
Snowplow Specifications – Heavy Duty Steel Plow HD90-S

Snowplow Finish (Coating)

Galvanized

Blade Assembly:

Top 10 ga. hot rolled steel sheet x 30" high, formed to 14.1/4" radius with 7/8" radius top curl.

Overall blade height 26".

Top and bottom reinforcing angle 1/4" x 2" x 2".

5 formed 1/4" x 2" ribs welded to sheet and top and bottom reinforcing angles.

Plow angling 30 degrees left and right.

2-way reversible cutting edge 1/2" x 6" high carbon steel C 1090 attached with 1/2" carriage bolts.

2 full rotation, height adjustable stamped steel shoes, welded to 1" diameter steel shafts and secured with lynch pins.

Full blade trip with three 2.375" OD x 0.393" diameter carbon steel trip springs preloaded with 5/8" x 6.7/8" eye bolts.

Blade trip pivot - three 3/4" rivets in reinforced rib holes.

High visibility orange spring mounted blade guides.

Quadrant

Welded, reinforced 3/8" x 2.1/2" x 2" steel angle with attachments for 3/4" diameter cylinder attaching bolts.

Special 3/4" diameter shoulder bolt for A-frame - Quadrant pivot.

A-frame

Welded, reinforced 3/8" x 2.1/2" x 2.1/2" steel angle with attachments for 3/4" diameter cylinder attaching bolts.

5/16" (.3125) transport lift chain.

Lift frame & Mounting Kit

Universal lift frame - welded, reinforced laser cut 5/16" steel uprights with two 3/16" x 2 3/8" cross tubes. Provisions for auxiliary lights.

Mounting kit -welded, custom designed kit (1/4" & 3/8" formed steel) to fit specific truck.

Formed 3/16" (.188) steel lift channel.

Two 1" diameter pins with eye handles for quick blade assembly attachment.

Hydraulics

Out front hydraulics

Combination pump/motor/reservoir, with externally adjustable system relief valve.

Control box with up/down and left/right rocker switches/touch pad/joystick/handheld controller.

Adjustable crossover relief valves.

Two 1.1/2" x 10" Nitrotech coated angling cylinders.

One 1.1/2" x 6" Nitrotech coated lift cylinder / Integral 1.1/2" x 6" cylinder in out front pump

Hydraulic fluid to be low viscosity UNIVIS HVI13 (J13) fluid for out front power unit.

Lights

Rectangular Sealed beam AXV lights. Dual beam low profile head lamps or LED headlights with combination of park/turn signals and plug-in harness.