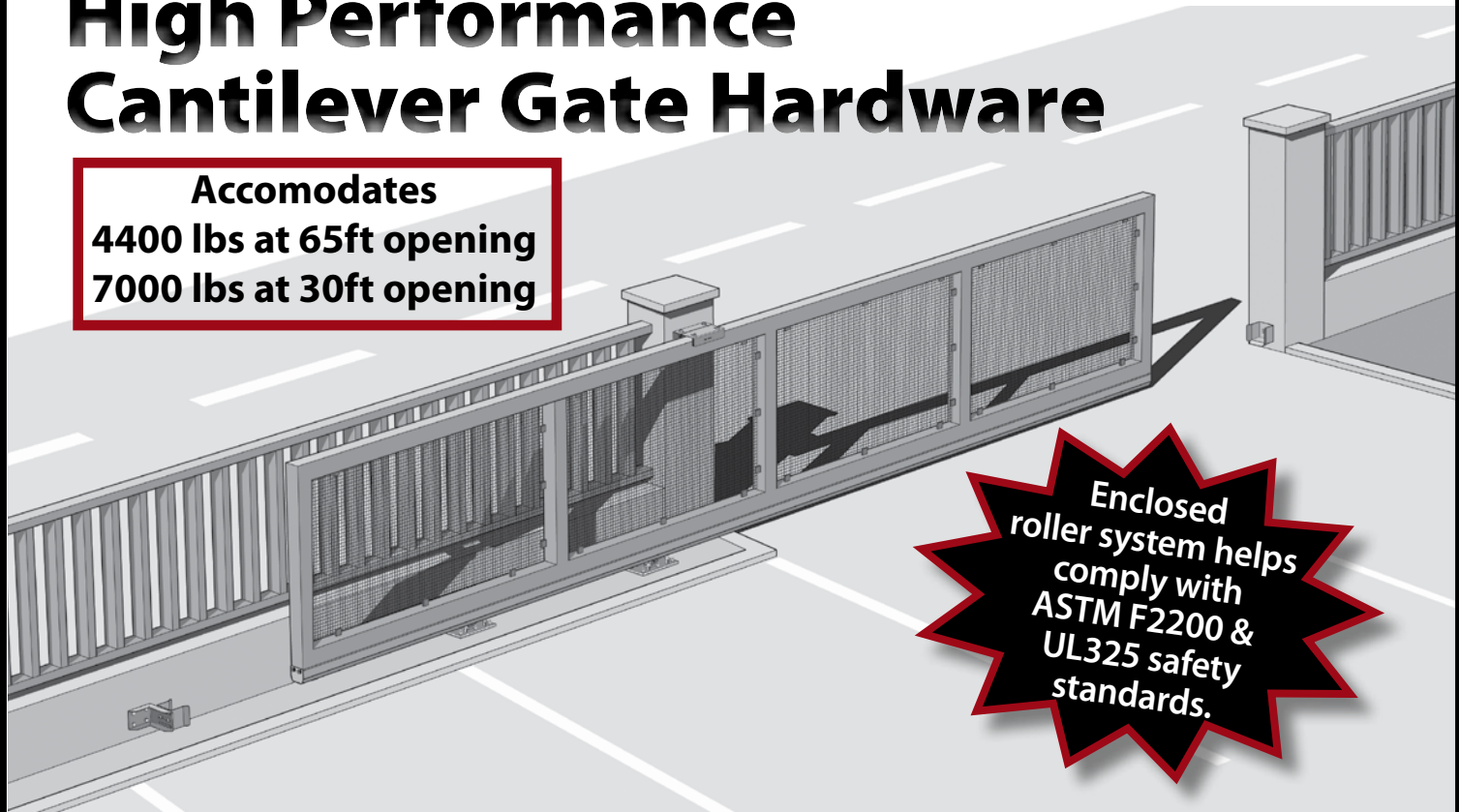


High Performance Cantilever Gate Hardware

Accommodates
4400 lbs at 65ft opening
7000 lbs at 30ft opening



Enclosed
roller system helps
comply with
ASTM F2200 &
UL325 safety
standards.

