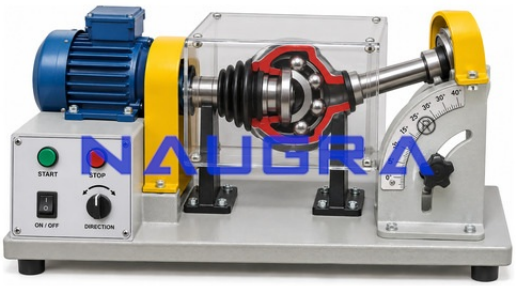
Product name:	Product code:
CONSTANT VELOCITY JOINT	APE-0007



Description

CONSTANT VELOCITY JOINT

Technical specification

This mechanism demonstrates relative angular motion between two intersecting shafts through shifting balls as found in front drive shafts of an automobile. The angle between input and output shafts is adjustable.
This apparatus is designed to demonstrate the working of constant velocity joints. In CV joint power is transmitted from the driving shaft to the driven shaft at constant velocity at any rotational angle without any reasonable increase in friction and play.
This apparatus consist of two axles containing CV joint at its one end and an angular scale at the other end. Whole mechanism is placed on supports, having angular scale at the bottom. The disclosure describes a constant velocity joint assembly for use in transmitting torque. The constant velocity joint assembly includes members that are connected in series via tongue-and-groove connections in a swivel joint pattern that allows for transferring torque between two skew lines, and further provide freedom of movement such that rotation about one longitudinal axis can be transformed into rotation about another longitudinal axis that is not aligned with the first longitudinal axis. Thus, the members of the constant velocity joint assembly do not necessarily need to share a common longitudinal axis.

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