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INDUSTRY'S MOST **DANGEROUS, DIFFICULT, DIRTY** JOBS MADE **SAFER, EASIER, & FASTER**

WORKMASTER has the Hopper Car Gate Opener you need to eliminate the safety and productivity problems associated with the dangerous, dirty, and slow job of unloading hopper bottom railcars. We offer the industry's most complete line of Gate Openers for hopper car railcars. Based on factors such as number of cars unloaded, and unloading site conditions including available utilities (compressed air pressure and volume, 3-phase power, etc), site security, and budget, a Customer can choose from our wheeled-cart, beam-mounted, and hand portable Gate Openers which are available in pneumatic, electric, or manual power.

WORKMASTER Hopper Car Gate Openers (our GO Line) allow a single operator to open or close hopper car slide gates in a fraction of the time required with makeshift tools. With the right Hopper Car Gate Opener, even solidly jammed railcar gates, the kind that put several workers into overtime or cause railcars to be shunted to alternate tracks, are easily, safely and quickly opened. The torque output of **WORKMASTER** Gate Openers vary from 400 lbs-ft to a whopping 13,000 lbs-ft and operate at speeds from 8-RPM to 1,400-RPM for easy, fast, and safe opening of any railcar traveling gate. With productivity gains like these, it's no wonder every company that has ever tried a **WORKMASTER** Hopper Car Gate Opener has purchased one!



WORKMASTER Hopper Car Gate Openers (GOs) are engineered and manufactured to provide dependable, long-term service. Construction materials are chosen for their strength and durability. All Gate Openers are made from either high-quality low carbon steel or high-tensile aluminum alloys. Drive fittings and extensions are made from 4140 tool steel. Steel components are laser cut, and welded by AWS certified welders to meet AWS and ANSI Standards. Finishing operations include precision machining, Grade-8 fastened joints, and protective coatings such as powder coat, plating, black oxidizing, or acrylic enamel paint.

As you'll see, every one of our Hopper Car Gate Openers can make the job safer and easier. So how do you decide which model is best for your unloading site? Is it the fastest and most powerful (and also the most expensive) or is it the more manual (and also the least expensive) model, or is it something in-between? Your decision should be based on criteria such as: **(1)** the Condition and consistency of the railcars you process (old and poorly maintained railcars mean more GO power is needed, and varying-height capstans mean more height adjustability); **(2)** the Quantity of railcars you process on a daily, weekly, or monthly basis (more gates mean more GO speed is needed); **(3)** the Condition and location of unloading site (remote sites, or sites with uneven terrain can mean more GO automation, while tight quarters could mean choosing a smaller GO with manual operation); **(4)** the Budget (GOs range in price from \$1,000 to \$18,000 — but don't let price be the primary determinant, our financing and leasing programs can usually solve the "budget problem"). Finally, if you'd like our help in selecting the best GO for your site, give us a call. With over 8,000 GOs in use, we're sure our over 70-years of experience will help you select the Gate Opener that best meets your needs.

GO-A8-PW

HOPPER CAR GATE OPENER

WORKMASTER
WE FIND A WAY — OR MAKE ONE!



The **GO-A8-PW**, the flagship of our line, is an air-powered Gate Opener on a wheeled-cart with pneumatically controlled pivot wheels (to follow traveling gate or moving train), and manual height adjustment (accommodate varied-height capstans). The **GO-A8-PW** is the wise choice for worksites which experience:

- Railcars with gates that vary from easy-to-open to extremely difficult found on cars not well-maintained or regularly repaired;
- Railcars with either fixed position or traveling gate mechanisms;
- Rough or uneven trackside terrain making Opener maneuverability an issue;
- Railcars with varied-height capstans/gate mechanisms;
- Railcars in long train units which require rapid opening/closing during continuous movement unloading.

THE GO-A8-PW

FEATURES A CONTROLLABLE SPEED OF 100- TO 1,400-RPM, AND A NO-TORQUE REACTION, SELF-REGULATING POWER OUTPUT OF 1,000 TO 13,000 LBS-FT TO OPEN ANY GATE IN < 8 SECONDS!

CAPSTAN DRIVE FITTING

Open hundreds of slide gates with this precision-machined, 4140 tool steel, 1-piece drive fitting with 1-1/2" sq socket x 1-1/2" to 3/4" taper.

AIR-POWERED PIVOT WHEELS

2-position toggle switch allows oversized, flat-free, solid tires to manually pivot 90° to follow capstan movement on traveling gates.

1" FILTER / REGULATOR w/ GAUGE / LUBRICATOR

Reduce maintenance while guaranteeing critical wear components receive clean air, controlled PSI air pressure and regular lubrication.

OIL CADDY & TOOL STORAGE UNIT

Tool Storage Container to hold drive fitting, drive extensions, swage kit and TOOL-LUBE oil.

ERGONOMIC CONTROLS

Ergonomically positioned, self-closing, speed control throttle; Positive on/off pivot wheel switch; Forward/Reverse air motor lever arm.

GO-A3-PW

HOPPER CAR GATE OPENER



The **GO-A3-PW**, an air-powered, wheeled-cart Gate Opener, allows control of its pivot wheels (follows the traveling gate), and height adjustment (accommodate varied capstans). The **GO-A3-PW** is well suited for work-sites that experience:

- Railcars that vary from easy-to-open to moderately difficult because they are well-maintained and regularly repaired;
- Railcars with either fixed position or traveling gate mechanisms;
- Track side surface is level, smooth, and unobstructed (for traveling gate mechanisms);
- Railcars with varied-capstan/gate mechanisms.

THE GO-A3-PW

GO-A3-PW GENERATES A CONSTANT SPEED OF 8-RPM, AND A POWER OUTPUT OF 2,700 LBS-FT.

SELF-CONTAINED, SLIDE-A-WAY OUTRIGGERS

Simply and safely counterbalances the torque reaction that occurs when opening or closing gates; improves maneuverability.

CAPSTAN DRIVE FITTING

Heavy-Duty, bolt-on, 1-piece construction to guarantee long service life.

ADJUSTABLE HEIGHT HANDLE

Easily adjusts to the correct height and angle for operator preference and safe usage.

PIVOT WHEELS

One Lever allows wheels 90° to follow capstan movement on traveling gates.

GO-A13-HA

HOPPER CAR GATE OPENER

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The **GO-A13-HA** is an air-powered Gate Opener on a wheeled-cart with pneumatic control of both its pivot wheels (follow traveling gate or moving train), and height adjustment (accommodate varied height capstans). The **GO-A13-HA** is the wise choice for work sites which experience:

- Railcars with gates that vary from easy-to-open to extremely difficult that are found on cars not well maintained or regularly repaired;
- Railcars with either fixed position or traveling gate mechanisms;
- Rough or uneven trackside terrain making Opener maneuverability an issue;
- Railcars with varied-height capstan / gate mechanisms;
- Railcars in long train units require rapid opening /closing during continuous movement.

THE GO-A13-HA

FEATURES A CONTROLLABLE SPEED OF 100- TO 1,400-RPM, AND A NO-TORQUE REACTION, SELF-REGULATING POWER OUTPUT OF 1,000 TO 13,000 LBS-FT TO OPEN ANY GATE IN < 8 SECONDS!

OIL CADDY & TOOL STORAGE UNIT

Tool Storage Container to hold drive fittings, drive extensions, swage kit and TOOL-LUBE oil.

ERGONOMIC CONTROLS

Ergonomically positioned, self-closing, speed control throttle; Positive on/off pivot wheel switch; Forward/Reverse air motor level arm.

DUAL AIR CYLINDERS

Heavy-Duty, smooth-lift type to enable thousands of rapid, lever controlled, raise/lower height adjustment cycles.

AIR-POWERED PIVOT WHEELS

2-position toggle switch allows oversized, flat-free, solid tires to manually pivot 90° to follow capstan movement on traveling gates.

1" FILTER / REGULATOR w/ GAUGE / LUBRICATOR w/ OIL

Reduce maintenance while guaranteeing critical wear components receive clean air, controlled PSI air pressure and regular lubrication.

GO-A8-FW

HOPPER CAR GATE OPENER



The **GO-A8-FW** is an air-powered Gate Opener on a wheeled-cart with fixed positions wheels, and manual height adjustment (accommodate varied-height capstans). The **GO-A8-FW** is the wise choice for worksites which experience:

- Railcars with gates that vary from easy-to-open to extremely difficult found on cars not well-maintained or regularly repaired;
- Railcars with fixed position gate mechanisms;
- Rough or uneven trackside terrain making Opener maneuverability an issue;
- Railcars with varied-height capstans / gate mechanisms;
- Busy unloading sites which require rapid opening/closing of railcar gates.

THE GO-A8-FW

FEATURES A CONTROLLABLE SPEED OF 100- TO 1,400-RPM, AND A NO-TORQUE REACTION, SELF-REGULATING POWER OUTPUT OF 1,000 TO 13,000 LBS-FT TO OPEN ANY GATE IN < 8 SECONDS!

ERGONOMIC CONTROLS

Ergonomically positioned, self-closing, speed control throttle; Positive on/off pivot wheel switch; Forward/Reverse air motor level arm.

1" FILTER / REGULATOR w/ GAUGE / LUBRICATOR w/ OIL

Reduce maintenance while guaranteeing critical wear components receive clean air, controlled PSI air pressure and regular lubrication in the correct amount; Shipped with 1-qt TOOL LUBE™ Air Tool Oil specifically formulated for lubricating impacts and other heavy-duty air tools.

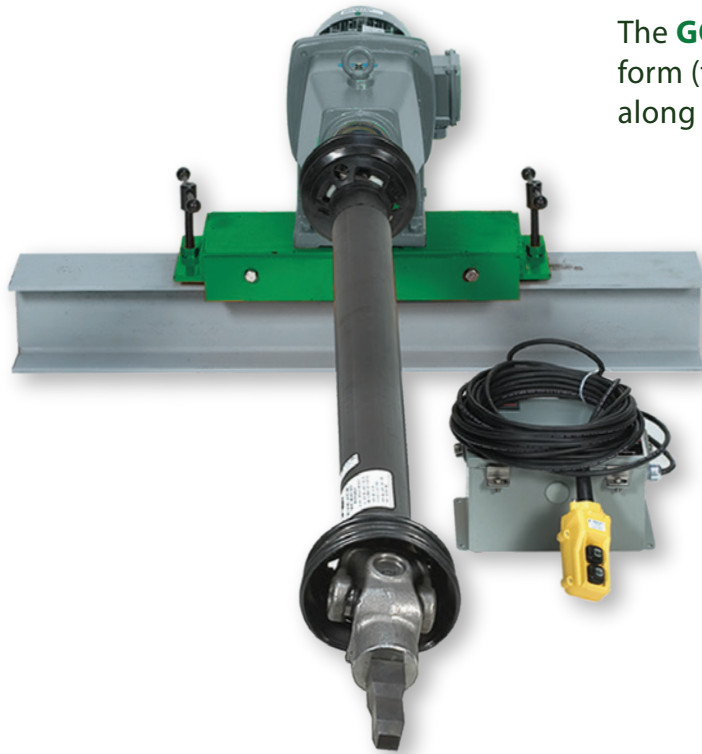
CAPSTAN DRIVE FITTING

Open hundreds of slide gates with this precision machined, 4140 tool steel, 1-piece drive fitting with 1-1/2" sq socket x 1-1/2" to 3/4" taper.

GO-E2

HOPPER CAR GATE OPENER

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The **GO-E2** is an electric-powered Gate Opener with a rotating platform (for a full 360° swivel) on a rolling carriage (to mount and slide along a secured-to-ground W-beam), utilizing pendant-controlled, instant Forward-Reverse action, and a telescoping drive shaft with both vertical and horizontal adjustment (to follow traveling gate and accommodate varied-height capstans). The **GO-E2** is well suited for worksites that experience:

- Railcars that vary from easy-to-open to moderately difficult because they are well maintained and regularly repaired;
- Railcars with either fixed position or traveling gate mechanisms;
- Limited or no compressed air supply;
- Railcars with varied height capstan/gate mechanisms;
- Rough or uneven trackside terrain making Opener maneuverability an issue.

THE GO-E2

THE GO-E2 USES A 5-HP MOTOR TO GENERATE A CONSTANT SPEED OF 34-RPM AND A POWER OUTPUT OF 2,000 LB-FT DURING SURGE AND 875 LBS-FT DURING OPERATION.

ROTATING PLATFORM ON ROLLING CARRIAGE

180° pivot enables opening hopper car gates on parallel tracks, and a 90° pivot enables safe, out-of-the-way drive shaft protection when not in use. The Rolling Carriage locates and locks-down the Opener directly opposite every gate, anywhere along the unloading site.

TELESCOPING DRIVESHAFT

Telescopes 40" to 82" (longer lengths available) and angles 50° vertical and horizontal to accommodate both traveling gate mechanisms and varied-height gates.

CAPSTAN DRIVE FITTING

Precision-machined, 4140 tool steel, 1-piece step-tapered drive tip 1-1/4" x 1-1/2" sq shank using HD set-screw retainer will last through hundreds of gate openings.

PENDANT CONTROL MOTOR STARTER

Pushbutton control up to 20' from railcar gate enables instantaneous forward/reverse jog of gear motor to rock open even stubborn gates.

GO-B3A

HOPPER CAR GATE OPENER



The **GO-B3A** is a battery-driven, torque-controlled, portable power tool that produces up to 3000 lbs-ft of torque to open hopper car gates that are easy to moderately-difficult to open. Although the Opener, at 35lbs, is compact and lightweight, because it is a torque wrench, it does require the use of an easy to attach torque reaction arm for safety. The GO-B3A is supplied with two (2) long lasting HD Lithium-Ion batteries which, if properly maintained, will open hundreds of hopper cars for years. The GO-B3A is ideal for:

- Unloading sites that receive occasional to light hopper car traffic;
- Railcars that vary from easy-to-open to moderately difficult;
- Neither compressed air nor electric power is available or is limited;
- Majority of railcars have fixed position gate mechanisms;
- Trackside surface is level, smooth, and unobstructed;
- Narrow decks or platforms preclude wheeled-cart or beam-mounted Opener;
- Site security requires portable, easy to remove and store

THE GO-B3A

THE GO-B3A GENERATES AN OPERATOR PACED MAXIMUM POWER OUTPUT OF 3,000 LBS-FT.

SMOOTH, CONTINUOUS FORCE

Facilitates steady, controlled gate opening without concern for wear of gate mechanism.

BATTERY POWERED

Operates at sites where air or electric power is not available.

QUICK CHARGE BATTERY

Lithium-Ion HD Battery fully charges in under 60 minutes

STURDY CARRYING BAG

Allows convenient storage of all components, and easy transport to/from the unloading site.

LIGHTWEIGHT PORTABILITY

Enables one worker to easily carry and position this 38.5 lb powerhouse in the gate's capstan, and thereby improve safety, increase productivity, and reduce costs.

GO-M3

HOPPER CAR GATE OPENER

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The **GO-M3** is a manual-powered, hand-portable, compact Gate Opener that rests on the ground when being used. The **GO-M3**, a heavy-duty torque multiplier, uses planetary gear action to enable an operator to simply turn a ratchet wrench to open gates. The **GO-M3** is well suited for worksites that experience:

- Railcars that vary from easy-to-open to moderately difficult because they are well maintained and regularly repaired;
- Compressed air or other power is not available or limited;
- Majority of railcars have fixed position gate mechanisms;
- Tracksides surface is level, smooth, and unobstructed; to provide the necessary support for the required torque reaction safety bar (Customer Supplied);
- Narrow decks or platforms that preclude wheeled-cart or beam-mounted Opener;
- Site security requires portable, easy removal and storage of tools and equipment.

THE GO-M3

THE GO-M3 GENERATES AN OPERATOR PACED-POWER OUTPUT OF 3,200 LBS-FT WITH ONLY 173 LB-FT OF INPUT POWER.

VERSATILE POWER INPUT

Allows the GO-M3 to accept either a manual ratchet wrench drive input tool or an air powered ratchet wrench drive input tool.

BUILT-IN ANTI-BACKLASH TORQUE HOLDING DEVICE

Enables the GO-M3 to maintain input torque when using a manual crank handle or air-powered ratchet wrench input tool.

CONTROLLED-SHEAR, EASY-TO-REPLACE OUTPUT SQUARE DRIVE

Protects against overloading the GO-M3 power train by shearing at 3-10% over the 3,200 lbs-ft rated capacity.

LOW INPUT TORQUE

Enables one worker to safely and easily generate the job-required torque with the GO-M3 kit's 1/2" drive ratchet wrench.

CAPSTAN DRIVE FITTING

Precision-machined, 4140 tool steel, 1-piece construction with 1" sq socket opens hundreds of gates.

GO-M04

HOPPER CAR GATE OPENER



The **GO-M04** is a manual-powered, hand-portable, compact Gate Opener that utilizes a 1-1/2" sq dr, extreme-duty, ratchet wrench to enable an operator to generate a no torque-reaction power output of 400 lb-ft with its standard 30" handle. The **GO-M04**'s ratchet mechanism can accept up to 5,000 lb-ft of input torque so the handle can be lengthened using a heavy walled 2" ID pipe to increase the **GO-M04**'s "breaker bar" power. Because the **GO-M04** uses a 4-sided, tapered drive fitting to turn the capstan, the dangerous slippage problem that occurs using a pry bar is eliminated. The GO-M04 is the ideal Gate Opener when budget is limited and railcar unloading is infrequent.

THE GO-M04

THE GO-M04 GENERATES AN OPERATOR-PACED POWER OUTPUT OF 400 LB-FT WHICH CAN BE INCREASED 10X WITH AN HD PIPE EXTENSION.

HEAVY-DUTY RATCHET

Heavy-Duty Ratchet capable of producing up to 5,000 lb-ft

CAPSTAN DRIVE FITTING

Precision-machined, 4140 tool steel, 1-piece construction with 1-1/2" sq socket using pin & ring retainer, opens hundreds of gates!

LIGHTWEIGHT PORTABILITY

Weighs less than 24 lbs

SIMPLE DESIGN

Simple Forward/Reverse Lever Switch

LOW INPUT TORQUE

30" Tapered handle allows easy mounting of extension handle for greater torque output

GO-A2

HOPPER CAR GATE OPENER

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The **GO-A2** is an air-powered, hand-portable, compact Gate Opener with hand-held controls for rapid Forward-Reverse action. The **GO-A2** can utilize its capstan drive fitting, or fit over the barrel of a worn capstan and utilize the capstan's socket notches to engage the gate.

The **GO-A2** is well suited for worksites that experience:

- Railcars that vary from easy-to-open to moderately difficult because they are well maintained and regularly repaired;
- Majority of railcars that have fixed position gate mechanisms;
- Track side surface is level, smooth, and unobstructed to provide the necessary support for the required torque reaction safety bar (Customer supplied);
- Narrow deck or platform precludes wheeled-cart or beam-mounted openers;
- Site security requires portable, easy removal and storage of tools and equipment.

THE GO-A2

GO-A2 GENERATES A CONSTANT SPEED OF 8-RPM, AND A POWER OUTPUT OF 2,000 LBS-FT.

HAND-HELD CONTROL VALVE

Enables operator to easily and safely open or close gate from up to 6' away.

HEAVY-DUTY DRIVE FITTING

Accommodates railcar capstans without external dog slots.

LIGHTWEIGHT PORTABILITY

Enables one worker to easily carry and position this 65-lb powerhouse.

HIGH-TENSILE ALUMINUM CAST HOUSING

Withstands the rugged use and operating conditions at unloading sites.

GATE OPENERS & ACCESSORIES

| | | | | |
|----------------------------|--|---|--|--|
| |  |  |  |  |
| | GO-A8-PW | GO-A3-PW | GO-A13-HA | GO-A8-FW |
| POWER | Pneumatic; 148 CFM @ 85 PSI (free); 114 CFM @ 85 PSI (impacting) | Pneumatic; 70 CFM @ 90-120 PSI | Pneumatic; 148 CFM @ 85 PSI (free); 114 CFM @ 85 PSI (impacting) | Pneumatic; 148 CFM @ 85 PSI (free); 114 CFM @ 85 PSI (impacting) |
| WORKING TORQUE | 1,000 - 13,000 lbs-ft; recoilless, self-regulating @1400-RPM | 2,700 lb-ft constant @ 8.5-RPM | 1,000 to 13,000 lbs-ft; recoilless, self-regulating @1400-RPM | 1,000 to 13,000 lbs-ft; recoilless, self-regulating @1400-RPM |
| WHEEL ASSEMBLY | 16" Dia with 4.80/4.00 - 8" Flat-Free, Solid Polyurethane Tires Ribbed Tread | 10.5" Dia with 4.10/ 3.50 - 4" Pneumatic Tubeless Tires, Sawtooth Tread | 16" Dia with 4.80/4.00 - 8" Flat-Free, Solid Polyurethane Tires, Ribbed Tread | 16" Dia with 4.80/4.00 - 8" Flat-Free, Solid Polyurethane Tires, Ribbed Tread |
| FRAME DIMENSIONS | 41"L x 42"W x 42"H | 36"D x 36"W x 46" H | 40"D x 42"W x 44"H | 50"L x 30"W x 42"H |
| HANDLE WIDTH | 28"W; Fitted with Handle Grips | 36"W; Fitted with Handle Grips | 29"; Fitted with Handle Grips | 28"W; Fitted with Handle Grips |
| HEIGHT ADJUSTMENT | Height Adjustable Forks: 10.5", 12.5", 14.5" Ground to Capstan | Height Adjustable: 7.5" to 19.75" Ground to Capstan | Pneumatic Height Adjustment: 10" to 24" Ground to Capstan | Height Adjustable Forks: 10.5", 12.5", 14.5" Ground to Capstan |
| INLET COUPLING | Universal Coupling (Chicago Type) w/ Safety Lock Pin | Universal Coupling (Chicago Type) w/ Safety Lock Pin | Universal Coupling (Chicago Type) w/ Safety Lock Pin | Universal Coupling (Chicago Type) w/ Safety Lock Pin |
| TOOL CONTAINER | 5"L x 12"W x 6"D | ---- | 5"L x 12"W x 6"D | ---- |
| LUBRICATOR CAPACITY | 16 oz Adjustable Flow | 4.5 oz | 16 oz | 16 oz |
| FINISH COATING | Baked-On Powder Coat | Acrylic Enamel Coat Finish | Baked-On Powder Coat | Baked-On Powder Coat |
| INCLUDED | (1) 1" FRL Assembly; (1) Drive Fitting w/ Pin & Ring Retainer; (1) Qt TOOL LUBE™ Air Tool Oil; (1) Operating Video; (1) Manual | (1) 1" FRL Assembly; w/ Gauge, Lubricator Trio-Control; (1) Drive Fitting; (1) Qt TOOL LUBE™ Air Tool Oil; (1) Manual | (1) 1" FRL Assembly; (1) Drive Fitting w/ Pin & Ring Retainer; (1) Qt TOOL LUBE™ Air Tool Oil; (1) Operating Video; (1) Manual | (1) 1/2" FRL Assembly; (1) Drive Fitting w/ Pin & Ring Retainer; (1) Qt TOOL LUBE™ Air Tool Oil; (1) Operating Video; (1) Manual |
| GATE OPENER WEIGHT | 306 lbs | 285 lbs | 379 lbs | 246 lbs |
| SHIPPING WEIGHT | 530 lbs | 465 lbs | 520 lbs | 405 lbs |

GATE OPENERS & ACCESSORIES

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|--|---|---|---|---|
| GO-B3A | GO-E2 | GO-M3 | GO-M04 | GO-A2 |
| HD Li-Ion Battery | Electric; 230 / 460 VAC / 60 Hz | Manual; Input Torque | Manual; Ratchet Wrench | Pneumatic; 70 CFM @ 90-120 PSI |
| 3,000 lbs-ft @ 2.25-RPM used w/ Reaction Bar | 2,000 lb-ft @ 34-RPM | 3,200 lb-ft output @ 173 lb-ft input used w/ Reaction Bar | 400 lb-ft w/30" Lever; Torque can be increased w/ Reaction Bar | 2,000 lb-ft constant @ 8.0-RPM |
| ---- | ---- | ---- | ---- | ---- |
| 3"W x 22.5"L x 25.5"H (w/ Drive Fitting & Reaction Arm) | Motor: 24"W x 26"L x 13"H; TDS*: 48" compressed to 80.5" extended | 14"L x 19.6"H (w/ Drive Fitting & Reaction Bar) | 30"L x 3.75"W x 1.38"D | 22"L x 11.5"W x 19"H (w/Drive Fitting) |
| ---- | ---- | ---- | ---- | Cast-In D-Handle, 5"W x 1"H |
| Lift-on portability to accommodate any Capstan height | TDS* L 50° V and H to accommodate varied-height gates. | Lift-on portability to accommodate any Capstan height | Lift-on portability to accommodate any Capstan height | Lift-on portability to accommodate any Capstan height |
| ---- | ---- | ---- | ---- | Swivel Fitting, 3/8" NPT |
| ---- | ---- | ---- | ---- | ---- |
| ---- | ---- | ---- | ---- | ---- |
| Black Oxide | Acrylic Enamel Coat | Acrylic Enamel Coat Finish | Black Oxide | Acrylic Enamel Coat Finish |
| (1) Drive Fitting w/ Pin & Ring Retainer; (1) Torque Reaction Arm w/ shoulder bolt (1) 1/8" Hex Key; (2) Batteries; (1) Battery Charger; (1) HD Carrying Bag; (1) Manual | (1) Drive Fitting; (1) Manual | (1) Drive Fitting w/ Pin & Ring Retainer; (1) Ratchet Wrench (1/2" Sq Dr); (1) 1" Sq Dr Spare Anvil; (1) 3/32" Allen Wrench; (1) HD Carrying Bag; (1) Manual | (1) Drive Fitting w/ Pin & Ring Retainer; (1) HD Carrying Case; (1) Manual | (1) Drive Fitting; (1) Manual |
| 35.05 lbs | Motor: 150 lbs; TDS*: 68 lbs; | 18.3 lbs | 21 lbs | 65 lbs |
| 40 lbs | 290 lbs | 34 lbs | 34 lbs | 80 lbs |

*TDS = Telescoping Drive Shaft



DRIVE FITTINGS

If you're serious about opening and unloading railcars, your Gate Opener — regardless of make or model — needs a serious **DRIVE FITTING**. WORKMASTER's tapered, 1-piece Drive Fitting is designed to fit every railcar capstan with full contact on all sides. With a forged core and precision machined sides, tapered from a 1" square to a 1-1/4" square tip, WORKMASTER's 1-piece Drive Fitting will become your Gate Opener's best friend!



| PART # | SIZE | GATE OPENER MODEL |
|----------|-------------------------|--------------------------------|
| 33-10001 | 1-1/4" MSQ x 6-1/2" OAL | GO-E2 |
| 33-01210 | 1" FSQ x 8-3/8" OAL | GO-B3A & M3 |
| 33-01410 | 1-1/2" FSQ x 10" OAL | GO-A8-PW, A8-FW, A13-HA, & M04 |
| 33-01424 | 1-1/2" x 24" OAL | GO-A8-PW, A8-FW, A13-HA, & M04 |
| 33-01430 | 1-1/2" x 30" OAL | GO-A8-PW, A8-FW, A13-HA, & M04 |

DRIVE FITTING EXTENSIONS

Unmovable obstacles and/or unloading site gaps can make getting your Gate Opener close to the railcar's capstan nearly impossible! WORKMASTER's heavy-duty, 12" and 20" **DRIVE FITTING EXTENSIONS** make the impossible — possible. Each Extension is designed to not only extend your Gate Opener's reach, but to do so with minimal torque loss. Their precision-machined, impact resistant, hardened steel construction makes them the ideal Gate Opener accessory. Drive Extensions in 12" and 20" let you adapt to virtually any railcar. All sizes feature easy-on/easy-off O-Ring Pin Retainer design.



| PART # | DESC. |
|----------|--|
| 33-10012 | Anvil Extension – 12" L, 1-1/2" Sq-F x 1-1/2" Sq-M; w/(1) Retaining Pin & O-Ring |
| 33-10020 | Anvil Extension – 20" L, 1-1/2" Sq-F x 1-1/2" Sq-M; w/(1) Retaining Pin & O-Ring |

GATE OPENERS & ACCESSORIES

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UNIVERSAL JOINT

Covered Hopper Cars come in a variety of shapes and sizes, and the height of a capstan and the surrounding terrain can vary just as much. WORKMASTER's Heavy-Duty **UNIVERSAL JOINT** can help overcome these height variances by positioning your Drive Fitting directly in-line with the center of the gate's capstan. Correct alignment with the capstan is critical to the longevity of your Gate Opener, and will ensure the solid in-line entry of the Drive Fitting on even the steepest of railroad slopes.

- Universal Joint; 1-1/2" Sq-F X 1-1/2" Sq-M; w/(1) Retaining Pin & O-ring

PART #

33-10090



CAPSTAN REPAIR

CAPSTAN RENEW ATTACHMENT

Opening hopper car slide gates with a completely worn Capstan Barrel can be a problem. When the Barrel's female square is rounded-off, it resists any effort to get a grip with a Gate Opener Drive Fitting. Busy unloading sites have no time to change-out the Barrel or, even worse, shunt the hopper car to a siding for repair. WORKMASTER has a solution for the problem – the Capstan Renew Attachment.

