



## Knotted Fire Hose Cargo Net

With permission, adapted from instructions by  
Sharon Clay, Curator of Animals, Turtle Bay Exploration Park

A knotted fire hose cargo net is a relatively quick and easy way to make a cargo net with no or minimal hardware. It works best with small diameter fire hose (or rope). The cargo net can be hung vertically, diagonally, horizontally, or wrapped around trees, poles or other objects. It can be used for climbing, resting, perching, swinging, foraging, and many other behaviors.



### Safety Concerns

- Ensure that the spaces in the net are at a size that the animal cannot get its head or other body part entrapped in the spaces.
- As with all cargo nets, take care that the animal does not get trapped or tangled in the net.
- As always, check with the veterinarians, curators, and superiors to be sure that this is approved and appropriate for the species of animal and individual animals that you intend to have access to it.

### Items needed

Fire hose (rope can be used instead of fire hose)

Something with which to cut the fire hose (if fire hose will be cut)



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**STEP 1** Tie one end of firehose to a stationary object off the ground and begin tying knots roughly equal distance apart. The distance between the knots will help determine the size of holes in the cargo net and will generally prevent the strips attached to this framing strip from sliding.



**STEP 2** Take a long length of firehose (these instructions used 100' rolls), fold it in half, and tie it onto the knotted length. Do this between each knot. (If you want a very large cargo net, you can tie, sew, or use hardware to attach on end of the fire hose length to the horizontal frame strip. This is usually not as strong as the fold over method shown below.)







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**STEP 3** After all of the hose lengths you want to use are tied on, take the left side of a knot and the right side of another knot and tie them together.



**STEP 4** Continue to tie right and left pieces of neighboring knots down the row until you get to the end and tie the last length of fire hose onto the outer length. Move down to the next row and repeat the knotting process.





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**STEP 5** Continue until you reach the desired length of the cargo net or the end of the fire hose lengths. Tie, sew, or bolt the ends of the fire hose lengths to a horizontal length of firehose with knots placed in it (Similar to the first horizontal “frame” length of fire hose used in STEP 1).

