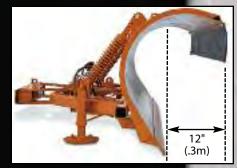


Power Reversible E-1 Power Reversible E-1 w/Slotted Trip Power Reversible E-1 w/Trip Edge Power Reversible E-1 w/Reduced Curl Power Reversible E-1 One Way



For Trucks, Motor Graders and Wheel Loaders





Deep roll casts snow perfectly and reduces snow cloud.

Rigid and trip blade units for use at all operating speeds. Recommended for airports, highways, city streets and rural roads.

- Heavy-duty double A-frame.
- Quick coupler plow units attach to push plate with 2" diameter pivot bolt allowing desired snow plow oscillation for cleaner plowing.
- Five rolled, heavy channel iron ribs provide maximum rollboard rigidity. Horizontal channel braces reinforce transverse stability.
- Moldboard may be tilted forward or back depending on snow and road conditions.
- Nitrided cylinders for increased corrosion resistance

- Bottom support structure is constructed of 4" x 4" x 3/4" A-36MOD angle iron reinforced between bolt holes.
- Heavy-duty tubular push frame distributes plowing stresses across full length of moldboard.
- Two heavy-duty single-acting reversing cylinders for quick control with hydraulic cushion valve for circuit protection.
- Standard screw-adjustable mushroom shoes.



Slotted Trip units for use at all operating speeds. Recommended for airports, highways, city streets and rural roads.

Same great features as our basic E-1 but with the tough, exclusive Falls Slotted Trip mechanism.



The Falls Slotted Trip unit is overbuilt to get you through those tough winters.

Precise moldboard curvature provides proper lift, roll, and throw.





 Heavy-duty tubular push frame distributes plowing stresses.



Trip Edge units for use at all operating speeds. Recommended for airports, highways and city streets.

Same great features as our basic E-1 but with the tough, exclusive Falls Trip Edge mechanism. Available in 1-, 2- or 3-section Trip.



 Heavy-duty tubular push frame distributes plowing stresses.



Precise moldboard curvature provides proper lift, roll, and throw (shown in stainless steel).

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POWERS ONE WAY

One Way Power Reversible Plows are for use at all operating speeds. Recommended for airports, highways, city streets and rural roads.

- Heavy-duty double A-frame.
- Quick coupler plow units attach to push plate with 2" diameter pivot bolt allowing desired snow plow oscillation for cleaner plowing.
- Four rolled, heavy channel iron ribs provide maximum rollboard rigidity. Horizontal channel braces reinforce transverse stability.
- Moldboard may be tilted forward or back depending on snow and road conditions.
- Bottom support structure is constructed of 4" x 4" x 3/4" A-36 MOD angle iron reinforced between bolt holes. Discharge end is reinforced with an additional 1/2" x 7" 1045 steel plate.
- Heavy-duty tubular push frame distributes plowing stresses across entire length of moldboard.
- Two heavy-duty single-acting reversing cylinders for quick control with hydraulic cushion valve for circuit protection.
- Nitrided cylinders for increased corrosion resistance.
- 3/8" landslide plate has renewable nose.
- Standard screw-adjustable mushroom shoes.
- Slotted Trip and Trip Edge available.





∧ Heavy-duty tubular push frame distributes plowing stresses.



 Curvature provides proper lift, roll, and throw. Deep roll casts snow perfectly and reduces snow cloud.





Now Available! The entire Falls PR Series is

available with our optional Reduced Curl moldboard. Perfect for Wheel Loader and Tractor applications.

