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Product Name :	**Product Code :**
Belt Drive and Belt Friction	TN422

Description :

Belt Drive and Belt Friction

Technical Specification :

Belt Drive and Belt Friction
The unit is perform the following experiments and investigations:
Learning Objectives / Experiments:
Effect of wrap angle, coefficient of friction and cable force.
Comparison of flat belts and V-belts.
Consequences of an un adapted V-belt groove.

Specification:
Function of a belt drive
Belt friction and comparison of different belt materials and types
Ball-bearing mounted pulley with 3 different belt grooves
2 flat belts made of different materials, 1 v-belt and 1 cable
Wrap angle of the belts 30°...180°, graduation 15°
Force measurement with 2 spring balances.
Technical Data:
Flat belts
1x leather/polyamide, 15x2,2mm
1x polyamide, 15x0,6mm
V-belt
Profile: SPZ

9,7x8,0mm, rubber/fabric
Cable
Hemp, Ø=3mm
Pulley
Ø=300mm
Material: grey iron
Dynamometer: 100N ±1N
Dimensions and Weight
Length x Width x Height: 700x350x1100mm
Weight: 47kg

Naugralabequipments

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