**Sectional Overview**

- Insulated sections fabricated from pre-painted, hot dipped galvanized steel sheet or aluminum; with rigid polyurethane insulation core, CFC and HCFC free, face sheet stucco embossed and rib reinforced (T175-20 is flush)
- Sections feature thermal break, steel-polyurethane-steel sandwich formed by continuous process
- Sections formed with ship-lap joint

**Unique Multi-Ribbed (MR) Profile**

- Multi-Ribbed profile complements contemporary architecture
- Perfect choice when aesthetics are a key consideration
- Non-repeating stucco surface texture resists scratches and dirt

**Ribbed Profile**

- Recognized as a standard look on many door systems that are already installed
- RW can provide matching section replacement options to customers quickly and efficiently
## Door Characteristics

<table>
<thead>
<tr>
<th>Face Material</th>
<th>Thermatite Doors</th>
<th>Alumatite Doors</th>
</tr>
</thead>
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<td></td>
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<td>A175</td>
</tr>
<tr>
<td></td>
<td>T175-MR / T175</td>
<td>A175T</td>
</tr>
<tr>
<td></td>
<td>ADV200-MR / ADV200</td>
<td>A150</td>
</tr>
<tr>
<td></td>
<td>T175-20</td>
<td>A150T</td>
</tr>
<tr>
<td></td>
<td>T200A-MR / T200A</td>
<td></td>
</tr>
<tr>
<td>Door Width (recommended max.)</td>
<td>T150 29'-4&quot; (8941mm)</td>
<td>16'-2&quot; (4928mm)</td>
</tr>
<tr>
<td></td>
<td>T175 36'-2&quot; (11024mm)</td>
<td>16'-2&quot; (4928mm)</td>
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<tr>
<td></td>
<td>T175 30'-2&quot; (9195mm)</td>
<td>16'-2&quot; (4928mm)</td>
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<td></td>
<td>T175 30'-2&quot; (11024mm)</td>
<td>16'-2&quot; (4928mm)</td>
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<td></td>
<td>T175 24'-2&quot; (7365mm)</td>
<td>16'-2&quot; (4928mm)</td>
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<td></td>
<td>T175-20 22&quot; (5688mm)</td>
<td>16'-0&quot; (4877mm)</td>
</tr>
<tr>
<td></td>
<td>T200A-MR / T200A</td>
<td>16'-0&quot; (4877mm)</td>
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<tr>
<td>Door Height (max.)</td>
<td>T150 22'</td>
<td>16'-0&quot; (4877mm)</td>
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<td></td>
<td>T175 22'</td>
<td>16'-0&quot; (4877mm)</td>
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<tr>
<td>Section Thickness</td>
<td>T150 22&quot; (5688mm)</td>
<td>16'-0&quot; (4877mm)</td>
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<tr>
<td></td>
<td>T175 22&quot; (5688mm)</td>
<td>16'-0&quot; (4877mm)</td>
</tr>
<tr>
<td>Section Joint</td>
<td>T150 1/4&quot; (6mm)</td>
<td>1/4&quot; (6mm)</td>
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<tr>
<td>Exterior Sheet</td>
<td>Aluminum or hot dipped galvanized steel, stucco surface texture</td>
<td></td>
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<tr>
<td>Standard Finish</td>
<td>Brown, Silver, White, Bronze, Charcoal Gray, Forest Green</td>
<td></td>
</tr>
<tr>
<td>Pattern</td>
<td>Multi-Ribbed / Ribbed</td>
<td></td>
</tr>
<tr>
<td>Insulation</td>
<td>Thermoformed polyurethane, sections thermal value</td>
<td></td>
</tr>
<tr>
<td>R</td>
<td>13.21</td>
<td>16.00</td>
</tr>
<tr>
<td>U</td>
<td>0.430</td>
<td>0.355</td>
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<tr>
<td>Exterior Sheet</td>
<td>Aluminum or hot dipped galvanized steel, stucco surface texture</td>
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<tr>
<td>Standard Finish</td>
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<tr>
<td>Pattern</td>
<td>Multi-Ribbed / Ribbed</td>
<td></td>
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<tr>
<td>Interior Sheet</td>
<td>Aluminum or hot dipped galvanized steel, stucco surface texture</td>
<td></td>
</tr>
<tr>
<td>Standard Finish</td>
<td>White, Silver</td>
<td>White, Silver</td>
</tr>
<tr>
<td>Glazing Options</td>
<td>Details on Page 9</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>AA, B, CPL, D, E, FV</td>
<td>AA, B, CPL, D, E, FV</td>
</tr>
</tbody>
</table>

