

Engineering And Robotics Learned Young

◇ EARLY ◇

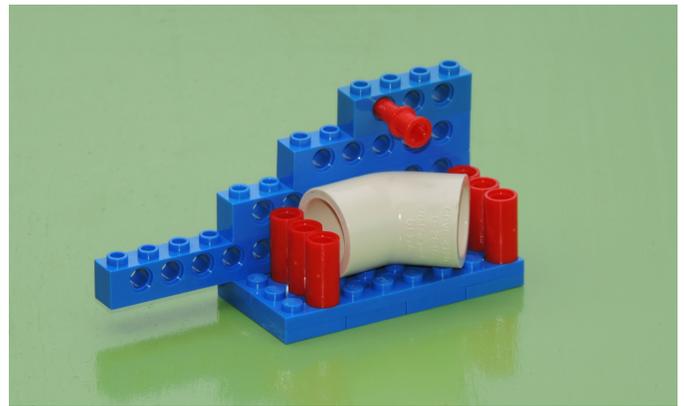
2016-2017 Robotics Competition Mission Object Details

The 2016-2017 EARLY Robotics Competition mission objects are forty nine $\frac{1}{2}$ " Chlorinated PolyVinyl Chloride (CPVC) 45° Couplings representing **Subterranean Exploration Robots**, or **Robomoles**. The following information is provided for the **Robomoles**.

Robomoles



A **Robomole** is represented by a $\frac{1}{2}$ " CPVC 45° coupling



A **Robomole** is about $\frac{7}{8}$ " in diameter and $1\frac{1}{2}$ " long



49 couplings
are used for the mission



Couplings can be purchased
from a variety of hardware, plumbing,
and internet stores

- The mission object is a $\frac{1}{2}$ " Chlorinated PolyVinyl Chloride, or CPVC, 45° coupling. Specifically, the CPVC coupling is technically referred to as a "1/2 inch CPVC CTS 45-Degree Slip x Slip Elbow". Please note that the mission object is a CPVC fitting, not a PVC fitting.
- The coupling is approximately $\frac{7}{8}$ " in diameter and $1\frac{1}{2}$ " long.
- The coupling is referred to as a **Subterranean Exploration Robot**, or **Robomole**.
- There are 49 mission objects required for the mission.
- CPVC couplings can be purchased from a variety of hardware and plumbing supply stores as well as purchased via the internet. An internet search of "1/2 inch CPVC 45 degree elbows" will provide many sources. The Home Depot's product number is #187690, Lowe's product number is #23757, and Supply.com's product number is #470612
- The cost of 50 couplings is approximately twenty dollars.

Please contact Mission.Control@EARLYrobotics.org with any questions or comments.

Thank you for maintaining the spirit of the game!