

Filament Koil™ and Reusable Spool

Assembly & Usage Instructions

Below are the assembly and usage instructions for the Village Plastics Filament Koil.



Gather the components.

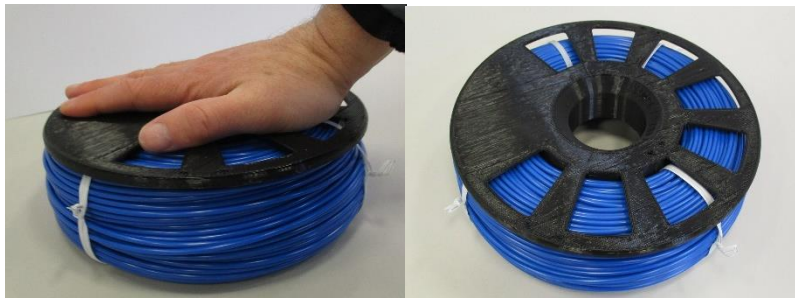
- ❖ You will need a flat surface large enough to hold the Reusable Spool and sturdy enough to be able to be pushed upon.
- ❖ If you need the Reusable Spool you can buy one from KVP, or download the free STL file, from the following locations:
 - Buy the spool: Go to <http://www.villageplastics.com> and go to Products>Accessories for the .75KG/1KG and the 5LB spool options.
 - Print the spool: Go to <http://www.villageplastics.com> and go to Products>Accessories for the free non-commercial STL file link.

Putting the Koil on the Spool.

- ❖ Remove the Koil from its vacuum packaging. Turn the binder ends towards the outer edge of the Koil away from the inside.



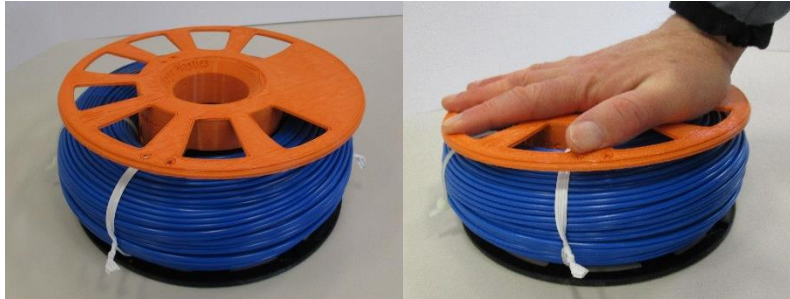
- ❖ Take one half of the Spool and position it over the Koil and press down to seat it fully.



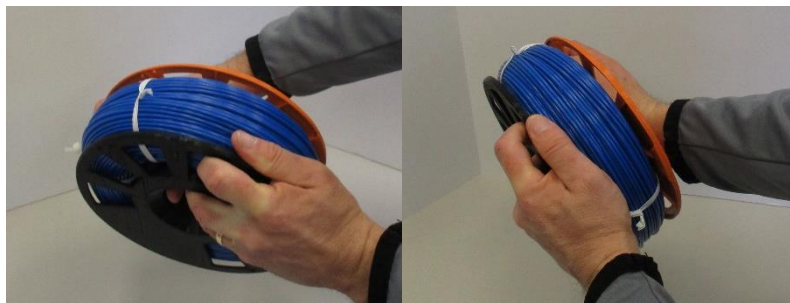
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- ❖ Turn the Koil over and place it spool side down on the table. Take the second half of the spool and place it over the Koil and align the notches in the Spool halves. Push down till the 2 halves seat completely.



- ❖ Pick up the assembly and grasp the two halves and twist them the required quarter turn that will snap the two halves securely together.



Place the extra label included in the packaging upon the spool so that you will know what material the Koil is made of. The Spool is now ready for use in your 3D printer. Don't forget to untwist or cut the ties to free the filament for



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Swapping Koils

If you do not use the entire Koil and want to swap it for another, you will need to first secure the end of the filament.

- ❖ We recommend you use a strip of tape to hold down the loose end on top of the remaining filament to keep the Koil tight.
- ❖ Then you can perform the quarter twist to separate the Spool halves and pull them apart.
- ❖ Once one half is off the Koil you can pull it off the remaining half and then while holding the Koil, you can replace the ties.



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