PART #

80-10728

CAPSTAN SWAGE KIT

For Hopper Car Capstan Barrels that are worn but salvageable, we offer a Capstan Swage Kit. This Kit enables a user to square-up a worn female socket with just a few hits of a hand-held, 4140-steel Swage Tool with our no rebound Dead-blow Hammer. Regular use of the Swage Kit reduces wear on the Opener's Drive Fitting and improves Torque Transfer.

- Inc (1) #4140 Steel Swage Tool & (1) HD Dead-Blow Hammer

PART #

33-11120



AIR RECEIVER TANKS

Does your unloading site equipment suffer from insufficient air pressure (PSI) or air volume (CFM)? If you can't efficiently and effectively operate your Hopper Car Gate Opener, Railcar Vibrator or Hopper Car Connector, a new or larger air compressor doesn't have to be the answer. A WORKMASTER **AIR RECEIVER TANK** is the cost-effective method to store and deliver the additional compressed air volume and air pressure your unloading site requires at a fraction of the cost of a compressor. All receiver Tanks are built in accordance with the ASME Section VIII Division I Code latest edition. Each Tank is supplied with an automatic drain valve, pressure gauge and safety relief valve, making WORKMASTER Air Receiver Tanks the cost effective solution to any unloading site air system problem.

HORIZONTAL AIR RECEIVER TANKS & ACCESSORY KITS

| SIZE (GAL) | DIMENSIONS (L x W x H) | TANK PART # | ACCESSORY KIT PART # |
|------------|------------------------|-------------|----------------------|
| 30 | 38" x 16" x 18" | 31-32202 | 31-32601 |
| 60 | 48" x 20" x 22" | 31-32203 | 31-32601 |
| 80 | 63" x 20" x 22" | 31-32204 | 31-32602 |
| 120 | 68" x 24" x 26" | 31-32225 | 31-32603 |
| 240 | 84" x 30" x 33" | 31-32227 | 31-32604 |

VERTICAL AIR RECEIVER TANKS & ACCESSORY KITS

| SIZE (GAL) | DIMENSIONS (L x W x H) | TANK PART # | ACCESSORY KIT PART # |
|------------|------------------------|-------------|----------------------|
| 30 | 38" x 16" x 18" | 31-32210 | 31-32601 |
| 60 | 48" x 20" x 22" | 31-32211 | 31-32601 |
| 80 | 63" x 20" x 22" | 31-32212 | 31-32602 |
| 120 | 68" x 24" x 26" | 31-32213 | 31-32603 |
| 240 | 84" x 30" x 33" | 31-32215 | 31-32604 |



Horizontal Tanks



Vertical Tanks

GATE OPENERS & ACCESSORIES

WORKMASTER
WE FIND A WAY — OR MAKE ONE!



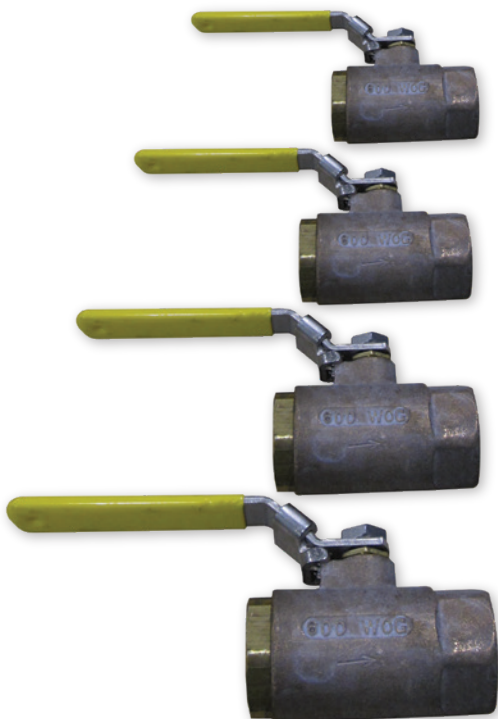
PROTECTIVE COVER

Rain, snow, and plant debris can really do a number on your Hopper Car Gate Opener. But with WORKMASTER's water-proof, puncture-resistant **PROTECTIVE COVER**, you can keep your Gate Opener working and looking like new. The Cover's tapered fit shelters your Gate Opener from the elements while maintaining the unit's mobility. Protect your Gate Opener from rust, dents, corrosion, and dirt with WORKMASTER's Protective Cover.

Available for GO-A8-PW, GO-A8-FW, GO-A3-PW, and GO-A13-HA Hopper Car Gate Openers.

PART #

30-20020



BALL VALVES

Ball Valves are an integral part of an unloading site's air system; unfortunately, they're often overlooked. When strategically placed, WORKMASTER's Brass Lockable **BALL VALVES** can give you greater, more convenient control over your Gate Opener and Vibrator's Air Supply. In addition to giving you instant shut-off capability, the correct Ball Valve can give your Vibrator the instant rush of air flow needed to begin vibration. In the closed position, each Valve vents downstream air in accordance with new OSHA Regulations for pneumatic systems. Female x Female Standard Port; Rated to 600-PSI WOG.

PART #

SIZE

81-10002

3/8"

81-10003

1/2"

PART #

SIZE

81-10004

3/4"

81-10005

1"

ELIMINIZER AIR FILTER/DRYER WITH STAND



Stop water and dirt from entering your Hopper Car Gate Opener or Railcar Vibrator with WORKMASTER's **ELIMINIZER POINT-OF-USE AIR DRYER**. This unique airline accessory incorporates patented inverse flow technology and is engineered specifically to remove condensed liquids and dirt from the air lines feeding your Railcar Gate Opener, Hopper Car Air Vibrator or Hopper Car Connector. This Air Filter/Dryer Assembly not only prevents airline dirt and moisture from damaging any pneumatic equipment but also prevents lubrication washout, thereby protecting against rust and excessive wear to internal parts.

- 1" NPT Inlet (flows up to 150-SCFM)
- Stainless Steel Element and Cotton
- ELIMINIZER Dryer/ Filter w/Stand
- Metal Bowl w/ DP Indicator
- Rugged Metal Bowl
- Automatic Drain Cartridge
- 1" NPT In/Out
- Auto float Drain; 150 Max

PART #

82-10424

FRL ASSEMBLY WITH CARRIER



If your Hopper Car Gate Opener is not designed with an In-Line Lubricator, WORKMASTER's **FRL ASSEMBLY** is ideal. The Assembly provides the utmost in tool protection by Filtering, Regulating, and Lubricating your Gate Opener's air supply. Weighing only 23-lbs, the FRL Assembly is housed in a rugged frame which can be easily transported to and from the unloading site. Continuous use of this FRL Assembly will keep any air-operated railcar Gate Opener or other pneumatic tools and equipment operating efficiently, will extend its life, and will conserve plant air.

- Universal Fittings
- 40-Micron Filter
- FRL Assembly w/Carrier
- 29 oz Metal Bowl
- 2" Dia Gauge; 0 -160 PSI
- 16-oz Metal Reservoir Bowl
- 1" In/Out Ports w/ Universal Couplings
- 40 uF Element; 250 Max SCFM

PART #

82-10330

IN-LINE LUBRICATOR



Designed for the intermittent start/stop operation of Hopper Car Gate Openers and Vibrators, and factory-set to deliver just the right amount of air tool oil, WORKMASTER's **IN-LINE LUBRICATOR** is the preferred way to supply the lubrication your air-powered equipment demands. Don't allow your Gate Opener or Vibrators to run dry, keep them well-oiled and long-running with WORKMASTER's In-Line Lubricator.

- 1" NPT Threaded Ports (Female)
- 16-oz Metal Reservoir Bowl

PART #

82-40004

TOOL-LUBE™ AIR TOOL OIL



Keep your Gate Opener running longer — up to three times longer — cleaner, with less downtime and greater power by using WORKMASTER's **TOOL-LUBE AIR TOOL OIL**. Special emulsifiers allow this unique oil to absorb 10% of its weight in water preventing the formation of rust, gum, and sludge. With regular use of WORKMASTER's TOOL-LUBE, you can expect your pneumatic Gate Opener to operate with greater performance, consistency, and reduced noise levels.

| PART # | DESC. |
|----------|-----------------|
| 36-21010 | 1 Qt |
| 36-21014 | 1 Case (12 Qts) |



VIBRA-LUBE™ VIBRATOR OIL

The internal parts of Pneumatic Rotary and Piston Type Vibrators are subject to severe stress. These parts require a special type of lubrication. WORKMASTER's **VIBRA-LUBE VIBRATOR OIL** is uniquely formulated to coat and protect a vibrator's inner lining and moving parts. With regular use, VIBRA-LUBE can add years of service to the life of your vibrator as well as reduce noise levels and increase air efficiency and power. For a pneumatic vibrator, there is no substitute.

| PART # | DESC. |
|----------|-----------------|
| 36-21020 | 1 Qt |
| 36-21024 | 1 Case (12 Qts) |



PIN & RING CONNECTOR

If your unloading site sees a variety of railcars and you're constantly changing the accessories on your Gate Opener, you'll need WORKMASTER's **PIN & RING CONNECTOR** to help keep the job moving. The Pin is hardened steel; the Ring is nick-resistant rubber, together they make changing from your 12" Extension to your Universal Joint, to your 20" Extension quick and easy. WORKMASTER's Pin & Ring Connectors are also OSHA-approved because there are no protruding ends that can damage property or injure workers.

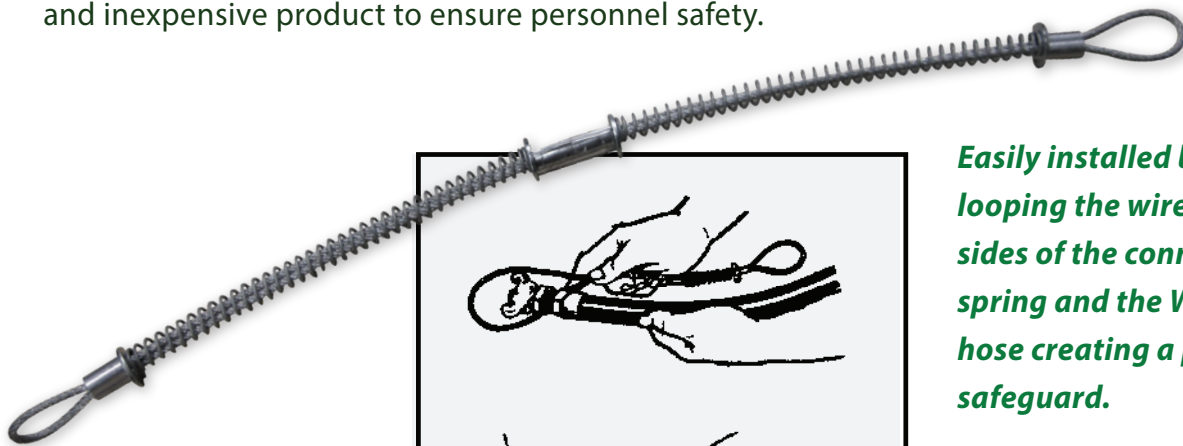
| PART # | DESC. |
|----------|-------|
| 32-50124 | PIN |
| 32-50000 | RING |

GATE OPENERS & ACCESSORIES

WORKMASTER®
WE FIND A WAY — OR MAKE ONE!

WHIPCHECK SAFETY CABLE

WORKMASTER's **WHIPCHECK SAFETY CABLE** is a safe, positive, economical solution to the problem of injuries caused by broken air hose connections. Easily installed and removed without the use of tools, this simple device is also highly resistant to rust and corrosion. Since it is always attached to the hose, it cannot be lost, and proper installation can be easily verified — even at a distance. The WHIPCHECK is an effective and inexpensive product to ensure personnel safety.



