

# CRANE & HOIST POWER SYSTEMS OVERVIEW

**FLEXIBLE ENERGY &  
DATA TRANSMISSION  
WITH CABLE TROLLEYS**

**CONDUCTOR RAIL  
SYSTEMS**

**ENERGY CHAINS**

**BUFFERS**

**SPRING REELERS**

**MOTOR REELERS**

**SAFETY SYSTEMS**

**HANDLING SYSTEMS**

# wampfler

# CABLE TROLLEYS



**Cable Trolley supported by a wire rope**

For loads up to 20kg

**Cable Trolley for C-rail track**

For loads up to 120kg



**Cable Trolley for square rail track**

For loads up to 36kg

**Cable Trolley for I-beam track**

For loads up to 20kg



- A complete line of proven standardized modular components
- For straight, circular and curved tracks
- Travel speed of up to 120 m/min
- Power transmission with flat and round cable or hoses
- Stainless-steel, acid-resistant and explosion-proof construction

# HEAVY DUTY CABLE TROLLEYS



**Cable Trolley for I-beam track**

For loads up to 750kg

**Motorised Cable Trolley for I-beam track**

For loads up to 750kg



- Standardized systems for high-speed operation (up to 200 m/min) and heavy festoons (up to 750 kg)
- With frequency-controlled auxiliary drive units for speeds up to 300 m/min
- Stainless-steel, acid-resistant and explosion-proof construction
- Low-noise operation

# SPRING CABLE REELERS



**Spring cable reel (type BEF)**

With universal flange mounting, available with installed and connected cable

**Standard spring cable reels**

For power and control lines with cable diameters of between 1 and 35 mm<sup>2</sup>, take-up speed of up to 63 m/min



- Spool diameters from 150 mm to 500 mm
- Modular design
- Long spring life
- Spring in separate compartment for safe replacement
- Lightweight construction
- Protection: Standard IP65
- Pay-out lengths up to 70 m
- Take-up speed up to 63 m/min

# MOTORISED CABLE REELERS

- Optimum choice of models for all applications
- Compact, space-saving design
- Low maintenance
- Spool diameters from 0.34 m to 9.5 m
- Pay-out lengths up to 800 m
- For travel speed sup to 240 m/min



## **Bulk wrap motorized cable reel Runner**

with spool designed to rewind and store 1500 m of 20-kV cable



## **Monospiral wrap motorized cable reel Sprinter**

Diameters up to 9.5 m



## **One layer winding motorized cable reel Climber**

for vertical applications (Spreader)



# BUFFERS

- Complete range of products
- High level of safety
- Long service life
- High energy absorption
- Integrated cable protection
- Customer-specific solutions



## **Rubber buffers**

Energy absorption up to 25 kJ



## **Rubber to metal elements**

for the vibration-free bearing of dynamically loaded components



## **Cellular buffers**

Energy absorption up to 210 kJ



# HANDLING SYSTEMS

- Choice of 4 rail systems for loads ranging from 200 kg to 800 kg
- Temperatures up to 220°C
- All components permit custom travel configurations
- Installation possible in any industrial plant
- Convenient modification / expansion of the system is possible at any time



## **Hose reels**

Rated diameters between 1/4" and 1", pay-out lengths from 5 m to 30 m



## **Cable reels**

For cable lengths up to 30 m, for cable with 1 to 16 conductors



## **Retractors**

For loads up to 150 kg, pay-out up to 8 m



## **Overhead monorails**

Modular system with 4 different rail systems, for loads of up to 800 kg



# CONDUCTOR RAILS



## Enclosed conductor rails

With 5 or 7 poles, individual configuration, various connection systems available as a function of assembly and operating conditions, for indoor and outdoor operation, for straight or curved travel, for loads between 35 A and 140 A

- For safe, reliable transmission of energy and data
- Designed of loads of 10 A to 2000 A
- Variable number of poles
- Dedicated solutions for specific applications

## Multipole conductor rails

Standard models with 3, 4 or 5 poles, compact hanger clamps (with a single screw) permit configuration of systems with 6, 7 or 8 poles, for loads between 10 A and 125 A



## Single-pole insulated conductor rails

Number of poles according to specifications, universal installation brackets, for indoor and outdoor operation, heatable, for straight or curved travel, for loads between 10 A and 2000 A

# SLIP RING BODIES



## Combined slip ring body

Built to meet customer-specific requirements for the transmission of power and digital data

- Standard and special models for the transmission of power, digital signals, liquids and gases
- Ring diameters from 30 mm to 320 mm
- Loads up to 1200 A
- Voltages up to 24 kV
- Transmission of: analog signals 0 - 20 mA, digital signals up to 500 kbps
- Up to 100 poles

## Enclosed slip ring body

For standard applications with cover of impact-resistant fiberglass-reinforced PA6.6 polyamide



## Combined slip ring body

Built to meet customer-specific requirements for the transmission of power and digital data

# IPT® - INDUCTIVE POWER TRANSFER



## E-type pick-ups

From 500 W to 4 kW

## E-type pick-ups

up to 10 kW



## Flat pick-ups

From 750 W to 2.2 kW

- Contactless power and data transmission, guiding and positioning
- No moving parts, no wear
- Installation possible underground or underwater
- Various models available: 500 W to 10 kW or combination solutions to obtain higher ratings