NOTCH DRYAD SYNTHETIC CABLING INSTALLATION & SPLICING INSTRUCTIONS

INSTALLATION

Follow the ANSI A300 (Part 3) Supplemental Support Systems for the correct installation location of Notch Dryad synthetic cabling. Where possible install Dryad around the trees main stem.

MEASUREMENT

To determine amount of synthetic cabling required, measure between the inside of the two tree stems at the height of installation, then add the circumference of both stems at the installation point and allow between 5 to 6.5 feet of extra rope for splicing and adjustment.

RECOMMENDED INSTALLATION DRYAD SIZING

MAX LIMB DIAMETER*	ESTIMATED LOAD IN LBS.	DRYAD SIZE	DRYAD MBS	DRYAD SAFETY FACTOR**
2	100	3/8"	3000	30 : 1
3.5	200	3/8"	3000	15 : 1
5	300	3/8"	3000	10 : 1
8	600	1/2"	6100	10 : 1
10	900	1/2"	6100	7 : 1
15	1000	1/2"	6100	6 : 1
18	1200	3/4"	10200	9 : 1
20	1400	3/4"	10200	7 : 1
24	2200	3/4"	10200	5 : 1

*At anchor attachment point in inches
**Based on ISA Best Management Practices estimated load

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NOTCH EQUIPMENT

Fig.1

Fig.2

Fig.3

Fig.4

Fig.5

Fig.6

Fig.7

Fig.8

Fig.9

Fig.10

Fig.11

Fig.12

SPLICING *Before installation, ensure fid and cable diameter match.*

1. Determine correct stem loop size at the desired installation location.

2. Measure the diameter of the target stem.

3. Tape off the end of Dryad to prevent fraying. (Fig.1)

4. Measure at least two fid lengths from tail and mark cable. Add more for longer finished tail. (Fig.2)

5. Cut the protective chafe sleeve approximately 2" less diameter of the host stem.

6. Insert Dryad into fid (method varies per fid type, refer to fid instructions).

7. Thread the fid through the protective sleeve. (Fig.3)

8. Wrap sleeved cable around stem. (Fig.4)

9. To form loop, make the opening twice the diameter of the stem between stem and marked location. (Fig.5)

10. Where the marked location touches the other side of the rope, thread tail through one full fid length. Pinch flat edges until rope is round for ease of threading. (Figs.6&7)

11. Pull tail through until mark reaches beginning of splice. (Fig.8)

12. Once pulled through, the loop is complete. Now lock the splice by reinserting tail six strands past last exit point, this time completely through the jacket. (Fig.9)

13. For easier maneuvering and to reduce waste of rope, its recommended to remove the rope from the fid, then reinsert it once the fid is in place.

14. Repeat step 10 through to the other side of the rope. (Fig.10)

15. Finish by tying a double overhand knot in the tail at the final exit point. (Fig.11)

16. Leave at least 2 to 4 inches of tail past the knot. Trim and tape, as necessary.

17. Check to make sure the space between the stem and the splice is 2x the diameter of the stem. This space allows for growth without girdling (Fig.12)

**All synthetic cabling needs to be inspected periodically, follow the guidelines as set by ANSI A300 Standard. Tree cabling should only be undertaken by a trained professional arborist.*