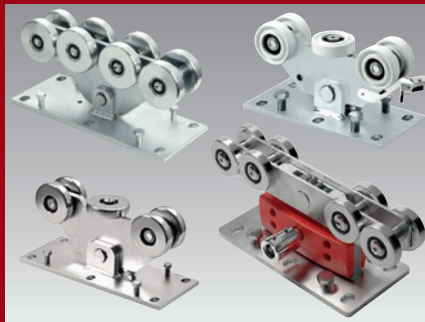
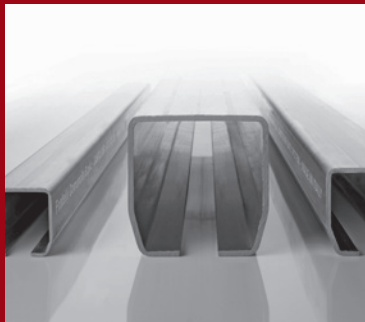


# High Performance Cantilever Gate Hardware

**Accommodates**  
**4,400 lbs at 65ft opening**  
**20,000lbs at 30ft opening**

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



**Manufactured by**

**COMUNELLO**  
LIFE MADE EASY



**Scan code  
to watch  
video**

The **COMUNELLO** Cantilever gate hardware offers a professional solution that satisfies your requirements for installing a cantilever gate, even with complicated applications or large dimensions. It is the perfect choice, with its complete line of accessories and a product configurator to calculate the correct dimensions for the gate. The bottom track covered carriages avoids many of the maintenance problems with traditional sliding gates. Moreover, the hardware can be used on any gate material.

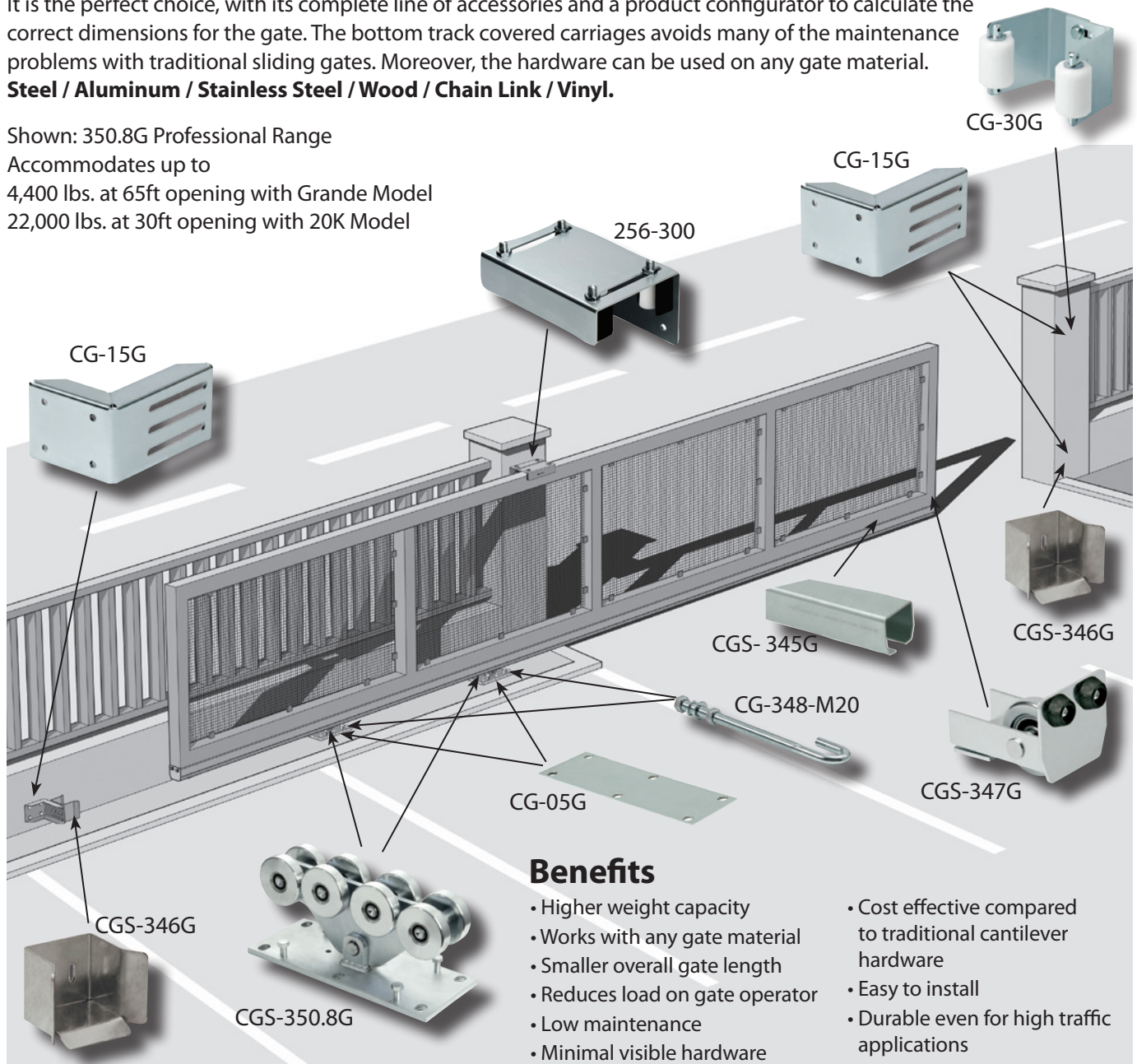
**Steel / Aluminum / Stainless Steel / Wood / Chain Link / Vinyl.**

