



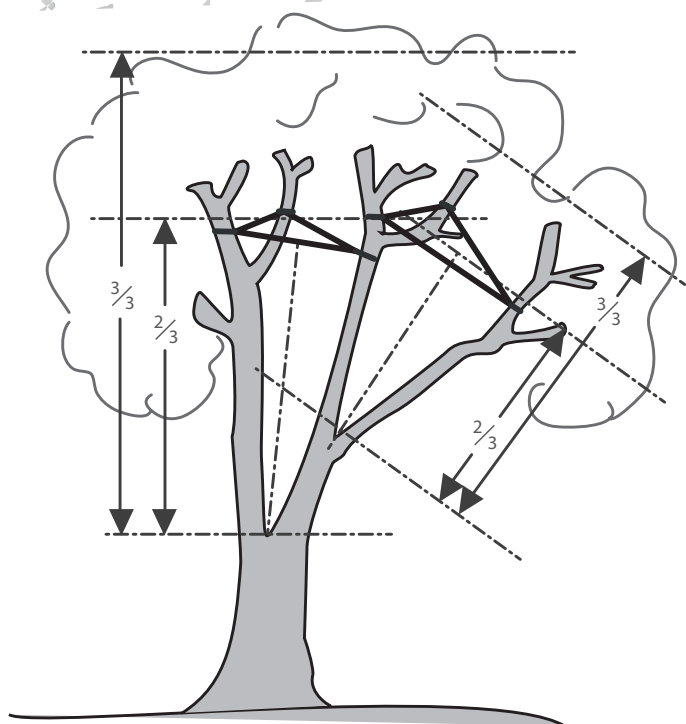
Dimensioning

The sling length should be four times the diameter of the branch. For connections up to 5m, a hollow braid polyamide rope with 20% elongation is adapted. Use a hollow braid polyester rope with only 5% elongation for connections up to 20m. One support sling per connection is sufficient if the angle between the connections is larger than 90°.

The same sling can be used for two connections if the angle between them is smaller than 90°. All hollow braid ropes are UV resistant.

Installation height:

The cabling system is limiting the lever effect and therefore forces applying to the tree crown. Cabling systems should be installed at least at 2/3 of the length of the branch to secure. If you need to install the system lower than at 2/3 of the length of the branch you should use a stronger breaking load. For an installation at two levels, the lower connection should be made half way between the mechanic default and the connection installed at 2/3 of the branch length.



Installation height:

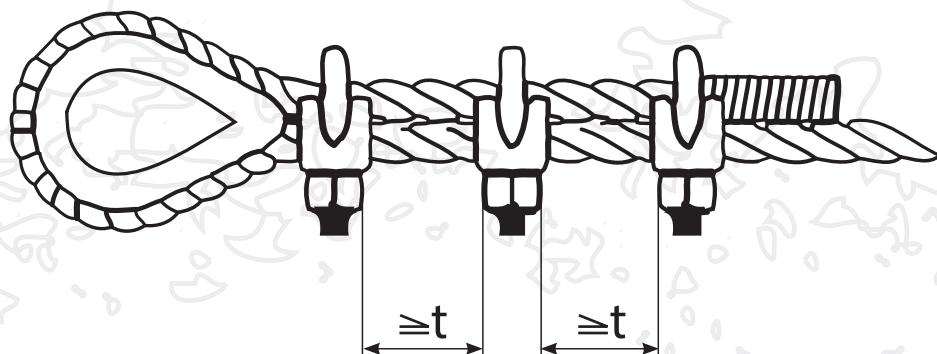
Cabling systems should be installed at least at 2/3 of the length of the branch to secure.

Dimension

Branch diameter (cm)	Minimum breaking load of the system (t)
measure at the bottom at moment of installation	installation at 2/3 of the length of the branch
smaller 40	2
40 to 60	4
60 to 80	8
larger than 80	special intervention, case sensitiv

tree save® Splice

Installing a static cabling system with steel cables

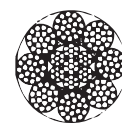


t=two times the diametre of the cable

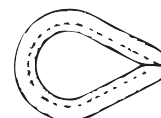
Cable diameter	5	6,5	8	10	13	16	19	22	26	30	34	40
Number cable clamps	3	3	5	5	5	5	5	6	6	7	7	7

Installation:

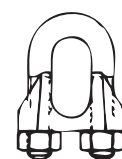
- 1_Make an eye at the end of the cable and fix it with a cable clamp.
- 2_Insert a cable eye stiffener and pull to adjust the rope.
- 3_Connect both eyes of the support sling with a shackle.
- 4_Connect shackle with the eye.



Steel cable



Thimble



Cable clamp



Shackle



Dimensioning and installing tree save®

Different ropes, with different diameters and/or material are available to ensure the connections between the slings. The choice of the rope (material type and tensile strength) must be made by a professional arborist. Only he can decide, after having studied each situation individually, which dimension and strength is needed. A general recommendation on which type of material to use, can not be given. Each situation must be evaluated case by case. We can not guaranty tree save® will fulfil its role if the installation was not executed according to instructions, by unqualified person or in case of inappropriate choice of material (dimensioning).

Security Rules

Cabling systems must be installed by qualified arborists using rope access techniques or platforms to access the tree. Please refer for further information to valid law rules on security.

Controls

Cabling systems must be controlled regularly (every year) and after each big storm. A apparent overload signal indicates that the cabling system has absorbed a shock over 75% of its breaking load. The whole system is to replace immediately. The system must also be replaced should any of its components have been damaged. Check your cabling system regularly, even if the overload indicator is not showing.

Recommendation

Components of a cabling system are exposed to UV radiation, acid rains, soot and sand. Replace the whole system at least every 8 years.

Exclusion of liability

The producer excludes all responsibilities in case of damages caused by an installation made not according to instructions or using force, any modification made to the original product, a lack of maintenance and controls.