

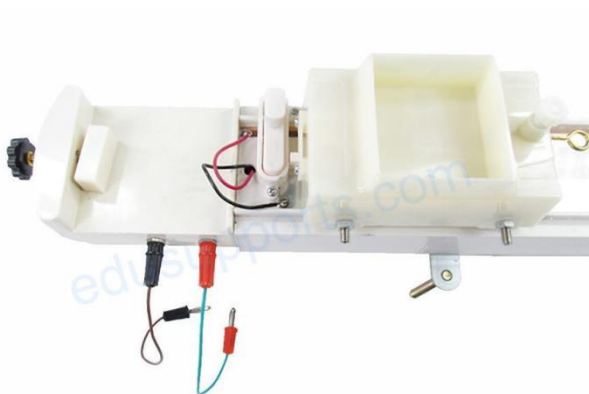
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Dynamic Track Investigating
Force,Mass and Acceleration by
Embedding Paper Tape
0201010310C



[Dynamic Track](#) is designed for students to investigate or experimentally determine the relationships between force, mass, and acceleration. It provides an economical and convincing method to discover Newton's Second Law. [Dynamic Track](#) also can be used to carry investigations into momentum, elastic collisions, transfer of energy, straightforward periodic movement and etc. The results produced by this [Dynamic Track](#) is repeatable, collect and reliable on every occasion due to its distinctive style and prime quality. The smooth guide of the track ensures that the trolley runs straight with a minimum of friction.

The track is made of plastic steel with a length of 1100mm and a width of 70mm. One end of the track is equipped with an electric spark timer frame with a fixing screw, two adjusting screws for adjusting the inclination of the track, two sockets (one red and one black) for spark timer and a spring plate for stopping and releasing the trolley. The other end of the track is equipped with a plunger for catching the trolley and a ϕ 30mm pulley to guide the traction line. The pulley angle is adjustable. The track has a 750mm long and 18mm width black slot on which the paper tape is placed and pressed.

The body of the trolley is made of ABS engineering plastics and the wheels are made of metal materials. The trolley has a compartment on its top to hold additional weights. The front end of the trolley is attached with a hook. The front of the trolley is equipped with a brake calliper that matches with the plunger at the end of the track. The overall size of the trolley is about 110 x 70 x 30mm, and the weight of the trolley is $200g \pm 6g$.

The plastic weight bucket is attached by a hanging thread. the overall size is about $\phi 30 \times 40mm$, and the weight of the bucket is $12g \pm 1g$.

Usually used together with the spark timer.

This [Dynamic Track](#) comes with a track, a trolley, a weight bucket.

[Dynamic Track](#) Investigating Force, Mass and Acceleration by Embedding Paper Tape

Main Technical Parameters

Dynamic Track Investigating Force, Mass and Acceleration by Embedding Paper Tape	Specification
SKU	0201010310B
Track With Pulley	
Length of the Apparatus	1100 mm
Length of the Track	900 mm
Width of the Track	70 mm
Width of the Guide	52 mm
Trolley	
Size	110 x 70 x 30mm

Weights	200g ± 6g
Bucket	
Material	Plastic
Size	φ 30 × 40mm
Weight	12g ± 1g

*Products and configuration list described herein are subject to changes without notice.