

*"Demanded by Those Who Know Quality"*

# METROPOLITAN TORSION TRIP SNOW PLOW

Available with All Metropolitan Snow Plows

## STANDARD FEATURES:

[4] 4" x 4" x  $\frac{3}{8}$ " Square Push Frame Spanning 90"

[5] Table to Moldboard Hook-Up Points with 1- $\frac{1}{2}$ " Thick Ribs, 3" Bearing Surface and 1- $\frac{1}{4}$ " Pins

Extended Roll Moldboard Continuously Welded

[2] Adjustable Pitch Settings

[2] 1" x 2- $\frac{1}{2}$ " Trip Connecting Posts - fastened by 1- $\frac{1}{4}$ " Bolts.

[4]  $\frac{3}{4}$ " Diameter Spring Wire Torsion-Trip Springs - Independently Replaceable, 7/8" optional



BASE MODEL 11ST42TT7 SHOWN

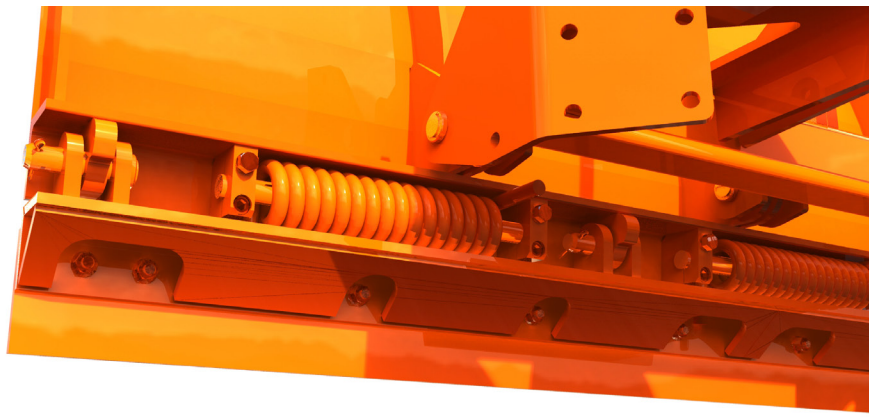
Bonnell Metropolitan Torsion Trip Snow Plows are designed for removing snow in and around obstructions often found in urban areas. The standard extended roll moldboard is designed to move the snow to the discharge end of the plow more efficiently. This prevents the snow from blowing over the top of the plow.

Bonnell's many standard features are what set us apart from our competition. Our torsion-trip cutting edge is designed with [4]  $\frac{3}{4}$ " spring wire torsion trip springs, each of which are independently replaceable without removing other springs or hinge pins. The moldboard has [2] adjustable pitch settings,

allowing you to regulate the attack angle of the cutting edge. The lower reinforcing angle has [5] hinge ears welded along its bottom to attach the lower trip section.

Plows are available with steel or poly moldboards. Other options are also available (see page 2).

Meeting the demands of Mother Nature in the winter is a tough job. You need a tough plow to get you through the harshest conditions. Bonnell Metropolitan Series snow plows will clear the way.

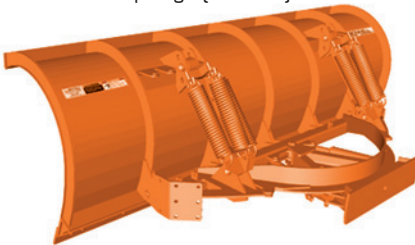


## Metropolitan Snow Plow Specifications

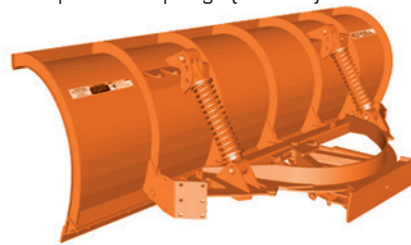
Moldboard Thickness:	10 Gauge
Moldboard Reinforcing:	(7) - 1/2" x 3" Ribs
Adjustable Moldboard Pitch Settings:	15° or 5° off vertical
Spring Wire Diameter:	3/4" (7/8" optional)
Lower Reinforcing Angle:	4" x 4" x 1/2"
Trip Angle:	4" x 4" x 1/2" reinforced fully boxed
Trip Pin Diameter:	1-1/4", independently replaceable
Reversing Cylinders:	Chrome 3" Bore x 10" Stroke (2" Rod) Double Acting
Reversing Limits (left & right):	0 to 35 degrees with Positive Stops
Plow to Table Hinge Points:	(5) 1-1/4" Hinge Pins, Spanning 90" with 3" Bearing
Cutting Edge:	5/8" x 6" High Carbon Steel Std. Punch
Pivot Pin Table to Moldboard:	1-1/4" Grade 8 Bolt
Cylinder Pins:	1" C1045 Steel Pins

## Other Metropolitan Configurations

10-Gauge Steel Construction  
with Extension Springs (STMX7)



10-Gauge Steel Construction  
with Compression Springs (STMC7)



UHMW Poly Construction  
with Extension Springs (SPMC7)



10-Gauge Steel Construction  
with Torsion Trip (STTT7)



Sold By:



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## Metropolitan Options

### Plow Lift Options

- Chain
- Level Raise Lift System™
- Chain and Saddle
- Cable Wrap



### Plow Hook-Up Options

- Quick Attach Loop
- Swivel Bar with Push Ears (1-1/4" pins @ 30.5" or 21")
- Hustling Style
- Custom Application



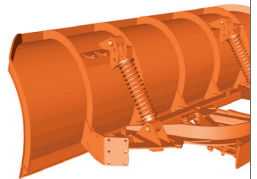
### Running Gear Options

- Standard-Duty Mushroom Shoes
  - Heavy-Duty Mushroom Shoes
  - Heavy-Duty Even Wear Shoes
  - Carbide Even Wear Shoes
  - 10" Steel Caster (Kingpinless) Wheels
  - 5.70 x 8.0 Pneumatic Tires\*
  - Foam-Filled Rubber Tires\*
- \*Should not be used with Cable Wrap Lift Assemblies



### Moldboard Options

- 3/4" Bottom Angle
- 7-Gauge Steel Construction
- Curb Cut (Mailbox Cut)
- Extra Ribs
- UHMW Poly Construction
- Special Sizes Available

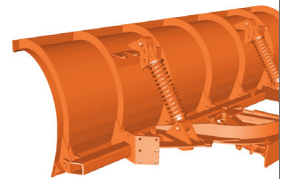


### Tripping Options

- Extension Trip Moldboard
- Compression Trip Moldboard
- Torsion Trip Cutting Edge
- Dual Trip Moldboard & Cutting Edge

### Table Options

- Extended Push Frame
- Manual Reverse
- Power Reverse

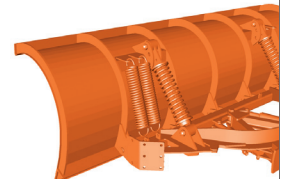


### Cutting Edge Options

- High Carbon Steel
  - Rubber
  - UHMW Poly
  - Carbide Insert with Cover Blade
  - Flame Hardened
  - PolarFlex Systems
- All cutting edges available in various sizes

### Other Options

- Cushion Valve
- Curb Shoes
- Blade Savers - Carbide
- Blade Guides
- Rubber Deflector
- Plow Stand
- Nitrited Cylinders
- Extra Extension Trip Springs



### Paint Options

- Special Paint Available