Shown: 350.8G Professional Range

Accommodates up to

4,400 lbs. at 65ft opening with Grande Model

22,000 lbs. at 30ft opening with 20K Model



## Benefits

- Higher weight capacity
- Works with any gate material
- Smaller overall gate length
- Reduces load on gate operator
- Low maintenance
- Minimal visible hardware
- Cost effective compared to traditional cantilever hardware
- Easy to install
- Durable even for high traffic applications

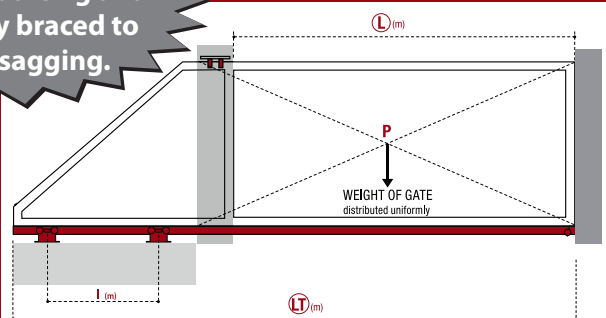
**NOTE: WE ONLY SUPPLY  
THE HARDWARE, NOT  
THE GATE ITSELF**





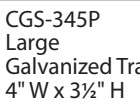











Call us at :  
**908-757-2323**  
for **FREE** assistance  
in configuring the  
specifications for  
your cantilever gate  
project.

**Based on the gate dimensions,  
we can supply you with:**

- Length of counter balance
- Load calculations
- Bill of materials
- Installation instructions

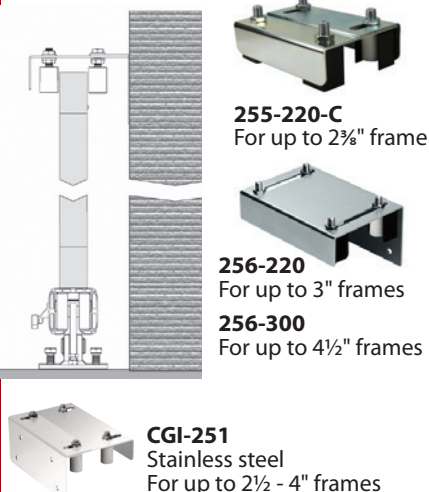
**The gate itself must  
be self supporting and  
adequately braced to  
prevent sagging.**



	GALVANIZED STEEL TRACK					
Model	CGS - 350.5XL	CGS - 350.8G	CGS - 350.8P	CGS - 250.8P	CGS - 250.8M	CGS - KIT150
Opening & Weight Range	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.
Carriages						
	CGS-350.5XL Extra Large Carriage Monobloc Body		CGS-350.8G Grande Carriage Monobloc Body	CGS-350.8P Large Carriage Monobloc Body	CGS-250.8P Large Carriage Multiplate Body	CGS-250.8M Small Carriage Multiplate Body
Tracks available in 9'10" or 19'8" lengths						
	CGS-345XL Extra Large 7¼" W x 6½" H Raw Track Available 9'10" only		CGS-345G Grande Galvanized Track 5½" W x 5½" H		CGS-245P Large Galvanized Track 4" W x 3½" H	CGS-245M Small Galvanized Track 2¾" W x 2¾" H
Accessories						
2x 	CGS-347XL End Wheel for UL325 Compliance	CGS-347G End Wheel for UL325 Compliance	CGS-347P End Wheel for UL325 Compliance	CGS-347P End Wheel for UL325 Compliance	CGS-347M End Wheel for UL325 Compliance	<div>Included in Kit:</div> <div>2x CGS-150.5M Mini Carriage Multiplate Body</div> <div>Choice of</div> <div>CGS-245M Small Galvanized Track:</div> <div>1x 19'8"</div> <div>3x 6'6"</div> <div>1x CGS-347M End wheel</div> <div>1x CGS-346M Bottom end cup</div> <div>1x 255-220-C Top Guide with roller covers</div> <div></div> <div></div> <div></div> <div></div>
1x 	CGS-346XL Bottom End Cup	CGS-346G Bottom End Cup	CGS-346P Bottom End Cup	CGS-346P Bottom End Cup	CGS-346M Bottom End Cup	
1x 	CG-30P Gate Receiver 3-3/8" to 4-1/2"	CG-30M Gate Receiver 2" to 3"	CG-30M Gate Receiver 2" to 3"	CG-30M Gate Receiver 2" to 3"	CG-30M Gate Receiver 2" to 3"	
2x 	CG-15G Adjustable Mounting Bracket	CG-15G Adjustable Mounting Bracket	CG-15P Adjustable Mounting Bracket	CG-15P Adjustable Mounting Bracket	CG-15M Adjustable Mounting Bracket	
Anchoring and Installation Accessories						
12x 	CG-348-M20 J-Bolt, Galvanized M20 x 15"	CG-348-M20 J-Bolt, Galvanized M20 x 15"	CG-348-M16 J-Bolt, Galvanized M16 x 15"	CG-348-M16 J-Bolt, Galvanized M16 x 15"	CG-348-M16 J-Bolt, Galvanized M16 x 15"	<div>8x </div>
2x 	CG-05G Foundation Plate	CG-05G Foundation Plate	CG-05P Foundation Plate	CG-05P Foundation Plate	CG-05P Foundation Plate	

