



ISO 9001 : 2000



Section 08362

THERMOSTOP INC., 3775 Losch, Longueuil, Québec, Canada, J3Y 5T7, Tél. : (450) 678-8666, Fax. : (450) 678-7765

**SPECIFICATIONS**  
**THERMOSTOP HARDWARE 50-T, 80-T, 80-THD, 80-W**  
**Section 08362: Sectional Metal Overhead Doors**

**1) Model 50-T**

- **Tracks:** 2" (50mm) vertical and horizontal tracks formed from 14ga. (1.80mm) thick galvanized steel. Vertical tracks shall be taper-mounted for a "wedge-tight" closing.  
Track configuration: 1) Standard lift 2) High lift 3) Vertical lift. Please specify.
- **Bearings plates:** 12ga. (2.50mm) thick commercially galvanized steel plates with press-fitted ball bearings.
- **Continuous track angle:** track angle, formed from 12ga. (2.50mm) galvanized steel, welded to the vertical and horizontal tracks for maximum rigidity.
- **Rollers:** 2" (50mm) in diameter and equipped with 1/4" (6mm) diameter ball bearings running in hardened inner and outer racers. Roller stem shall be heavy cold rolled steel. Long stem rollers shall be supplied with double end hinges and double top roller carriers.
- **Hinges:** 13ga. (2.40mm) thick galvanized steel graduated to ensure a weathertight closing at the jambs. Door with width greater than 14' 0" (4267mm) shall be equipped with double end hinges.
- **Top roller carriers:** 13ga. (2.40mm) galvanized steel, adjustable type, to permit door to be butted against the lintel for maximum weather seal.
- **Bottom corner brackets:** 12ga. (2.50mm) galvanized steel.
- **Counterbalancing by torsion springs:** oil tempered, helically wound and designed to withstand a minimum 10 000 cycles (opening/closing) over the life of the springs.
- **Drums:** die cast aluminum alloy. Each drum shall have guarded cable entry. Cable adjustment is controlled with set screws from the free side of the drums.
- **Cables:** shall be galvanized aircraft type with construction of 7 x 19 with a safety factor to suit a minimum 10 000 cycles.
- **Shaft:** 1" (25mm) solid cold rolled cross header shaft, keyed to receive drums, coupling and drive sprockets as required.
- **Track guards (optional):** Z-shaped formed 3/16" (5mm) thick steel plate, 5' 0" (1520mm) high.
- **Pusher springs (optional):** Recommended for motorised standard lift or low headroom door. Allow to keep the cable continually under tension by pushing down the the top panel.
- **Fail safety corner bracket (optional):** Allows to brake and stop the fall of the door if the cable is broken.
- **Fail safety spring device (optional):** Allows to brake and stop the fall of the door in case the spring fails.



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## 2) model 80-T

- **Reference product : Thermostop Hardware model 80-T**, as manufactured by **THERMOSTOP INC.**, 3775 Losch boulevard, Longueuil, (Québec), Canada, Tel.: 450-678-8666, Fax: 450-678-7765, [www.thermostop.com](http://www.thermostop.com)
- **Tracks:** 3" (75mm) vertical and horizontal tracks formed from 12ga. (2.50mm) thick galvanized steel. Vertical tracks shall be taper-mounted for a "wedge-tight" closing. Track configuration: 1) Standard lift 2) High lift 3) Vertical lift. Please specify.
- **Bearings plates:** 12ga. (2.50mm) thick commercially galvanized steel plates with press-fitted ball bearings.
- **Continuous track angle:** track angle, formed from 12ga. (2.50mm) galvanized steel, welded to the vertical and horizontal tracks for maximum rigidity.
- **Rollers:** 3" (75 mm) in diameter and equipped with 1/4" (6mm) diameter ball bearings running in hardened inner and outer racers. Roller stem shall be heavy cold rolled steel. Long stem rollers shall be supplied with double end hinges and double top roller carriers.
- **Hinges:** 13ga. (2.40mm) thick galvanized steel graduated to ensure a weathertight closing at the jambs. Door with width greater than 14' 0" (4267mm) shall be equipped with double end hinges.
- **Top roller carriers:** 13ga. (2.40mm) galvanized steel, adjustable type, to permit door to be butted against the lintel for maximum weather seal.
- **Bottom corner brackets:** 12ga. (2.50mm) galvanized steel.
- **Counterbalancing by torsion springs:** oil tempered, helically wound and designed to withstand a minimum number of cycles (opening/closing) over the life of the springs.
- **Drums:** die cast aluminum alloy. Each drum shall have guarded cable entry. Cable adjustment is controlled with set screws from the free side of the drums.
- **Cables:** shall be galvanized aircraft type with construction of 7 x 19 with a safety factor to suit a minimum 10 000 cycles.
- **Shaft:** 1" (25mm) solid cold rolled cross header shaft, keyed to receive drums, coupling and drive sprockets as required.
- **Track guards (optional):** Z-shaped formed 3/16" (5mm) thick steel plate, 5' 0" (1524mm) high.
- **Pusher springs (optional):** Recommended for motorised standard lift or low headroom door. Allow to keep the cable continually under tension by pushing down the the top panel.
- **Fail safety corner bracket (optional):** Allows to brake and stop the fall of the door if the cable is broken.
- **Fail safety spring device (optional):** Allows to brake and stop the fall of the door in case the spring fails.