DuraGates Web Configurator Manual

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Manufactured by



**ARCHITECTURAL
IRON DESIGNS, INC.**

950 SOUTH 2ND ST. + PLAINFIELD, NJ 07063
T: 800.784.7444 + T: 908.757.2323 + F: 908.757.3439

INFO@DURAGATES.COM
DURAGATES.COM

Creating a new user account

REGISTER

Fill in the information requested below is necessary to create a new user profile. This will be activated once the entered data has been checked by Fratelli Comunello S.p.A.. Confirmation of account activation will be sent to the email address specified during registration. Thank You!

USER CREDENTIALS

Email	<input type="text"/>
Password	<input type="password"/>
Confirm Password	<input type="password"/>

After entering your email address and creating a password, you will need the following to complete your registration. You will receive an email from Comunello, in Italy, in a few days confirming your account has been set up and is ready to use.

Company Information

Company Name
VAT No (Tax ID or Fake No.)
First Name
Last Name
Address
City
State
Zip
Country

Contact Information

Phone Number
Cell Number
Tax ID or Fake No.

Settings

Language Select from several
Measurement Unit Choose Metric or Imperial

Communication Preferences

Newsletter Opt In or Out
Property Click to accept terms
Privacy Click to accept

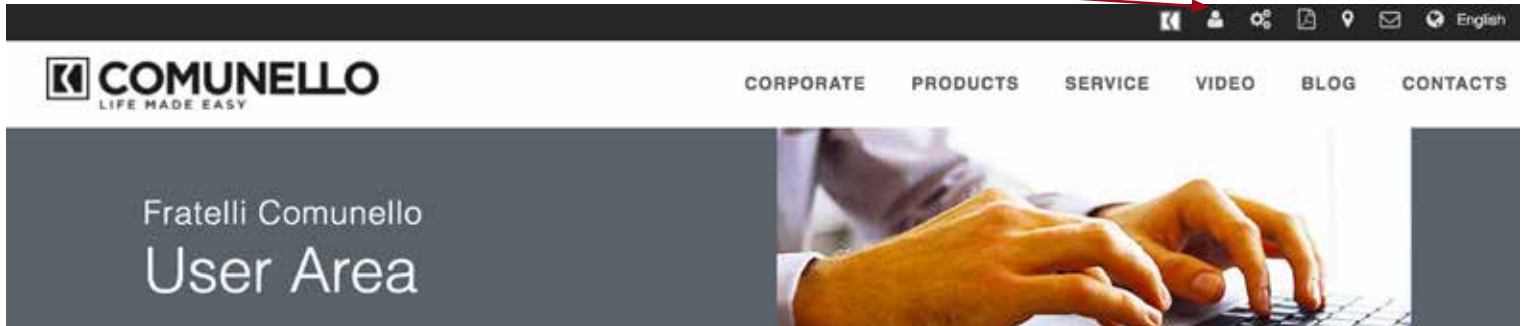
Click the Register Button to complete the process

Logging in to the Configurator

In a web browser, go to: <https://www.comunello.com/user>



Log in by selecting the "Person Icon" at the top of the page



Enter your personal Comunello Access Keys to log-in the Customers Area

Email

Password

Enter your email address
Enter your password
Select Accedi to Login

When the login completes, the User Area page will load. Select the CONFIGURATORS tab
Select "Gate Cantilever" to open the configurator






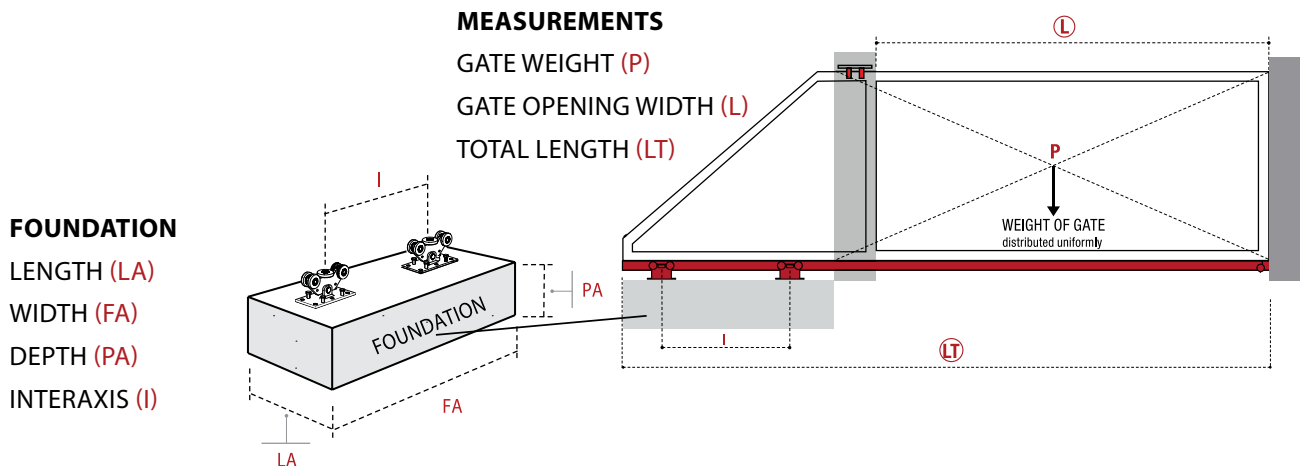
Company: _____ Contact: _____ Phone: _____

Email: _____ Job Name: _____

DuraGates cantilever hardware is an application specific engineered product. Each gate application should be configured based on the opening width of the gate (L) and the weight (P) “over the opening” to determine the total gate length (LT), carriage spacing (I), and the concrete foundation dimensions.

Please provide the following information for an application specific configuration, parts list, and pricing.

<p>1 MATERIAL OF THE GATE (OR FRAME)</p> <p><input type="checkbox"/> Steel <input type="checkbox"/> Wood</p> <p><input type="checkbox"/> Aluminum <input type="checkbox"/> PVC</p> <p><input type="checkbox"/> Chain Link</p> <p><input type="checkbox"/> Stainless Steel</p>	<p>DURAGATES TRACK MATERIAL REQUIRED</p> <p><input type="checkbox"/> Galvanized Steel</p> <p><input type="checkbox"/> Aluminum</p> <p><input type="checkbox"/> Stainless Steel</p> 	<p>GATE FRAME SIZE</p> <p><input type="checkbox"/> 1-1/2" <input type="checkbox"/> Square</p> <p><input type="checkbox"/> 2" <input type="checkbox"/> Round</p> <p><input type="checkbox"/> 2-1/2"</p> <p><input type="checkbox"/> Other _____</p>
<p>2 OPENING WIDTH Typically the post to post measurement L = _____ ft. / in.</p>		
<p>3 WEIGHT OF THE GATE “over the opening” If the weight is given for the full gate, specify the assumed gate length and label it as full gate weight</p> <p>P = _____ lbs.</p> <p>Full gate weight _____ lbs.</p> <p>Assumed gate length _____ ft. / in.</p>		
<p>4 OPTIMIZE FOR MINIMUM TAIL LENGTH OR COST?</p> <p>✦ Often two or more models will carry the load, so knowing which is more important for the application guides us to the best result.</p> <p>✦ Space available in “Open” position. _____ ft. / in.</p>		<p>OPTIMIZE FOR:</p> <p><input type="checkbox"/> Minimum tail length</p> <p><input type="checkbox"/> Lowest hardware cost</p>
<p>5 IS GATE FLAT ON TOP?</p> <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No _____</p>	<p>6 GATE LOCK OPTIONS</p> <p><i>Manually Operated Gate</i></p> <p><input type="checkbox"/> Key Operated Lock</p> <p><input type="checkbox"/> Mechanical Code Lock</p> <p><i>Automated Gate</i></p> <p><input type="checkbox"/> Mag Lock</p> <p><input type="checkbox"/> NO LOCK</p>	<p>7 GATE AUTOMATION / DRIVE SYSTEM</p> <p><input type="checkbox"/> Standard Carriages </p> <p><input type="checkbox"/> Integrator Carriages </p>



Step 1: Enter Project Name & Information



Configure your Cantilever Gate System

PROJECT NAME

Enter a title for your project and, if you need, please write your personal notes

PROJECT DATA

NAME =

NAME: Project or Customer name This will be used in the name of the configuration emailed.