* Thermatite Section

1 Available when silver exterior is selected
**Product Specifications**

**Section Details**

**Section Thickness**
- T150-MR / T150: 1 1/2" (38mm)
- T175-MR / T175: 1 3/4" (45mm)
- ADV200-MR / ADV200: 2" (51mm)
- T175-20: 1 3/4" (45mm)
- T200A-MR / T200A: 2" (51mm)

**Thermal Value of Sections**
- T150-MR / T150: R 13.21 ft² hF/Btu / U 0.430 W/m²K
- T175-MR / T175: R 16.00 ft² hF/Btu / U 0.355 W/m²K
- ADV200-MR / ADV200: R 18.28 ft² hF/Btu / U 0.311 W/m²K
- T175-20: R 16.00 ft² hF/Btu / U 0.355 W/m²K
- T200A-MR / T200A: R 18.28 ft² hF/Btu / U 0.311 W/m²K

**Face Sheet Profile**
- T150-MR / T150: Multi-Ribbed / Ribbed
- T175-MR / T175: Multi-Ribbed / Ribbed
- ADV200-MR / ADV200: Multi-Ribbed / Ribbed
- T175-20: Flush
- T200A-MR / T200A: Multi-Ribbed / Ribbed

**Face Sheet Thickness**
- T150-MR / T150: 0.016" (0.41mm)
- T175-MR / T175: 0.019" (0.48mm)
- ADV200-MR / ADV200: 0.016" (0.41mm)
- T175-20: 0.037" (0.94mm)
- T200A-MR / T200A: 0.025" (0.64mm)

**Maximum Opening Width**
- T150-MR / T150: 29'-4" (8941mm)
- T175-MR / T175: 36'-2" (11024mm)
- ADV200-MR / ADV200: 30'-2" (9195mm)
- T175-20: 36'-2" (11024mm)
- T200A-MR / T200A: 24'-2" (5842mm)

**Maximum Opening Height**
- All models: 22' (6706mm)

**Finish**
- Two coat, baked-on paint system on exterior side, primer and polyester finish coat.
- T150-MR / T150: White / Brown / Silver / Bronze / Charcoal Gray / Forest Green
- T175-MR / T175: White / Brown / Silver
- ADV200-MR / ADV200: White
- T175-20: White
- T200A-MR / T200A: White

**Additional colors are available upon request.**

**Warranty**
- 10 years against delamination of the panels
- 1 year on materials and workmanship
The Thermatite product line is stocked in over 100 door system manufacturing centres globally.

**Product Specifications**

**Sections:**
Insulated sections fabricated from prepainted, aluminium sheet; with rigid polyurethane insulation core, CFC-11 free, face sheet stucco-embossed and rib reinforced.
Sections thermally broken, alum-polyurethane-alum sandwich formed by continuous process.
Sections formed with ship lap joint.
1.6mm (16ga) galvanized steel endcaps.
Face sheet thickness: T200-A 0.0256"
Section thickness: T200-A 51mm (2")

**Reinforcement:**
Continuous internal reinforcement for hardware mounting.

**Weatherstripping:**
Neoprene bulb weatherstrip with continuous aluminum retainer full width of bottom of door.
Dual seals between sections.

**Finish:**
Two coat, baked-on paint system on exterior side, primer and polyester finish coat. (White)

**Hardware:**
Refer to hardware page. Click HERE to view clearance charts and hardware specifications.

**Design:**
Door design to meet industry-standard windload.

**OPTIONS FOR THERMALUME T200-A**

**Thermal Glazing in high impact polystyrene frame:**
- 610mm X 150mm (24" X 6")
- 610mm X 200mm (24" X 8")
- 610mm X 305mm (24" X 12")
- 865mm X 405mm (34" X 16")
- 610mm X 305mm (24" X 12") dual acrylic