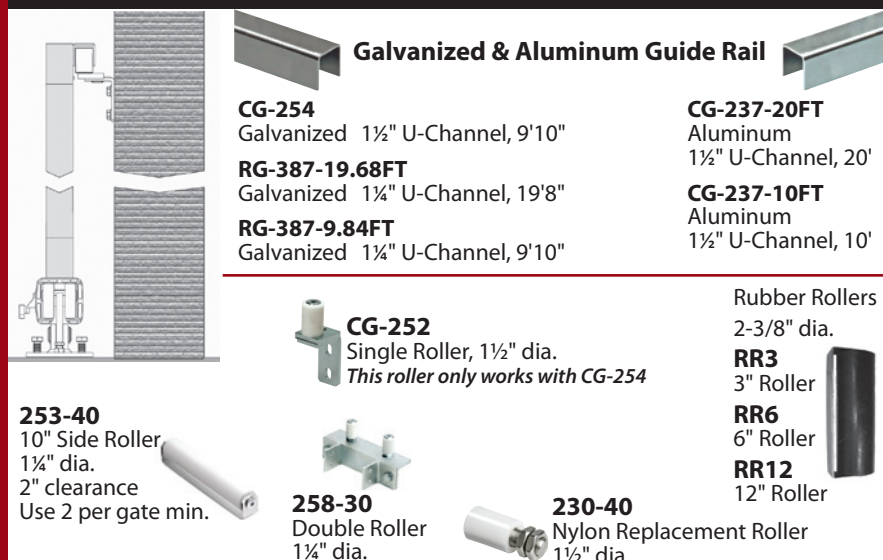
## TOP GUIDE OPTIONS

Adjustable Guiding Plate with roller covers to avoid pinch points.



## SIDE MOUNT GUIDE OPTIONS

USE FOR GATES WITH AN ARCHED TOP OR PROTRUDING PICKETS





## CGS-450.9-20K



Carriage with 44,000 lbs. capacity for heavy cantilever gates

Up to 100 ft opening width

### Target Application Examples:

30 ft gate opening weighing 20,000 lbs

50 ft gate opening weighing 18,000 lbs

65 ft gate opening weighing 17,000 lbs

### Features:

- 1-3/8" (35 mm) thick monoblock steel body
- High capacity shielded bearing to ensure high load performance
- All components are made of high quality steel
- Center alignment wheel to ensure stability during movement
- Adjustment screws for vertical alignment

### Designed for high security applications:

- Data Centers
- Power Stations
- Secure Industrial Facilities
- Military



### CGS-495-20K

Raw steel track  
8" x 8" x 1/2" thick



### CGS-496-20K

Galvanized  
bottom end cup



### CGS-497-20K

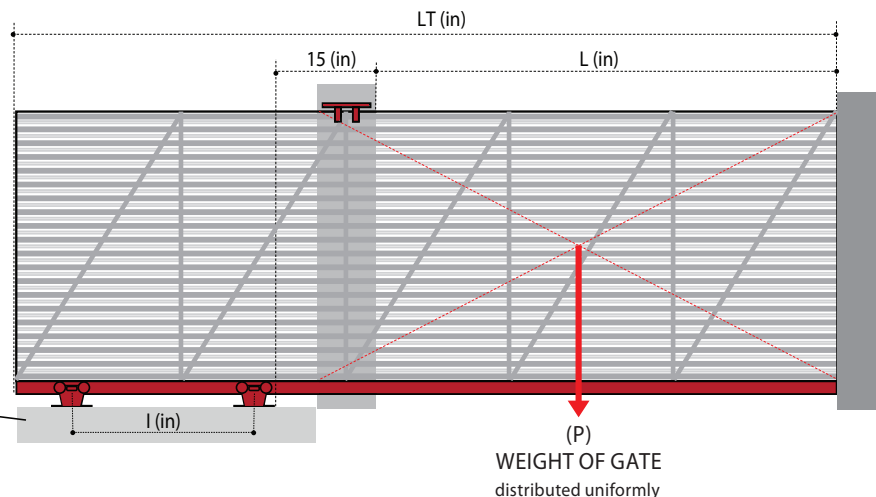
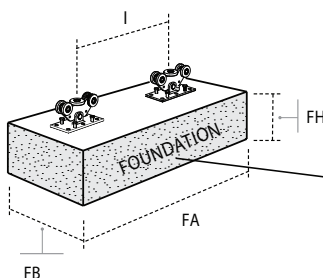
Galvanized  
end wheel for track


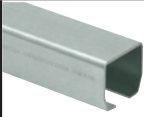
















### CGS-499

1100 lb load capacity  
guide roller  
(use in pairs)

The structural calculations of the cement foundation (FA x FB x FH), the carriage spacing (I), and the type of anchoring, should all be determined by a structural engineer.



