GateMaster I in use

GateMaster Hopper Car Gate Opener

Gatemaster I

The **Gatemaster** is a compact, simple-to-use manual tool for hard-to-open car gates. Through planetary gear reduction in the **Gatemaster** head, the worker's handle effort is multiplied 18½ times - a considerable mechanical advantage. A maximum torque output of 3,200 ft.-lbs. can be achieved by only 173 lbs. of handle effort. By comparison, the same effort on a 6 ft. pry bar would only produce about 1,000 ft.-lbs. of torque. There is no loss of effort when using the **Gatemaster**. The output torque is sustained until the gate opens or the operator releases the torque. Weight 30 lbs.

#4020-05 Gatemaster I Assembly

Gatemaster II

Adding an "assistant" torquing unit to the **Gatemaster** greatly reduces input handle effort needed to achieve full 3,200 ft.-lbs. output. Less worker fatigue results. Weight 35 lbs.

The "assistant" unit's ½ in. square drive mates with the main **Gatemaster** unit.

Only 35 lbs. of input effort is needed on handle.

#4020-06 Gatemaster II Assembly

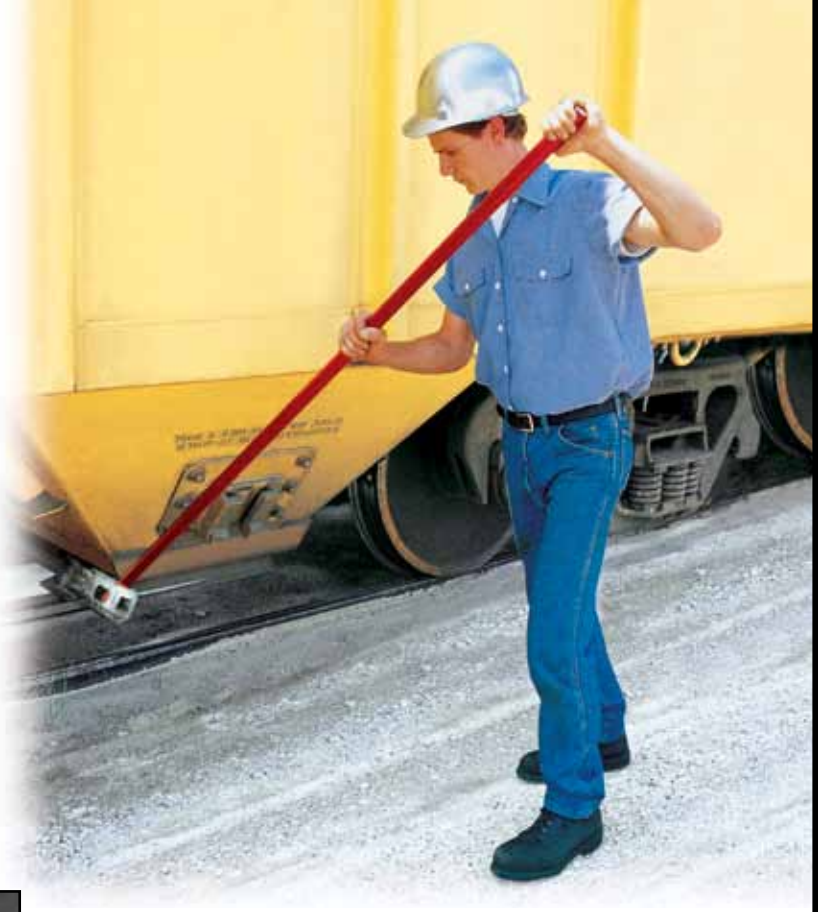
Open hopper car gates with your own power equipment

Square Drive Fittings for Air Wrenches

1½ in. to 1¼ in. stepped end.
Length 5 in. Weight 5 lbs.
2,000 ft./lbs. maximum torque.

4024-06	AL-94	1 in. sq. drive
4024-07	AL-116	1½ in. sq. drive

Hopper Car Gate Openers



Covered Hopper Cars

Turning Bar for Sliding Gates

Six feet long and made of 1⅜" dia. stress-proof steel, with an angle at one end to clear the side of car. Operator should not jump or stand on the bar.

#4020-03 Weight 30 Lbs.

Open Top Hopper Cars

Pry Bar for Swing or Drop Doors

Lightweight

High-Strength

Less fatiguing to use

Weighing only 13 lbs., the five foot pry bar gives the worker good leverage to swing and lift heavy car doors. Lower section of bar is made of heat treated alloy steel, machined to a narrow wedge end for working into a variety of sockets and forcing stubborn door locks.

Use 5 foot bar

Wine Gate Lock

Miner Type D Lock

Since these car doors span the width of the car body two workers with pry bars are needed — one on each side of the car — working in tandem to open and close the doors.

Use 3 foot bar

Cam-Action Dual Toggle Lock
(also recommended for Enterprise-type locks.)

Air-Powered Gate Openers for Covered Hopper Cars

High Impact for Corrosive and Sticky Materials

Workmaster

Workmaster produces up to 13,000 ft.-lbs. of energy at 85 psi, 114 cfm with 1 in. air hose. Rubber tires can be flipped sideways to move the **Workmaster** from gate to gate. Self-closing lever throttle, wheel pivot and forward-reverse controls are all grouped together. Needs 6 ft. of space between side of car and wall. All fittings and controls provided.

4120-04 Weight 318 lbs.

GATE-JACK Air Powered Opener

For opening cars carrying dry, granular, free-flowing materials. The **Gate-Jack** needs 80-90 psi air pressure and 50 cfm volume of air to produce 2,000 ft.-lbs. of output torque. The **Gate-Jack** housing mounts directly on the gate's spindle head. The operator twists the air control valve in the desired direction for the force of the **Gate-Jack** to be transmitted to the car gate. Control valves and hoses are provided. A 3/8 in. dia. lubricated airline is needed for best performance. The operator furnishes a 3 ft. steel rod (1 in. dia.) to serve as a braking bar.

4120-01 Weight 77 lbs.

PowerDrive Electric Gate Opener

The combination of 1½ hp, 10 rpm gear motor and telescopic drive shaft will open any car gate that is not damaged or ice-bound. Instead of using one-directional, high torque hammer action, the **Powerdrive** relies on the instantaneous reversibility of an electric motor to "rock" the stuck gate open. The drive shaft angles 20° in all directions and telescopes to reach varying socket positions. The gear motor's double shaft allows two-track gate opening. **Powerdrive** assembly includes gear motor, drive shaft, controls and fittings. By adding the optional Sliding Carriage, the **Powerdrive** can work its way down a line of gates. (NEMA 4x 230/460 V.)

4020-08 Gear Motor, Shaft, Controls, Fittings Weight 300 lbs.
4020-11 Sliding Carriage Weight 50 lbs. (customer supplies 6W20 beam)