



**DASMA**  
Door & Access Systems  
Manufacturers Association  
International

COMMERCIAL & RESIDENTIAL GARAGE DOOR DIVISION

# TECHNICAL DATA SHEET

## #160

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## Sectional Garage Door Terminology

An industry terminology standard can prove to be a helpful document:

- To facilitate communication between parties within the industry.
- To improve the effectiveness of industry standards and other documents.
- To reduce potential confusion and misunderstanding by recognizing and cross-referencing multiple terms that may have the same definition.
- To educate interested parties outside an industry.

The members of DASMA have compiled an extensive list of terms and definitions related to the sectional garage door industry to achieve these objectives.

The terminology information encompasses many common terms used in the sectional garage door industry. You will note that some terms are cross-referenced to a “primary” term. The “primary” term is the one that would be used most often in DASMA standards and technical publications.

Concerning the term and definitions contained in this Technical Data Sheet, please note the following:

- This Technical Data Sheet is not to be construed as a standard-type document, and therefore the terms and definitions contained therein do not imply or suggest a given use to particular manufacturer.
- This Technical Data Sheet includes a compilation of commonly used terms, and may not be considered complete from an industry viewpoint.
- The terms and definitions are not universal. Variations within the industry may exist with regard to precise meaning.

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## DASMA Sectional Garage Door Terminology

**3-Hole Adjustable Clip:** See 3-Hole Cable Clip

**3-Hole Cable Clip:** Metal clip tied to end of extension spring cable to allow length adjustment

**3-Hole Cable Connector:** See 3-Hole Cable Clip

**Accent Moulding:** Half-round and square mouldings that provide a distinctive mode of expression to doors

**Access Door:** See Pass Door

**Active Coils:** The number of working coils in a torsion spring

**Adjustable Cone:** See Winding Plug

**Adjustable Sleeve:** See Winding Plug

**Adjusting Rod:** See Winding Rod

**Adjusting Spring Cone:** See Winding Plug

**Aero Cable:** See Aircraft-Type Cable

**A-Frame:** Support member used to fasten torsion spring assembly of a vertical lift door to the wall above the door opening

**Air Infiltration:** The leakage or passage of air through a door system

**Aircraft Cable:** See Aircraft-Type Cable

**Aircraft-Type Cable:** Several strands of galvanized wire rope braided together

**Anchor Cone:** See Stationary Cone

**Anchor Plug:** See Stationary Cone

**Angle Brace:** Lateral brace attached to back hang and roof construction or ceiling

**Angle Iron:** Length of L-shaped steel material generally used to support and brace rear of horizontal tracks from roof construction or ceiling

**Angle Mounted Track:** A method of fastening vertical track to a door jamb using a full height continuous angle

**Anodize:** A hard non-corrosive oxide film on the surface of aluminum

**Astragal:** A compressible or deformable seal provided on the bottom edge of a door

**Astragal Floor Rail:** See Bottom Weatherseal

**Astragal Retainer:** A component, mounted to the bottom edge of a door, that holds an astragal in place

**Automatic Latch:** An automatic door locking device

**Automatic Opening Device:** Quick opening mechanism recommended for installations requiring rapid automatic door opening without use of an electric operator

**Back Hang:** Hanger fabricated from angle iron, which attaches the end of the horizontal tracks to roof construction or ceiling

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- Back Jamb:** Wood member on the inside surface of the garage, surrounding the door opening
- Backroom:** Horizontal distance measured into a building from the door mounting surface to the first obstruction within the zone required to install or operate the door.
- Ball Bearing:** A load bearing device that uses trapped rolling balls to reduce rotating friction
- Ball Bearing Drum:** Counterbalance drum with a ball bearing for smoother operation of heavier doors
- Bar Joist:** A lightweight truss adaptable for the support of roof decks
- Bead:** A strip of metal, vinyl, or rubber used to secure glass around the periphery of a pane
- Black:** Color-marking convention to mark parts as Right Side, Left Wound
- Blind Rivet:** A type of fastener that mechanically joins two pieces of material together by means of a riveting tool
- Booster Spring:** Additional spring, usually an extension spring, provided to compensate for weakened counterbalance
- Bottom Bracket:** A structural support located predominantly on the bottom section that holds track rollers and may also provide for attachment of lifting cables. Bracket locations other than at bottom section corners are possible.
- Bottom Corner Bracket:** See Bottom Bracket
- Bottom Corner Fixture:** See Bottom Bracket
- Bottom Fixture:** See Bottom Bracket
- Bottom Rail:** The lower-most horizontal rail of a door section
- Bottom Roller Bracket:** See Bottom Bracket
- Bottom Weatherseal:** Astragal or other weatherstrip attached to the bottom of a door to seal against the floor
- Bow:** Condition where a garage door bottom rail of a wood door is not level or straight, which is characterized by a closed door “smiling” (corners turned up)
- Box Strut:** See Strut
- Bracket Mounted:** Method of fastening vertical track to jamb using jamb brackets
- Bracket-Mounted Track:** See Bracket Mounted
- Breakaway Track:** See Angle Mounted Track
- Breakstem Rivet:** See Pop Rivet
- Broken Cable Device:** A bottom fixture intended to prevent a door from falling in the event of cable breakage
- Buck:** See Back Jamb
- Bushing:** A fixed or removable lining used to constrain, guide, or reduce friction
- Cable:** See Aircraft-Type Cable
- Cable Clamp:** Manufactured device used to secure two pieces of cable to each other

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**Cable Drum:** Grooved drum, fitted on torsion spring shaft, onto which lifting cable is wound when door is opened

**Cable Drum Set Screws:** Normally refer to set screws that attach the drum to the shaft/tube. One screw may secure the cable to the drum in order to secure proper cable length.

