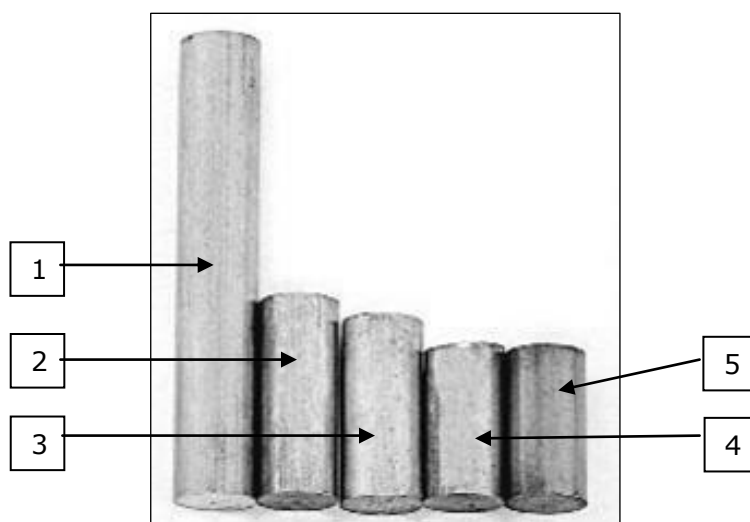


OPERATING INSTRUCTIONS

AND SUGGESTED ACTIVITIES

EQUAL MASS METAL CYLINDERS SPECIFIC GRAVITY SPECIMEN SET

SGMC05



DESCRIPTION

The Equal Mass Diverse Materials Specific Gravity Specimen Set SGDM05 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. Aluminum specimen 2. Zinc specimen 3. Tin specimen
4. Steel specimen 5. Copper specimen

SPECIFICATIONS

Diameter of the cylinders:	1.26 cm (0.5")		
Lengths of the cylinders:	Aluminum	8.81 cm	(3.46")
	Copper	2.70 cm	(1.06")
	Steel	3.06 cm	(1.21")
	Tin	3.29 cm	(1.30")
	Zinc	3.37 cm	(1.33")
Mass of the cylinders:	30 g		

The standard values for the specific gravity of the five materials are:
Aluminum: 2.73, Copper: 8.91, Steel: 7.86, Tin: 7.31, Zinc: 7.14