NOTES =

NOTES: Notes about the project. This field is not included in the configuration email.

DATE = 24/06/2019

Proceed Configuration >

Step 2: Enter Gate Specifications

MEASUREMENTS

Enter below the main measurements for selection and calculation of the Cantilever gate most suited to your needs. Note that the length (L) requested corresponds to the *span* of the gate, i.e. the effective length between one gate post and the other.

GATE MEASUREMENTS

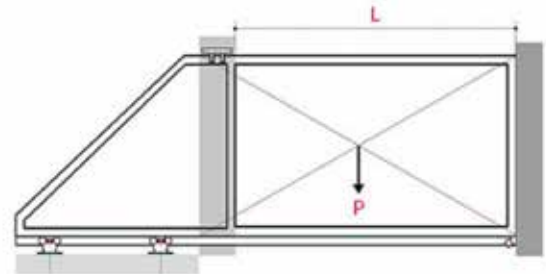
MONORAIL MATERIAL (M) =

OPENING WIDTH (L) = m inch e.g. 1,5m / 39,5in

GATE WEIGHT: (P) = kg lbs e.g. 100,5Kg / 220,5lbs

Proceed Configuration >

★ See the Selection Tips and Hints for more information.



SELECT: MONORAIL MATERIAL Menu Options:
Steel • Aluminum • Stainless Steel

Typically the monorail track will be the same material as the gate frame structure.

ENTER: OPENING WIDTH
Select the appropriate units:
inches or meters

ENTER: GATE WEIGHT
Select the appropriate units: lbs. or kg

Step 3: Select Carriages

☑ CARRIAGES

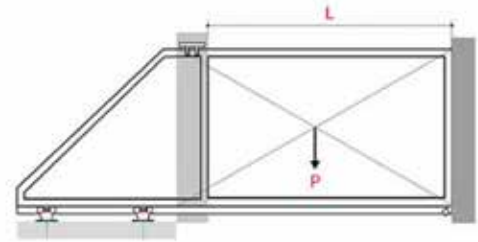
Select the type of cantilever carriage to best meet your needs. On the basis of the measurements you enter you can select from the compatible 5-wheel or 8-wheel carriages. Note that the Cantilever system always envisages a pair of carriages, on which the gate monorail will slide.

DATI CARRELLI

CARRIAGE INTERAXIS: (I) = Select the carriage to complete the calculation

TOTAL LENGTH: (LT) = Select the carriage to complete the calculation

Proceed Configuration >



CAUTION!

Be careful to choose one of the carriages shown here that are available in the USA.

NOTE: The CGS-KIT150 is available, but not shown in the configurator.

CARRIAGE MODELS AVAILABLE FROM USA STOCK

STEEL

STAINLESS

ALUMINUM

CGS - 350.5XL	CGS - 350.8G	CGS - 350.8P	CGS - 250.8P	CGS - 250.8M	CGS - KIT150	CGI-350.5P	CGA - 350.5P	CGA - 350.5M
30 ft. up to 7700 lbs. 65 ft. up to 4400 lbs.	16 ft. up to 4000 lbs. 60 ft. up to 1800 lbs.	10 ft. up to 1700 lbs. 26 ft. up to 1000 lbs.	8 ft. up to 1300 lbs. 19 ft. up to 800 lbs.	8 ft. up to 900 lbs. 14 ft. up to 500 lbs.	8 ft. up to 660 lbs. 13 ft. up to 330 lbs.	13 ft. up to 700 lbs. 26 ft. up to 400 lbs.	20 ft. up to 700 lbs. 30 ft. up to 400 lbs.	10 ft. up to 550 lbs. 16 ft. up to 300 lbs.
CGS-350.5XL	CGS-350.8G	CGS-350.8P	CGS-250.8P	CGS-250.8M		CGI-350.5P	CGA-350.5P	CGA-350.5M

CARRIAGE SELECTION: Use the weight capacity and Gate Opening parameters to choose the carriage best suited for your application.

