

CENTRE OF GRAVITY – HOVERING EAGLE

MED 03.11



Material:

Item-no.	Qty.	Description
DM637-1A	1	Hovering eagle

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Purpose

Application of the orientation of the center of gravity
Introduction to the types of equilibrium (in this case: stable)

Preparation

Place the small pyramid on a horizontal, stable surface;
afterwards position the eagle with the tip of its beak on the top of the pyramid.

Experiment

The support point at the top of the pyramid corresponds to the suspension point at the centre of gravity. The eagle's centre of gravity is exactly below it.

Note

A geometric determination of the centre of gravity only applies to homogeneous bodies (made of a material with throughout the same density).

However this eagle is weighted with metal in the wings, therefore the focus shifts in the direction of the (heavier) wings.

