



Material:

Item-no.	Qty.	Description
DS090-3K	1	Claw base "Sepp", 260 x 220 mm
DS141-1R	1	Sliding saddle with bosshead
DS300-50	1	Support rod, squared, L=500 mm, 12x12 mm
DS400-3K	1	Bosshead cross-pattern, Demo, green
DM210-2K	1	Pulley on rod, ball bearing, D=100 mm
DG200-1S	1	Cord, white

Weights on hooks

Purpose

To demonstrate that when two oppositely equal forces are in equilibrium there is no movement.

Preparation

Insert the support rod into the sliding saddle of the claw base.
Fix the cross-patterned bosshead to the upper end of the support rod and insert the pulley on rod into the bosshead.

Make two loops into a piece of cord with a length of approximately 70 cm.

Experiment

Place the cord over the pulley.
Hang two equal weights on hook into the loops of the cord and position them in a different height level.

Conclusion

The two equal forces are always in equilibrium.

Note

If you add an additional weight to one side the balance will be disturbed and result in a movement.