LINEAR AIR TRACK – 2.5m air tube & kit

MF0105-001 with assembly kit

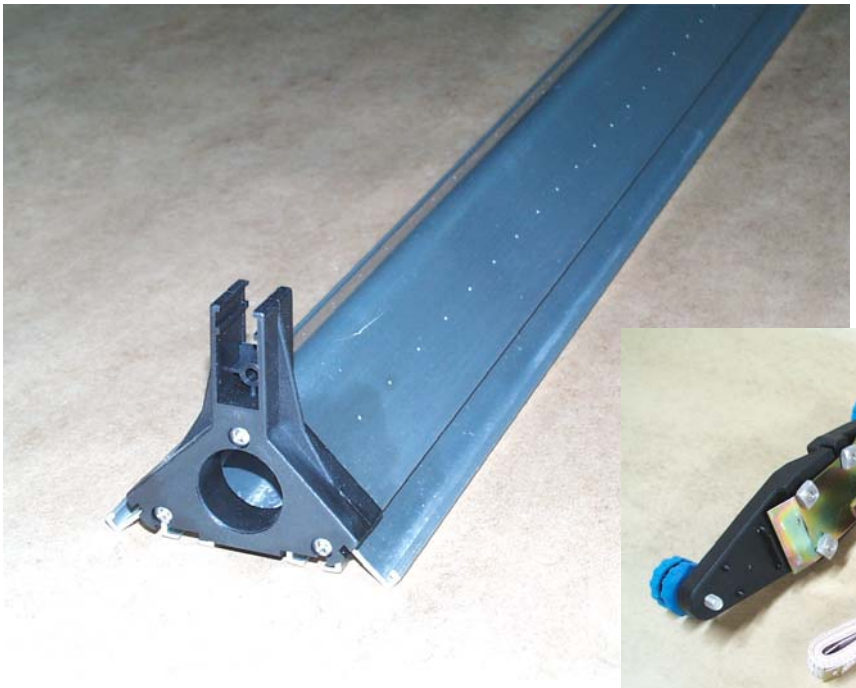
DESCRIPTION: The IEC **'Linear Air Track'** facilitates the study of mechanics, both quantitatively and qualitatively, by providing an almost friction free system on which a large range of experiments may be performed. Great care has been taken in the design and manufacture and, with proper use, it will serve the instructor and student faithfully.

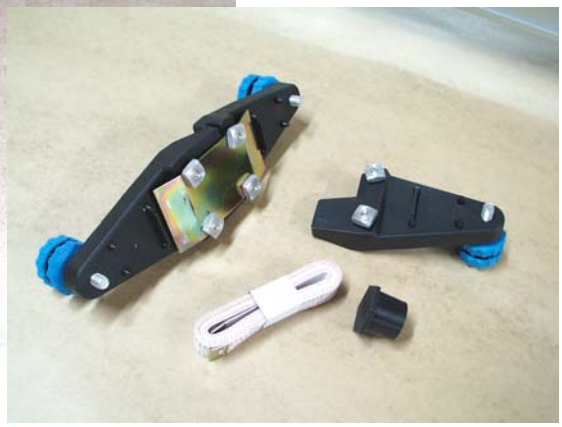
A long straight 90^o triangular shaped tube is mounted on three adjustable feet so that the tube can be made level. The sloping sides of this tube have small holes drilled and air is pumped into the tube from an air blower. Air passes out the small holes in the sloping sides.

Anodised aluminium 'Gliders' with a 90^o internal angle are placed on the air tube and they float on the air passing from the holes. They slide back and forth on the tube with almost zero friction. Spring bumpers are fitted to the ends of the gliders so that when they collide they rebound with almost zero lost energy. Various weights and attachments can be fitted to the gliders for performing various experiments. The motion of the gliders is measured and studied to understand the fundamental principles of motion, mass and direction.

The Air Source for the IEC Air Tracks is the LB0115-002. It is compact, easy to use, it has a variable speed and is very quiet in operation. It is complete with an outer shroud of styrene foam which reduces noise to a minimum but it can be used with or without this shroud.

MF0105-001 2.5m air tube only & assembly kit





Right: Air tube assembly kit

Physical size: 2500mm long x 100mm wide Weight: 3.3 kg

See MF0105Z-001 for complete air track information.

Designed and manufactured in Australia