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Product Name :

Energy Transfer Balls

Product Code :

SLE/H/16



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Description :

Energy Transfer Balls (Product Code: SLE/H/16) are a pair of steel balls that make the link between motion and heat impossible to forget. When the two balls collide on a piece of paper, the impact generates enough heat to burn a hole in it — a vivid, quick transformation of mechanical energy into heat energy. Teachers use them to open or round off lessons on energy conservation and heat, and they are made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, as a compact demonstration kit within its physics lab equipment in India, for schools andinternational markets.

Key Details

Parameter	Detail
Type	Energy transformation demonstration
Contents	2 steel balls
Effect shown	The collision generates enough heat to burn a hole in a piece of paper
Concept	Mechanical energy transformed into heat energy
Supplied with	Instructions
Suitable for	Teacher demonstrations and supervised student activities in energyand heat units

Typical Use

Ask the class to predict what will happen, then place a small piece of paper on one ball and bring the second ball down sharply onto it. Holding the paper up to the light reveals a tiny scorched hole where the balls met. The discussion that follows is the real lesson: the kinetic energy of the moving ball is not lost but is concentrated as internal energy at a very small contact point, raising the temperature enough to char the paper. Everyday links — a hammered nail feeling warm, brakes heating up on a long descent — help students see the same principle outside the lab.

The demonstration takes seconds and needs no power or setup, so it slots easily into a busy period or a revision class, and it complements other physics lab equipment for schools in India and overseas that deals with heat and energy. Wear safety goggles, keep fingers well away from the point of impact, and use thin paper so the result is easy to see. Wipe the balls dry after use so the steel stays clean.

Manufacturer

These steel balls are produced by **Jain Scientific Equipments Private Limited**, which trades as **ScienceLab** from Ambala, Haryana. The company is an incorporated private limited company (CIN U29309HR2020PTC087597) and manufactures at its licensed factory at 449, HSIIDC Industrial Area, Saha, Ambala (Factory Licence AMB-ONLINE-CHD-J-414). Read the company profile for more about us.

Rela

Other

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