

Structures & Mechanisms

Across

- Two forces acting inline pulling away from the object. (7)
- Word for a weight or force acting on an object. (4)
- Turning in the same direction as the hands on a clock face. (9)
- Moving in a circle in one direction. (6)
- Stroke which allows the air/fuel mixture into an engine. (9)
- Acts like a belt but is found on bicycles. (5)
- Two lines equidistant from each other. (8)
- Allows the air/fuel mixture into the engine. (10)
- Moving forwards and backwards in a straight line. (13)
- Used with a Worm gear. (9)
- A guide and support for a moving part of a mechanism. (7)
- Part of an engine on which the Cams are. (8)
- The name for the gear that moves a Rack. (6)
- Turns rotary motion into Reciprocating motion. (3)
- An object which can carry a load. (9)
- Allows the exhaust gasses out of the engine. (11)
- Mechanism which allows two shafts to be engaged or disengaged easily. (6)
- Used to apply turning force to a bar or shaft. (5)
- Ignites the air/fuel mixture in an engine. (9)
- Part of an engine attached to all pistons. (10)

Down

- Turned by a chain. (8)
- Moving forwards and backwards in a circle. (11)
- Guide for the piston in the engine. (8)
- A method of making Structure stable. (13)
- Slider part of an engine which goes up and down. (6)
- Anything which moves has this. (6)
- Allows turning in one direction only. (7)
- Two forces acting inline towards each other or the stroke in an engine which squeezes the air/fuel mixture. (11)
- Used with a belt to transfer rotary motion. (6)
- Engine part which holds the piston onto the Connecting Rod. (10)
- A rigid body free to rotate around a fixed point. (5)
- The work or force needed to do something. (6)
- Two twisting forces acting in opposite directions. (7)
- Used to transfer rotary motion without slippage. (4)
- Connects the Piston to the Crankshaft. (13)
- The fixed point around which a rigid body is free to rotate. (7)
- Stroke which pushes the piston down in an engine. (5)
- A type of gear that can transfer rotary motion through an angle. (9)
- A Spur Gear used only to make the driver and the driven gears turn in the same direction. (9)
- Two or more forces acting in opposite directions towards each other but not inline. (5)
- Stroke which allows the waste gasses out of the engine. (7)
- A number of levers working together. (7)
- Movement in a straight line in one direction. (6)
- A flat gear which can be found on the Lathe and Drilling Machines. (4)