

GATE OPENER

Application Data Sheet

1 of 4

WORKMASTER®
WE FIND A WAY — OR MAKE ONE!



PRINT



SUBMIT

I. CUSTOMER INFORMATION

Company: _____

Date: _____

Contact: _____

Ph: _____

Title: _____

Ext: _____

Address: _____

E-m: _____

City, St, Zip: _____

Fax: _____

Determining the most appropriate **Gate Opener** for an unloading site requires **Complete** and **Accurate Data**. We want our Gate Opener to be one of our Customer's **Best Buys – Ever!**

II. RAILCAR and PRODUCT

1. What product(s) is unloaded: _____

2. Railcars discharge into/onto:

☐ Screw Conveyor☐ Pneumatic Conveyor☐ Truck☐ Belt Conveyor☐ Vibrating Conveyor☐ Other _____☐ Bin or Hopper☐ Drag Conveyor

3. How many Railcars unloaded: DAILY _____; WEEKLY _____; MONTHLY _____

4. Do Railcars use Rack & Pinion type Slide Gates?

☐ **YES, if so:** How are Gates opened?:☐ **NO, if so:** Explain discharge method:☐ Pry Bar☐ Come-A-Long☐ Pneumatic (hose)☐ Power Tool☐ Ratchet Wrench☐ Gravity Swing Gate☐ Torque Wrench☐ Jack☐ Other _____☐ Other _____

5. What percentage of Railcar Slide Gates are:

FIXED Type: _____%

TRAVEL Type: _____%

OTHER: _____%

Please explain OTHER: _____

6. Describe the most common problems or difficulties opening Slide Gates:

☐ Jammed - Product☐ Speed of Opening☐ Site Related Difficulties☐ Jammed - Poor Gate Condition☐ Other: _____

7. Do weather conditions or temperature affect opening/closing the Gate?

☐ **YES, if so:** Heat: _____°F Cold: _____°F☐ **NO, not affected by weather**☐ Humidity Related☐ Ice/Snow Related☐ Rain Related

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II. RAILCAR and PRODUCT

8. Which Hopper Car Discharge configuration is most common at your Site:

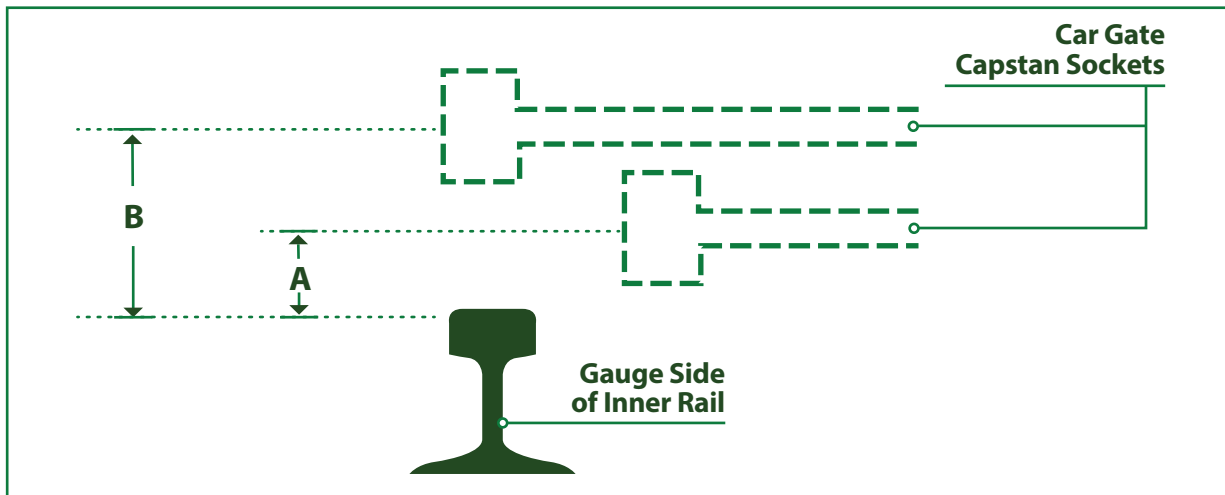
- | | | |
|--|--|--|
| ☐ 2 Hopper Model | ☐ 3 Hopper Model | ☐ Other: _____ |
| ☐ 1 Single Pocket w/
☐ Capstan 1 side only
☐ Capstan both sides | ☐ 1 Double Pocket w/
☐ Capstan 1 side only
☐ Capstan both sides | ☐ 2 Single Pockets
(Capstan Sockets each side) |

9. Is top of Rail: (a) ☐ Above; (b) ☐ Below; (c) ☐ Even w/Grade If (a) or (b): Height _____"

10. Gate Capstan Sockets on Hopper Cars can vary in height from top of Rail. Based on DIAGRAM #1 (below), in relation to top of Rail, what is the height (") to the center of:

- | | |
|---|---------------------------------------|
| ☐ YES, heights vary: | ☐ NO, all are: |
| A. Lower Capstan Socket: _____" | Height: _____" |
| B. Higher Capstan Socket: _____" | |