MODEL	PR1043	PR1143	PR1243	PR1255	
Cutting Width @ 0 degrees @ 35 degrees	10' 0" (3.05m) 8' 2" (2.49m)	11' 0" (3.35m) 9' 0" (2.74m)	12' 0" (3.66m) 9' 10" (3m)	12' 0" (3.66m) 9' 10" (3m)	
Moldboard Height	43" (1.09m)	43" (1.09m)	43" (1.09m)	55" (1.4m)	
Moldboard Ribs		Five (5) Rolled He	avy Channel Iron	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
Moldboard Thickness	1	7 ga.(5mm) A607-50			
Snow Deflectors	Standard — Built-in				
Cutting Edge (AASHO punch)	5/8" x 6" x 10'	5/8" x 6" x 11'	5/8" x 6" x 12'	5/8" x 6" x 12'	
Spring Trip Assemblies	2	2	2	Optional	
Approx. Weight, plow & hyd-reverse	1800 lbs. (818 kg)	1900 lbs. (863 kg)	2000 lbs. (909 kg)	2200 lbs. (1,000 kg)	
Approx. Total Weight w/hitch assembly	2250 lbs. (1,022 kg)	2350 lbs. (1,068 kg)	2450 lbs. (1,114 kg)	2650 lbs. (1,205 kg)	

Also available are models PR1443, PR1455, & PR1655. Prices and specifications on request only.

MODEL	311HR	312R	
Cutting Width @ 0 degrees @ 35 degrees	11' 0" (3.35m) 9' 0" (2.74m)	12' 0" (3.66m) 9' 10" (3m)	
Moldboard Height, nose	30"		
Moldboard Height, discharge	58" (1.473m)	60" (1.524m)	
Moldboard Ribs	Four (4) Rolled I	Heavy Channel Iron	
Moldboard Thickness	7 ga.(2.38mm) A607-50 Steel		
Snow Deflectors	Standard — Built-in		
Cutting Edge (AASHO punch)	5/8" x 6" x 11'	5/8" x 6" x 12'	
Spring Trip Assemblies		2	
Approx. Weight, plow & hyd-reverse	1900 lbs. (863 kg)	2000 lbs. (909 kg)	
Approx. Total Weight w/hitch assembly	2350 lbs. (1,068 kg)	2450 lbs. (1,114 kg)	

POWER REVERSE – Infinite adjustment from 0 – 35 degrees, left or right. Two heavy-duty, single-acting cylinders provide smooth adjustment with the moldboard raised or lowered or while under full load. The high pressure construction (8,000 psi min. burst) enable the cylinders to withstand normal plowing stresses. A cushion valve (standard equipment) protects the cylinders and the hydraulic circuits from sudden impact or surge. TRIP MECHANISM – Compression spring-loaded tilting bars or slotted trip assemblies allow the plow to "trip" over unavoidable road hazards and return to normal plowing position. Especially recommended in urban applications.

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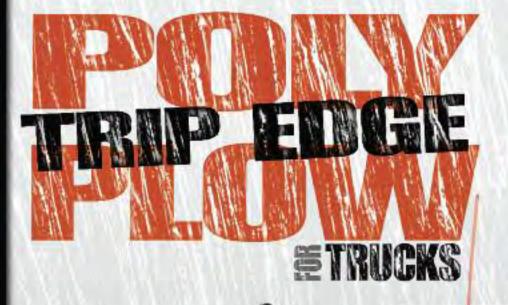


LITTLE FALLS MACHINE, INC.

300 Lindbergh Drive South Little Falls, MN 56345 Toll-free 800-772-PLOW Phone (320) 632-9266 • Fax (320) 632-3484 www.fallsplows.com



PTE Series



Poly Trip Edge Plows are for use at slow to moderate operating speeds. Recommended for airport ramps, highways and city streets. For truck mounting.

