

Questionnaire Cable Reels

Company

Phone

Fax

Contact person

E-mail

Address

Project title / Country of operation

Postcode / City / Country

Quantity of cranes / applications

Application

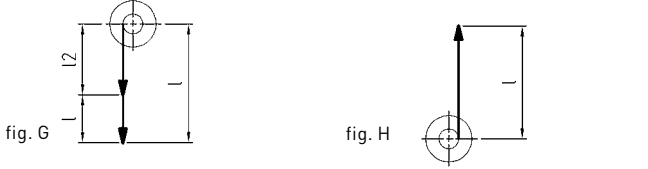
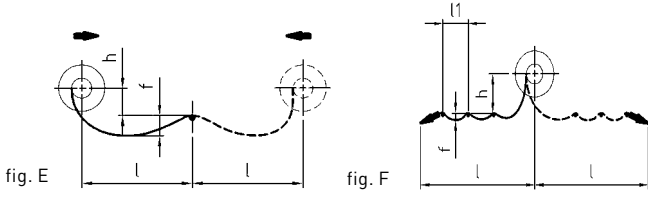
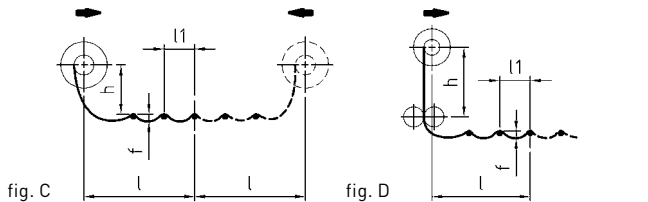
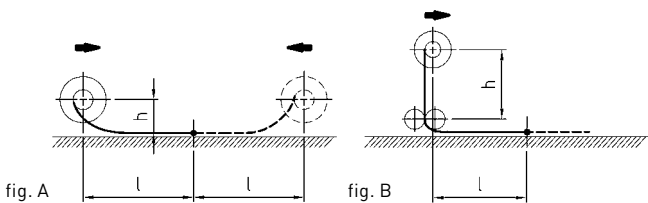
01. Machine type

02. Installation

- stationary on a mobile unit

03. Arrangement of reels according to the figures below

- A B C D E F G H



04. Reel and winding type

- spring cable reel motorised cable reel
 spiral winding cylindrical winding

05. Travel length / lift m

06. Total cable length^(b) m

07. Feed-in

- centre feed end feed
 others

08. Cable payout

- horizontal vertical

09. Mounting height (from flange to ground) m

10. Payout direction (view on slip ring assembly)

- left right

11. Special requirements / details

.....

Cable data

12. Cable provided by

- customer Hartmann & König

13. Cable type, if known

quantity of cores x cross section / cable weight
 cores x mm² / kg/m
 outer diameter (OD) mm

14. Data for cable determination

total system capacity kW
 voltage V current A
 quantity of cores + PE (earth, ground)
 Do you need a fibre optic cable?
 yes no
 if yes, quantity of fibres & type

Red fields are mandatory fields



Slip ring assembly

- 15. Quantity of slip rings cores + PE (earth, ground)
- 16. Max. current load of slip rings A
- 17. Transfer of
 - power control current
 - signals communication
- 18. Bus-type for data transfer
(communication + data technology)
 - Profibus CAN-bus
 - Ethernet Profinet
 - others
- 19. Heating V

Device data

- 20. Voltage V
- 21. Motor frequency Hz
- 22. Do you need a frequency controlled drive unit?
 - yes no
- 23. Duty cycle %
- 24. Travel frequency per hour /h
working hours per day h
- 25. Travel / lifting speed m/min
- 26. Ramp-up / deceleration time s / s
- 27. Acceleration m/s²

Environmental conditions

- 28. Ambient temperature
 - indoor use outdoor use °C - °C
- 29. Humidity %
- 30. Pollution degree
 - little medium strong

General remarks

- a. Unless otherwise specified, spring cable reels will be quoted, if technically possible (max. travel speed 60 m/min).
- b. Total cable length includes max. payout length between reel and end of cable (horizontal payout considering installation height + if appropriate length for vertical cable payout) ...
 - + 2 additional windings for mechanical strain relief of the cable (security winding) → 2 x 2r x Π
 - + 1 m normally connecting length to slip ring assembly
 - + cable length for connection into the feed-in point (depending on the application)

Environmental conditions

- 31. Aggressive media
 - yes no
 - if yes, please specify
- 32. Protection class
 - IP 55 (standard) IP 65 (optional)
 - others

Options

- 33. cam limit switch (quantity)
 - encoder
- 34. connected cable to a slip ring assembly
 - pig tail & connected

Surface treatment

- 35. Painting standard colour RAL 7040
 - other colour
- 36. hot-dip galvanised V2A
 - sand-blasted seawater protected
- 37. others (please specify)

Accessories

- cable deposit roller ratchet
- centre feed funnel roller yoke
- deflection horn rotating ceiling attachment
- deflection and guide rollers rotating wall attachment
- winding device cable grip
- deflection link chain heater
- roller payout guide
 - with / without slack & tight cable control

Red fields are mandatory fields