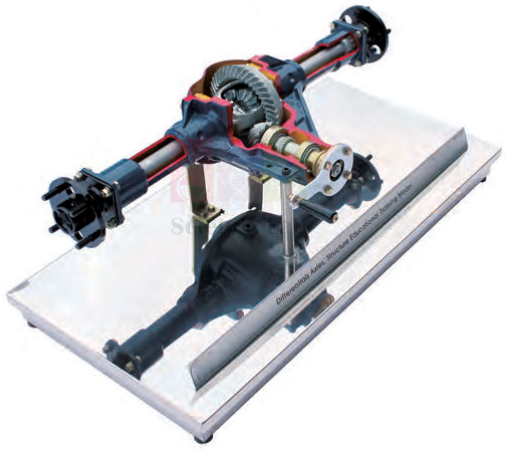
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Product Name :

Differential Gear

Product Code :

SLE/ATE/25



Email : sales@scilabexport.com
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Description :

Differential Gear (Product Code: SLE/ATE/25) is a manually operated cut-section trainer used to teach how a vehicle differential divides driving power between the wheels in automobile engineering classrooms and workshops. Built around a real axle differential, it lets ITI, polytechnic and engineering students turn the gears by hand and follow each colour-painted part.
Jain Scientific Equipments Pvt Ltd (ScienceLab), an OEM manufacturer of engineering lab equipment in India, builds it at its own factory in Ambala, India.

Specifications

Parameter	Detail
Composition	Differential gear (real axle)
Operation	Manual type — gear movement observed by hand operation
Construction	Structure education unit with incised (cut-away) sections
Colour coding	Incised sections painted in different colours for teaching clarity
Weight	Approx. 40 kg
Size	Approx. 800 × 500 × 300 mm
Product code	SLE/ATE/25
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Differential Gear Trainer Used For?

In a driveline lesson the instructor first rotates the input with both wheel ends free, so the class sees the two sides turn together, and then holds one side still to show how the differential lets the opposite side speed up. This is the same action that allows a vehicle to take a corner without the inner and outer wheels fighting each other. Because each cut section carries its own colour, learners can trace the power path through the differential to each axle shaft and explain the job of every part before they dismantle a real vehicle.

At roughly 40 kg the unit sits comfortably on a sturdy workbench or trolley, which suits lab equipments for technical institutes where one trainer is shared between several classes; plan on two people for lifting. Keep the exposed gear teeth free of dust, and turn the assembly slowly during demonstrations so students can follow each gear in turn.

OEM Manufacturer

Jain Scientific Equipments Private Limited, which trades as **ScienceLab**, is the OEM (original equipment manufacturer) of this Differential Gear trainer. The cut-section unit is made and assembled at the company's own licensed factory at Saha, Ambala, Haryana, India, rather than sourced from a trader, so colleges and dealers deal directly with the maker. For vendor regist is 3358

Rela