**Cable Length:** Specific amount of cable required to properly operate door

**Cable Safety Device:** A bottom fixture designed to slow or stop the descent of a door in the event of a cable breakage

**Cable Stop:** A swaged fitting at the end of the cable to prevent slippage through a slot in a drum

**Cable Stopping Device:** See Broken Cable Device

**Cam:** Rotating piece that transfers rotary motion into linear motion

**Cam Tube:** Tube encasing a torsion spring assembly that imparts axial force

**Carry-Away Post:** A type of removable center post

**Ceiling:** Top horizontal surface in the interior of a garage

**Center Bearing Bracket:** A bracket that houses a shaft bearing and aligns and supports the torsion shaft and spring(s) assembly. Also serves to anchor stationary cone(s) to header

**Center Bearing Plate:** A plate or bracket that can house a shaft bearing and is used to align and support the counterbalancing mechanism to the torsion shaft as well as anchor one end of torsion springs to the header.

**Center Bearing Support:** See Center Bearing Bracket

**Center Bracket:** See Center Bearing Plate

**Center Bushing:** Metal or plastic bushing used with a center bracket to support a torsion tube

**Center Cable:** See Center Lift Cable

**Center Clamp:** See Center Lift Cable

**Center Coupler:** See Coupler

**Center Coupling:** See Coupler

**Center Hinge:** A hinge generally located on the intermediate stiles to allow sections to pivot as door opens. Also used as graduated edge hinge between bottom and intermediate section

**Center Lift Cable:** Additional cable assembly which is secured to outside of door at points toward the center of the door, used to provide extra lifting support for extremely wide or heavy doors.

**Center Post:** The vertical building structure (or member) between two single car doors, or a vertical reinforcement usually installed for high wind events. Sometimes also used to refer to a Vertical Post.

**Center Stile:** Vertical member of a door section which provides structural rigidity and location for center hinge attachment

**Center Support Bearing:** See Center Bearing Bracket

**Center Support Track:** See Center Track

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**Center Track:** Added track giving additional support to preventing sagging of a door in the open or horizontal position. Often used with an exceptionally wide door, a heavy door or a door containing a pass door

**Chain Hoist:** A mechanical device used to raise and lower the door by use of a hand chain

**Chain Hoist Operator:** Jackshaft type operator to which chain hoist is attached

**Channel Frame:** Frame used in jamb construction consisting of steel channel shapes installed where the flanges of the shapes wrap around the corners of jambs

**Channel Truss:** See Strut

**Chill:** A square shaft that connects an outside handle to an inside lock set or night latch

**Clearance:** The amount of side room, head room and back room required to properly install a sectional door

**Clear Rail:** See Solid Rail

**Clevis:** See Sheave Fork

**Clevis Pin:** A steel pin used in conjunction with a cotter pin to hold a counterbalance cable to a bottom bracket or an operator arm to an operator bracket

**Commercial Door:** A door which is intended for vehicular use at entrances of commercial buildings such as loading docks, service stations, parking garages and manufacturing plants

**Containment Cable:** A cable threaded through an extension spring to retain the spring if it breaks

**Continuous Angle:** See Reverse Angle Mount

**Continuous Angle Mount:** See Angle Mounted Track

**Contour Track:** Horizontal track that follows the contour of roof construction or ceiling

**Corner Bracket:** See Bottom Bracket

**Corner Burn:** A full-scale fire test performed in a specially constructed room, where the ignition source is located in the corner of that room, adjacent to the garage door

**Cotter Pin:** A half-round metal strip bent into a pin, whose ends can be flared after insertion through a slot or hole

**Counterbalance:** To oppose or balance with an equal weight or force

**Counterbalance Shaft:** See Torsion Shaft

**Counterbalance System:** A system which counteracts the weight of a garage door to allow a reduced force to open and close the door

**Counterbalance Tension:** See Counterbalance

**Counterweight:** Weights provided instead of springs to counterbalance door weight

**Counterweight Balancing System:** See Counterweight

**Coupler:** A device to connect two counterbalance shafts together, end-to-end

**Coupling:** See Coupler

**“C” Strut:** See Strut

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**C-Value:** Heat rate flow through an insulating material when there is a temperature difference from outer to inner surfaces; not normally used in conjunction with thermal transmittance through garage doors

**Cycle:** An action on the door from the fully closed position, to the fully open position, and returned to the fully closed position.

**Cylinder:** The part of a key operated lock that accepts the key and contains the locking pins

**Daylight Opening:** Opening dimensions taken between face of jambs and between floor and header

**DC:** Door opening size designation, denoting “double car”

**Dead Coils:** The number of coils rendered inactive by the spring plugs

**Dead-End Cone:** See Stationary Cone

**Dead in the Head:** The lack of counterbalancing when the door is in the open position, failing to keep the door fully open

**Dead Load:** A static applied load, or a load without movement, generally referring to the weight of the door

**Decal:** A template of information attached to a garage door, or in its vicinity, to convey relevant information concerning the garage door system

**Decorator Angle:** See Jamb Angle

**Depth:** See Backroom

**Design Wind Load:** Horizontal design load applied to a garage door based on such factors as wind speed, building height and door horizontal location

**Direct Drive Chain Hoist:** See Chain Hoist

**Disconnect Chain:** Used in conjunction with industrial door operators to disengage operator and permit manual use of emergency hand chain to facilitate operation of door in event of power failure

**Disconnect Hoist:** See Disconnect Chain

**Dock Door:** A vertically acting door, typically sectional, used primarily to close a door opening adjacent to a loading dock.