DIAGRAM #1



II. SITE: CONDITIONS and DIMENSIONS

1. Is Unloading Site enclosed? ☐ YES, if so: ☐ Partial ☐ Full ☐ NO, not enclosed

2. Describe the walkway conditions at the Unloading Site:

- | | | | |
|--------------------------------|------------------------------------|---------------------------------------|--------------------------------|
| ☐ Dirt | ☐ Aggregate | ☐ Packed | ☐ Paved |
| ☐ Level | ☐ Loose | ☐ Uneven/Bumpy | ☐ Rough |

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II. SITE: CONDITIONS and DIMENSIONS

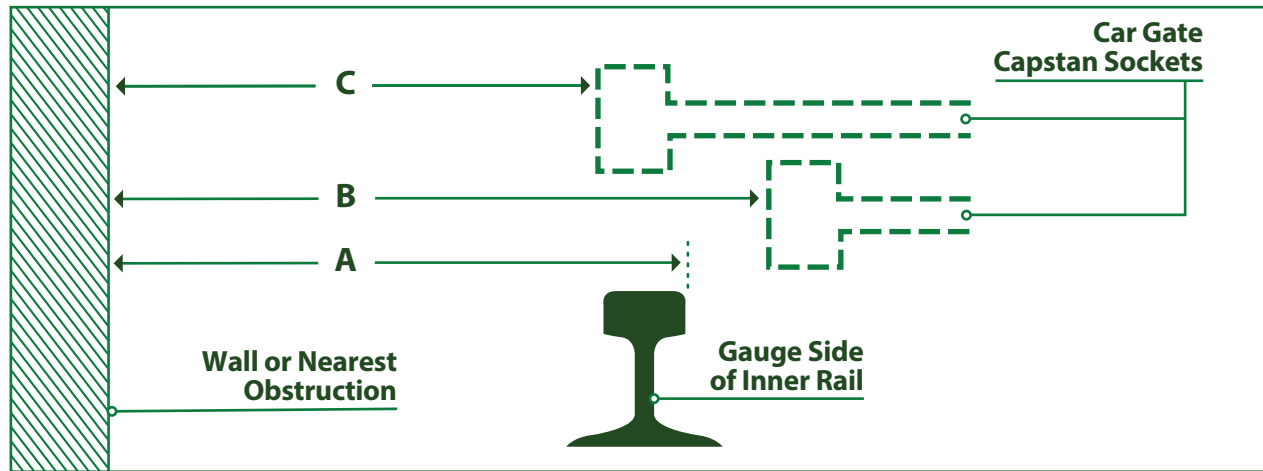
3. Is there a Storage Shed at Site? ☐ YES ☐ NO

4. Based on DIAGRAM #2 (below), what are dimensions (") of:

A: _____"; B: _____"; C: _____"

☐ NO WALL OR OBSTRUCTIONS

DIAGRAM #2



III. SITE: POWER SOURCES

1. Compressed Air Utility?

☐ YES, if so:

Horse Power Rating: _____ Hp

Compressor Outlet: _____ Inches (")

Operating Pressure: _____ PSI at Site

Operating Air Volume: _____ CFM at Site

If PSI or CFM is insufficient, will install a Receiver Tank? ☐ YES ☐ NO

Do you filter & lubricate the compressed air at the Site? ☐ YES ☐ NO

☐ NO, Compressed Air N/A but:

Will install a Receiver Tank?

☐ YES ☐ NO

Will install a Compressor?

☐ YES ☐ NO

2. Electric Utility?

☐ YES, if so:

_____ VAC _____ PH _____ AMPS

Does the site require explosion-proof motors and controls?

☐ NO

☐ YES

☐ NO

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IV. FINAL CONSIDERATIONS

Based on the quantity of Railcars you receive, the condition of the cars, and the layout of your Unloading Site, please provide the following information on your Gate Opener (GO) Requirements:

1. On a scale of 5 (most) to 1 (least) how important is:

Safety:	☐ 5	☐ 4	☐ 3	☐ 2	☐ 1
GO Speed:	☐ 5	☐ 4	☐ 3	☐ 2	☐ 1
GO Power:	☐ 5	☐ 4	☐ 3	☐ 2	☐ 1
GO Automation:	☐ 5	☐ 4	☐ 3	☐ 2	☐ 1
The Budget:	☐ 5	☐ 4	☐ 3	☐ 2	☐ 1

2. Do you use a Vibrator to prompt or maintain product flow from Railcar?

☐ YES, if so:

☐ Air Piston Type

☐ Air Dual Roller Type

☐ Make: _____

☐ Air Turbine Type

☐ Rotary Electric

☐ No, if so:

☐ Never Necessary

☐ Could Use Occasionally

☐ Could Use Frequently

3. During unloading is air pollution (eg, dust), or product contamination a problem?

☐ YES

☐ NO, because:

☐ Not a Problem

☐ Use Sock, Boot or Flexible Connector to Undertrack System;

Type: _____

Other Information about your problem or Unloading Site you think we should be aware of:
