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Belt Drive Opener

This is a type of opener which uses a belt for moving the trolley along the rail to enable the opening and closing of the overhead garage door. The belt can be made from different materials. These include fiberglass and rubber which has special steel reinforcement or polyurethane.

2

Cable Ferrule

This is a metal ring which is attached to the end of a garage door cable through compression. The ring forms a loop which allows the cable to be connected to the door via a specially designed bracket. The loops can have different shapes and sizes.

3

Center Hinges

These are garage door hinges which are located in the central section of the door. Their job is to connect the sections of the overhead door to each other and to enable their breaking when the door opens and closes. They are typically made from galvanized steel.

4

Decorative Hardware

These are metal components which are installed on the overhead garage door, but do not perform any practical function. They often mimic functional components, but are used for decoration only. The main types of decorative components include handles, plates, hinges, and nails. They can be made from steel, iron or another metal.

5

Flag Bracket

This is a bracket in the shape of the letter L. It is used to connect the vertical and horizontal garage door tracks at their intersection and is usually made from galvanized steel so that it is at lower risk of corrosion.

6

Garage Door Overlay

This is PVC molding which forms a separate layer in the overhead door design. It is typically infused to a steel layer and this makes it permanent. The overlay has decorative purpose and in most cases, it mimics natural wood. It can come in a wide variety of colors.

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Garage Door Struts

These are thick steel components which work to stiffen the door sections and to reduce the risk of them deflecting when they are in horizontal position. They are used to reinforce the door and to increase its wind load capacity so that it is better protected in case of hurricane wind.

8

Garage Door Trajectory

This is the imaginary arc which the top of the overhead door makes when it travels from fully closed to fully opened position. It is measured during door installation to ensure that the door will move safely along the tracks without getting into contact with the frame or the wall above it.

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Jackshaft Operator

This is a garage door opener designed for operating roll up doors. It is mounted on the wall beside the door. It is connected to the shaft which the torsion spring runs over and works by turning the shaft so the sections of the door are rolled around it during opening and released during closing.

10

Metal Component Gauge

The gauge is the formal measure of the thickness of metals. The lower the gauge is the thicker the metal component is. A component with greater thickness is stronger than a component with smaller thickness all other things being equal. This measure is particularly important for garage door hinges and tracks.

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Moving Metal Parts

These are all hardware components which are made from metal and make movements to enable the opening and closing of the overhead door. The list includes the garage door torsion spring or set of extension springs, hinges and rollers plus the bearings of the sheaves. All of these components require lubrication maintenance.

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Opener Accessories

These are all devices and other items which contribute to the operation of the opener, but are not among its essential features. The most widely used accessories include remote controls, safety sensors, and wall mounted buttons and access keypads. Battery backup units, extension kits and lubrication kits can also be added to the accessory range.

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Sandwich Design

This is an overhead door design which has three layers. The two outer layers are made from steel and hold a layer of insulation between them just like a sandwich. The insulation material, which is most often polyurethane, improves the energy efficiency of the door.

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Side Room Measurement

This is the distance between each side of the overhead garage door and the first obstruction along the wall surrounding the door. It is measured to determine the free space which is available for the installation of the vertical tracks. The distance is typically measured before a door is selected.

15

Spring Bumper

This is a small bumper which uses spring cushioning. It is attached to the end of the horizontal garage door track to stop the door when it is in fully opened position. One bumper is set at the end of each track during the installation process.

16

Torsion Spring

This is a garage door part made from steel wire which forms coils. The torsion spring goes over a shaft which is fixed above the overhead door. Its job is to counterbalance the weight of the door. It winds and unwinds the door during opening and closing.

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Track Radius

This is the curved section of the horizontal track. It forms the connection with the vertical track. This is the section where the door's panels reverse position during opening and closing. Its preferred size is determined by the amount of free space between the top of the door and the ceiling.

18

Vinyl Garage Door

This material is used for the making of the garage door panels because of its high weather resistance. It cannot get damaged by water and is highly resistant to UV damage. The vinyl doors are widely used in coastal areas as they can withstand the harmful impact of the sand and salt carried by the wind.

19

Weather Strips

These are rubber or vinyl pieces which are designed to be attached to the bottom, sides, and top of the overhead garage door. They seal the gaps between the door, floor, and frame. That is why they are often referred to as weather seals.

20

Winding Cone

This is a moving metal sleeves which is fitted into a garage door torsion spring. It enables the spring's winding during the opening of the overhead door and is used for the adjustment of the component's tension so that proper balance is achieved.

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