



DELLNER BUBENZER

Industrial Revolution for Industrial Brake Services

Innovation, Safety, and Smart Technology

Dirk Schlameus – Regional Sales Director - Africa/Middle East

www.dellnerbubenzner.com

EVOLUTION STARTS WITH A PIONEER

INTRODUCING THE SB 28.5 DISC BRAKE



www.dellnerbubenzner.com



Dellner Bubenzer Introduction Video



MAIN FEATURES

Supported by decades of disc-brake series innovation and engineering, the SB 28.5 debuts as an industry-leading product with upgraded design, optimized technology, and sustainability.



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BUBENZER**

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SB 28.5

Sustainability



BUEL® Thruster &
Reduced Energy Costs

Reduced Fluid Volume

Eco-friendly
Biodegradable Oil

SB 28.5

Enhanced Design



Facelift, Weight Savings
& Reduced Carbon
Footprint

101 Interchangeability

Easy Installation &
Commissioning

SB 28.5

Automatic Wear Compensation



Freewheel-based
Automatic Wear
Compensator

Easy Maintenance

SB 28.5

Improved Self-Centering System



New & Upgraded System
by Roller & Cam

Equal Air Gaps with
Self-centering
Brake Levers

SB 28.5

Parallel Alignment System



Symmetric Designed Brakes

Brake Shoes are Parallel aligned to the Brake Disc

PIONEERS OF BRAKE INNOVATION



SB 16
Up to 890 Nm



SB 23.3
Up to 5.165 Nm



SB 28.5
Up to 23.400 Nm



SB 30
Up to 28.800 Nm

SB SERIES BRAKE



DELLNER BUBENZER

IS YOUR CRANE SAFE ENOUGH?



IS YOUR CRANE SAFE ENOUGH?

ENSURE YOUR CRANE SAFETY



The global climate is changing

The quantity of cranes is rising

The probability of accidents increases

The trigger can be of different origins

IS YOUR CRANE SAFE ENOUGH?

ENSURE YOUR CRANE SAFETY WEATHER CONDITIONS

No worries about unexpected weather conditions again

Eliminate preventable incidents

Lock down your crane with the right reaction time of your storm brake

Comparatively small investment for your safety

IS YOUR CRANE SAFE ENOUGH?

ENSURE YOUR CRANE SAFETY



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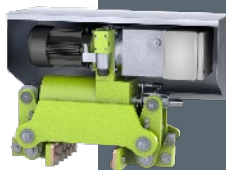


WEATHER CONDITIONS

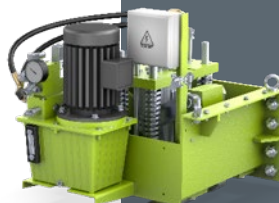
wind speed **80 km/h**
DRIVE BRAKES



wind speed **100 km/h**
WHEEL BRAKES



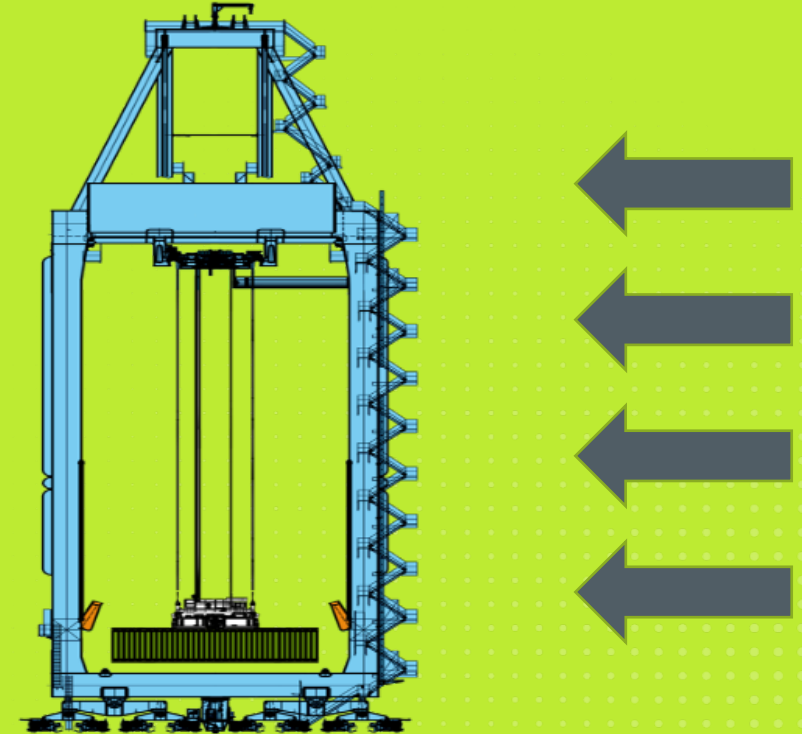
wind speed above **160 km/h**
RAIL CLAMPS /
RAIL BRAKES