**Door Casing:** The framing members with which a door opening is finished

**Door Check:** A mechanical device to insure the self closing of a pass door or wicket

**Door Closer:** A device, combining in one case, a spring to close the door, and a checking arrangement to prevent slamming and to insure silent closing

**Door Frame:** The frame into which the door fits; consists of two door jambs, and a door header

**Door Framework:** See Door Frame

**Door Guide:** See Track

**Door Header:** The upper part of a door frame, consisting of the head jamb, head casing, stop and trim molding

**Door Jamb:** The upright framing on each side of the door opening

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**Door Moulding:** See Door Casing

**Door Opener:** See Electric Operator

**Door Opening:** The clear open width and height

**Door Operator:** See Electric Operator

**Door Path:** See Trajectory

**Door Schedule:** A list of door sizes, locations and special requirements shown on a construction document

**Door Section:** A single segment of a sectional door

**Door Size:** Door dimensions characterized by the width first and the height second

**Door Stop:** See Stop Mould

**Door Travel:** See Trajectory

**D Shaft:** A torsion shaft manufactured with a flat area allowing minimum rotation of affixed hardware.

**Double Door:** Commonly used to refer to larger width doors used on two car openings

**Double End Stile:** When a door section utilizes two stiles adjacent to each other on each end of the section

**Double Glazing:** Use of two thicknesses of glazing within an opening to improve insulating value and/or reduce sound transmission

**Double Low Headroom Track:** See Double Track Low Headroom

**Double Shaft:** Double torsion spring shaft used when additional space is required to accommodate counterbalance spring lengths

**Double Strength Glass:** A grade of window glass lighter than plate glass and usually 1/8" thick

**Double Thick Glass:** See Double Strength Glass

**Double Top Roller Fixture:** Fixture used at the top section consisting of two top brackets to incorporate a longer roller shaft. Usually requires double end stiles on top section

**Double Track Low Headroom:** Addition of second pair of horizontal tracks to reduce the high point of travel of top section and permit door being mounted in area with minimum headroom facilities

**Dowel:** Wooden pin for fastening wood usually glued in between stiles and rails to strengthen a joint

**Drawbar Operator:** Electric operator which mounts above the door in the horizontal position and lifts door by pulling and pushing the top section. For normal headroom and low headroom doors

**Drip Cap:** A projection over the head of a door opening, or on the top of a wall, to throw water clear of the building

**Drip Lap:** An angled weather seal provided between sections on steel doors in lieu of a rabbeted joint to prevent entrance of the elements

**Driveway Post:** Post mounted adjacent to a residential driveway to provide exterior location for key switch to actuate an automatic door operator.

**Drop-Off Weight:** See Counterweight

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**DSB:** Acronym for Double Strength Grade B Glass

**Duplex Spring:** A combination of two torsion springs of different diameters telescoped within spring fittings

**Eased Edge:** Rounded and sanded meeting rail edge

**Eased Off:** See Eased Edge

**Eave Height:** Height measured from the floor to the underside of an eave

**Edge Grain:** Wood in which the rings form an angle of 45 degrees or more with the surface of the pieces

**Edge Hinge:** See Graduated Edge Hinge

**Electric Opener:** See Electric Operator

**Electric Operator:** An electrically-powered device to control the opening and closing of a door

**Electrical Interlock:** Interlock to prevent door operation by an electric operator under certain conditions

**Embossed Door Section:** Door section featuring embossed panels

**Embossed Panel:** Panel containing surfaces raised in relief from a flat surface

**Embossed Rosette:** Special ornament or design accessory made of wood, hardboard or aluminum with designs raised in relief from the surface

**Embossed Section:** See Embossed Door Section

**Embossed Steel Door Section:** See Embossed Door Section

**End Bearing Plate:** Plate commonly used on torsion spring counterbalance units

**End Bearing Support:** See End Bearing Plate

**End Bracket:** See End Bearing Plate

**End Hinge:** See Graduated Edge Hinge

**End Roller Hinge:** See Graduated Edge Hinge

**End Stile:** Stile located at each end of a door section which provides for attachment of graduated edge hinges

**End Stile Lock:** See Inside Lock

**End Stile Sealing Strip:** Foamed plastic strip to seal sections at end stiles of steel and fiberglass doors

**Escutcheon:** A plate surrounding the lock mechanism on outside of door

**Exhaust Port:** Opening in bottom section to accept hose to vent tailpipe exhaust

**Extension Spring:** Provides power or tension by stretching or pulling, and is usually mounted along the horizontal section of track extending from front of door opening to the back hang

**Exterior Lock:** Keyed lock on exterior of the door

**Extrusion:** Fabricated shapes made by forcing hot aluminum, or plastic, billets through a die in an extrusion press

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**False Louver Molding:** Special angular shaped molding that gives an appearance of a slatted panel when fitted together

**Faux Divided Lite:** One piece of glass divided by muntions to appear as several lites.

**Ferrule:** Metal ring or cap which is affixed to a cable by compressing so as to form a button or loop on the end of the cable

**Finger Joint:** Joint used in joining lumber together at ends of lumber pieces

**Finish Moulding:** See Stop Mould

**Finished Door Opening:** See Daylight Opening

**Finished Opening:** See Daylight Opening

**Fire Station Release:** See Automatic Opening Device

**Flag:** See Jamb Angle

**Flag Angle:** See Jamb Angle

**Flag Bracket:** See Jamb Angle

**Flame Spread Index:** A measurement of horizontal flame spread across a product specimen under controlled laboratory conditions; the product is compared to the performances of red oak, which is standardized to 100, and gypsum board, which is standardized to zero

**Flipper:** See Automatic Latch

**Floor Seal:** See Bottom Weatherseal

**Floor Step:** See Rain Stop

**Flush Design:** See Flush Door

**Flush Door:** Door comprised of sections unbroken by visible rails and stiles where the facing of the entire door presents an even surface

**Follow Roof-Line Hardware:** See Contour Track

**Follow-the-Roof Pitch:** See Contour Track

**Follow-the-Roof Track:** See Contour Track

**Front Mounted Low Headroom:** Low headroom hardware where springs mount on torsion shaft above opening

**Front-Mounted Spring:** A counterbalance spring that is mounted to the header above the door

**Full Vertical Lift:** See Vertical Lift

**Full View Section, Full Vision Section** (A totally glazed section with various types of glass or clear plastic. Section formed of aluminum extrusions which will marry with steel or aluminum sections above and below)

**Full Vision Section:** See Full View Section

**Galvanizing:** Zinc coating to protect steel against corrosion

**Garage Door:** A vertically acting door, typically sectional or tilt-up, used primarily for vehicular access into a building.

