/spares/safety]
- Less leakage-risk
 [reduced risk of downtime/ safety]
- Less maintenance requirements
 [time, budget]
- Plug and Play solution available [flexibility]



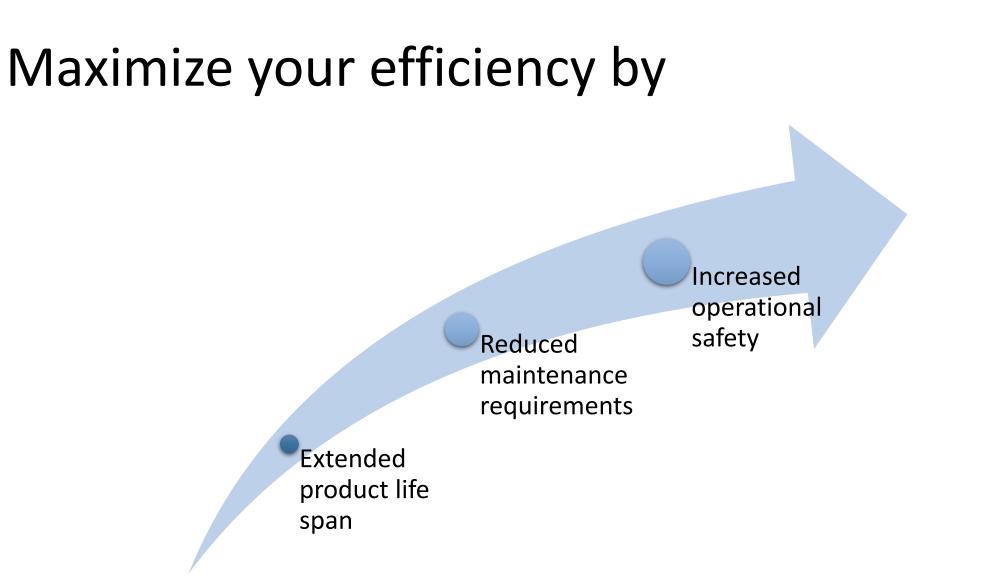
Service & Support

- Increased stock capacity (≈5.000.000€)
- Fast spare parts availability
- Online services & support
- Training on the brake simulator
- WEBINAR's upon request
- Maintenance tutorial-videos
- Further support upon request
- Service staff & supervisor availability













sure to be safe

Siegerland Bremsen

Thank you for your attention!

lb@sibre.de | www.sibre.de





BALTIC AND 20 BLACK SEA 2 PORTS & SHIPPING 3