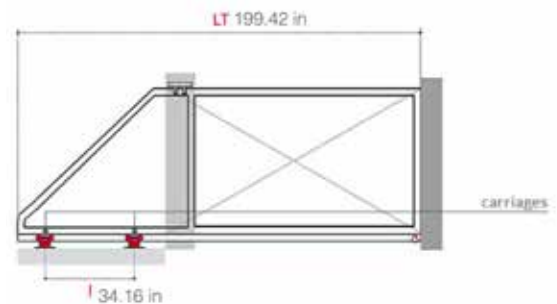
The best!

The selection criteria for "The Best" label is usually the least cost solution, and not always optimal for your specific application.

Note: When you select a carriage, the total gate length "LT" and the carriage spacing "I" for the carriage selected is shown in the drawing on the page. You can select different carriages to see the total gate length for that choice.

The tail section should be between 25% and 40% of the opening width for a typical gate. Heavy gates and large opening sizes can require longer tail sections.

Gate length VS hardware cost is the typical trade-off consideration. But heavy usage and long term durability are important factors as well.



★ See the Selection Tips and Hints for more information.

GALVANIZED STEEL TRACK

MODEL	TYPICAL GATE	INCLUDES	GATE RANGE
CGS-KIT150	GATE OPENING: 12FT WEIGHT OF OPENING: 300LB TOTAL GATE LENGTH: 18FT	20ft of track, 2 carriages, 1 end cup, 1 end wheel, and 1 top guide plate	8 ft at 660 lbs 13 ft at 330 lbs
CGS-250.8M	GATE OPENING: 16FT WEIGHT OF OPENING: 600LB TOTAL GATE LENGTH: 22FT	30ft of track, 2 carriages, 2 end cups, 2 end wheels, 1 top guide plate and 8 J-bolts	8 ft at 900 lbs 14 ft at 500 lbs
CGS-250.8P	GATE OPENING: 18FT WEIGHT OF OPENING: 800LB TOTAL GATE LENGTH: 24FT	30ft of track, 2 carriages, 2 foundation plates, 2 end cups, 2 end wheels, 1 top guide plate and 12 J-bolts	8 ft at 1300 lbs 19 ft at 800 lbs
CGS-350.8P	GATE OPENING: 24FT WEIGHT OF OPENING: 1200LB TOTAL GATE LENGTH: 33FT	40ft of track, 2 carriages, 2 foundation plates, 2 end cups, 2 end wheels, 1 top guide plate and 12 J-bolts	10 ft at 1700 lbs 26 ft at 1000 lbs
CGS-350.8G	GATE OPENING: 30FT WEIGHT OF OPENING: 1800LB TOTAL GATE LENGTH: 39FT	40ft of track, 2 carriages, 2 foundation plates, 2 end cups, 2 end wheels, 1 top guide plate and 12 J-bolts	16 ft at 4000 lbs 60 ft at 1800 lbs
CGS-350.5XL	GATE OPENING: 30FT WEIGHT OF OPENING: 3800LB TOTAL GATE LENGTH: 40FT	40ft of track, 2 carriages, 1 top guide plate and 12 J-bolts	30 ft at 7700 lbs 65 ft at 4400 lbs

ALUMINUM TRACK

MODEL	TYPICAL GATE	INCLUDES	GATE RANGE
CGA-350.5M	GATE OPENING: 16FT WEIGHT OF OPENING: 300LB TOTAL GATE LENGTH: 21FT	30ft of track, 2 carriages, 2 end cups, 2 end wheels, 1 top guide plate and 8 J-bolts	10 ft at 550 lbs 16 ft at 300 lbs
CGA-350.5P	GATE OPENING: 24FT WEIGHT OF OPENING: 600LB TOTAL GATE LENGTH: 32FT	40ft of track, 2 carriages, 2 foundation plates, 2 end cups, 2 end wheels, 1 top guide plate and 12 J-bolts	20 ft at 700 lbs 30 ft at 400 lbs

STAINLESS TRACK

MODEL	TYPICAL GATE	INCLUDES	GATE RANGE
CGI-350.5P	GATE OPENING: 20FT WEIGHT OF OPENING: 300LB TOTAL GATE LENGTH: 26FT	30ft of track, 2 carriages, 2 foundation plates, 2 end cups, 2 end wheels, 1 top guide plate and 12 J-bolts	13 ft at 700 lbs 26 ft at 400 lbs

