

Product Name :

Winch

Product Code :

ALABS-A167-139

**Description :****Winch**

The allows to study a winch concerning its lifting velocity and its load transmission. Additionally, the functioning of a back-run safety device is demonstrated. Load transmission and efficiency can be determined by force equilibrium. Both rope drums are ball-bearing mounted. The forces are generated by sets of weights and can be quickly and easily varied.

Specification:

1. Study of a winch
2. Drum and driving wheel made of aluminium, gear wheels made of POM
3. 2 sets of weights
4. Safety catch prevents reversal of direction of rotation
5. Anodised aluminium base plate

Technical Data:*Drum diameters*

- driving: 220mm

- driven: 110mm

Gear wheels

- small: 12 teeth

- large: 60 teeth

- module: 2mm each

Total transmission ratio: 10

Sets of weights

- drum: 1x50N, 2x20N, 1x10N

- driving wheel: 1x5N, 4x2N, 1x1N, 1x0,5N, 1x0,5N (guide rod)



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