



# Patching Solutions

**DURA PATCHER**

***A Permanent  
Pothole Solution  
2 Man Patcher***



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FRS Canada is a Division of THE FRS GROUP INC

***Specialist Road Maintenance Equipment Supplier and Service Center***

# DURA PATCHER

## Model 125-DJT Truck Mount

### PRODUCTION

125 lbs. mix per minute in continuous operation using 1/4" to 1/2" aggregates. Wet or dry aggregates can be used.

### BLOW-VAC AIR CONVEYOR:

- 7 cubic yard struck capacity rectangular hopper box for holding aggregate before entering air stream.
- Gravity feed of aggregate.
- Hopper box slide gate is opened and closed by a single 3 1/4" dia., 4" stroke air ram. The air ram is actuated by a 12 volt air solenoid valve controlled by remote switch at operators handle.
- Handles aggregate from 1/4" to 1/2" grade allowing aggregate up to 2 1/2" size to pass through hose without clogging.
- Vibrator
- Dual slide gates for safety and inspection
- Clean out door for hopper
- Hopper 9' X 7' for easy loading
- Hopper height 9'2" from ground, mounted on truck

### BLOWER:

- Produces 450 CFM with 7 PSI at 1500 rpm's using approximately 42 BHP.
- Driven directly off engine flywheel eliminating belt drive.
- Air relief pop off valve set at 10 PSI, to protect blower from overheating.
- Maximum blower temperature is 275° F.  
Normal operation is under 230° F.

### ENGINE:

- Water cooled John Deere diesel engine - Model 4045D - Rated 80 BHP.

### COMPRESSOR:

- Heavy duty continuous pressure with governor regulator valve set at 70 PSI to 95 PSI. Produces 15 CFM.
- Bolted directly to engine auxiliary drive eliminating belts and pulleys.

### AIR FILTERS:

- Engine: Paper element
- Blower: Paper element

### TANKS:

- Emulsion Tank: 250 gallon, 200 PSI working pressure at 500° F. Optional 300 gallon tank.  
Insulation: R-15 rated covered by a weatherproof FRP (Fiber Reinforced Plastic) cover that is fire retardant.  
Two 1,500 watt, 120 volt heater blankets thermostatically controlled. Optional 6000 watt heating available.  
Tank has pressure relief valve set between 100 PSI and 110 PSI.

- Emulsion line clean out tank: 15 gal. pressurized diesel tank. 100 PSI working at 450° F. Safety pressure relief valve set between 100 PSI and 110 PSI.
- Engine Fuel Tank: 18 gallons.

### HOSES:

- Aggregate Hose: 3 1/2" I D schedule 40 pipe 10' long connected to 3 1/2" I D non-kinking, plastic wire reinforced rubber neoprene lined hose 16'4" long for a total length of 26'4".
- Emulsion Line: 3/8" I D hose, 250 PSI rated, 20' long.
- Diesel clean-up line for cleaning emulsion line out. 15' long.

### VENT FLOW NOZZLE:

- 3 1/2" lightweight, perforated tube 13" long.
- Has a 1/2" by 1/16" spray slot for 100% coating of aggregate.
- Has perforated holes to relieve air when aggregate exits nozzle to repaired area. This prevents repair material from being blown out of repair area.

### SWING HOSE CARRIER:

- Holds complete aggregate hose so operator does not have to carry hose. No fatigue design.
- Operator controls emulsion, engine rpm's, rock, vibrator and horn from operator's station.
- 18' working radius.

### HOT OIL HEAT EXCHANGER SYSTEM:

- 12-volt circulator pump, circulates heated oil through a 2" diameter 4' long pipe inside emulsion tank then through a 3/8" diameter hose to the emulsion nozzle, then back to heat exchanger. This keeps the emulsion tank, emulsion line and nozzle at an average temperature of 140° F for cold weather use down to 5° F.

### MOUNTING

- Entire unit mounted on 10" channel frame.

### TRUCK RECOMMENDATIONS:

- 33,000 GVW Recommended.
- Cab to axle—120"
- 16' frame rails (cab to end of frame)

### PATCHER DIMENSIONS

- 76" High
- 92" Wide
- 20'1" Length

### COLOR:

- Safety Orange

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.