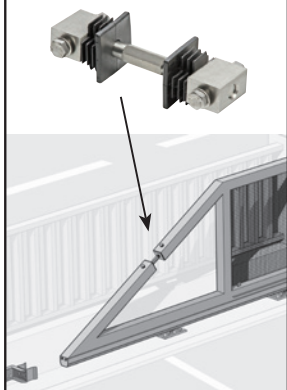
STAINLESS TRACK	
<b>Model</b>	<b>CGI-350.5P</b>
<b>Opening &amp; Weight Range</b>	<b>13 ft. up to 700 lbs. 26 ft. up to 400 lbs.</b>
<b>Carriages</b>	
	CGI-350.5P Large Carriage Monobloc Body
<b>Tracks available in 9'10" or 19'8" lengths</b>	
	CGI-345P Large Stainless Steel Track 4" W x 3½" H
<b>Accessories</b>	
<b>2x</b> 	CGI-347P End Wheel for UL325 Compliance
<b>1x</b> 	CGI-346P Bottom End Cup
<b>1x</b> 	CG-30M Gate Receiver 2" to 3"
<b>2x</b> 	CG-15P Adjustable Mounting Bracket
<b>Anchoring and Installation Accessories</b>	
<b>12x</b> 	CGI-348-M16 J-Bolt, Stainless Steel M16 x 15"
<b>2x</b> 	CGI-05P Foundation Plate

ALUMINUM TRACK		
<b>Model</b>	<b>CGA - 350.5P</b>	<b>CGA - 350.5M</b>
<b>Opening &amp; Weight Range</b>	<b>20 ft. up to 700 lbs. 30 ft. up to 400 lbs.</b>	<b>10 ft. up to 550 lbs. 16 ft. up to 300 lbs.</b>
<b>Carriages with Nylon Wheels</b>		
	CGA-350.5P Large Carriage Monobloc Body Nylon Wheels	CGA-350.5M Small Carriage Monobloc Body Nylon Wheels
<b>Tracks available in 9'10" or 19'8" lengths</b>		
	CGA-345P Large Aluminum Track 4 3/16" W x 4 1/32" H	CGA-345M Small Aluminum Track 3 3/4" W x 3 3/8" H
<b>Accessories</b>		
<b>2x</b> 	CGA-347P End Wheel for UL325 Compliance	CGA-347M End Wheel for UL325 Compliance
<b>1x</b> 	CGS-346P Bottom End Cup	CGA-346M Bottom End Cup
<b>1x</b> 	CG-30M Gate Receiver 2" to 3"	CG-30M Gate Receiver 2" to 3"
<b>2x</b> 	CG-15P Adjustable Mounting Bracket	CG-15M Adjustable Mounting Bracket
<b>Anchoring and Installation Accessories</b>		
<b>12x</b> 	CG-348-M16 J-Bolt, Galvanized M16 x 15"	CG-348-M16 J-Bolt, Galvanized M16 x 15" <b>8x</b>
<b>2x</b> 	CG-05P or CGI-05P Foundation Plate	CG-05P or CGI-05P Foundation Plate

## CGI-40

Tension Bar - Stainless Steel  
Fits 50mm metric tubing  
USA 2½" sq. min. (shimmed)  
With turnbuckle action

*Use for minor adjustment  
of gate sag*



# duragates.com

- Browse models
- Download
  - CAD drawings
  - Spec sheets
  - Installation Instructions
- Read FAQs
- View the project gallery
- Request a quote

## GALVANIZED STEEL TRACK

<u>MODEL</u>	<u>TYPICAL GATE</u>	<u>INCLUDES</u>	<u>GATE RANGE</u>
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

<u>MODEL</u>	<u>TYPICAL GATE</u>	<u>INCLUDES</u>	<u>GATE RANGE</u>
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

<u>MODEL</u>	<u>TYPICAL GATE</u>	<u>INCLUDES</u>	<u>GATE RANGE</u>
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

**CALL 908-757-2323 FOR DETAILED GATE CONFIGURATION  
OR  
VISIT DURAGATES.COM**

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.

### IS THIS PROJECT?

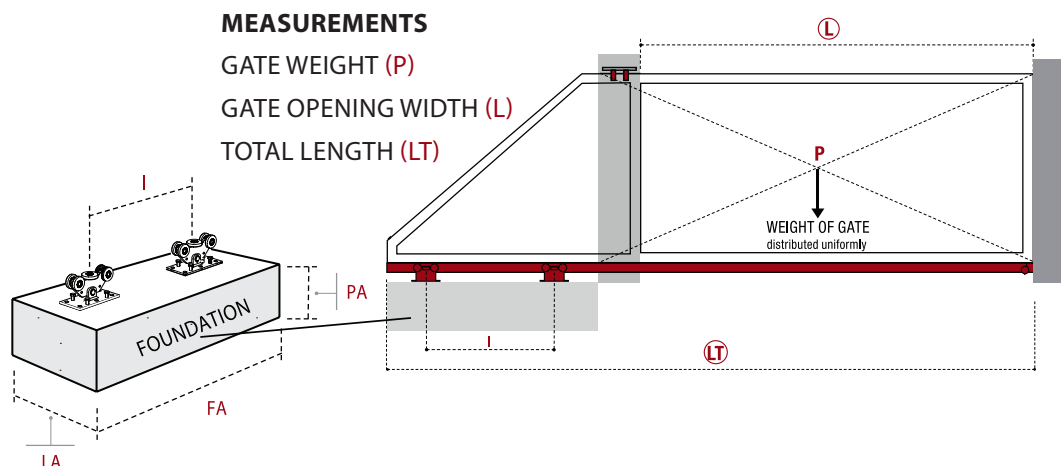
- ☐ A new gate  
☐ Existing Gate / Retrofit

