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[Friction Apparatus, Advanced](#)

[0201010370B](#)



This [Friction Apparatus,Advanced](#) type is used to demonstrate static friction, sliding friction and rolling friction.Students can investigate friction qualitatively and quantitatively.This [Friction Apparatus, Advanced](#) type includes:

A 200g/2.0N spring scale with a pulley at bottom mounted vertically on one end of a 60cm length flat aluminum alloy base. A 300 mm in length trolley with a 300 mm yellow scale.A 200mm in length friction block with different roughness on face-up and sideways to increase or decrease the friction of the block, a hook on both side of the block.A 60mm in diameter friction column.Two pulleys, one mounted on the spring scale and the other mounted on the flat aluminum alloy base.

Lay the trolley on the alloy base, and then place the friction block/column on the trolley at the position marked 30cm.One thin line passing through the pulley on the spring scale connects the friction block/column and spring scale.Pull the trolley to the right gently at a constant speed and investigate the sliding friction and rolling friction. The friction block can be placed face-up or

sideways to increase or decrease the friction of the block. Students can vary the weight to test their impact on the frictional force. Moreover, let another line passing through the pulley mounted at the end of the alloy base to connect the friction block and the small bucket for loading weights. Add weights into the bucket to study the static friction.

Friction Apparatus, Advanced

Main Technical Parameters

<u>Friction Apparatus,Advanced</u>	Specification
SKU	<u>0201010360B</u>
Dimensions of the aluminum alloy base	600mm x 120mm x 40mm
Dimensions of the trolley	300mm x 60mm x 35mm
Dimensions of the friction block	200mm x 60mm x 30mm
Diameter of the friction column	60mm
The spring scale	200g/2.0N
Weights	10 x 1g

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