



Movement by Perfection



The Royal League in ventilation, control und drive technology

# Lift cables

# ZIEHL-ABEGG

Die Königs

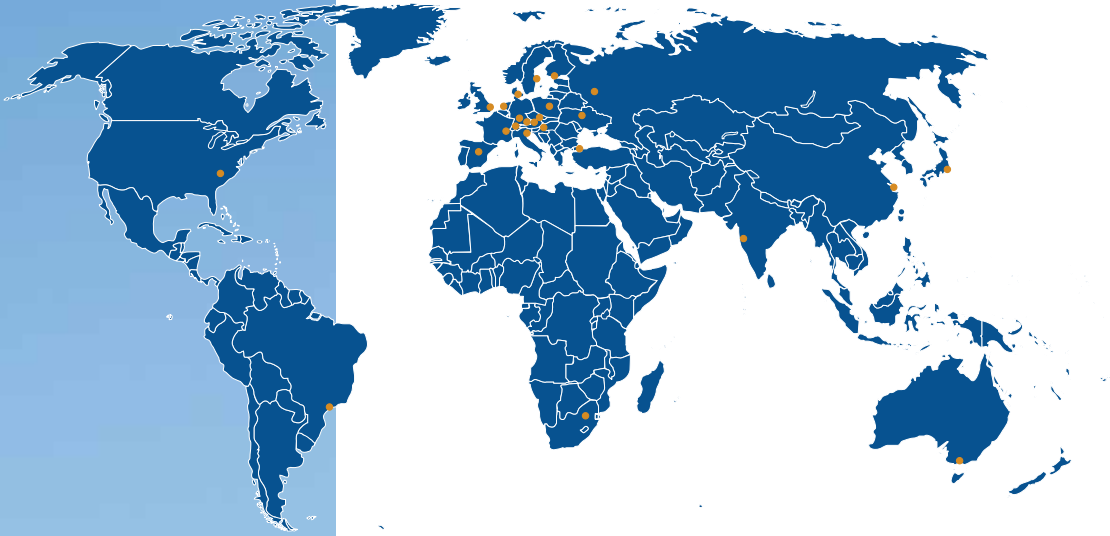
der Lufttechn

Regeltechnik und Antriebste

Radialventilator  
**ZAmid**®Technologie



# No one can get passed the Royal League



ZIEHL-ABEGG has stood for movement by perfection in the ventilation technology, control technology and drive technology sectors for more than 100 years. What started with the invention of the first external rotor motor by Emil Ziehl is now being carried on at the company's sites around the world. We are the pioneers, masterminds and developers of technologies for the future which more than satisfy all demands to preserve an environment worth living in and to meet all our customers' requirements and wishes.

Think ahead to the future - discover ZIEHL-ABEGG


We look forward to seeing you in ventilation, control and drive technologies. Where ideas are the daily challenge and where the latest, outstanding technologies are developed.

Welcome to the best.

Welcome to the Royal League







# Elevator technology from machines to perfectly matched control technology, for the greatest travel comfort

## Our unique selling proposition - your benefit

The main point for us is the correct integration of our elevator technology for your precise needs. Regardless of how deep or how high you want to go, of how much or little space is available, our drive systems are available to you as reliable solutions wherever they are required, any place and at the right time. We manufacture our high-tech products, at the headquarters Künzelsau site in Germany with unbeatable competence on the basis and a head start of more than 100 years of motor development especially for elevators and the matching control technology. More than 100 engineers and technicians work in one of the most modern technology centres of this kind. Here, we turn visionary motor technologies into reality and develop the future of elevator technology with the related components.

Our products have been awarded the Premium Quality and Premium Efficiency seals - and that is why our products and services are in the Royal League.

The ultramodern elevator technology  
for every design







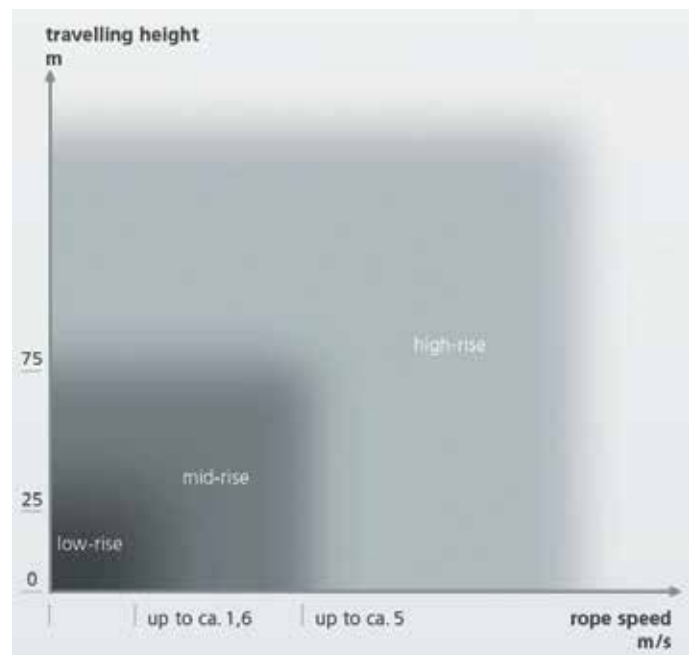


# The premier class of drive systems

## Our unique selling proposition - your benefit

ZIEHL-ABEGG has been setting standards in lifts for more than 100 years. Millions of people are moved daily by motors from Künzelsau. ZIEHL-ABEGG has always valued individual solutions highly. When it is extremely narrow in the shaft or when there is no room for a machine room, the engineers develop sophisticated systems for customers.

