

# SNO-KING DT-10 SNOW PLOW PACKAGE

SK0400P WITH HYDRAULICS  
36" Moldboard height by 10' width

	Minimum Specification	Does not Meet Spec	Meets Spec	Comments
<b>Double Trip System</b>				
1	"Polyurethane hinge" is 1 13/16" x 5 1/2" x 118 1/2" long			
2	Polyurethane material bonded to the torque arm shaft			
3	Urethane torque arm trips are inserted into each end of the torque tube			
4	Torque arms are constructed from 1/2" steel plate ends with a 2" steel shaft welded perpendicular to the end plate			
5	Steel shaft is tapped and threaded			
6	The top of the arms bolt to corresponding holes of the main 1/2" plate ribs of the moldboard			
<b>Moldboards</b>				
1	Ten-gauge cold rolled steel is press molded into 16 1/2" radius rib frame assembly then fully welded			
2	(2) 1/2" ribs with (4) holes are anchored to the A-Frame			
3	(3) 3/8" center ribs & (2) 3/8" outer ribs			
4	Center ribs are reinforced with a 3/8" x 3" cross brace			
5	Top edge is capped with a 120" x 2" x 2" x 1/4" angle			
6	Lower base angle is 7" x 2 1/2" x 3/8" x 120' long with a full length crimp in the 7" leg of the angle			
7	7" leg of the base angle is parallel to the road surface			
8	Rib assembly is continuously jig welded			
<b>Lift Frame Assembly</b>				
1	Lift frame consists of (2) 1" x 4" x 15" mounting bayonets welded to vertical support tubes			
2	Each bayonet has (2) holes for 1" pins to provide a four point attachment to the receiver plate			
3	Vertical supports are 3" x 4" x 1/4" rectangular tube 36" tall			
4	2" x 10" lift cylinder			
5	Cylinder is supported by (2) 3/8" gussets welded to a 3" x 3" x 1/2" cylinder base angle			
6	Lift arm is constructed of 2 1/2" square tube, 15" long, & has (2) chain "key holes"			

7	Lift arm pivot pin & cylinder attachment pins are 1" in diameter from cold rolled steel			
8	Push beam is constructed of 3" x 4" x 1/4" rectangular tube with dual push heights on 21" centers			
9	Top member of the frame is 3" x 4" x 1/4" tube with holes punched for plow lights			
<b>Detachable Mounting System</b>				
1	Lift frame assembly inserts into the receiver boxes which are welded to a 1/2" x 6" universal cross member			
2	Receiver boxes have an inside dimension of 1.25" wide 4.25" high 8" deep			
3	Receiver boxes are constructed from 1/2" thick steel			
4	(4) Standard 1" & 3/4" spring loaded clevis pins secure the lift frame within the receivers			
<b>Finish</b>				
1	All plow parts are cleaned & powder coat painted			
2	Moldboard safety orange			
3	Steel parts are painted semi-gloss black			
<b>A-Frame Push-Frame</b>				
1	Constructed of mild steel 3 1/2" x 3 1/2" x 3/8" structural square tube			
2	Laminated with a 1/2" torque plate			
3	Back brace is 8" x 32" x 3/4" plate			
4	Diagonal gussets are 3/4" thick & angling cylinders are anchored by 1/2" symmetrical gussets			
5	Center pivot pins are 1 1/2" grade 8 rivet head designed with external snap ring keeper			
6	Center pin is fully bossed with 2" slug			
7	Standard swivel is 21" centers and pivots on a 1 1/4" grade 8 bolt			
8	Reverse cylinders are 2 1/2" x 10" SA with cushion valve protection			
<b>Torque Tube Push Bar</b>				
1	Consists of 5" x 5" square tube with 1/4" walls			
2	Torque tube resist rotation with (2) 1/2" bottom and top slap plates			
3	Unit is fastened to the moldboard with (2) 1" grade 8 pivot bolts and (2) grade 8 3/4" bolts and lock nuts			
4	Upper blade is controlled with 1/2" torque arms			
<b>Hydraulics</b>				
1	The self-contained electric/hydraulic power unit is mounted in the plow lift frame			
2	Control harness & power lead to have weather resistant			

	plug connectors			
3	12-volt electric motor has an extended duty cycle			
4	Control valves are solenoid operated with cross over relief on the reverse circuit, flow & check valves on the plow lift circuit			
5	Pump flow is 2.0 CC per revolution at 2600 PSI			
6	Polyethylene reservoir is 2.0-quart capacity with fluid level gauge on the front of the reservoir			
7	Power reverse cylinders are 2 1/2" x 10" single acting with cushion valve protection			
8	All hydraulic lines are Parker 451TC-4-RL hose, equipped with quick disconnect and 90 degree swivels			
9	Piston pins are standard 1" pins with cotter pins as keepers			
10	Control box for the electric solenoid actuated valves have an on/off switch			
11	Vehicle portion control harness is a two-piece design with disconnect plugs allowing removal of the control box when not in use			
<b>Cutting Edge</b>				
1	3/4" x 6" x 120", TS 1080 material			
2	11/16" conventional AASHO punched counter sunk hole			
3	Plow bolts, plate and body washers with top lock nuts			
<b>Accessories</b>				
1	Blade guides – orange			
2	Bolt on flexible plastic rods			
<b>Optional Equipment</b>				
1	1/4" polyethylene moldboard in lieu of steel			