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

<b>1 MATERIAL OF THE GATE (OR FRAME)</b> <input type="checkbox"/> Steel <input type="checkbox"/> Wood <input type="checkbox"/> Aluminum <input type="checkbox"/> PVC <input type="checkbox"/> Chain Link <input type="checkbox"/> Stainless Steel		<b>DURAGATES TRACK</b> <b>MATERIAL REQUIRED</b> <input type="checkbox"/> Galvanized Steel <input type="checkbox"/> Aluminum <input type="checkbox"/> Stainless Steel		<b>GATE FRAME SIZE</b> <input type="checkbox"/> 1-1/2" <input type="checkbox"/> Square <input type="checkbox"/> 2" <input type="checkbox"/> Round <input type="checkbox"/> 2-1/2" <input type="checkbox"/> Other _____
<b>2 OPENING WIDTH</b> Typically the post to post measurement      L = _____ ft. / in.				
<b>3 WEIGHT OF THE GATE "over the opening"</b> If the weight is given for the full gate, specify the assumed gate length and label it as full gate weight P = _____ lbs. Full gate weight _____ lbs. Assumed gate length _____ ft. / in.				
<b>4 OPTIMIZE FOR MINIMUM TAIL LENGTH OR COST?</b> ✦ Often two or more models will carry the load, so knowing which is more important for the application guides us to the best result. ✦ Space available in "Open" position. _____ ft. / in.		<b>OPTIMIZE FOR:</b> <input type="checkbox"/> Minimum tail length <input type="checkbox"/> Lowest hardware cost		
<b>5 IS GATE FLAT ON TOP?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No _____	<b>7 GATE LOCK OPTIONS</b> <i>Manually Operated Gate</i> <input type="checkbox"/> Key Operated Lock <input type="checkbox"/> Mechanical Code Lock <i>Automated Gate</i> <input type="checkbox"/> Mag Lock <input type="checkbox"/> NO LOCK		<b>8 GATE AUTOMATION / DRIVE SYSTEM</b> <input type="checkbox"/> Standard Carriages  <input type="checkbox"/> Integrator Carriages 	
<b>6 IS GATE AUTOMATION NEEDED?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No _____				

### FOUNDATION

LENGTH (LA)  
 WIDTH (FA)  
 DEPTH (PA)  
 INTERAXIS (I)





## Frequently Asked Questions

### Q: Where do I start?

A: The first step is to think about what kind of gate design and gate material you want. The advantage of using our hardware is that you can use practically any gate design with any gate material. Then, let us know the size of the opening and the approximate weight of just the opening part of the gate. We will then come back to you with the suggested model, overall length of gate including counterbalance and size of the foundation required. Armed with that information you can then complete your gate design.

### Q: I have seen most cantilever track with a top track system. What are the advantages of the DuraGates system over the top track system?

A: There are several advantages actually.

- First of all, the weight of the gate is transferred to the ground, hence it can bear a lot more load than a top track. Besides there are less chances of the track bending/buckling
- You can use any gate material versus mainly steel/aluminum for the top track system
- You can design any gate shape versus only a straight gate for the top track
- Performs better in the snow
- Looks much better versus the industrial look of the top track system
- Our system needs a smaller counterbalance versus the top track thus reducing the overall gate length
- You don't need an elaborate system of posts to mount the gate to. Posts tend to shift over time causing problems in the future. Our system only needs a top guide plate that can be installed even on masonry columns

### Q: Can I use any gate material?

A: Yes, you can use practically any gate material as long as you can mechanically attach the gate to the bottom track. In case of a steel or aluminum gate you can just weld the gate to the track, or even use the track itself as the bottom frame of the gate.

### Q: The system looks very simple. What am I missing?

A: You are not missing anything! The system is actually very simple. Just a track, 2 wheels and some related accessories. Not just that, it is also very aesthetically appealing with minimal visible hardware.

### Q: I live in very heavy snow conditions. How does it perform in these conditions?

A: The product actually works better in the snow than most traditional sliding gate hardware systems.

- The wheels are always covered with the track, hence you never have to clean the wheels.
- There are no exposed rollers unlike some other cantilever systems
- The path of the gate travel has to be cleared of snow, which would have to be done for any gate
- You may have to adjust the foundation depth based on the frost line in your local area

### Q: I don't know the weight of my gate. Where do I go from here?

A: We urge you to at least roughly estimate the weight of the gate based on the materials and design used. It is an important starting point in order for us to help you configure the overall gate dimensions.

### Q: My gate is very small. Can I use your system?

A: Absolutely. Our system can be used for openings as small as 2 to 3 ft in residential and even indoor applications. You don't need to pour a foundation for small gates/doors such as these. See our project gallery for examples.

### Q: Which gate operator can I use?

A: Our system is totally independent of the gate operator. You can use a gate operator of your choice. In fact the face of the bottom track provides a nice surface to mount the gear rack to (for rack/pinion type operators). The track slides very smoothly on the carriages thereby reducing the load on the operator.

### Q: What kind of maintenance does it require?

A: None really. The carriages have sealed bearings. Depending on usage, the bearings may wear out eventually and it is then advisable to replace the entire carriage. If you ever want to service the gate, simply remove the end caps and slide the gate off the track.