PART #

74-10010

Easily installed by depressing spring and looping the wire over the hose on both sides of the connection. Release the spring and the Whipcheck locks onto the hose creating a permanent, dependable safeguard.

Recommended by:

OSHA, BUREAU OF MINES,
BUREAU OF RECLAMATION
US ARMY CORPS OF ENGINEERS



RET-RING CONNECTOR

WORKMASTER's 1-1/2" **RET-RING CONNECTOR** secures your Drive Fitting to your Gate Opener, Extension, or Universal Joint. One-piece, molded of durable polyurethane, with a steel insert for added safety, the Ret-Ring Connector makes changing accessories quick and easy. Its bright blue color makes it easy to spot if dropped or misplaced and its enclosed design is OSHA approved for all Gate Opener and rotating tool applications.

PART #

32-50001

AIR HOSE ASSEMBLIES



Railcar Gate Openers and Pocket Vibrators are designed to create an efficient and safe work environment. WORKMASTER's 1/2", 3/4", and 1" Heavy-Duty **AIR HOSE ASSEMBLIES** come in a range of lengths to keep your Gate Openers and Vibrators operating safely and efficiently at any distance. Each assembly is made from 200-PSI, nick-resistant, red rubber hose complete with universal fittings at each end. Don't allow worn or collapsed, cut or damaged, ready-to-burst air hoses turn your unloading station into an accident waiting to happen. Replace worn and/or damaged hose lengths with WORKMASTER's Heavy-Duty Air Hose Assemblies.

| BEST FOR | DIAMETER | LENGTH | PART # |
|--------------|----------|--------|-------------|
| Gate Openers | 1" | 10 ft | 83-09078-09 |
| | | 15 ft | 83-09118-09 |
| | | 25 ft | 83-09134-09 |
| | | 50 ft | 83-09174-09 |
| Vibrators | 3/4" | 10 ft | 83-09077-09 |
| | | 15 ft | 83-09117-09 |
| | | 25 ft | 83-09133-09 |
| | | 50 ft | 83-09173-09 |
| Vibrators | 1/2" | 10 ft | 83-09076-09 |
| | | 15 ft | 83-09116-09 |
| | | 25 ft | 83-09132-09 |
| | | 50 ft | 83-09172-09 |

RAILCAR VIBRATORS & ACCESSORIES

WORKMASTER
WE FIND A WAY — OR MAKE ONE!

With **8 models** of **Hopper Car Vibrators**, which range in speed from **2,000 Vibrations Per Minute (VPM)** to **15,000 VPM**, and range in power from **1,000 Force-Lbs.** to **14,000 Force-Lbs.**, we've got the Vibrator needed to empty your railcars in record time no matter what material is being unloaded.



CAR-ROCKER™
Dual Roller
Pocket Vibrators



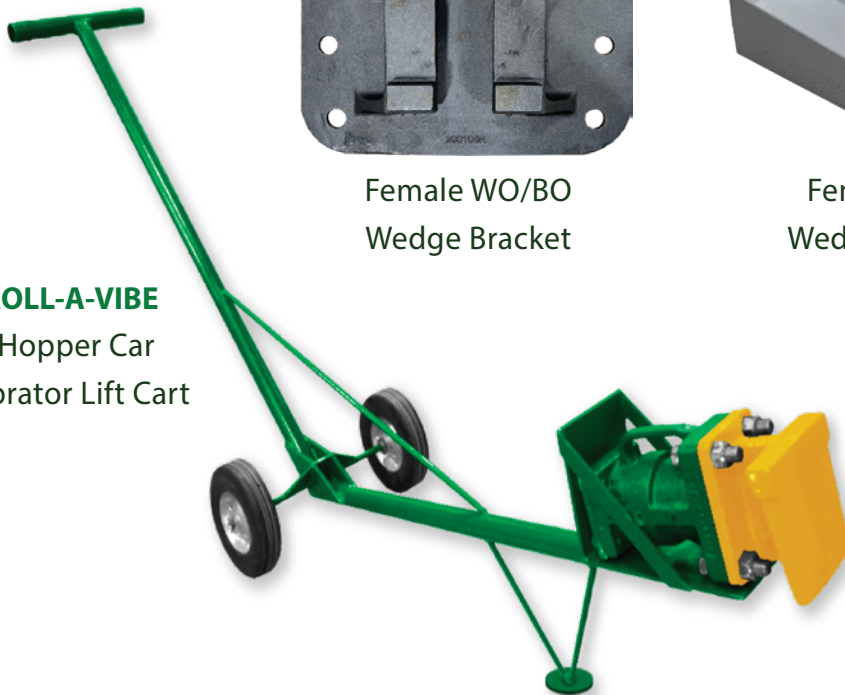
CAR-ROCKER™
Turbine Pocket
Vibrator



RAIL-SHAKER™
Hopper Car
Pocket Vibrator



BRUTE®
Hopper Car
Vibrators



ROLL-A-VIBE
Hopper Car
Vibrator Lift Cart



Female WO/BO
Wedge Bracket



Female W/O
Wedge Bracket



Male Wedge
Cradle Lug Bracket

***Cradle Head
Options for
any Vibrator!***

WORKMASTER®

WE FIND A WAY — OR MAKE ONE!

WORKMASTER specializes in manufacturing labor-saving bulk material handling tools designed to facilitate the safe and efficient unloading, transport, storage, and processing of bulk solids. Catering to the needs of the agriculture, manufacturing, mining, and concrete construction sectors, **WORKMASTER** provides a distinctive line of bulk solids handling equipment. Our innovative products empower plant workers to safely accomplish tasks effortlessly and swiftly such as opening and unloading hopper bottom railcars and dry bulk trailers, ensuring the smooth flow of material from bins and silos, and improving the consolidation and finishing of freshly poured concrete through form, table, and surface vibration techniques. Our products play a pivotal role in enhancing safety and efficiency for our customers, while also extending the lifespan of critical production equipment. By reducing operating and maintenance costs, our tools prove invaluable for tackling some of the industry's most hazardous, challenging, and demanding tasks.



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