New is that ZIEHL-ABEGG now also has lift cables in its portfolio. The company is therefore following the trend away from individual components to the complete system. This has several advantages for the customer. The calculation and responsibility for the cable and the machine are in the same hands. This immensely simplifies the handling because only one provider is involved. Simplification means that the customers save good money in future in the internal handling. Since they only need to receive one supplier on site – this directly saves manpower. Since only one shipping agent is involved, the direct freight costs are also lower – another advantage for the customer.



Low-rise:  
Traction ropes 8x19, SC8, TSR

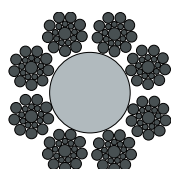
Mid-rise:  
Traction ropes DP9, CTP

High-rise:  
Traction rope HRS



# Lift cables

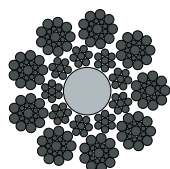
## Traction ropes 8x19



### Cable data

- 8 strands, regular right-hand lay
- Seale construction, 19 wires/strands
- Nominal strength 1370/1770 N/mm<sup>2</sup>
- Bare, basic lubrication
- Impregnated sisal fibre inlay
- i-LINE for assembly check (RAL 9003, signal white)

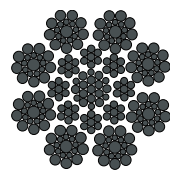
## Traction ropes DP9



### Cable data

- 9 strands, regular right-hand lay
- Seale or filler constructions, depending on the nominal cable diameter 19, 21 or 25 wires/strands
- Nominal strength 1570 N/mm<sup>2</sup>
- Bare, basic lubrication
- Polypropylene fibre inlay, pre-formed and post-formed
- i-LINE for assembly check (RAL 1016, sulphur yellow)

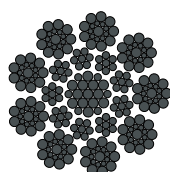
## Traction ropes SC8



### Cable data

- 8 strands, regular right-hand lay
- Seale construction, 19 wires/strands
- Nominal strength 1370/1770 N/mm<sup>2</sup>
- Bare, basic lubrication
- Steel inlay
- i-LINE for assembly check (RAL 6018, yellow-green)

## Traction ropes HRS



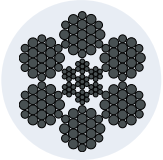
### Cable data

- 9 strands, regular right-hand lay
- Seale or filler constructions, depending on the nominal cable diameter 19, 21 or 25 wires/strands
- Nominal strength 1570 N/mm<sup>2</sup>
- Bare, basic lubrication
- Steel inlay
- i-LINE for assembly check (RAL 5012, light blue)





## Traction ropes CTP 6.2/8.1

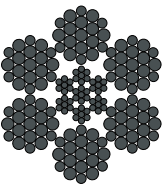


### Cable data

- 6 strands, regular right-hand lay
- Warrington construction, 19 wires/strands (IWRC)
- D/d ratio < 40
- Pleasant smooth running due to greatest possible contact surface
- Low specific pressure on contact surface

## Traction ropes TSR

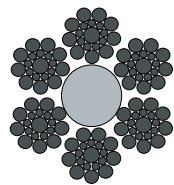
Special cables for small sheave diameters



### Cable data

- 6 strands, regular right-hand lay
- Warrington construction, 19 wires/strands
- Nominal strength 1960 N/mm<sup>2</sup>
- Galvanised, basic lubrication
- Steel inlay
- Without i-LINE for assembly check

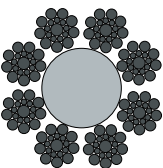
## Governor cables 6x19



### Cable data

- 6 strands, regular right-hand lay
- Seale construction, 19 wires/strands
- Nominal strength 1960 N/mm<sup>2</sup>
- Galvanised, basic lubrication
- Polypropylene fibre inlay
- Without i-LINE

## Governor cables 8x19



### Cable data

- 8 strands, regular right-hand lay
- Seale construction, 19 wires/strands
- Nominal strength 1770 N/mm<sup>2</sup>
- Galvanised, basic lubrication
- Polypropylene fibre inlay
- Without i-LINE



## End fasteners

### APAG press-on external threads



#### Cable data

- Simple, fast and secure end fastening
- Reduced assembly time because no on-site assembly of the end connection
- No special tools required
- The compact design enables a very narrow hole pattern of the cable attachment and parallel running cables
- Simple twist protection
- Position control bore for cable end
- No noise development because no single parts

### Eye bolt with cable eye pressed



#### Cable data

- Simple, fast and secure end fastening
- No special tools required
- Simple twist protection



## Symmetrical cable lock



Type D



Type FP



Type FP2



Type FP3

### Product data

- Welded cable lock, galvanised steel incl. pre-assembled wedge, bolts and safety splints
- Cable lock transfers 80% of the minimum breaking strain of the support or controller cable
- Eye bolt welded, galvanised steel
- In connection with the cable lock, the eye bolt transfers 80% of the minimum breaking strain of the lift cable
- The information in appendix B of standard EN 13411-7 applies for assembly and operation

### Advantages

- Safe and easy on-site assembly
- Delivered complete with spring or buffer and all accessories, adapted to the requirements of the respective system

## Asymmetrical cable lock



Type D



Type FP



Type FP2



Type FP3

### Product data

- Die-cast cable lock, galvanised steel incl. pre-assembled wedge, bolts and safety splints
- Eye bolt welded, galvanised steel
- In connection with the eye bolt the cable lock transfers 80% of the minimum breaking strain of the support or controller cable

### Advantages

- Safe and easy on-site assembly
- Delivered complete with spring or buffer and all accessories, adapted to the requirements of the respective system
- The information in appendix B of standard 13411-6 applies for assembly and operation



# The Royal League



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