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### 3) model 80-THD

- **Reference product : Thermostop Hardware model 80-THD**, as manufactured by **THERMOSTOP INC.**, 3775 Losch boulevard, Longueuil, (Québec), Canada, Tel.: 450-678-8666, Fax: 450-678-7765, [www.thermostop.com](http://www.thermostop.com)
- **Tracks:** 3" (75mm) vertical and horizontal tracks formed from 12ga. (2.50mm) thick galvanized steel. Vertical tracks shall be taper-mounted for a "wedge-tight" closing. Track configuration: 1) Standard lift 2) High lift 3) Vertical lift. Please specify.
- **Bearings plates:** 10ga. (3.20mm) thick commercially galvanized steel plates with Precision collar bearings.
- **Continuous track angle:** track angle, formed from 12ga. (2.50mm) galvanized steel, welded to the vertical and horizontal tracks for maximum rigidity.
- **Rollers:** 3" (75 mm) in diameter and equipped with 1/4" (6mm) diameter ball bearings running in hardened inner and outer racers. Roller stem shall be heavy cold rolled steel. Long stem rollers shall be supplied with double end hinges and double top roller carriers.
- **Hinges:** 11 ga. (2.90mm) thick galvanized steel graduated to ensure a weathertight closing at the jambs. Double end hinges.
- **Top roller carriers:** 13ga. (2.40mm) galvanized steel, adjustable type, to permit door to be butted against the lintel for maximum weather seal.
- **Bottom corner brackets:** extra heavy duty cast-iron corner.
- **Counterbalancing by torsion springs:** oil tempered, helically wound and designed to withstand a minimum number of cycles (opening/closing) over its lifetime.
- **Drums:** die cast aluminum alloy. Each drum shall have guarded cable entry. Cable adjustment is controlled with set screws from the free side of the drums.
- **Cables:** shall be galvanized aircraft type with construction of 7 x 19 with a safety factor to suit a minimum 10 000 cycles.
- **Shaft:** 1-1/4" (32mm) solid cold rolled cross header shaft, keyed to receive drums, coupling and drive sprockets as required.
- **Precision collar bearings:** Greased packed, for heavy duty doors, required at track and shaft coupling bearing plates.
- **Track guards (optional):** Z-shaped formed 3/16" (5mm) thick steel plate, 5' 0" (1524mm) high.
- **Pusher springs (optional):** Recommended for motorised standard lift or low headroom door. Allow to keep the cable continually under tension by pushing down the the top panel.
- **Fail safety corner bracket (optional):** Allows to brake and stop the fall of the door if the cable is broken.



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- **Fail safety spring device (optional):** Allows to brake and stop the fall of the door in case the spring fails.

#### 4) model 80-W

- **Reference product : Thermostop Hardware model 80-W**, as manufactured by **THERMOSTOP INC.**, 3775 Losch boulevard, Longueuil, (Québec), Canada, Tel.: 450-678-8666, Fax: 450-678-7765, [www.thermostop.com](http://www.thermostop.com)
- **Tracks:** 3" (75mm) vertical and horizontal tracks formed from 12ga. (2.50mm) thick galvanized steel. Vertical tracks shall be taper-mounted for a "wedge-tight" closing. Track configuration: 1) Standard lift 2) High lift 3) Vertical lift. Please specify.
- **Bearings plates:** 10ga. (3.20mm) thick commercially galvanized steel plates with press-fitted ball bearings.
- **Continuous track angle:** track angle, formed from 12ga. (2.50mm) galvanized steel, welded to the vertical and horizontal tracks for maximum rigidity.
- **Rollers:** 3" (75 mm) in diameter and equipped with 1/4" (6mm) diameter ball bearings running in hardened inner and outer racers. Roller stem shall be heavy cold rolled steel. Long stem rollers shall be supplied with double end hinges and double top roller carriers.
- **Hinges:** 13ga. (2.40mm) thick galvanized steel graduated to ensure a weather tight closing at the jambs. Door with width greater than 14' 0" (4267mm) shall be equipped with double end hinges.
- **Top roller carriers:** 13ga. (2.40mm) galvanized steel, adjustable type, to permit door to be butted against the lintel for maximum weather seal.
- **Bottom corner brackets:** 12ga. (2.50mm) galvanized steel.
- **Counterbalancing by weights:** cast iron link belt weight system with **one side weight box** for doors weighing less than 850lbs (400kg) **or two sides weight box** for doors weighing more than 850lbs (400kg).
- **Drums:** die cast aluminum alloy. Each drum shall have guarded cable entry. Cable adjustment is controlled with set screws from the free side of the drums.
- **Cables:** shall be galvanized aircraft type with construction of 7 x 19 with a safety factor to suit a minimum 10 000 cycles.
- **Shaft:** 1" (25mm) or 1-1/4" (32mm) solid cold rolled cross header shaft, keyed to receive drums, coupling and drive sprockets as required.
- **Track guards (optional):** Z-shaped formed 3/16" (5mm) thick steel plate, 5' 0" (1524mm) high.
- **Pusher springs (optional):** Recommended for motorised standard lift or low headroom door. Allow to keep the cable continually under tension by pushing down the top panel.
- **Fail safety corner bracket (optional):** Allows to brake and stop the fall of the door if the cable is broken.
- **Fail safety spring device (optional):** Allows to brake and stop the fall of the door in case the spring fails.