MODEL 500 INSTRUCTION MANUAL

brakehawk.com

BRAKEHAWK®

When lives are on the line.

Contact Us:

Email
info@brakehawk.com

Website
www.brakehawk.com

Phone
(614) 679-6907

Mail
405 Darbyton Drive
Plain City, OH 43064

Made in U.S.A. by Darby Adventure Systems LLC
U.S. Patent #9,004,235 and patents pending

BRAKEHAWK ZIP LINE BRAKING DEVICE

INSTRUCTIONS FOR USING BRAKEHAWK

- BrakeHawk is only to be used in an escape or training scenario.
- Potential users need proper orientation from their safety advisor, including a ground school from a low elevation to familiarize them in the proper use and handling of the brake.
- Wear protective gear to prevent inadvertent contact with cable.
- Designed for riders weighing between 150-330lbs.
- User is to clip chest lanyard into the numbered hole on the brake corresponding with their body weight as found in this manual (see Illustration 3) or on the chart on the side of the brake.
- When placing BrakeHawk on the escape cable, ensure retaining clip locks into place, sweeping underneath the cable.
- Brake pad must be changed after each braking event.
- The useful life of the brake pad can vary depending on environmental factors, so it is recommended that brake pads be changed within one year after brake is brought on line.
- Users are to remain forward facing at all times with both hands placed towards the back of the brake on the black hand grip, applying pressure from the brake to the cable as necessary for a smooth, controlled descent.

GENERAL INFORMATION

- BrakeHawk is designed to give personnel a quick and safe escape from elevated work platforms in case of an emergency.
- Failure to read, understand and follow any instructions or warnings in this manual (or instructional videos) may result in injury or death.
- All users of this product must understand the concept of braking and must be physically able to apply adequate pressure from the brake to the cable.
- Only the techniques described in this manual (and instructional videos) are approved for use with this product.
- Many other types of use exist, and it is impossible to imagine or describe them all. Therefore, all other uses are potentially unsafe, pose additional risk of permanent injury or death, and are not approved.

REQUIREMENTS FOR A PROPER ESCAPE CABLE:

- Use industry standards for cable connections at each end and for ground anchoring of the cable to adequately support personnel.
- Cable is to be ½" (13mm) steel cable without defects such as kinks or frays.
- Cable is to be set at 42°. This requires the cable to be 1 ½ times as long as the set height of the top cable attachment (on flat terrain) e.g. a cable with a set height of 50ft. would need a 75ft. cable. (See illustration #1.)
- Cable must have the proper sag to perform optimally. See illustration #2 for the correct sag as it correlates to escape height.
- Ensure cable is free of ice, frost, or snow before using.

LIMITED WARRANTY:

We warrant BrakeHawk for one year from purchase date that his product is free from defects in material and workmanship. If buyer discovers a covered defect, BrakeHawk will repair or replace the product at its election. Buyer should deliver the product, along with proof of purchase to
405 Darbyton Dr., Plain City, OH 43064
and request warranty service.

THIS WARRANTY AND THE REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS, WHETHER ORAL OR WRITTEN, EXPRESSED OR IMPLIED. DARBY ADVENTURE SYSTEMS, LLC AND BRAKEHAWK SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES AS TO THE PRODUCTS OR ANY OTHER MATTER WHATSOEVER. IN PARTICULAR, BUT WITHOUT LIMITATION, DARBY ADVENTURE SYSTEMS, LLC AND BRAKEHAWK SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OR CONDITIONS OF SATISFACTORY QUALITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT OF THIRD PARTY RIGHTS OR ANY OTHER WARRANTY ARISING FROM A COURSE OF DEALING OR USAGE OF TRADE.

WARRANTY EXCLUSIONS:

Our warranty does not cover normal wear and tear, alterations, improper use, negligence or damage. BrakeHawk is not responsible for the consequences, direct indirect or accidental, resulting from the use of its products. This warranty gives you specific legal rights and you may have other rights that vary from state to state.