- Standard cushion valve
- 1/2" x 5" (12.7mm x 127mm) deep vertical ribs
- Heavy-duty single section trip with 6 trip springs.
- Optional screw adjustable mushroom shoe assemblies
- Heavy-duty, simplified oscillating A- frame. 4" x 4" x 1/4" (101.6mm x 101.6mm x 6.35mm) square tubing

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- 1-3/4" (44.45mm) center pivot rod
- 2" (51mm) swivel bolt
- 3/8" (9.5mm) UHMW moldboard

MODEL	PTE-11	PTE-12			
Cutting Width @ 0°	11' 0" (3.35m)	12' 0" (3.66m)			
Cutting Width @ 35°, left or right	9' 0" (2.74m)	9' 10" (3.05m)			
Overall Moldboard Height	44" (1.12m)	44" (1.12m)			
Moldboard Reinforcement	(10) 1/2" x 5" (12.7mm x	(10) 1/2" x 5" (12.7mm x 127mm) deep vertical ribs			
Moldboard Thickness	3/8" (9.5mm) UHMW				
Cutting Edge	5/8" x 6" (15.87mm x 152mm), AASHTO punched				
Trip Mechanism	Torsion Spring – .75" (19mm) 5160H material				
Reversing Cylinders	Two (2) 3" (76mm) bore x 24" (.6m) stroke x 2-1/2" (63.5mm) rod, single-actir				
Approximate Weight (Plow with push frame and hydraulics)	2450 lbs. (1,111 kg) 2550 lbs. (1,15				
Screw Adjustable Shoes	optional	optional			

Available options: Carbide cutting edges, curb shoes, moldboard shoes, level lift assembly.

POWER REVERSE – Infinite adjustment from 0–35 degrees, left or right. Two heavy-duty, single-acting cylinders provide smooth adjustment with the moldboard raised or lowered or while under full load. The high pressure construction (8,000 psi min. burst) enables the cylinders to withstand normal plowing stresses. A cushion valve (standard equipment) protects the cylinders and the hydraulic circuits from sudden impact or surge.

Falls Reversible Snow Plows are built to the same standards of quality and workmanship as the famous Falls One Way and V-type Snow Plows. Durability and performance are synonymous with the Falls brand equipment. Falls equipment is built to withstand the use and abuse that owners of this type of equipment demand and must have.

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REVERSEBLE TRUCKS & WHEEL LOADERS

Trip edge units for use at slow to moderate operating speeds. Recommended for airport ramps, highways and city streets. For use on trucks and wheel loaders.

Standard cushion valve

 1-1/2" (38mm) center pivot rod

alls

• 5/8" (15.87mm) thick end ribs

Falls

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 Double, overlapping, 7 gauge (5mm) and 10 gauge (3mm), formed box sections provide full length reinforcement

6 – 3/4" (19mm) 5160H torsion trip springs per plow.
A 1-piece trip edge is standard.
A 3-piece trip edge is optional.

 2" (51mm) swivel bolt

 Heavy-duty, simplified oscillating A frame.
 4" x 4" x 1/4"
 (101.6mm x 101.6mm x 6.35mm) square tubing

 Standard screw adjustable mushroom shoe assemblies

MODEL	TER-10	TER-11	TER-12			
Cutting Width @ 0°	10' 0" (3.05m)	11' 0" (3.35m)	12' 0" (3.66m)			
Cutting Width @ 35°, left or right	8' 2" (2.5m)	9' 0" (2.74m)	9' 10" (3.05m)			
Overall Moldboard Height	42" (1.07m)	42" (1.07m)	42" (1.07m)			
Moldboard Reinforcement		Two (2) double-formed box sections 7 gauge (5mm), Grade A607-50 steel				
Moldboard Thickness	10 gauge (3mm), Grade A607-50 steel					
Cutting Edge	5/8" x 6" (15.87mm x 152mm), AASHTO punched					
Trip Mechanism	Torsion Spring					
Reversing Cylinders	Two (2) 3" (76mm) bore x 24" (.6m) stroke x 2-1/2" (63.5mm) rod, single-acting					
Approximate Weight (Plow with push frame and hydraulics)	1700 lbs. (773 kg)	1800 lbs. (818 kg)	1900 lbs. (864 kg.)			
Screw Adjustable Shoes	standard	standard	standard			

Available options: Three (3) torsion spring trip sections, carbide cutting edges, coatings for moldboard face, curb shoes, moldboard shoes, level lift assembly.