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**Garage Door Opener:** See Operator

**Garage Door Operator:** See Operator

**Gauge:** U.S. Standard, established by congress in 1893, specifying that weight per square foot would be indicated by a numbering system; larger numbers indicate smaller thicknesses and vice versa

**Glazed:** Fitted with panes of glass or clear plastic

**Glazing Lite:** See Vision Lite

**Glazing Strip:** Extruded plastic or rubber strips that fit against glazing and window frame to resist water infiltration

**Graduated Edge Hinge:** Hinge placed on edge of door sections allowing sections to pivot as door opens and closes. Hinges hold track roller and are graduated and numbered for correct placement to ensure flush fit of door against jambs when closed

**Grease Packet:** Lubricant enclosed in a small packet

**Grille:** Insert within a window, designed to give the appearance of divided lites

**Guard Angle:** See Track Guard

**Gusset:** Metal reinforcement plate, angle or bracket which is fastened in corners to stiffen joints

**Hang Down:** The amount of the door that hangs down from the door opening when the door is in the open position

**Hanging Iron:** See Angle Iron

**H-Column Jamb:** Separation of two door openings where door track is to be mounted directly to H-Column

**Header:** See Door Header

**Header Seal:** Weather-stripping mounted at opening header to seal the opening between header and curtain.

**Headroom:** Vertical clear space required above the door opening, and below the lowest ceiling obstruction, required for proper installation and operation of the door and its hardware

**Heliarc Weld:** A type of inert gas-shielded arc welding employing helium or argon

**High Arc:** See Trajectory

**High Cycle Spring:** Counterbalance springs with increased cycle life capability for high usage doors

**High Lift:** Distance from header to underside of horizontal track, when high lift track is required

**High Lift Drum:** A cable drum contoured to balance a high lift door

**High Lift Track:** Track and hardware that causes the door to rise vertically some distance above the top of the door opening before it levels out into a horizontal position

**High Moment Arm:** Radius of a cable drum, including cable, at point of cable peel off from the drum

**High Trajectory:** See Trajectory

**Hi-Lift:** See High Lift

**Hi-Lift Track:** See High Lift Track

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**Hinge:** Hardware item that joins door sections together, and allows sections to pivot independent of each other

**Hinge Support Plate:** Plate used to support the hinge mounting area, i.e. a backup plate

**Hinge Tube:** Tube used to connect two hinge leafs together

**Hoist Electric Operator:** Similar to a jackshaft-type operator but with an auxiliary emergency chain hoist in case of a power failure

**Horizontal Angle:** See Horizontal Track Angle

**Horizontal Radius:** Section of track that transitions from vertical to horizontal track welded, bolted or riveted to the horizontal track and then bolted to the flag angle

**Horizontal Reinforcing Angle:** See Horizontal Track Angle

**Horizontal Rise:** The upward slope of the horizontal track which helps to start the door downward and helps maintain cable tension

**Horizontal Track:** Track used in the horizontal segment of a track assembly

**Horizontal Track Angle:** An “L” shaped angle affixed to the horizontal track to stiffen it

**Horizontal Track Assembly:** An assembly made up of horizontal track and reinforced with an angle that is used to both guide and support the door in the horizontal position

**Horizontal Track Radius:** See Horizontal Radius

**Hot Off The Floor:** Condition where the door has a tendency to lift off the floor

**Inch-Pounds:** English unit of measurement of torque

**Inclined Track:** Tapered spacing of the vertical track away from the jamb, permitting weathertight closing of door against jamb and easy release for opening door by eliminating friction

**Inside Hook Up:** Connection where the counterbalance cable is on the inside of the track, between the door sections and the vertical track

**Inside Hook Up Bottom Bracket:** Bottom bracket where the cable is routed between the vertical track and the door sections

**Inside Lock:** Spring loaded, sliding deadbolt lock or spring latch operable only from interior of the door

**Installation:** Placing a door in position for use

**Installer:** Person placing the door in position for use

**Insulated Door:** Door sections containing insulating material

**Insulating Glass:** Multi-pane glass assembly containing air space between panes for insulation

**Insulation:** Material having ability to reduce heat or cold transmission

**Interior Lock:** See Inside Lock

**Intermediate Hinge:** See Center Hinge

**IPPT:** Acronym for Inch-Pounds Per Turn; torque rate of a spring, indicating the number of inch-pounds of torque delivered to a shaft for each turn the spring is wound

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**ISLO:** Acronym for “inside looking out”

**Jackshaft-Type Operator:** Operator which is mounted on wall or ceiling, with drive provided to turn a torsion shaft

**Jamb:** See Door Jamb

**Jamb Angle:** See Wall Angle

**Jamb Bracket:** “L” shaped bracket used to connect the vertical track to the door jamb

**Jamb Extension:** Framing extensions of door jambs above opening height; required to support door track and spring assemblies

**Jamb Guard:** See Track Guard

**Jamb Seal:** See Stop Mould

**Joint, Rabbeted:** See Joint Shiplap

**Joint, Shiplap:** A raised back portion of a section joint, fitting with a lowered front portion of a section joint, to create a weather-tight seal between door sections

**Joint, Tongue-and-Groove:** A joint with an interior raised portion, fitting with a joint with an interior lowered portion, to create a weather-tight seal between door sections

**Joint Bracket:** See Splice Jamb Bracket

**Joint Seal:** See Section Joint Meeting Rail Seal

**Keeper Plate:** See Striker Plate

**Key:** A square piece of steel that slides into a key way to prevent parts from rotating on a shaft

**Key Alike:** See Keyed-Alike

**Key Switch Control:** Use of key switch to actuate a door operator in place of or in addition to a push-button or transmitter

**Key Way:** A groove, milled into an object, which when used with a key will prevent parts from rotating on a shaft

**Keyed-Alike:** Two or more lock cylinders intended to be opened with the same key

**Keyed Shaft:** A shaft that has an integrated key way

**K-Value:** Laboratory-determined value of thermal conductance of a material

**“L” Strut:** See Strut

**Lag Screw:** A heavy wood screw with a square or hex head and a coarse thread

**Lap Jamb:** Condition where door sections lap the door opening on each jamb

**Lapped Joint:** See Joint, Shiplap

**Latch Lock:** See Automatic Latch

**Lateral Force:** Force applied from or toward the side

**Lift Bracket:** See Bottom Bracket

**Lift Clearance:** See High Lift

**Lift Clearance Track:** See High Lift Track

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**Lift Handle:** A handle attached to the inside or outside of a door section, to be grasped by hand when a door is to be operated manually.