INSTRUCTIONS FOR USING BRAKEHAWK

Illustration 1

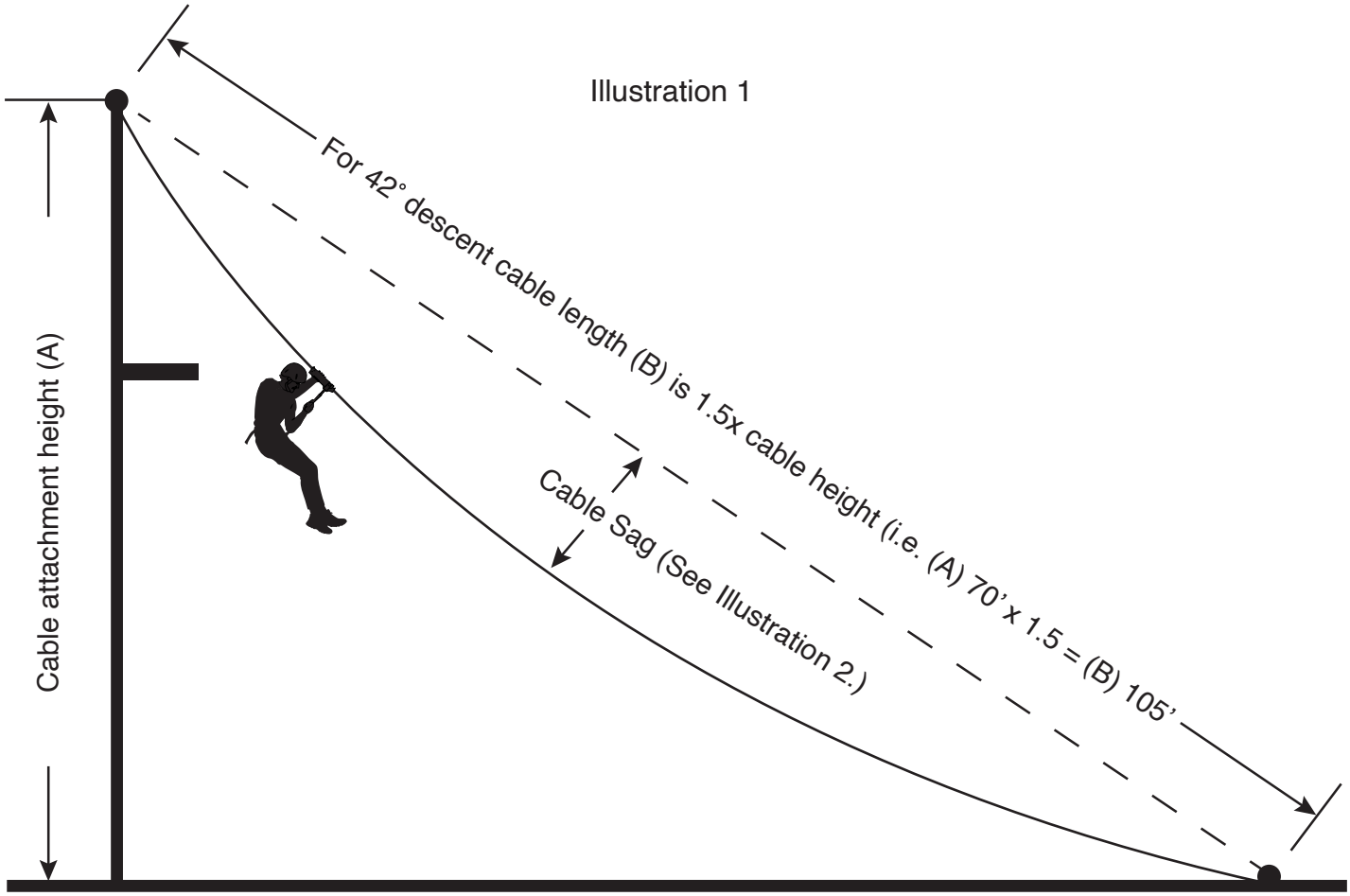

Illustration 2

MAXIMUM CABLE SAG		
DROP Cable Height	**RIDER WEIGHT** 150-300 lbs.	**RIDER WEIGHT** 300-330 lbs.
40'	2'	2'
45'	2'8"	2'8"
50'	3'4"	3'4"
55'	4'	4'
60'	4'8"	4'
65'	5'4"	4'
70'	6'	4'
75'	6'	4'
80'	6'	4'

Illustration 3

RIDER ATTACHMENT POINT	
HOLE	WEIGHT
#2	150 - 190lbs
#3	190 - 225lbs
#4	225 - 255lbs
#5	255 - 280lbs
#6	280 - 330lbs

FOR FURTHER USAGE INSTRUCTIONS AND HOW TO CHANGE BRAKE PADS VISIT:
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