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8 // Cylinder dimensions
9 LOWER_LENGTH = 0.05; // Length of the lower cylinder in meters
10 LOWER_RADIUS = 0.007; // Radius of the lower cylinder in meters
11 UPPER_LENGTH = 0.05; // Length of the upper cylinder in meters
12 UPPER_RADIUS = 0.007; // Radius of the upper cylinder in meters
13 MIDDLE_LENGTH = 0.17; // Length of the middle cylinder in meters
14 MIDDLE_RADIUS = 0.011; // Radius of the middle cylinder in meters
15 // Offset for positioning along the X-axis
16 OFFSET = DEFINE_OFFSET;
17
18 // First Cylinder - Lower //
19 // Define points along the axis of the lower cylinder
20 Point(1) = {OFFSET, 0.0, LOWER_LENGTH, h};
21 Point(2) = {OFFSET, 0.0, 0.0, h};
22 // Create line and wire for lower cylinder extrusion
23 Line(1) = {2, 1};
24 Wire(2) = {1};
25 // Disk representing the base of the lower cylinder
26 Disk(1) = {OFFSET, 0.0, LOWER_LENGTH, LOWER_RADIUS};
27 // Extrude the surface to form the first cylinder volume
28 Extrude { Surface{1}; } Using Wire {2}

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