

Glossary

A

A-Frame

Support member used to fasten torsion spring assembly of a vertical lift door to the wall above the door opening.

Adjusting Cone (Winding Sleeve, Winding Cone)

Part that fits into torsion spring permitting winding and tension adjustment.

Angle-Mounted Track

A method of fastening vertical track to a doorjamb using a fully adjustable continuous angle.

Astragal

Weather-strip attached to the bottom of the door to seal it against the floor.

B

Backroom

The distance from the door opening into the building to the first obstruction at the required headroom.

Barrel

The core of the roll up door which totally encloses the drums, springs and axle. Reduces door sag, eliminates drum dents and improves operation due to an even support of the curtain for the entire width.

Booster Spring

Additional spring provided to compensate for weakened counterbalance. (Usually extension spring.)

Bottom Bar

Roll formed clear acrylic coated galvanized steel, reinforced with a 1-1/2" x 1-1/2" 11 gauge full width galvanized angle that extends fully into the guides. The PVC bulb astragal provides positive contact with floor.

Bottom Fixture (Bottom Corner Bracket)

A structural support located on the bottom section, which hold track rollers and provide for attachment of the lifting cables on the sectional doors.

Bracket Mounted

Method of fastening vertical track to a doorjamb using jamb brackets.

C

Cable Clamps

A manufactured device used to secure two pieces of cable to each other. Size of clamp is determined by the cable diameter.

Cable Drums

Grooved drums fitted on torsion spring shaft onto which lifting cable is wound when door is opened.

Cable Safety Device

A safety bottom fixture specifically designed to prevent a door from falling in the event of cable breakage.

Carry-Away Post

A lightweight extruded aluminum post/track assembly which substitutes for door jamb in multiple door installations where a clear span is required. Can be released and carried from opening.

Center Hinge

Flat hinge located on all intermediate stiles to allow for section break as door operates.

Center Lift Cable

An additional lifting cable attached to the exterior of the door to provide support for extra wide or heavy doors.

Center Stile/Stile/Mullion/ Mutt

Vertical members of a door section which provide structural rigidity and location for center hinge attachment.

Chain Hoist

Refers to sprocket or pocket wheel attached to shaft with chain operation giving varying mechanical advantage in various ratios.

Contour Track

Special horizontal track with more than one radius used in specialty applications.

Corner Bracket

See Bottom Fixture.

Counterweight

Refers to design of door mechanisms using weights instead of springs to counterbalance door weight.

Cycle

One full opening and closing operation of a sectional door.

D

DASMA

Door and Access System Manufacturing Association. International manufacturing trade association with 5 divisions: residential &

commercial sectional doors; rolling doors; operator & electronics; specialty; and association division.

Dead Axle

A coiling door barrel that remains still while the door rotates around it. Allows for a straighter travel path of the door curtain in the guides.

Dead Load

A static applied load. A load without movement.

Double Car (DC)

Door section width > 10' 1".

Double Low Headroom Track

Special horizontal track with a pair of tracks used to reduce the high point of travel of the top section of a door to permit installation in a low headroom application.

Double Shaft

Double torsion spring shaft used when additional space is required to accommodate counterbalance spring wire.

Drive End

End of drum where operation of door is performed.

Duplex Spring

A combination of two torsion springs of different diameters telescoped within common spring plugs.

E**Edge Hinge (Roller Hinge)**

Graduated hinge, which is attached to end stile of the door sections to carry track rollers and allows for section breaks as a garage door operates.

Electric Interlock

Interlock to prevent door operation by electric motor under specific circumstances.

Electric Opener

Electric motorized device to control door cycling.

Electrical Operation Kit (EO Kit)

A device which equips the door for wall mounted jackshaft electric operators.

End Stile

Stile located at each end of a door section, which provides for attachment of edge hinges. These stiles carry the total section load and should be of superior strength to provide structural integrity.

Extension Spring

Counterbalance springs, which provide lifting power by stretching. Generally mounted above horizontal tracks.

Exterior Lock

Keyed lock, which can be operated on exterior of the door.

F**Ferrules**

A metal ring or cap that is affixed to a cable so as to form a bottom or loop on the end of the cable.

Finished Opening

The size of the actual finished opening after framed and trimmed.

G**GDO's**

Garage Door Openers

Graduated Seal

Design of tapered vertical track and a graduated height of edge hinges, which assure a weathertight, fit between door and jamb.

Guides

The steel bars which are mounted and have the door curtain fed into when installing a door. Janus universal mount galvanized steel guides require no pre-installation modifications for wood, steel, concrete or masonry block applications. They are fitted with dual polyethylene wear strips to reduce friction and muffle door noises.

H**Head Stops**

Galvanized, guide mounted steel slots which prevent curtain over travel when raising the door.

Headroom

The distance above the top of the door opening to the nearest obstruction.

Headplate

Special plate attached to front of horizontal tracks for limited sideroom application.