**OTHER OPTIONS: T200-A**
Combination PVC step plate and lift handle.
Exhaust port 75mm(3") or 100mm (4") diameter.
Neoprene top weatherstrip for full width of door.
Full height thermal break and anti-friction strip for galvanized endcaps.
<table>
<thead>
<tr>
<th>Full Vision</th>
<th>Type D</th>
<th>Type E</th>
<th>Type B &amp; CPL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Vision glazing section with 12.7 (1/2&quot;) thick insulating glass, finish white aluminium</td>
<td>Custom size 865 x 405mm (34” x 16”) sealed glass unit set in moulded frame.</td>
<td>610 x 305mm (24” x 12”) clear float glass sealed unit set in moulded frame.</td>
<td>B-610 x 152 mm (24” x 6”) CPL - 610 x 203mm (24” x 8”) clear float glass sealed unit set moulded frame.</td>
</tr>
</tbody>
</table>
Standard Hardware

Weatherstripping
Full length retainer and bulb weather strip minimize air flow and ensure weather-tightness at the base of your door.

Trussing
Doors are constructed to withstand wind load specified in ANSI/DASMA 108. Linear style trusses are provided according to door size. Additional trussing can be provided for higher wind load applications.

Weatherstripping
Full length retainer and bulb weather strip minimize air flow and ensure weather-tightness at the base of your door.

Trussing
Doors are constructed to withstand wind load specified in ANSI/DASMA 108. Linear style trusses are provided according to door size. Additional trussing can be provided for higher wind load applications.

Track
Roll formed from commercial galvanized steel. Vertical tracks sloped to ensure weather tight seal. Horizontal track curve available in 12" (305mm) or normally provided 16" (406mm) radius.

Track Brackets
Bolted type, field adjustable, rib reinforced, stamped from 0.123" (3.1 mm) thick commercial galvanized steel.

Rollers
Ten ball bearings provide years of smooth and quiet operation. 7/16" (11mm) diameter standard stem, long stem on doors over 16'-2" (4928mm) wide.

Counter Balance
Helically wound torsion springs manufactured from oil tempered spring wire, stress relieved, minimum 10,000 cycles. Aluminum die-cast grooved drums. Flexible 7 x 19 construction aircraft type galvanized cables with 5:1 safety factor. Higher cycle available upon request.

Horizontal Angle
72" (1829 mm) long or 90" (2286mm) for 3" hardware.

Hinges
Linear type, fabricated from 0.078" or 0.106" (2 or 2.7mm) thick zinc plated steel with embossments designed to resist higher load and provide greater stability resulting in improved performance.

Top Roller Carrier
Fabricated from zinc plated steel designed to provide greater stability, field adjustable to ensure weather tight seal.

Roller Brackets
Linear type fabricated from 0.078" or 0.106" (2 or 2.7mm) zinc plated steel. Graduated type design to ensure weather tight seal.

Shafts
1" (25mm) diameter 0.078" (2mm) tube or 1/8" (3mm) wall keyed full length or 1" (25mm) diameter cold rolled galvanized steel keyed full length.

Head Plates
Full height fabricated from galvanized steel, complete with bolt-on type bearings.

Lock
Interior slide bolt type.

Mounting Fasteners
Zinc plated.

Optional Hardware

Thermatite
- Combination PVC step plate and lift handle
- Exhaust port: 3" (76 mm) / 4" (102mm) / 5" (127mm) diameter
- Flexible top weather strip for full width of door
- Full height thermal break and anti-friction strip for galvanized end caps
- Aluminum end stiles with full height jamb seal
  (Note: For T175-MR, T175, T175-20 only)
- Pass doors: 32" x 80" (813mm X 2032mm) four section pass door available in doors up to 16.2' (4928mm), 14.2' (4381mm) for T150 and T200A

Alumatite
- Exhaust port: 3" (76 mm) / 4" (102mm) / 5" (127mm) diameter
- Plywood Kick Panel: 3/8" (9.5mm) thick plywood covered on both sides with 0.032" (0.8mm) aluminum or 0.037" (0.94mm) embossed steel sheets
## Clearance & Mounting Requirements

