

10-107S Puck Set, Balloon

Purpose:

To provide low friction pucks for collision and motion studies without the necessity of an air table.

Assembly:

Slip the neck of a balloon onto the large end of a rubber stopper. Fasten the balloon to the stopper by wrapping a rubber band around the neck of the balloon three or four times. The balloon can now be inflated. When inflated, place the open end of the rubber stopper on the stem of the puck. The puck is now ready for use. When it is placed on a smooth flat surface, it will float on a thin cushion of air minimizing any resistance to movement due to friction. When choosing replacement balloons, look for balloons with diameters less than the puck diameter. If the balloon is too large, collision experiments may not work because the balloon may collide with the obstacle before the puck does.

Time Allocation:

To prepare this product for an experimental trial should take less than ten minutes. Actual experiments will vary with needs of students and the method of instruction, but are easily concluded within one class period.

Feedback:

If you have a question, a comment, or a suggestion that would improve this product, you may call our toll free number.