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Product Name :

FF Auto Transmission Stand Type

Product Code :

SLE/ATE/08



Science Lab
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Description :

Sectioned for teaching, the FF Auto Transmission Stand Type shows an FFautomatic transmission with 4 forward speeds and 1 reverse, together with its cut-open torque converter. Each incised section carries its own colour of vehicle paint.The unit weighs about 60 kg and sits on a steel stand with 4-inch urethane castorwheels, so it can be wheeled between rooms.

Four-speed FF automatic transmission stand specifications

Parameter	Detail
Composition	FF automatic transmission, torque converter
Gears	4-speed forward, 1-speed reverse
Torque converter	Incised (cut open) for structure education
Stand	Steel stand, 4 wheel caster with 4-inch urethane wheels
Finish	Vehicle paint for painting and coating; each incised section painted a different colour
Weight	Approx. 60 kg
Size	Approx. 800 × 600 × 1,000 mm
Product code	SLE/ATE/08
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Cutaway lessons on the four-speed automatic stand

Naming the converter parts. On the incised torque converter, students find the impeller driven by the engine, the turbine that drives the gearbox and the stator between them, using the colours to tell them apart. Each student then writes one line on what that part does as the car pulls away.

Standing still in gear. Ask why an automatic car can idle in drive while held on the brake. Then compare the answer with the friction clutch on the clutch structure trainer hydraulic manual, which the driver must disengage with the pedal before the car can stop in gear.

Four ratios and reverse. Students trace the sectioned parts that give the four forward speeds and reverse. They then turn to the cut model of planetary gear system to see how holding one member of a gear set changes the ratio.

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