



**Product ID:**

SE107

**Recommended Age:**

[18-30 Months](#) [3]

**Catalog:**

[Sensorial](#) [4]

**\$109.99**

Quantity \*

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## **Tabs**

### Product Description

In knobless cylinders, there are ten cylinders in each boxes. There will be four different sets of different colored cylinder boxes with differently height, different diameter, different depth and different size.

Four blocks of cylinders, ten in each box:

- 1st- decrease in height as well as in diameter
- 2nd- equal in height but decrease in diameter
- 3rd- decrease in height but increase in diameter
- 4th- decrease in height only.

### Purpose

- To sharpen a child's visual discrimination of graduations of size in a series.
- To develop fine muscle coordination and extended concentration through comparisons of series of different cylinders
- To teach the concept of size and scale
- To develop the child's visual perception of dimension.
- To develop the child's coordination of movement and fine motor control.
- To prepare the child, indirectly, for mathematics by giving the child experiences in comparison, grading and seriation with varying combinations of forty cylinders.
- To provide basic language -important in mathematics.

## Exercise

- First show the child how to carry the box of cylinders to the table, holding with both hands.
- Sit beside the child and place one box of cylinders in front of the child.
- Show how to take the cylinders out from the box by holding them at the top with 3 fingers; giving them the demonstration using your thumb, index and middle finger.
- This will help the children in understanding of the way the cylinder is supposed to be gripped and held.
- Among randomly placed cylinder, show the child how to grade the cylinders
- Now, demonstrate the child how to put them in a tower
- Now the child is allowed to combine 2 or 3 boxes of the cylinders to discover different properties and perform individually
- Use and introduce the terminology big, small, short and tall accordingly for children's better understanding of sizes and dimensions.
- Place the cylinders back into the boxes, starting with the biggest to the smallest. Dismantle and place them randomly.
- Encourage the child to do the activity while you are monitoring each child's movement and performance.

## Related Exercises

The child to work with these boxes should have had practised with four blocks of knobbed cylinders which helps him understand the sizes and their arrangement. The child's practise over pink tower, brown broad stairs and long rods helps him to imagine varied patterns which now are part of his creative. This lays the foundation for working with geometric solids which is related to enhancement of muscular memory. The child's imaginative and creative skills enhanced here lay a profound platform to work with tessellation material, where the child works upon patterns.

## Product Maintenance

- Store in dry and room temperature.
- Do not expose to direct sunlight.
- Use with care, so that the polish does not fade off.
- Keep all the 4 blocks together according to the hierarchy of difficulty.

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### **Sustainable Wood**

All our products are made from sustainable wood.



### **Handcrafted**

All our products are handcrafted by our talented artisans.



### **Non-Toxic Paint**

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### **Made In India**

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### **EN71 and ASTM F963 Certified**

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### **Turn Key Solutions**

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## **Product Demonstration Video**

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**Source URL:** <https://www.montessorimaterials.net/sensorial/knobless-cylinders>

### **Links**

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