

Abstract

A method for indirectly determining an extension length (1) of
5 at least one telescopic push arm (2) of a telescopic jib (3)
relative to a further telescopic push arm (4) or to a main arm
(20) of the telescopic jib (3), in particular at least part of
the telescopic jib (3), of a hoist (5), the following method
steps being carried out:

- 10 - at least one first sensor (6), which is different from a
possibly present direct extension length sensor, ascertains
at least one first parameter of the at least one telescopic
push arm (2) and/or telescopic jib (3), in particular over
a time interval, wherein a first virtual extension length
15 (7) is determined and/or calculated via the at least one
first parameter, preferably via a physical model,
- the at least one first sensor (6) and/or at least one further
sensor (8), which is different from a possibly present
direct extension length sensor, ascertains at least one
20 further parameter of the at least one telescopic push arm
(2) and/or telescopic jib (3), in particular over a time
interval, wherein at least one further virtual extension
length (9) is determined and/or calculated via the at least
one further parameter, preferably via a physical model,
- 25 - the extension length (1) of the at least one telescopic push
arm (2) or of the telescopic jib (3) is determined and/or
calculated by the first virtual extension length (7) and the
at least one further virtual extension length (9).

(Fig. 1)