



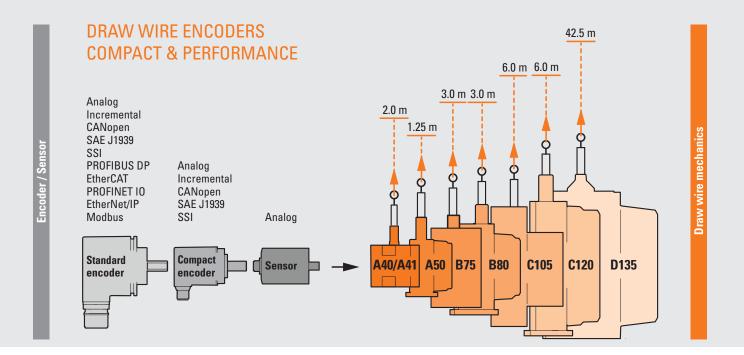
- Driving speed measurement and steering angle monitoring with encoders
- Lifting height measurement with draw-wire encoders

Automatic guided vehicles

Compact encoders and draw-wire systems of Kübler are used to determination the speed, the steering angle of the vehicles and the exact position of the load-carrying devices.

Their accurate rotary speed and position signals ensure the reliable operation of the intelligent systems - even when only very little space is available. BUS systems ensure the safe signal transmission and simplify notably the cabling work.





Lifting height measurement



Linear measurement up to 3 or 6 m, absolute value acquisition via fieldbus, high accuracy

Draw-wire encoder A41

- · Measuring length 2 m
- · CANopen interface
- · Robust housing
- · High dynamic up to 1 m/s



Draw-wire encoder B75

- · Measuring length 3 m
- · Fieldbus interface
- With optical multiturn encoder
- · Robust housing
- \cdot Linearity up to ±0.35 % of the measuring range



Draw-wire encoder B80

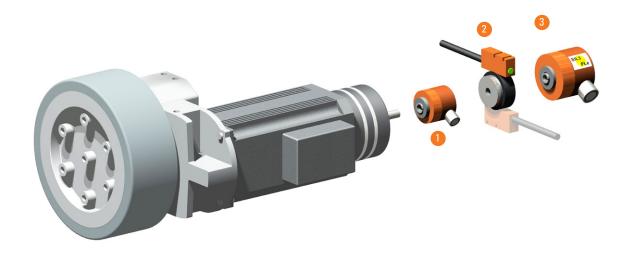
- · Measuring length 3 m
- · Fieldbus interface
- Interchangeable installation
- · With optical multiturn encoder
- · Robust housing
- Linearity up to ±0.02 % of the measuring range



Draw-wire encoder C120

- · Measuring length 6 m
- · Fieldbus interface
- $\cdot \ \ Interchangeable \ installation$
- With optical multiturn encoder
- · Robust housing
- Linearity up to ±0.02 % of the measuring range





Driving speed



Dynamic rotary speed measurement with reduced space requirements in hollow shaft version

Sendix S3674 Motor Feedback encoder 🕕



- · Singleturn encoder ø 36 mm
- · SIL2/PLd
- · Operating temperature -30°C ... +120°C
- · Accurate optical scanning
- · Tapered shaft ø 8 mm



Sendix Base KIH40 encoder 1



- · Incremental encoder ø 40 mm
- Optical scanning
- Safety Lock™
- Resolution max. 2500 ppr



RLI20 bearingless encoder 2



- · Magnetic scanning
- · Resolution max. 3600 ppr
- · High protection level up to IP69k



Sendix 5834FS encoder 3



- · Incremental encoder ø 58 mm
- · Accurate optical scanning
- · SIL2/PLd, SIL3/PLe
- · Resolution max. 2048 ppr





Steering angle monitoring



Absolute angle measurement with fieldbus control, robust encoder with reduced space requirements

Sendix M36 encoders 4



- · ø 36 mm size
- · CANopen interface
- · Magnetic scanning
- Safety-Lockplus™
- · High protection level IP69k
- · Status display

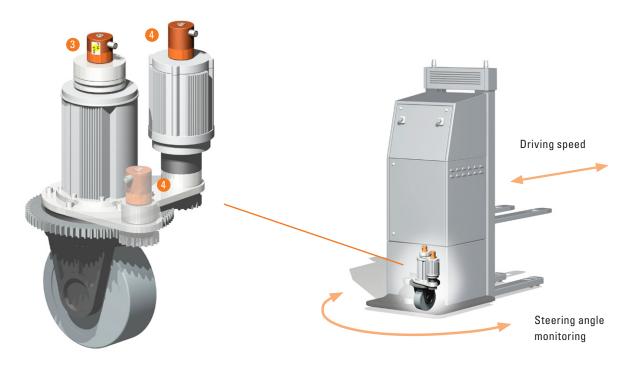


Sendix F5888 encoder 4

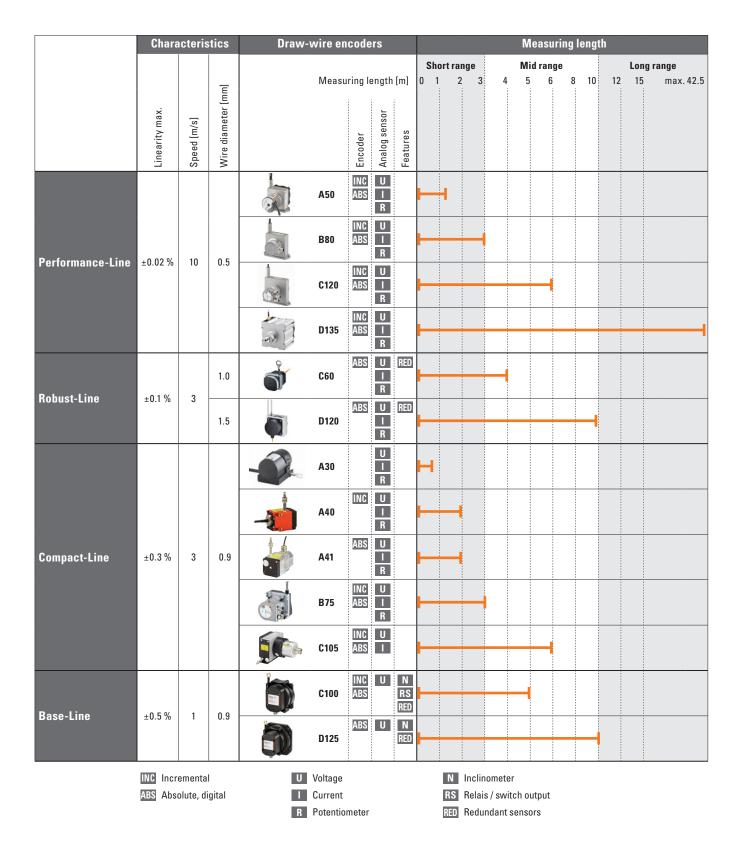


- · ø 58 mm size
- · CANopen interface
- · Optical scanning





Portfolio overview draw-wire encoders



Kübler worldwide

The Kübler Group is a worldwide leading and strongly growing family-run company with four production sites, eleven subsidiaries and strong agents in more than 50 countries.

Kübler always focuses on understanding the application of the customer. This results in suitable products and solutions. So trust in a technically well-founded advice and benefit from a lasting application support. Over 480 persons are working all over the world for Kübler and pursue one goal: inspire their customers!



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