Step 4: Review the Carriage Selection & Foundation Drawing

FOUNDATION

FOUNDATION MEASUREMENTS

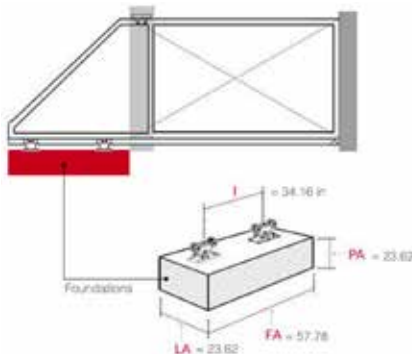
LENGTH: (FA) = 57.78 inch blocks measurement

WIDTH: (LA) = 23.62 inch blocks measurement

DEPTH: (PA) = 23.62 inch blocks measurement

INTERAXIS: (I) = 34.16 in

Proceed Configuration >



The concrete pad acts as the counterbalance weight for the gate, allowing for shorter tail sections than traditional hardware.

The amount of concrete needed, in YARDS

$$LA * PA * FA$$

$$\frac{32,236}{27}$$

Step 5: Select Track Length

MONORAIL

Select the monorail compatible with your cantilever gate configuration

MONORAIL STEEL / GALVANIZED OPTIONS



STEEL TRACK

6000 ZN = 19'8" Galvanized Steel

3000 ZN = 9'10" Galvanized Steel

Note: Raw track is only available for:

CGS-345P, in 19'8" length

CGS-345XL, in 9'10" length

Proceed Configuration >

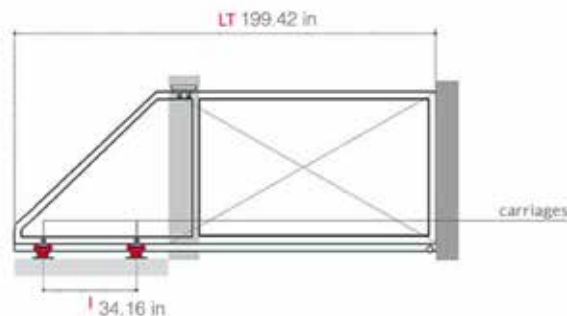
ALUMINUM OPTIONS



ALUMINUM TRACK

6000 = 19'8" Aluminum

3000 = 9'10" Aluminum



STAINLESS STEEL OPTIONS



STAINLESS STEEL (INOX) TRACK

6000 = 19'8" Stainless

3000 = 9'10" Stainless

Make Monorail Selection
Select PROCEED CONFIGURATION
to continue

Step 6: Select Accessories

ACCESSORIES



★ Accessory and Safety Selections do not affect the configuration. No selection is required to proceed.

CG-348	Tie Rods: J-Bolts set into newly poured concrete are the best method of anchoring the carriages to the pad.
CG-10	Template: Not available in the USA but can be ordered if planning on installing multiple gates.
CG-05	Fixing Supports: Foundation Plates make it easier to level and align the carriages, but are not required.
CGS-347	End Wheels: Serve two functions: 1) covering the end of the track for US325 compliance when the gate is automated, 2) assisting the gate to seat effortlessly into the receiver to stabilize the gate in the open and closed positions, and 3) keep dirt and debris out of the track for smoother operation.
CGS-346	End Cups: To stabilize the gate in the open and closed positions. For gates typically closed except for pass throughs, only one is needed. For gates standing open, then two should be used.
CG-20	Not available in the USA.
CG-15	Heavy duty "L" bracket to mount accessories to the side of the fence post or column.
CG-30 Plates	Slide Gate receiver to be positioned near the top of the gate on the receiving post or column. The size of this Guide receiver is matched with the gate frame, and not the track model. CG-30M - Fits 2" to 3" frames CG-30P - Fits 3 3/8" to 4 1/2" frames CG-30G - Fits 4" to 6" frames
CG-40	The tension bar acts as an adjustable turnbuckle in the gates tail section. It is made to fit into 40mm tubing and must be adapted for US tubing sizes.