POWER REVERSE – Infinite adjustment from 0–35 degrees, left or right. Two heavy-duty, single-acting cylinders provide smooth adjustment with the moldboard raised or lowered or while under full load. The high pressure construction (8,000 psi min. burst) enables the cylinders to withstand normal plowing stresses. A cushion valve (standard equipment) protects the cylinders and the hydraulic circuits from sudden impact or surge.

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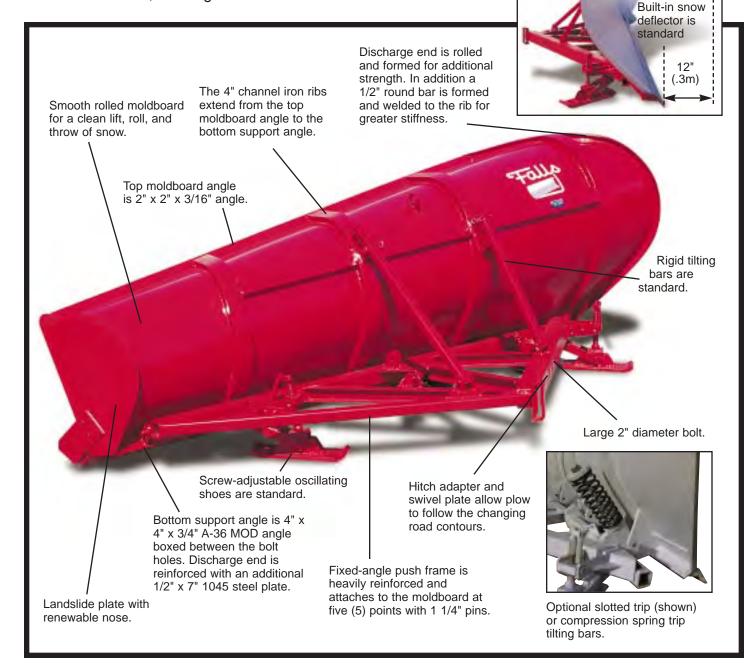
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Rigid and trip blade units for use at all operating speeds. Recommended for airports, highways, city streets and rural roads. For use on trucks, motor graders and wheel loaders.



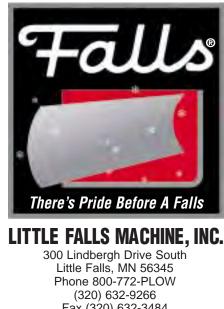
Specifications One-Way Snow Plows

MODEL	310	311	311H	312	411	411H
Cutting Width	8' 6" (2.59m)	9' 4" (2.84m)	9' 4" (2.84m)	10' 3" (3.12m)	9' 10" (3m)	9' 10" (3m)
Overall Length	11' 0" (3.35m)	12' 0" (3.66m)	12' 0" (3.66m)	13' 0" (3.96m)	13' 8" (4.17m)	13' 8" (4.17m)
Height at Nose		30" (.	76m)		32" (.81m)	36" (.91m)
Height at Discharge End	51" (1.3m)	52" (1.32m)	58" (1.47m)	60" (1.52m)	60" (1.52m)	66" (1.68m)
Plowing Angle		33°				5°
Cutting Edge (AASHO punch)	5/8" x 6" x 10' (16mm x 152mm x 32.8m)	5/8" x 6" x 11' (16mm x 152mm x 35.4m)	5/8" x 6" x 11' (16mm x 152mm x 35.4m)	5/8" x 6" x 12' (16mm x 152mm x 39.4m)	5/8" x 6" x 12' (16mm x 152mm x 32.8m)	5/8" x 6" x 12' (16mm x 152mm x 39.4m)
Thickness of Moldboard (Hi-Tensile Steel)	10 g	10 gauge (3mm) (other gauges optional)				e (5mm)
Snow Deflectors (built-in)		Standard				
Screw Adjustable Shoes 1" x 6" x 20"	Standard					
Renewable Nose	Standard					
Weight of Plow	1525 lbs. (693 kg)	1625 lbs. (739 kg)	1725 lbs. (784 kg)	1825 lbs. (830 kg)	1850 lbs. (841 kg)	1925 lbs. (875 kg)

Also available are models 313, 314 & 416. Prices and specifications on request. Power Reversible One-Way Plows are available in 10, 11 & 12 ft. models.