<table>
<thead>
<tr>
<th>Door Style</th>
<th>Hardware size</th>
<th>Headroom Required</th>
<th>Track curve radius</th>
<th>Jamb Details</th>
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<tr>
<td></td>
<td></td>
<td></td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>Standard Lift</td>
<td>2&quot; (51)</td>
<td>13&quot; (330) to 19-1/2&quot; (495)</td>
<td>12&quot; (305) or 16&quot; (406)</td>
<td>1-1/2&quot; (38)</td>
</tr>
<tr>
<td></td>
<td>3&quot; (76)</td>
<td>18&quot; (457), 19&quot; (482) or 21&quot; (533)</td>
<td>16&quot; (406)</td>
<td>2&quot; (51)</td>
</tr>
<tr>
<td>Hi-Lift</td>
<td>2&quot; (51)</td>
<td>H.L. + 7-1/2&quot; (191) to H.L. + 17&quot; (432)</td>
<td>16&quot; (406)</td>
<td>1-1/2&quot; (38)</td>
</tr>
<tr>
<td></td>
<td>3&quot; (76)</td>
<td>H.L. + 9-1/2&quot; (241) to H.L. + 18-1/2&quot; (470)</td>
<td>16&quot; (406)</td>
<td>2&quot; (51)</td>
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<tr>
<td>Vertical Lift</td>
<td>2&quot; (51)</td>
<td>D.H. + 22&quot; (559)</td>
<td>-</td>
<td>1-1/2&quot; (38)</td>
</tr>
<tr>
<td></td>
<td>3&quot; (76)</td>
<td>D.H. + 22&quot; (559) to 27-1/2&quot; (699)</td>
<td>-</td>
<td>2&quot; (51)</td>
</tr>
<tr>
<td>Low Headroom</td>
<td>2&quot; (51)</td>
<td>11&quot; (279) to 11-3/4&quot; (298)</td>
<td>-</td>
<td>1-1/2&quot; (38)</td>
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<tr>
<td>Front Springs</td>
<td>3&quot; (76)</td>
<td>13&quot; (330) to 15-1/2&quot; (394)</td>
<td>-</td>
<td>2&quot; (51)</td>
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<tr>
<td>Low Headroom</td>
<td>2&quot; (51)</td>
<td>5&quot; (127) to 5-1/2&quot; (140)</td>
<td>-</td>
<td>1-1/2&quot; (38)</td>
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<tr>
<td>Rear Springs</td>
<td>3&quot; (76)</td>
<td>6-1/2&quot; (164)</td>
<td>-</td>
<td>2&quot; (51)</td>
</tr>
<tr>
<td>Low Headroom</td>
<td>2&quot; (51)</td>
<td>D.H. + 10&quot; (254) or D.H. + 4&quot; (102)</td>
<td>-</td>
<td>1-1/2&quot; (38)</td>
</tr>
<tr>
<td>Vertical Lift</td>
<td>3&quot; (76)</td>
<td>D.H. + 10&quot; (254) or D.H. + 4&quot; (102)</td>
<td>-</td>
<td>2&quot; (51)</td>
</tr>
</tbody>
</table>

### Diagrams

- **Standard Lift Door**: 2" (51mm) & 3" (76mm) Hardware
- **Hi-Lift Door**: 2" (51mm) & 3" (76mm) Hardware
- **Vertical Lift Door**: 2" (51mm) & 3" (76mm) Hardware
- **Low Headroom Front Springs**: 2" (51mm) & 3" (76mm) Hardware
- **Low Headroom Rear Springs**: 2" (51mm) & 3" (76mm) Hardware
- **Low Headroom Vertical Lift**: 2" (51mm) & 3" (76mm) Hardware

### Jamb Details

- **A**: 1-1/2" (38)
- **B**: 3-1/2" (89)
- **C**: 1" (25)
- **D**: 5" (127)
- **E**: 6" (152)

### Hardware Specifications

- **Drum & Torsion Springs**
- **Horizontal Track Assembly**
- **Head Plate**
- **Vertical Track Assembly**
- **Jamb Brackets**
- **Track Radius**
- **Horizontal Track Support**
- **Spiral Drum**
- **Drum Plate**
- **Breakaway Track Assembly**
- **Vertical Track Assembly**
- **Welding Rod**
- **Steel Jamb Overlapping Door**
- **Wood Jamb Overlapping Door**
Consistent with our policy of continuing product improvement, we reserve the right to make appropriate modifications without notice.