### Q: How much effort will I need to operate the gate?

A: The track slides very smoothly on the carriages and you can operate the gate with just one hand. Of course, depending on the weight of the gate and the application you may want to install a gate operator. Due to the smooth operation, the load on the operator is also reduced.

### Q: Can the gate travel at an incline?

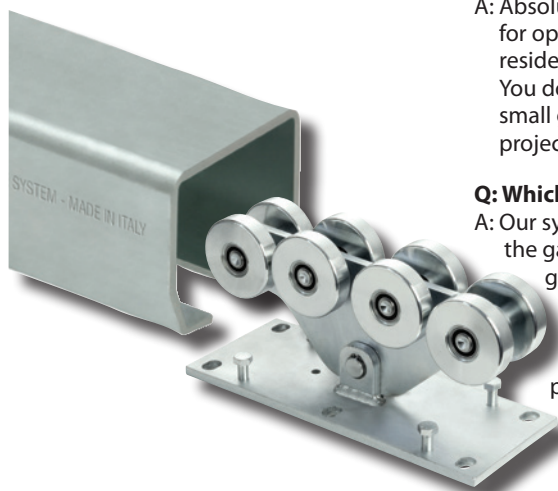
A: Unfortunately that is one application where the gate won't work. The carriages have to be installed horizontally and in one line. However, since it is cantilevered off the ground, the ground itself can be at an incline. You just have to install the gate high enough to clear the highest point on the ground.

### Q: Can I install the carriages on a post instead of on the ground?

A: We highly discourage installing the carriages on the post as it will not be able to bear a high load and will also cause problems once the post starts to shift. In fact the system is designed to avoid all the problems associated with mounting the carriages to a post. We realize that there is an added cost involved in making a foundation. However, for light duty applications, many of our customers have been able to post mount the carriages or not pour a foundation. Once you understand how the system works, please use your judgment to determine what could work in your application.

### Q: I have an arch top on my gate. What do I use for the top guide?

A: For arched and other gate shapes we recommend using the monorail CG-254 and the roller CG-252. This galvanized steel monorail can be installed horizontally somewhere along the full length of the gate and will provide adequate support.

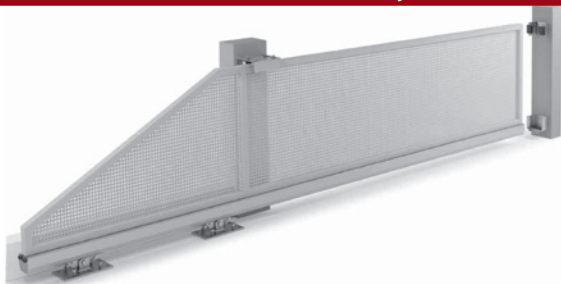


**[duragates.com](http://duragates.com)**



# WHY CHOOSE OVER OTHER SLIDING/ROLLING GATE SYSTEMS?

## DuraGates enclosed roller system



### Benefits of using DuraGates Hardware!

- **Higher Weight Capacity**

With the weight of the gate transferred to the ground, gate openings up to 59 feet with a weight of 4000 pounds can be accommodated.

- **Enclosed Track**

Enclosed track system helps comply with ASTM F2200 & UL325 safety standards. This system is perfect for snowy, icy, rainy.... basically any environment as the rollers are enclosed inside the track and are not affected by precipitation thus eliminating the need for constant cleaning and maintenance.

- **Use with any Gate Material**

The gate can be either welded or mechanically attached to the bottom track.

- **Smaller Overall Gate Length**

The counterbalance is less than traditional cantilever hardware which works especially well when space is restricted.

- **Easy Installation**

Once the 2 carriages are mounted on the concrete pad, simply slide the gate on the carriages and add the end wheels.

- **Durability**

High quality rollers and track result in years of trouble free operation.

- **Reduced Load on Gate Motor**

The gate will roll smoothly and can even be operated with one hand. This reduces the load on the gate motor resulting in a longer life and reduced maintenance on the motor.

- **Low Maintenance**

Enclosed, sealed bearing equipped roller construction, no lubrication required! The sealed bearings really stand up to dusty environments where grit would eat up non-sealed bearing designs.

- **Minimal Visible Hardware**

Since no unsightly wires or overhead track are needed with DuraGates, our hardware makes for a more aesthetically pleasing gate system. It can also be adapted for a gate with an arched top.

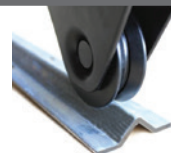
- **Unobstructed Driveway**

No track on the ground to trip over. The driveway can be uneven and sloping since the gate is off the ground.

## V-track systems

### Pros:

- Nice slide action if there is nothing in the way of the rollers like a garden hose, rock, or other obstruction.



### Cons:

- Needs digging of trench along length of driveway for proper installation.
- Ground track can be obstructed by objects laying over it.
- Rollers can possibly be derailed.
- In freezing weather, snow and ice can obstruct the track, and when the gate is open, the track would potentially be in the way of snow plowing.
- In freezing weather the rollers can freeze up, compromising the smooth slide action of the gate.

## Overhead track systems

### Pros:

- Sometimes a closed roller system, meaning the rollers are sheltered from the elements within the track, this way snow and ice doesn't impede the rolling action of the gate.