CRANE SURFACE

The crane surface is the main important information to calculate properly the wind force acting on the crane itself

- The information about the surface must be as much accurate as possible.
- A drawing of the crane would be the best information to have.
- Important: The shape coefficient must always be applied!



IS YOUR CRANE SAFE ENOUGH?

ENSURE YOUR CRANE SAFETY SNAG PREVENTION



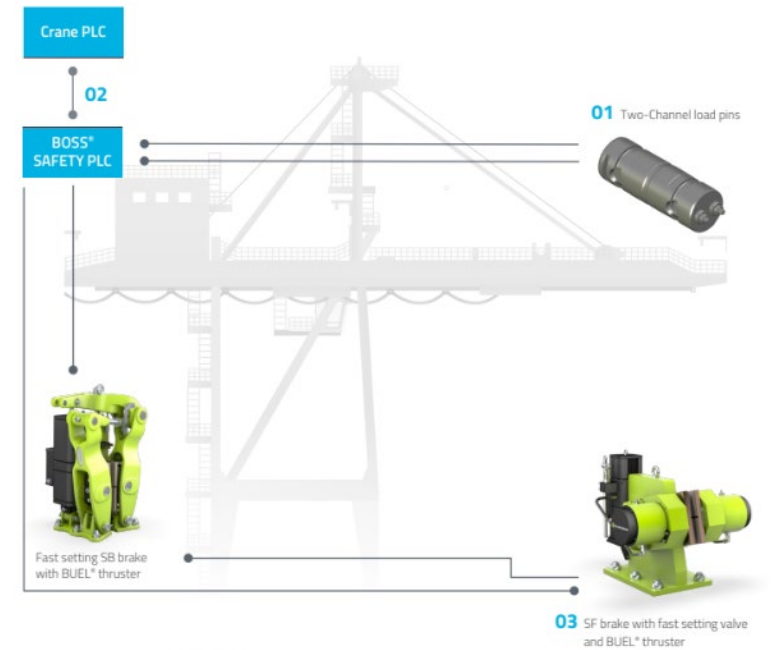
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BOSS® BRAKE ONLY SNAG SYSTEM



B BRAKE ONLY SNAG SYSTEM[®]

How the BOSS system works:



LOAD PINS

Load pins are detecting an overload on one or more corners.

BOSS[®] PLC

BOSS[®] PLC will cut off power for BUEL[®] H thrusters, service brakes and BUEL[®] G for emergency brakes and hoist motors. The electrical reaction time is only 20ms until the brakes are switched off.

SERVICE BRAKE

Service brakes apply full braking torque within **36ms** after power off.

EMERGENCY BRAKE

Emergency brakes apply full braking torque within **70ms** after power off.

HOIST MOTION

Hoist motion will be stopped after **10 to 110ms**. The total stopping time from snag detection to stand still is between 100 and 200ms.



BRAKE ONLY SNAG SYSTEM[®]

YOUR ADVANTAGES

- ✓ Profisafe Interface
- ✓ Fastest reaction time
- ✓ Precise control
- ✓ TÜV certified
- ✓ Cross-check of both channels
- ✓ Simple calibration and set-up
- ✓ Fully integrated
- ✓ Closed wired system
- ✓ Dynamic snag trip point setting depending on corner load and speed
- ✓ No maintenance time required
- ✓ No nuisance tripping after e-stops
- ✓ Easy retrofitable



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Thank you for your attention!

Visit us at booth 5 and 20





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