**Hardware Specifications**

### Industry Standard 2” (51mm) Hardware

**Finish**
All door face hardware, tracks, track mounting hardware and torsion assembly mounting brackets to be fabricated from commercial galvanized steel.

**Track**
Roll formed from 0.078” (2mm) thick commercial galvanized steel, 2’ 1/8” (54mm) overall outside dimension. Vertical tracks sloped to ensure weather tight seal. Horizontal track curve available in 12” (305 mm) or normally provided 16” (406mm) radius.

**Lift Type**

**Vertical Track Mounting**

- **Track Brackets (standard)**
  - Bolted type, field adjustable, rib reinforced, stamped from 0.123” (3.1mm) thick commercial galvanized steel.
- **Clip Angle Mount (optional)**
  - Pre-punched angle and clips, field adjustable to ensure weather tight seal and serviceability. The angles are fabricated from 0.083” (2.0mm) commercial galvanized steel.
- **Adjustable Continuous Angle ADCA (optional)**
  - Bolted type, field adjustable to ensure weather tight seal and serviceability, fabricated from 0.093” (2.4mm) commercial galvanized steel, designed to provide continuous support to the vertical tracks.

**Adjustable Continuous Angle ADCA (optional)**
- Pre-punched angle and clips, field adjustable to ensure weather tight seal and serviceability. The angles are fabricated from 0.083” (2.0mm) commercial galvanized steel.

**Track Hangers (optional)**
- Perforated type 1 1/4” x 1 1/4” (32mm x 32mm) angles roll-formed from 0.078” (2mm) thick commercial galvanized steel.

**Rollers**
- 1 13/16” (46mm) diameter with ten 1/4” (6.3mm) diameter ball bearings, hardened steel race, 7/16” (11mm) diameter standard stem, long stem on doors over 16’-2” (4928mm) wide.

**Hinges**
- Linear type, fabricated from 0.078” or 0.106” (2 or 2.7mm) thick zinc plated steel with embossments designed to resist higher load and to provide greater stability that results in improved performance.

**Top Roller Carrier**
- Fabricated from zinc plated steel designed to provide greater stability, field adjustable to ensure weather tight seal.

**Roller Brackets**
- Linear type fabricated from 0.078” or 0.106” (2 or 2.7mm) zinc plated steel. Graduated type design to ensure weather tight seal.

**Counter Balance**
- Helically wound torsion springs manufactured from oil tempered spring wire, stress relieved, minimum 10,000 cycles. Aluminum die-cast grooved drums. Flexible T x 19 construction aircraft type galvanized cables with 6.1 safety factor.

**Shafts**
- 1” (25mm) x 0.078” (2mm) tube or 1/8” (3mm) wall keyed full length or 1” (25mm) diameter cold rolled galvanized steel keyed full length.

**Head Plates**
- Full height fabricated from 0.093” (2.4mm) galvanized steel, complete with bolt-on type bearings.

**Locking**
- Interior slide bolt type.

**Horizontal Angle**
- 7/8” (180mm) long.

**Mounting Fasteners**
- Zinc plated.

**Warranty**
- One (1) year.

### Industry Standard 3” (76mm) Hardware

**Finish**
All door face hardware, tracks, track mounting hardware and torsion assembly mounting brackets to be fabricated from commercial galvanized steel.

**Track**
Roll formed from 0.108” (2.7mm) thick commercial galvanized steel, 3’ 1/8” (80mm) overall outside dimension. Vertical tracks sloped to ensure weather tight seal. Horizontal track curve radius 16’ (406mm).

**Lift Type**

**Vertical Track Mounting**

- **Track Brackets (standard)**
  - Bolted type, field adjustable, rib reinforced, stamped from 0.123” (3.1mm) thick commercial galvanized steel.
- **Clip Angle Mount (optional)**
  - Pre-punched angle and clips, field adjustable to ensure weather tight seal and serviceability. The angles are fabricated from 0.083” (2.0mm) commercial galvanized steel.
- **Adjustable Continuous Angle ADCA (optional)**
  - Bolted type, field adjustable to ensure weather tight seal and serviceability, fabricated from 0.093” (2.4mm) commercial galvanized steel, designed to provide continuous support to the vertical tracks.