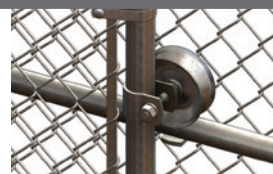
### Cons:

- Bearings used in these systems are not commonly a sealed bearing, so maintenance is required, grease must be used to keep the bearings within the trucks rolling smoothly. This type of lubrication accumulates grit, especially in dusty environments and requires a cleaning of the track and roller surfaces to maintain a smooth gate action.
- Overhead systems usually do not work with gates that are meant to be ornamental or even just aesthetic, the track looks quite industrial from the outside if it is not hidden by the gate.
- It is not possible to do an arched top gate.
- Gate is constantly pulling down on the track resulting in limited weight capacity.

## Chain link exposed-roller systems

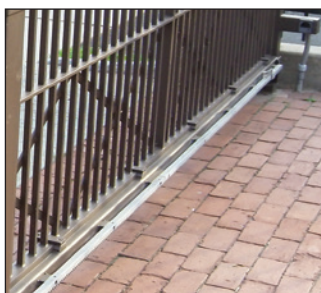
### Pros:

- Economical: Because this type of system uses the bottom pipe of the chain link gate as a track, there is no track to purchase. This means that all you have to buy are rollers to support and guide the gate.



### Cons:

- These gates have practically no aesthetic appeal, this is why they are commonly used in industrial applications.
- Due to using the chain link panel frames as the channel for the rollers, the gate itself can get quite dirty from lubrication of the rollers getting onto the gate frame.
- These gates can have the least smooth action.
- The rollers are exposed and need constant cleaning.
- Needs at least 50% counter balance
- As the gate posts may eventually shift, the rollers may need constant adjustment.



This residence is on a busy street and did not have the space for a swing gate. The homeowner needed an ornamental sliding gate with a decorative top to blend in with an existing fence.

The solution, DuraGates. By using the monorail track, CG-254, and the nylon roller, CG-252, the gate was fabricated with the matching spear points of the fence.



This large entrance required sturdy gates with minimal visible hardware. This client decided to use DuraGates Aluminum Track Model, CGA-350.5P. The gate cantilevers over the driveway instead of having V-Groove track mounted on the ground in the entrance. When the gates are both open, they tuck nicely behind the two brick walls. By choosing the aluminum model, there is no chance of rust or corrosion, making these gates a low maintenance addition to the property.

Both gates have been installed with a Deimos gate operator by BFT and are controlled via remote control.



To deter unauthorized parking, property management required an automated sliding gate so that only their tenants would have access to the apartment parking lot.

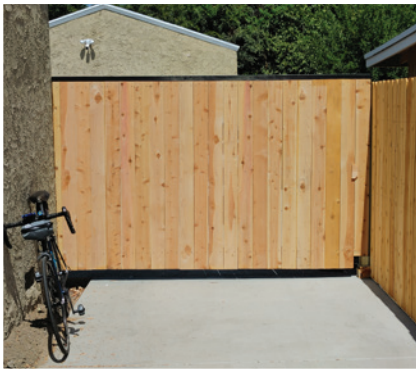
To achieve this, DuraGates cantilever hardware was installed as a ground track system would not be possible due to the uneven ground at the entry point. DuraGates also complies with the required ASTM F2200 & UL325 safety standards.



Scan the QR code to view more DuraGates projects.



Due to the hardware's versatility, this gate was fabricated to match the deck rails on a porch in order to keep the owner's dogs from venturing out into the yard. The CGS-250.8M galvanized steel track model was used. Due to the small size of the carriages and minimal hardware used to create the gate, it is quite aesthetically pleasing. To a passerby, this front porch would look to be enclosed, since the gate hardware is mostly hidden.



This client chose Integrator model CGS-500.8M for his sliding gate. The Integrator is a new galvanized steel cantilever system with an internal gear-rack drive system. This means the gear rack is installed inside of the DuraGates bottom track hiding it from view. From the outside of the property there is no visible gate hardware. The gate blends seamlessly into the surrounding fence.



**THE EVOLUTION CONTINUES**

# The Integrator

The all new galvanized steel cantilever system with internal gear-rack drive system.

**Integrated protection:**

- ...from the weather
- ...from tampering
- ...from personal injury
- ...from unsightly chains

Automation ready.

Makes the mechanics disappear for a clean simple look.

Comunello quality - DuraGates support!