Header Seal

Weather-stripping which fastens to the top of the door to seal the door along the top of the opening.

High Lift

See Lift Clearance.

High Cycle Springs

Special counterbalance springs with increased cycle lift capability for high usage doors.

Horizontal Track Assembly

An assembly made up of a piece of track and which can be reinforced with a piece of angle that is used to both guide and support the door in the horizontal position.

I**IDA International Door Association**

The dealer/installer trade association.

Inclined Track

A horizontal track that follows the slope or slant of a building roof line.

Inside Lock

Spring loaded, sliding deadbolt lock operated only from interior of the door.

Insulation

An extra layer affixed to the door steel which is a foil backed, dual layer of heavy-duty polyethylene air-bubble insulation secured in place with a strong adhesive and joined by mylar film to provide an R value of 4.

J**Jackshaft Opener**

Electric operator which mounts on the wall or ceiling and directly drives torsion spring shaft.

Jamb

Either of the two vertical pieces framing the doorway.

Jamb Angle (Jamb Bracket)

"L" shaped bracket used to fasten vertical tracks to doorjamb.

Jamb Seal

Weather-stripping attached to doorjamb to help seal door along the jamb.

Joint Seal

Weather-stripping attached to door section meeting edges to seal door between sections.

K**L****Lap Jamb**

Condition where door sections lap the door opening one inch on each jamb.

Lateral Force

A force applied from or toward the side.

Lift Clearance

The distance above the top of the door opening to the centerline of the horizontal track. This term is often confused with the term "headroom."

Lite

Term for windows in sectional doors.

Low Headroom

Hardware accessories to provide for door installation with minimum headroom conditions. Usually less than 16" headroom.

M**Metallurgist Report**

A report of document that describes the composition of a material.

Mill Certification

A report or document from the producing mill that provides all pertinent data relative to the composition, structure, heat, etc. of a given material.

Mounting Brackets

Steel structures which attach to the guides. Engineered and designed with deep embossing for strength, and are independently tested to withstand more than 2,700 pounds per pair. Janus installation-friendly mounting brackets feature safe rounded edges and slots that allow for easy vertical adjustments as well as various installation preferences.

Mounting Plates

Used for steel mounting application.

Mullion

A slender dividing bar fixed or removable between two doors. Usually designed to carry wind load and not vertical load.

N**Normal Headroom**

Hardware standard to provide for door installation with standard headroom conditions. Usually 16" to 24" of headroom.

O**One Piece Door**

Also known as Shin-busters. A door that operates as one-piece, rather than a door made of multiple sections.

Open Back Door

Hollow door with no insulation or back.

Opening

Area of the garage exterior where a garage door will hang for closure.

Opening Height

Distance from garage floor to the top of an opening.

Opening Width

Distance between left and right jambs of an opening.

Opener / Operator

A device used to control the up and down motion of a door.

Outside Hook-Up

Bottom fixture with an arm that bends around vertical track to receive lifting cables. Generally used with low headroom hardware.

P

Panel

The area between stiles in a door section. The "look" of a door is considered the "panel style."

Pawl

The small "latch" on the ratchet tensioner that lifts in order to change door tension; when closed it locks the selected tension in place.

Pass Door

Entry person door which is built-in to a sectional door.

Perimeter Seal

Complete weatherstripping package for sectional doors consisting of astragal, jamb seal and header seal.

Plumb

Leveling of vertical guides/jambs.

Pocket Wheel

A wheel or drum machined in a way to receive the individual links of a chain. Used to transmit direct power.

Push Down Spring Bumper

Spring-activated push rods mounted on horizontal tracks to force door down during closing portion of door cycle. Generally used with jackshaft type operator or manual chain hoist with standard lift.

Push Up Operation

Manual opening/closing of door.

Q

R

Radial Force

A force generated from the center of an object toward the outside.

Ratchet Tensioning Device

Simpler mechanism to adjust tension while more accurately fine tuning all the springs on the door at the same time.

Reduced Drive Chain Hoist (RDCH)

Modifies door operation from manual to reduced drive chain hoist operation-- requires 3-3/4" of additional side room in the header.

Reverse Coil

When door is mounted on the outside of the building and color of the curtain needs to be on the inside of the coil to be seen in the down position

Rollers

Steel and nylon, usually with ball-bearing wheels that allow sections to roll freely along door tracks.

R-Value

R-value is a measurement of thermal efficiency of a garage door, or how well the garage door insulates. The higher the R-value, the increased thermal efficiency of a garage door. Be aware that manufacturer's R-value calculations may vary. To compare R-value, make sure manufacturers follow the DASMA (Door and Access Systems Manufacturers Association) guidelines by stating Calculated door section R-value is in accordance with DASMA TDS-163.

S

Sandwich Door

Triple-Layer: Steel + Insulation + Steel Interior. Classica 3000 and Stratford 3000 (residential) and Models 2700, 1380, 1350, & 1000 (commercial).