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Rigid and trip blade units for use at all operating speeds. Recommended for airports, highways, city streets and rural roads. For use on trucks, motor graders and wheel loaders.

Discharge end is rolled and formed for additional strength. In addition a 1/2" round bar is formed and welded to the rib for greater stiffness.

Built-in snow deflector is standard 12" (.3m)

Smooth rolled moldboard for a clean lift, roll, and throw of snow. The 4" channel iron ribs extend from the top moldboard angle to the bottom support angle.

Top moldboard angle is 2-1/2" x 3-1/2" x 1/4" angle.

> Rigid tilting bars are standard.

Large 2" diameter bolt.

3/8" landslide plate.

Bottom support angle is 4" x 4" x 3/4" A-36 MOD angle boxed between the bolt holes. Discharge end is reinforced with an additional 1/2" x 7" 1045 steel plate.

Screw-adjustable

oscillating shoes

are standard.

Fixed-angle push frame is heavily reinforced and attaches to the moldboard at five (5) points with 1-1/4" pins. Hitch adapter and swivel plate allow plow to follow the changing road contours.



Optional slotted trip (shown) or compression spring trip tilting bars.

MODEL	311	311H	312	412	411H		
Cutting Width	9' 4" (2.84m)	9' 4" (2.84m)	10' 3" (3.12m)	9' 10" (3m)	9' 10" (3m)		
Overall Length	12' 0" (3.66m)	12' 0" (3.66m)	13' 0" (3.96m)	13' 8" (4.17m)	13' 8" (4.17m)		
Height at Nose	30" (.	76m)	32" (.8	31m)	36" (.91m)		
Height at Discharge End	52" (1.32m)	58" (1.47m)	60" (1.52m)	60" (1.52m)	66" (1.68m)		
Plowing Angle		33°			35°		
Cutting Edge (AASHO punch)	5/8" x 6" x 11' (16mm x 152mm x 3.35m)	5/8" x 6" x 11' (16mm x 152mm x 3.35m)	5/8" x 6" x 12' (16mm x 152mm x 3.66m)	5/8" x 6" x 12' (16mm x 152mm x 3.66m)	5/8" x 6" x 12' (16mm x 152mm x 3.66 m)		
Thickness of Moldboard (Hi-Tensile Steel)		10 gauge (3mm)			7 gauge (5mm)		
Snow Deflectors (built-in)		Standard					
Screw Adjustable Shoes 1" x 6" x 20"	Standard						
Weight of Plow	1625 lbs. (739 kg)	1725 lbs. (784 kg)	1850 lbs. (841 kg)	1850 lbs. (841 kg)	1925 lbs. (875 kg)		

Also available are models 313, 314 & 416. Prices and specifications on request. Power Reversible One-Way Plows are available in all models.

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Falls® Snow Express Plow

five (5) heavy rolled channel iron ribs. Horizontal braces for additional moldboard reinforcement. Moldboard tilt feature. Moldboard may roll forward or back depending on snow and road conditions.

Precise moldboard curvature provides lift, roll, and throw of snow for maximum efficiency and easier plowing.

A-frame push plate is double tubular construction. Hitch unit will attach through large diameter hinge bolt (2") to allow the plow to oscillate to follow changing road contour.

Heavy-duty reversing push frame distributes plowing stress across the entire length of the moldboard.



Discharge end is

additionally reinforced

Push frame attaches at

structure is 4" x 4" x 3/4"

four (4) pins - 1 1/4".

A36MOD angle iron

reinforced between

Bottom support

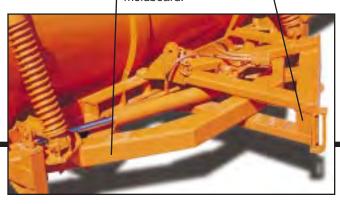
bolt holes.

with 1/2" roundbar.

flanged and

Standard screw-adjustable mushroom shoes.

