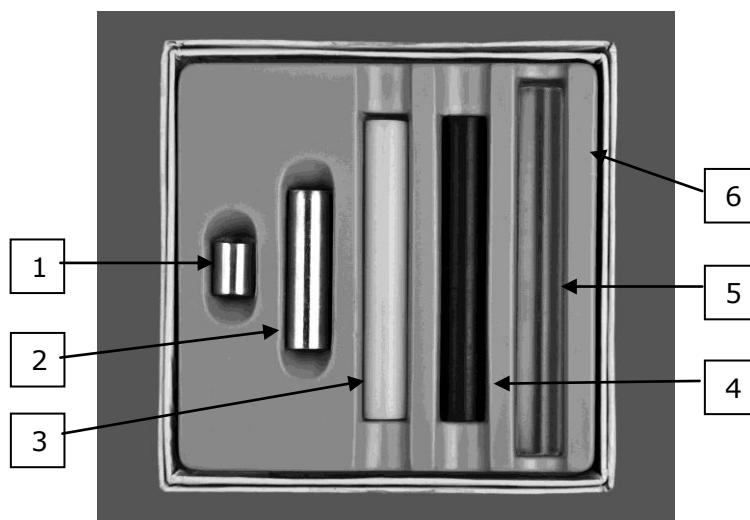


OPERATING INSTRUCTIONS

AND SUGGESTED ACTIVITIES

EQUAL MASS DIVERSE MATERIALS SPECIFIC GRAVITY SPECIMEN SET

SGMD05



DESCRIPTION

The Equal Mass Diverse Materials Specific Gravity Specimen Set SGMD05 consists of five cylindrical samples of different materials. The samples all have the same nominal diameter, and their lengths have been chosen so that they all have the same nominal mass.

The parts of the set are shown in the picture above:

1. Brass specimen
2. Aluminum specimen
3. Nylon specimen
4. PVC specimen
5. Clear Acrylic specimen
6. Storage box with molded insert

SPECIFICATIONS

Diameter of the cylinders:	1.26 cm (0.5")		
Lengths of the cylinders:	Brass	1.54 cm	(0.60")
	Aluminum	4.68 cm	(1.84")
	Nylon	8.80 cm	(3.46")
	PVC	9.01 cm	(3.55")
	Clear Acrylic	10.87 cm	(4.28")
Mass of the cylinders:	16 g		

The standard values for the specific gravity of the five materials are:

Brass: 8.47, Aluminum: 2.73, Nylon: 1.32-1.46, PVC: 1.35-1.45, Clear Acrylic: 1.09-1.14