**Track Hangers (optional)**
- Perforated type 1 1/4” x 1 1/4” (32mm x 32mm) angles roll-formed from 0.078” (2mm) thick commercial galvanized steel.

**Rollers**
- 2 7/8” (73mm) diameter with ten 5/16” (7.9mm) diameter ball bearings, hardened steel race, 7/16” (11mm) diameter standard stem, long stem on doors over 16’-2” (4928mm) wide.

**Hinges**
- Linear type, fabricated from 0.098” or 0.106” (2.5 or 2.7mm) thick zinc plated steel with embossments designed to resist higher load and to provide greater stability that results in improved performance.

**Top Roller Carrier**
- Fabricated from zinc plated steel designed to provide greater stability, field adjustable to ensure weather tight seal.

**Roller Brackets**
- Linear type fabricated from 0.078” or 0.106” (2 or 2.7mm) zinc plated steel. Graduated type design to ensure weather tight seal.

**Counter Balance**
- Helically wound torsion springs manufactured from oil tempered spring wire, stress relieved, minimum 10,000 cycles. Aluminum die-cast grooved drums. Flexible T x 19 construction aircraft type galvanized cables with 6.1 safety factor.

**Shafts**
- 25,000, 50,000, 75,000 or 100,000 cycle torsion springs, recommended with 1” (25mm) or 1 1/4” (32mm) solid steel shaft with full key-way, shaft mounted in self-aligning flange bearings, flexible 7 x 19 construction aircraft type galvanized cables.

**Track guards**
- Formed from 3/16” (4.8mm) thick steel, 5”-0” (1254mm) high, chamfered top edge at 45 degree, gray finish. Optional: Baked yellow finish.

**Pull chain with spring**
- Recommended for manually operated doors only.

**Perimeter weather-strip**
- Double fin white, black, brown, taupe or almond vinyl with steel retainer for jambs and lintel. Double fin black vinyl with aluminum retainer for jambs and lintel.

**ADCA bolt-on dual durometer black vinyl jamb seal recommended with section mounted top seal.**

**Cable Fall Safety Bracket**
- Designed to stop the door from free fall in case of cable failure.

**Spring Fail Safety Device**
- Designed to stop the door shaft, thus the free fall of the door in case of spring failure, available without or with interlock switch to disconnect power to the electric operator.

**Exhaust port**
- Aluminum die cast available in 3” (76mm), 4” (102mm) and 5” (127mm) diameter.

**Full Length Horizontal Angle**
- Designed to support full length of the track.

### Hardware Options: 2” (51mm) AND 3” (76mm)

**Pusher spring**
- Recommended for medium and large size standard lift doors with manual chain hoist and for all doors with Jackshaft type electric operators.

**Bumper spring**
- Recommended for small standard lift doors with manual chain hoist or Jackshaft type electric operators.

**Bumper leaf springs**
- Recommended for high lift and vertical lift door applications.

**Across the door bar latch**
- Complete with night lock with an outside cylinder and handle (recommended for manually operated doors only).

**Across-the-door bar latch inside only**
- Complete with night lock and interior handle. Electric interlock is required on electrically operated doors.

**Double end roller brackets and long stem rollers**
- Standard on doors wider than 16’-2” (4928mm).

**Rollers**
- 3” (76mm): white nylon tre, 11 ball bearings, zinc plated stem available in standard and long stem.

**Chain hoist**
- Chain and sprocket type design, recommended on doors over 144 sq. ft (13.4 sq. m).

**2000R**
- Wall mountable, 4:1 reduction, available for 1” (25mm) or 1 1/4” (32mm) keyed shaft.

**JR**
- Shaft mountable, 4:1 reduction, available for 1” (25mm) and 1 1/4” (32mm) keyed shaft.

**JRG**
- Shaft mountable, 4:5:1 reduction, available for 1” (25mm) and 1 1/4” (32mm) keyed shaft.

**Follow the roof pitch**
- Track to follow roof pitch for standard lift and high lift.

**Higher cycle torsion spring assemblies**
- 25,000, 50,000, 75,000 or 100,000 cycle torsion springs assemblies, recommended with 1” (25mm) or 1 1/4” (32mm) solid steel shaft with full key-way, shaft mounted in self-aligning flange bearings, flexible 7 x 19 construction aircraft type galvanized cables.