Step 7: Select Top Guide

SAFETY ACCESSORIES



GALVANIZED STEEL TOP GUIDES

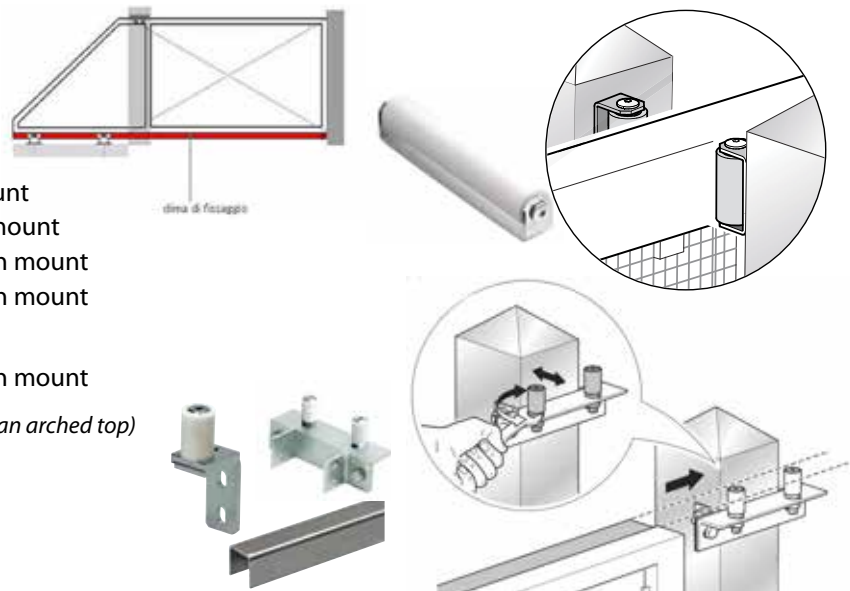
247	For 1 1/4" to 2 3/8" frames	Open rollers, weld mount
255-220	For up to 2 3/8" frames	Covered rollers, weld mount
256-220	For up to 3" frames	Covered rollers, bolt-on mount
256-300	For up to 4 1/2" frames	Covered rollers, bolt-on mount

STAINLESS STEEL TOP GUIDES

CGI-251	For 2 1/2" to 4" frames	Covered rollers, bolt-on mount
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SIDE MOUNTED MONORAIL GUIDES (Also used for gates with an arched top)

CG-252	Adjustable	Single Guide Roller
CG-258-30	For 3" to 4 1/2" frames	Double Guide Roller
CG-254	9'10" lengths	Monorail, Galvanized
253-40	2 per gate required	Side Roller, 10" Nylon



Step 8: Configuration Complete

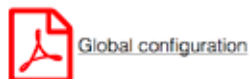
CONFIGURATION COMPLETE!

CONFIGURATION COMPLETE!

Dear Dave White
 You have completed the components selection of the Cantilever Gate (Cantilever) which suits your needs.

PROJECT

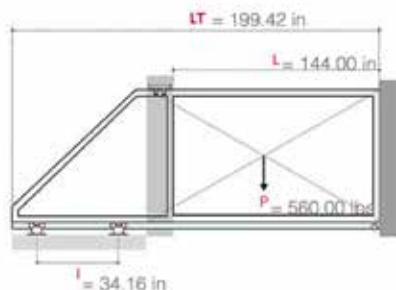
name: **East Gate 12 Ft**
 date: **2019-06-24**



Global configuration



Foundation



PROJECT SUMMARY

MEASUREMENTS

MONORAIL MATERIAL (M) = STEEL
 WEIGHT (P) = 560.00 LBS
 GATE OPENING WIDTH (L) = 144.00 IN
 TOTAL LENGTH (LT) = 199.42 IN

CARRIAGES

MODEL = CGS-250.8M
 WHEELS (R) = 8
 INTERAXIS (I) = 34.16 IN

MONORAIL

MODEL = CGS-245M L=6000 ZN

ACCESSORIES

TIE RODS : CG-348-M16
 STEEL END WHEELS : CGS-347M
 BOTTOM END CUPS AND GALVANIZED STEEL SUPPORTS : CGS-346M

SAFETY ACCESSORIES

You can open or save the Global Configuration or Foundation PDF's if desired, but an email with the Global Configuration will be sent to the login email address.