**Lift Plate:** See Step/Lift Plate

**Lintel:** A horizontal member spanning and carrying the load above an opening

**Lite:** See Vision Lite

**Lock:** Device to secure door to vertical track(s) in the closed position

**Lock Bar with Cremone:** Rotating the cremone or lock bar disc from outside or inside will force lock bars into cut-outs in track to lock door

**Lock-On Bottom Roller Bracket:** See Bottom Bracket

**Lock Strike:** See Striker Plate

**Long-Stem Roller:** Roller with a shaft length of 7 inches or longer

**Louver:** An opening with slats or screening for ventilation

**Low Headroom Hardware:** See Low Lift Hardware

**Low Lift Hardware:** Low headroom accessories which enable a door system to operate in minimal headroom conditions

**Low Moment Arm:** Smallest radius, or distance from the shaft axis, to the center of the cable that regards cable peel off point on cable drums

**LSLO:** Acronym for left side looking out

**Lubricant:** A substance used to lubricate

**Lubricate:** To make a surface smooth or slippery; to reduce friction

**Maintenance:** The act of keeping a door system in good working condition

**Master Keyed:** See Master Keying

**Master Keying:** Arrangement whereby cylinder locks, although fitted with different keyed cylinders, can be opened or locked by means of one master key

**Meeting Rail:** The top horizontal rail or bottom horizontal rail of any section that meets and joins to form a weatherproof seal

**Metallurgist Report:** A report or document that describes the composition of a metal

**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 metal

**Minimum Headroom:** See Headroom

**Minimum Sideroom:** See Sideroom

**MIP:** Acronym for Maximum Inch-Pounds; ( $IPPT \times Turns = MIP$ ); Used to describe the total torque required on a shaft to raise a given door weight from the floor, and also is the measurement of the torque capacity of a particular wire size at a desired cycle level of operation

**Modular Coordination:** The dimensioning of building units so that they will fit together, and the use of building dimensions consistent with such coordinated sizes.

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**Mounting Plate:** Flat steel or wood member placed on the wall to accommodate spring supports, spring shaft bearings, chain hoists and mounting for operators

**Movable Post:** See Mullion, Door.

**Mullion, Door:** A movable, vertical structure or post that spans from floor to lintel, to which is mounted the left hand tracks or guides of one door, and the right hand tracks or guides of an adjacent door. Divides an opening width to permit the use of two doors, and is movable, to permit the use of the full opening width.

**Mullion, Window:** Framing member forming a divide between units of a window

**Muntin:** A bar member separating panes of glass within a sash or door

**Mutt:** See Stile

**Neoprene:** A synthetic rubber made by polymerizing chloroprene

**Nicopress Sleeve:** A two-hole aluminum or copper sleeve through which cable is passed. Swaging will upset the sleeve to form a loop at cable end

**Normal Headroom:** See Headroom

**Normal Sideroom:** See Sideroom

**Numbered Hinge:** See Graduated Edge Hinge

**Numbered Panel:** Area between stiles I.S.L.O. numbered left to right

**Numbered Roller Bracket:** See Graduated Edge Hinge

**Numbered Section:** See Door Section

**Nylon Center Bearing:** See Bushing

**Oil:** See Lubricant

**Oil-Canning:** A slight buckling in sheet metal, causing the appearance of waviness or unevenness

**One-Piece Door:** See Tilt-Up Door

**Opener:** See Operator

**Opening Height:** Distance from floor to the bottom of header

**Opening Size:** See Daylight Opening

**Opening Width:** Distance between jambs of the door opening

**Operator:** An electric or air-powered mechanism that opens and closes a door

**Outside Hook Up:** Connection where the counterbalance cable is on the outside of the tracks

**Outside Hook-Up Bottom Bracket:** Bottom bracket where the cable is routed outside the tracks

**Outside Pull:** See Outside Hook Up

**Overhead Door:** See Sectional Door

**Overhead Garage Door:** See Garage Door

**Overhead-Type Door:** See Sectional Door

**Overlay:** Decorative ornaments of metal, wood or hardboard used for outside decoration of garage door sections

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**Pan Door:** A garage door composed of sheet metal door sections

**Panel:** (1) A flat or raised and decorative design between stiles on door sections; (2) A span between center hinges

**Pass Door:** A swinging pedestrian door built into a sectional door. Not recognized as an exit door by model codes

**Pedestrian Door:** Access door adjacent to upward acting doors. Used as a legal means of egress to avoid the use of a sectional door

**Perforated Angle:** Angled metal with a series of punched holes used to hang garage doors and operators

**Perimeter Seal:** Weatherstrip installed at the perimeter of a garage door

**Pinch Resistant:** Term for a door that has been designed to prevent entrapping, crushing, breaking, severing or dislocating a person's finger

**Plastic Muntin:** See Muntin

**Pocket Wheel:** A wheel or drum machined to receive the individual links of a chain; used to directly transmit power

**Polyurethane:** A type of foam insulation commonly foamed in place by manufacturers of garage door sections

**Pop Rivet:** See Blind Rivet

**Pounds Pull:** Unit of force determined by dividing the torque by the moment arm of the drum

**Power Unit:** A complete torsion spring assembly consisting of springs, shaft, winding plugs and stationary cones, drums and cables

**Pre-Finished:** Finish characterized by galvanized steel painted with a primer, then given an oven-baked top coat

**Pre-Painted:** See Pre-Finished

**Prime:** To lay on the first coat of primer paint

**Prime-Painted:** Coated with primer paint

**Pull Down Rope:** A rope connected to the bottom bracket; used to manually pull the door down

**Pull Rope:** See Pull Down Rope

**Pull Type Spring:** See Extension Spring

**Pulley:** A wheel turning around an axis and having a groove on its rim in which runs a cable, chain, or rope

**Pulley Clevis:** See Sheave Fork

**Punched Angle:** See Angle Iron

**Punched Angle Brace:** See Angle Brace

**Punched Angle Iron:** See Angle Iron

**Punched Angle Track Hanger:** See Back Hang

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- Purlin:** A horizontal roof member spanning between beams and trusses to which roofing is attached; commonly used in a pre-engineered, industrial type building
- Push Down Spring:** Spring-activated push rods mounted on horizontal tracks to start door down during closing portion of door cycle; generally used with a jackshaft-type operator or a manual chain hoist
- Pusher Bumper:** A leaf spring in place of a rod
- Push Nut:** Stamped metal fastener designed to be pushed onto a shaft to secure an assembly
- Quarter Grain:** See Edge Grain
- Quarter Round:** Molding showing a quarter circle in its cross section
- Quarter Turn:** A unit of turn measurement when winding tension into a torsion spring
- Quick Turn Bracket:** See Low Lift Hardware
- Radial Force:** A force generated from the center of an object toward the outside
- Radius:** See Horizontal Radius
- Radius Track:** See Horizontal Radius
- Rail:** Horizontal member of a section
- Rain Ledge:** See Rain Stop
- Rain Stop:** Ledge provided at the point where the bottom rail meets the floor to prevent water from running under the door and allowing for runoff of the water onto the drive or approach
- Raised Panel:** See Panel
- Rate of Rise:** Measurement of change per revolution of a drum's moment arm
- Rear Mount:** When the counterbalance system attached to the rear of the horizontal tracks
- Rear-Mounted Torsion:** See Rear Mount
- Rear Track Hanger:** See Back Hang
- Red:** Indicates color for Left Side, Right Wound
- Regular Angle Mount:** See Angle Mounted Track
- Removable Center Post:** Post/track assembly which substitutes for door jamb in wide door openings so that multiple doors may be used instead of a single large door, and which can be released and carried from an opening
- Removable Jamb Wall:** Wall designed to allow the use of two or more doors in a single opening with carry-away aluminum center posts that can be removed when doors are in up position
- Removable Mullion:** See Removable Center Post
- Removable Post:** See Removable Center Post
- Residential Door:** A sectional door which is intended for vehicular use in a residential garage
- Restraining Cable:** See Containment Cable
- Return:** See Sideroom
- Reverse Angle:** See Reverse Angle Mount

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**Reverse Angle Mount:** An “L” shaped angle with the wall leg toward the door opening used to connect the vertical track to the jamb. Used in low headroom and sideroom restricted garages as well as lap joint.

**Rigid Strut:** See Strut

**Rigid Truss:** See Strut

**Roll-Away Post:** See Removable Center Post

**Roller:** See Track Roller

**Roller Assembly:** See Track Roller

**Roller Bracket:** A device that is mounted to a door section and holds a track roller

**Roller Stem:** See Track Roller

**Rounded Off:** See Eased Edge

**RSLO:** Acronym for “right side looking out”

**R-Value:** Thermal resistance value; inverse of U-Value

**Safety Bottom Bracket:** See Broken Cable Device

**Safety Bottom Corner Bracket:** See Broken Cable Device

**Safety Bottom Fixture:** See Broken Cable Device

**Safety Cable:** See Containment Cable

**Safety Spring Containment:** See Containment Cable

**Safety Spring Containment Kit:** See Containment Cable

**Sash:** The framework which holds the glass in a window or door

**Sash Muntin:** One of the rabbeted bars into which glass is fitted in a sash containing two or more lights

**SC:** Door opening size designation, denoting “single car”

**Scarf Joint:** Method of joining pieces of lumber together by gluing and pinning with wood dowels

**Scribing:** Cutting a door bottom rail to match the contour of the floor

**Scutcheon:** See Escutcheon Section: Garage door component that extends the full width of an opening; usually joined together by hinges

**Section Joint Meeting Rail Seal:** A weather seal between door sections

**Section Joint Meeting Rail Type Seal:** See Section Joint Meeting Rail Seal

**Sectional Door:** Door made of two or more horizontal sections hinged together so as to provide a door capable of closing the entire opening and which is by means of tracks and track rollers.

**Sectional Garage Door:** See Sectional Door

**Sectional Overhead-Type Door:** See Sectional Door

**Sectional-Type Door:** See Sectional Door

**Servicing:** See Maintenance

**SG:** Refers to “single glazed”

**Shaft Bearing:** A bearing that is used to maintain torsion shaft alignment and reduce friction

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**Sheave:** A metal or plastic pulley that is designed to guide the cables employed in a counterbalance system

**Sheave Fork:** A yoke type device used to attach the sheave to extension springs

**Shiplap Section Joint:** Section joint interface that steps up from one level to a second level from the front of the door to the back of the door

**Shoe Molding:** See Quarter Round

**S-Hook:** Hardware device used to connect an extension spring to a pulley. These are also used with other door related hardware (i.e. chain on locks)

**Shop Drawings:** Drawings provided by the manufacturer or door supplier to the architect-engineer showing the plans, sections, elevations, and details of the work required, submitted to assure proper interpretation of the intent of the architectural drawings

**Side Bearing Plate:** See End Bearing Plate

**Side Seal:** See Stop Mould

**Sideroom:** A horizontal measurement from each side of the door opening, outward to the nearest obstruction

**Single Door:** Commonly used to refer to smaller width doors used on one car openings

**Single Strength Glass:** See Single Thick Glass

**Single Thick Glass:** A type of sheet glass used in glazing sashes

**Slant:** The pitch of a roof

**Smile:** See Bow

**Snap Latch:** See Automatic Latch

**Solar Glass:** A type of tinted glass

**Solid Rail:** A rail made with one continuous piece of lumber without finger joints

**Special Door:** Non-standard door which must be custom manufactured and/or specified

**Specifications:** A detailed statement of the quantity and type of material to be used in the construction of a garage door system

**Splice Plate:** Plate used for attachment of track at the junction of tracks in clip type angle mounted track

**Spring Anchor:** Winding Cone and Stationary Cone

**Spring Anchor Bracket:** See Center Bearing Bracket

**Spring Anchor Cone:** See Stationary Cone

**Spring Anchor Plate:** See Center Bearing Bracket

**Spring Assembly:** See Torsion Spring Assembly

**Spring Assembly Closed Wound:** A coiled torsion spring with no gaps between the coils

**Spring Assembly Open Wound:** A coiled torsion spring with equal gaps between each coil

**Spring Balance:** The amount of turns needed to counterbalance the weight of the garage door

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**Spring Bumper:** Spring mechanism mounted on horizontal track that eases the door to stop in its upward travel to reduce shock and prevent pull down rope breakage. Can be made from leaf springs or tension rods.

**Spring Constant:** Mathematically developed number from basic spring wire formulas, that applies to any specific wire size and coil diameter combination; used to determine the number of active coils a spring must contain

**Spring Containment Device:** See Containment Cable

**Spring Fitting:** A plug or cone used to adapt the torsion springs to the torsion shaft and/or center bearing bracket. One piece is a stationary cone while the other fitting is a winding plug

**Spring Hook:** A formed end of the counterbalance spring wire used to facilitate assembly

**Spring Latch Lock:** See Automatic Latch

**Spring Pad:** Pad installed on header above the door to anchor the center bearing bracket. Can be mounted in various locations, not necessarily in center, depending on size of springs

**Spring Plug:** See Spring Fitting

**Spring Retainer:** See Spring Fitting

**Spring Winding Cone:** See Winding Plug

**Square Key:** See Key

**Standard Headroom:** See Headroom

**Standard Sideroom:** See Sideroom

**Stationary Bearing Retainer:** See Stationary Cone

**Stationary Cone:** Part that fits into the end of a torsion spring permitting the spring to be fixed to the center bearing bracket. May also incorporate a retainer for a ball bearing or bushing

**Stationary Plug:** See Stationary Cone

**Stationary Sleeve:** See Stationary Cone

**Stationary Spring Cone:** See Stationary Cone

**Steel Jamb:** Door framing made from either channel or angle iron

**Steel Jamb Mounted:** A track system intended for mounting to a steel jamb

**Steel Pin:** Short, headless pointed nail driven through the dowel and rail in doors for greater security

**Step Down Plate:** A means of closing a sectional door the last few inches of its travel

**Step/Lift Plate:** A part that can be used as a step down plate and a lift handle for manually operating a sectional door

**Sticker:** See Decal

**Stile:** Vertical reinforcement member of a section

**Stile-and-Rail Garage Door:** A sectional garage door featuring sections each made up of horizontal rail and vertical stile structural framing members that support panels connected to such members.

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**Stock Door:** Door made to standard size and generally kept in inventory at either distributor or factory warehouse

**Stop:** See Stop Mould

**Stop Mould:** Serves to seal the perimeter of the door against weather and light infiltration; usually nailed to the jamb, outside the door

**Stop Moulding:** See Stop Mould

**Stress:** The amount of work required of a spring at a desired cycle level

**Stretch Spring:** See Extension Spring

**Strike:** See Striker Plate

**Striker:** See Striker Plate

**Striker Plate:** A plate used in conjunction with a locking system to secure a lock mechanism

**Strut:** Support stiffener to reduce deflection of the door sections in the horizontal position. Also, to increase windload capability of a door

**Sway Brace:** See Angle Brace

**Sway Strap:** See Angle Brace

**Sweep:** See Trajectory

**Swing-Away Post:** A type of removable center post that remains attached at the top and can be pivoted out of the way

**Swing-Up Post:** See Swing-Away Post

**T Handle:** A handle in the shape of a “T”

**T Lock Handle:** See T Handle

**Tapered Vertical Track:** See Inclined Track

**TC:** A designation of door opening size indicating an opening for two cars

**Template:** A pattern used as guide to shape something or show hole drilling locations. Also a short header to support a beam in a wall

**Test Load:** See Test Wind Load

**Test Wind Load:** Specified difference in static air pressure (positive or negative), equal to a specified percentage greater than or equal to 100% of the design load

**Thermal Barrier:** See Thermal Break

**Thermal Break:** The separation between the outer and inner surfaces of a door section

**Thermal Seal:** See Bottom Weatherseal

**Tilt-Up Door:** Door made of a single panel that pivots from the fully closed position to the fully open position which is horizontal and above the garage floor.

**Tin-Canning:** See Oil-Canning

**Tog-L-Loc:** Method of mechanically securing two pieces of steel together without welding, riveting or bolting

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**Tongue and Groove Section Joint:** Section joint interface commonly composed of a middle protrusion on a garage door section edge mating with a middle groove on an abutting section edge

**Tongue and Groove Board:** Vertical wood planks that when laid out side-by-side resembles wainscoting.

**Top Carrier:** See Top Fixture

**Top Fixture:** A bracket for positioning the top guide roller on the top section of a door

**Top Header Seal:** See Top Seal

**Top Rail:** Horizontal rail forming the top of a door as distinguished from the meeting rails and bottom rail

**Top Roller Bracket:** See Top Fixture

**Top Roller Fixture:** See Top Fixture

**Top Seal:** Weatherstripping which fastens to the top of the door to seal the door along the top of the opening

**Torque:** The twisting force around an axis

**Torque Bar:** See Torsion Shaft

**Torsion:** Act of twisting or turning of a torsion spring by the exertion of forces tending to turn one end about a longitudinal axis while the other end is held stationary

**Torsion Bar:** A long metal bar that transfers torque from a spring to a winding plug

**Torsion Shaft:** A shaft that transfers torque from springs to load

**Torsion Spring:** A spring that works by turning one end about a longitudinal axis while the other end is held or turned in the opposite direction developing torque

**Torsion Tube:** See Torsion Shaft

**Torsion Tube Coupler:** See Coupler

**Track:** Channel shaped metal bars or rails in which upward acting doors operate via track rollers

**Track Bracket:** A fixture, connected to a track, which is designed for the track to be mounted to the jamb

**Track Clip:** A metal plate used to attach track to wall angle

**Track Graduation:** The differential distance from the track to the door jamb, measured at the top and bottom of the vertical track

**Track Guard:** Added protection for back of vertical track recommended in cases where powered material handling fork trucks and similar equipment may be operating in the area.

