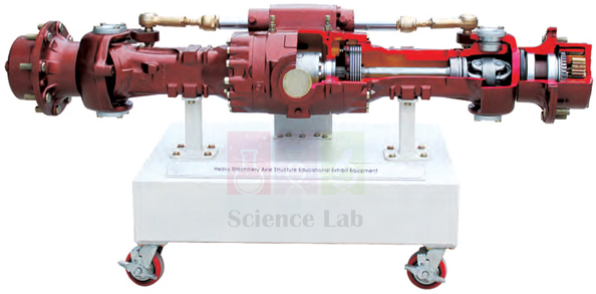
Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Heavy Duty Vehicles Differential Gear Model

Product Code :

SLE/ATE/26



Description :

Heavy Duty Vehicles Differential Gear Model (Product Code: SLE/ATE/26) is an opened-up heavy machinery differential used to train mechanics in the inspection and troubleshooting of heavy vehicle axles in workshops and vocational institutes. Its distinguishing feature is that the planetary gear can be seen directly on the wheel, alongside colour-coded components on a wheeled steel stand. The model is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM and vocational training lab equipment manufacturer in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Composition	Large heavy machinery differential gear
Visibility	Parts not visible on an actual unit are opened up; planetary gear can be seen directly on the wheel
Colour coding	Each component coloured differently for educational effect
Stand	Steel frame with 5-inch lockable wheels
Weight	Approx. 150 kg
Size	Approx. 2,000 × 800 × 500 mm
Training focus	Component identification, operating state, inspection and troubleshooting
Product code	SLE/ATE/26
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Heavy Duty Differential Gear Model Used For?

Heavy machines usually add a final reduction stage at the wheel hub, and this model makes that arrangement visible: trainees can follow drive from the differential out along the axle to the planetary set on the wheel and see why torque is multiplied close to the tyre rather than through the half-shafts. Instructors use it to walk a group through an inspection routine — where each component sits, what its normal operating state looks like and which part is likely to cause symptoms such as noise, uneven drive or overheating at one wheel end.

Because the steel frame runs on lockable wheels, the model can be rolled between workshop bays and locked in place before a session; allow clear floor space around its 2-metre length so a class can walk around both sides. As engineering lab equipment in India's heavy-equipment training centres, it also works well for assessment, with trainees asked to point out and name components against the colour coding.

OEM Manufacturer

Scien
(origi
whee
Harv