Section

Individual components of a garage door. Garage doors are made up of multiple sections to fill the appropriate height of a garage opening. 7' tall doors are typically comprised of 4 sections spanning the width of an opening. 7' tall doors in the Amarr Classica Collection are made with 3 sections to provide a more vertical, authentic carriage house door look.

Shaft Bearings

A free rolling, cylindrical, ball bearing that is used to guide the torsion shaft, maintain alignment, and reduce friction.

Sheaves

A pulley with a ball bearing built into it that is designed to handle a cable and used to control the movement of the cables employed in door counter balance system.

Side Bearing Plate (End Bearing Plate)

A bracket that attaches to the horizontal supports and possibly the wall to provide a bearing surface for the torsion shaft near the ends.

Side Draft Stop

2-1/4" black neoprene stripping with a return for affixing directly to the guides, this seal provides a barrier against the elements. Select a length greater than or equal to your door height. The price covers two strips for your door height, one per side.

Sideroom

Distance from each doorjamb to the nearest obstruction.

Single Car (SC)

Door section width < 10'

Spring Assembly

Hardware used to make up door counter-balance assembly.

Spring Bumper

Small spring-cushioned bumper attached to horizontal track to stop door at full open position.

Spring Pad (Center Bearing Plate)

Plate or bracket which is located on the wall above door opening to receive torsion spring assembly support brackets.

Spring Fittings

The sleeves or cones that are used to adapt the torsion springs to the torsion shaft. Torsion springs usually have two fittings or cones. One is a stationary sleeve or spring retainer, while the second piece is an adjusting cone or winding sleeve.

Spring Tension

Adjusting the tension to make sure the door opens easily; not too loosely or with too much force.

Stationary Sleeves (Spring Retainers)

Part that fits into the end of a torsion spring permitting the spring to be anchored to the spring anchor plate.

Steel Gauge

Steel gauge is the thickness of the steel material used in garage doors. The lower the steel gauge number the thicker the steel.

Real steel gauge is the true thickness of the steel material. Nominal steel gauge is the average thickness of the steel material used in production due to a plus/minus tolerance level. Real steel gauge is the minimum gauge of steel material used in production.

Stiles

Vertical members of a door section which provide structural rigidity and a location for hinge attachment. Generic term.

Strut

Support stiffener used to increase wind load capacities of a door, as well as reduce deflection of a door section in the horizontal position.

Super Durable Polyester Paint

Long lasting paint system used only by Janus International which has greater strength and durability. Backed by a 40 year film integrity and 25 year no-fade limited paint warranty.

Swing-Up Post

An extruded aluminum post which substitutes for doorjamb in multiple door installations where a clear span is required. Operated by a hand winch or electric operator, it swings up parallel to header.

T**Tapered Vertical Track**

Refers to the graduated spacing of the vertical track away from the jamb permitting weather-tight closing of door against jamb.

Tensioner – see Ratchet Tensioning Device

Top Draft Stop

2-1/4" black neoprene stripping with a return for affixing directly to the door curtain where it meets the top of the opening, this seal provides a barrier against the elements. Select a length greater than or equal to your door width.

Top Fixture

Adjustable brackets, which usually carry track rollers, mounted on the top corners of the top section of the sectional door.

Torsion Shaft

The shaft of a torsion spring assembly, which transmits lifting power of the torsion springs to cable drums and lifting cables.

Torsion Springs

Counterbalance springs which provide balancing power by winding and unwinding through door cycle.

Track

Channel shaped metal bars that guide rollers on sectional garage doors.

Trajectory

The arc of travel or sweep of the top section as the door is raised from closed to open position.

Trolley Operator

Electric operator, which mounts above the door in the horizontal position and lifts door by pulling, and pushing the top section. Specifically designed for normal headroom and low headroom doors.

Truss (Struts)

Support stiffener used to increase wind load capacities of a door as well as reduce deflection of the door sections in the horizontal position.

U**Upper Vertical Track**

Horizontal track assembly on a vertical lift door.

V**Vertical Lift**

Refers to a hardware design that causes doors to open vertically, no horizontal tracks required. This hardware is normally operated with spring counterbalance, but also possible with weight counterbalance.

Vertical Track

Track assembly mounted to door opening jambs to guide and support a sectional door in the "closed" or "vertical" position.

Vision Panels

A small 5"x17" window which provide outside visibility and allows light entry into a roll up door. Constructed of a translucent polycarbonate panel inside a glossy white 20 gauge frame, the panels create no interference with the operation of the door. The location and number of vision panels are limited by door size.

W**Wind Load**

The amount of force (in PSF) exerted by the wind along the face of the door as it stands in the opening.

Winding Sleeve (Adjusting Cone)

Part that fits into torsion spring permitting winding and tension adjustment.

X**Y****Z**