**Track Hanger Kit:** See Back Hang

**Track Radius:** See Horizontal Radius

**Track Roller:** Roller assembly for guiding the door sections along track

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

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**Translucent Door:** Door that allows the passage of light without being transparent

**Transom Bar:** A horizontal crossbar in a window, over a door, or between a door and a window or fanlight

**Transom Section:** An extra section above a garage door opening sometimes used to allow extra lift of the horizontal tracks to accommodate a trolley type operator

**Trim:** The finishing materials; such as the lock and handles on the door

**Triplex Spring:** Three springs of increasing diameter assembled one inside another using special spring fittings

**Trolley Opener:** See Drawbar Operator

**Trolley Type Operator:** See Drawbar Operator

**True Divided Lite:** A window composed of several smaller windows separated from each other by window mullions

**Truss:** See Strut

**Truss Bar:** See Strut

**Tubular Shaft:** A hollow shaft

**Turn:** A 360-degree revolution of a component about its axis

**Turns On Spring:** See Winds on Spring

**Twist:** A form of warp caused by the twisting or winding of the edges of a rail

**U-Bar:** See Strut

**U-Bar Stiffener:** See Strut

**U-Bar Truss:** See Strut

**Urethane (Finish):** A clear finish commonly used as a top layer to finish wood

**Urethane (Insulation):** See Polyurethane

**“U” Strut:** See Strut

**U-Value:** Thermal transmission coefficient which is a measurement of heat, in BTU's, transmitted through one square foot of material (the door) in one hour at a temperature difference of 1 degree from one side to the other

**Upper Trajectory:** See Trajectory

**Upper Vertical Track:** Upper track assembly on a vertical lift door

**Varnish:** Glossy clear top coat used on finished wood; may not be suitable for outdoor wood applications for its lack of breathability

**Vehicle Access Door:** See Vehicular Access Door

**Vehicular Access Door:** A door, typically a garage door or a rolling door, used primarily for vehicular access into a building.

**Vent:** An opening located in the bottom section of a door for ventilation

**Vertical Grain:** See Edge Grain

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- Vertical Lift:** Refers to a hardware design that causes doors to open vertically where no horizontal tracks are required
- Vertical Lift Drum:** A cable drum with changing radius grooves to negate spring tension
- Vertical Post:** A vertical reinforcement sometimes installed for high wind events
- Vertical Splice Angle:** See Jamb Angle
- Vertical Track:** The portion of track that is oriented vertically and is adjacent to the jamb
- Vertical Track Assembly:** An assembly made up of a piece of vertical track and a piece of continuous angle or jamb brackets used to secure the track to the jamb.
- Vertically Acting Door:** A door that is typically a garage door or a rolling door.
- Vision Lite:** Glazing that is mounted in a door
- Warning Tag:** A tag with warnings and/or instructions for safe operation
- Water Seal:** A coating of some kind used to prevent the absorption of water
- Water Stop:** See Rain Stop
- Weather Joint:** See Weatherstrip
- Weatherseal:** See Weatherstrip
- Weatherstrip:** Material used at the perimeter of a garage door, or between joints of a garage door, intended to improve a door's performance against air infiltration and thermal transmission
- Wedge Connection:** A device composed of a steel wedge and clip for securing the joint between vertical and horizontal track sections
- West Coast Lumber:** Lumber produced on the West Coast, generally used in manufacturing wood sectional garage doors
- Wheel and Axle:** See Track Roller
- Wicket Door:** See Pass Door
- Wind Load:** See Design Wind Load
- Winding Bar:** See Winding Rod
- Winding Cone:** Part that fits into a torsion spring permitting winding and tension adjustment
- Winding Cone Set Screw:** See Winding Plug Set Screw
- Winding Cone Socket Head Set Screw:** See Winding Plug Set Screw
- Winding Plug:** See Winding Cone
- Winding Plug Set Screw:** Set screw fasteners used to lock the winding plug to the torsion shaft
- Winding Rod:** A solid rod that fits into the socket of the winding plug to tension torsion springs
- Winding Sleeve:** See Winding Plug
- Window Lite:** See Vision Lite
- Winds On Spring:** The number of winding turns on a torsion spring
- Wire Glass:** Glass into which wire netting is woven prevent splintering from heat or impact
- Wire Rope:** See Aircraft-Type Cable

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**Wire Size:** The diameter of the wire in a spring

**Wood Anchor Pad:** See Spring Pad

**Wood Casing:** See Wood Jamb

**Wood Grain:** Direction or orientation of the wood, as seen in a piece of lumber

**Wood Jamb:** Upright wood piece forming the side of an opening

**Wood Jamb Mounted:** Refers to mounting vertical track to wood jambs

**Woodruff Key:** Special half-moon shaped steel key

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This Technical Data Sheet was prepared by the members of DASMA's Commercial & Residential Garage Door Division Technical Committee. DASMA is a trade association comprising manufacturers of rolling doors, fire doors, grilles, counter shutters, sheet doors, and related products; upward-acting residential and commercial garage doors; operating devices for garage doors and gates, sensing devices, and electronic remote controls for garage doors and gate operators; as well as companies that manufacture or supply either raw materials or significant components used in the manufacture and installation of the Active Members' products.