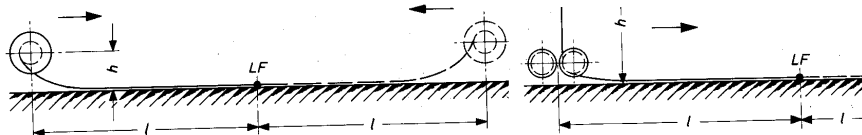


5CABLE REELS

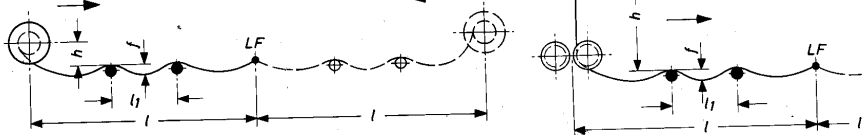
TYPICAL APPLICATIONS



Retrieve

retrieve lift

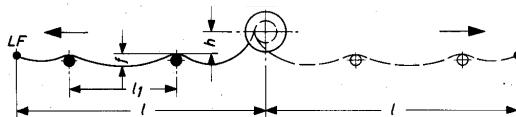
Reel is mounted on the moving equipment, winds and pay-out cable into a tray or other surface. One or two way payout. The application becomes a modified retrieve lift when reel mounts more than 1.5m above ground and uses double sheave guide.



Retrieve

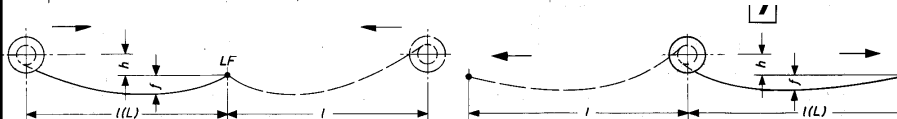
retrieve lift

Much the same as above, however cable recovery from round support brackets or rollers at regular intervals; l_1 for brackets max. 1m, for rollers 1 up to 3m.



Drag

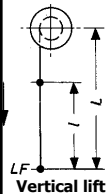
In this case the reel is stationary. Cable is dragged over round supports or rollers to and from the reel, in one or two directions ($l_1 \leq 3m$)



Horizontal stretch with reel on moving equipment

horizontal stretch with stationary reel

Cable is suspended horizontally in the air, supported only at both ends, allowing a standard sag (f) in relation to l or L whatever is longer.



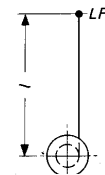
Vertical lift

Reel is mounted above where cable is hoisted and payed out vertically. Total cable length and weight plus any extra load (pushbutton station, etc) must be considered. The latter does not apply to case 9 where the reel is located below rather than above.

- Legend to Drawings:
- l = operational length of cable
 - l_1 = support intervals
 - L = max. length between reel and end of cable
 - LF = feed point or connection to moving member
 - h = height of reel above recovery surface
 - f = cable sag

Use the reel data form on pages below

Having all the facts will ensure determining of the best reel for your specific requirement.



vertical retrieve

QUESTIONNAIRE

1. For what type of moving equipment is the reel?
A rough sketch based on the typical applications shown above is extremely valuable.
 2. Reel installation height $h =$ _____ m
 3. Travel distance of equipment _____ m
 4. Cable payout from centre from one end
 5. What is the max cable length on the reel $l =$ _____ m
 6. Type of cable (number of conductors _____ m
times wire size _____ kg/m
outside dia _____ mm)
 7. Electrical load _____ m
..or amperes at _____ volts _____ A
 8. Duty cycle (time on) full load? _____ %
 9. Number of collector rings required? _____ pcs
 10. Type of application? (see above) No _____
 11. How many movements per hour? _____ times
 12. Operating hours per day? _____ hours
 13. Maximum travel/lift speed? _____ m/min
 14. Acceleration 0 to full in _____ sec
...or acceleration rate _____ m/sec
- Other data _____