Optional slotted trip (shown) or compression spring trip tilting bars.



Specifications Snow Express Plow

SPECIFICATIONS	XPR-11	XPR-12
Cutting Width @ 0 degrees @ 35 degrees	11' 0" (3.35m) 9' 0" (2.74m)	12' 0" (3.66m) 9' 10" (3m)
Moldboard Height, center discharge	45" (1.14m) 60" (1.52m)	45" (1.14m) 63" (1.6m)
Moldboard Thickness	10 ga. (3mm) A607-50	10 ga. (3mm) A607-50
Snow Deflectors	built-in	built-in
Cutting Edge (AASHO punch)	5/8" x 6" x 11' 16mm x 152mm x 3.35m	5/8" x 6" x 12' 16mm x 152mm x 3.66m
Spring Trip Assemblies	2	2
Approximate Weight,	2015 lbs (916 kg)	2135 lbs (970 kg)

1. The Falls Snow Express Plow is designed for efficient snow removal combining the high speed characteristics of a one-way plow and the versatility of a reversible snow plow. The precise curvature produces an excellent flow of snow for maximum casting ability.

2. Infinite adjustment from 0–35 degrees, left or right. Two heavy-duty, double-acting cylinders provide smooth adjustment with the moldboard raised or lowered or while under full load. The high pressure construction (8,000 psi min. burst) enable the cylinders to withstand normal plowing stresses. A cushion valve (standard equipment) protects the cylinders and the hydraulic circuits from sudden impact or surge.

3. The heavy tubular construction reversing table plus the double-reversing A-frame are the heaviest in the industry. The heavy construction not only provides maximum strength, but also provides the ultimate in hydraulic component protection.

4. Three (3) position pitch control allows the operator to select the proper "attack angle" for varying snow and ice conditions. The adjustable pitch allows compensation for loose or hard-

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5. Compression spring-loaded tilting bars allow the plow to "trip" over unavoidable road hazards and return to normal plowing position. Especially recommended in urban applications.

6. The Falls Snow Express Plow is built to the same standards of quality and workmanship as the famous Falls One-Way and V-type Snow Plows. Durability and performance are synonymous with the Falls brand equipment. Falls equipment is built to withstand the use and abuse that owners of this type of equipment demand and must have.





ETRUCKS, MOTOR GRADERS & WHEEL LOADERS

When Winter Shoves, Get Pushy! Push it back with a heavy-duty Falls[®] V-Plow.



Lift and roll of the moldboard discharges snow with ease and in one fluid motion.





Shoe adjustment, including nose shoe, is made easily without the use of tools.

90 degree included blade angle provides the easiest pushing V-Plow in the industry.

Easily adaptable to major quick hitches and conventional hitches.

Falls V Series V-Plows are also available for Motor Graders and Wheel Loaders.

MODEL	V-890	V-90	V-100	V-110 (spec. order only)	V-120 (spec. order only)	
Cutting Width	9' 8"	9' 8"	10' 4"	11' 10"	11' 10"	
Overall Width	10' 8"	12' 0"	13' 3"	13' 6"	15' 7"	
Height at Discharge End	6' 0"	7' 0"	7' 8"	8' 0"	8' 3"	
Cutting Edges (2) AASHO	1/2" x	6" x 6'	1/2" x 6" x 7'			
Moldboard Thickness A607-50	10 gauge	7 gauge				
Renewable Nose	Standard					
Shoes	Three (3), 1" x 6" x 20" C1080					
Spring-loaded Deflectors	Standard on Truck Mounted V-Plow Optional on Motor Grader Mounted and Wheel Loader Mounted V-Plow					
Weight of Plow Only	1500 lbs (682 kg)	2275 lbs (1034 kg)	2540 lbs (1155 kg)	2800 lbs (1273 kg)	3600 lbs (1636 kg)	

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