

FOX IN A BOX Zip line HEIGHTS CALCULATOR WORKSHEET

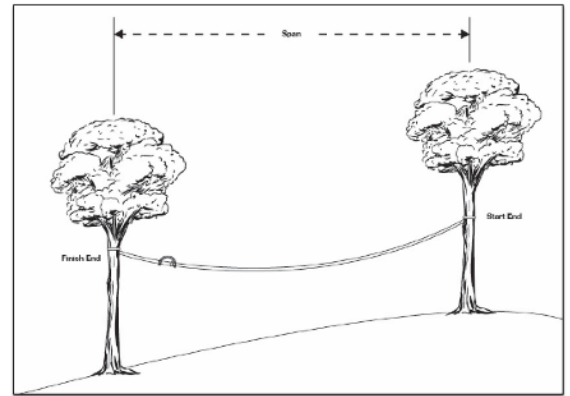
FIB IM CKSW v3.0

SPAN:

Enter span into box 1

Span

Box 1



GRADIENT:

Enter the required gradient, in Box 1A (PLAYType 0.045) or (TOUR Type 0.04)

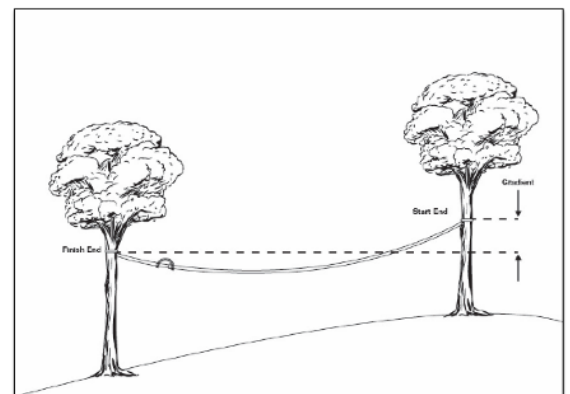
Desired Gradient

Box 1A

Meters of fall required

Box 2

Box 2 = Box 1 x Box 1A



FALL OF THE LAND:

Measure fall of land and write into Box 3A
Measure eye height and write into Box 3B

Measured Height

Box 3A

-

Eye Height

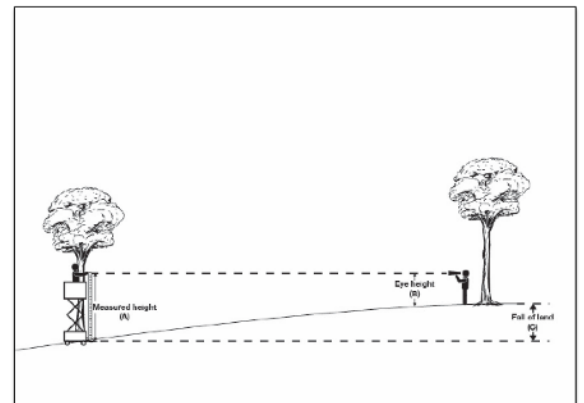
Box 3B

=

Fall of Land

Box 3C

Box 3C = Box 3A - Box 3B



REQUIRED SAG:

Minimum sag = 2%. Write 0.02 in Box 3

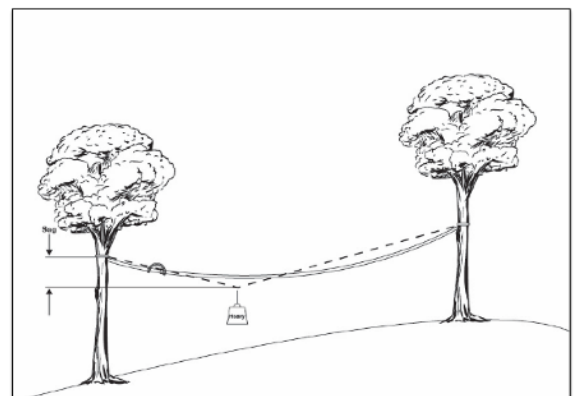
Sag

Box 3

Sag in M

Box 4

Box 4 = Box 1 x Box 3



FINISH HEIGHT:

Write minimum ground clearance in 5A Write length of seat rope in 5B.

If using handlebars measure average user from outstretched hands to toes plus 0.3 and write in Box 5B

Sag in M

Ground Clearance

Seat Rope

FINSH HEIGHT

+

+

=

Box 4

Copy Box 4 here

Box 5A

Write 0.6 m for typical ground clearance

Box 5B

Write 1.8 m for a typical length.

Box 5C

Box 5C = (Box 4 + Box 5A) + Box 5B

START HEIGHT:

Minimum clearance in 5A Enter length of seat rope in 5B

Meters of fall required

FINSH HEIGHT

Fall of Land

START HEIGHT

+

-

=

Box 2

Copy Box 2 here

Box 5C

Copy Box 5C here

Box 3C

Copy Box 3C here

Box 6

Box 6 = (Box 2 + Box 5C) - Box 3C