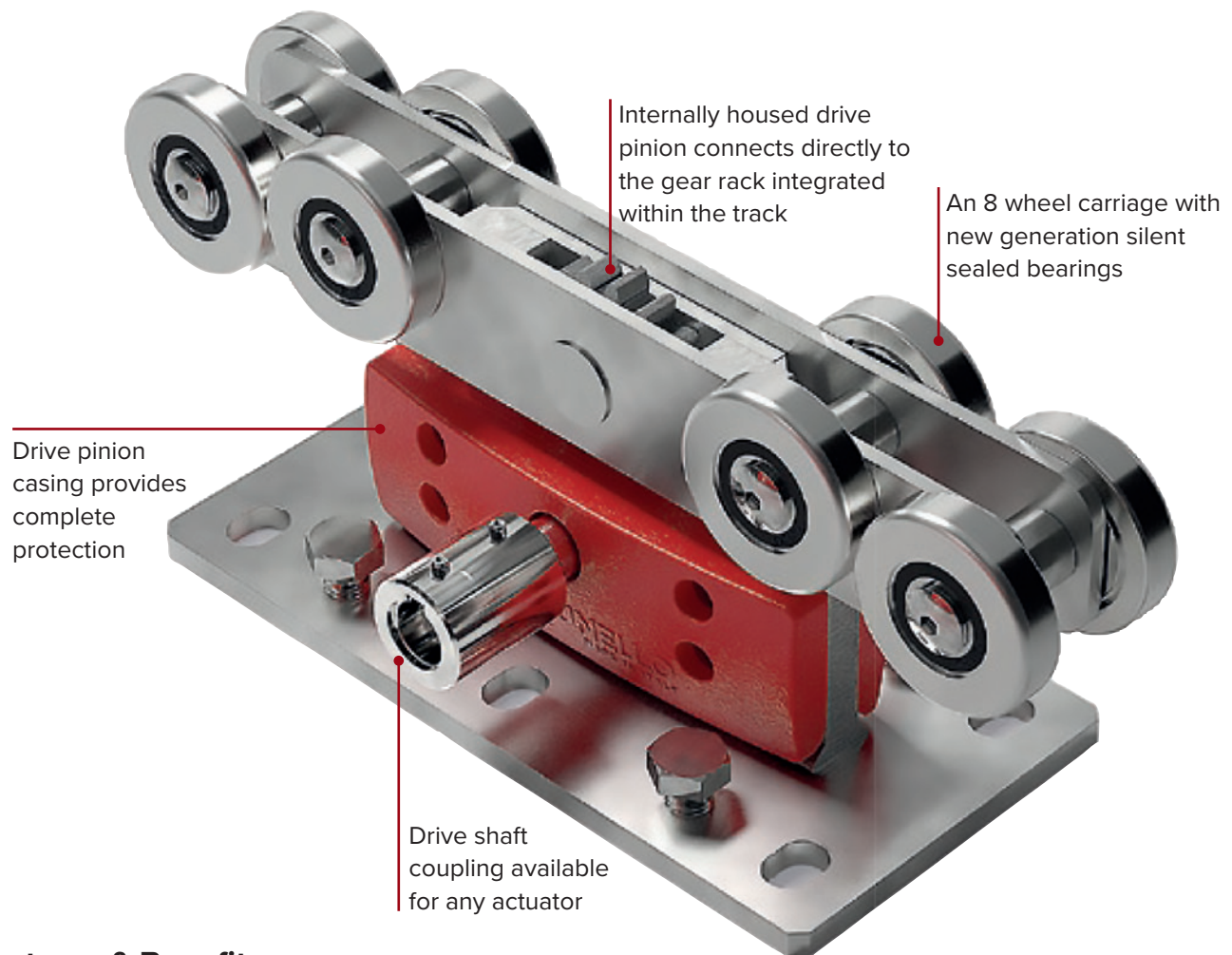
**Manufactured by**  
**COMUNELLO**  
LIFE MADE EASY



Watch a video for  
more information.














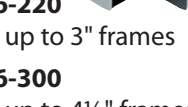
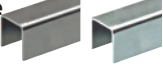
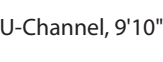
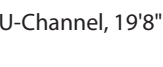
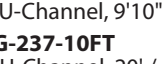




**The Integrator** hides the drive gear in the carriage and the gear rack inside the track and couples the gate operator directly to the carriage for a unique integrated system that completely hides the drive mechanics.

- The drive pinion and gear rack are completely protected inside the carriage and track, which guarantees excellent protection from ice blockages and other weather related problems.
- Carriage with integrated pinion provides for an easy installation: simply connect the carriage directly to the gate operator using the drive shaft coupling
- Suitable for temperatures ranging from -22°F to 176°F.
- The integrated drive system protects the moving parts and gives a clean, elegant look while increasing personal safety.



## Features & Benefits:

- Noiseless bearings of new generation shielded to protect against dust suitable for temperatures from -22°F to 176°F
- Self-balancing
- 8 support wheels for each carriage
- Quiet operation
- Increased personal safety
- Next Gen technology

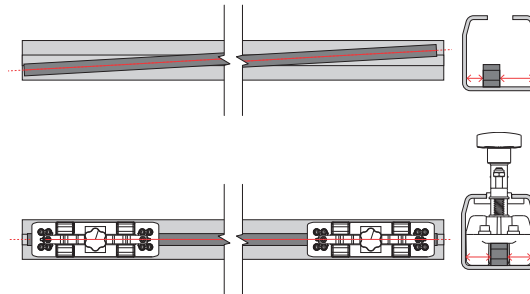
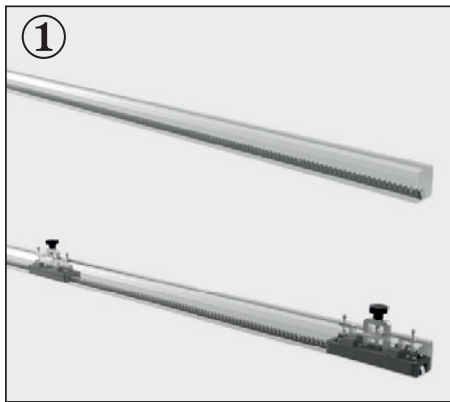
Model	CGS-500.8M	CGS-500.8P	CGS-500.8G
Opening & Weight Range:	10 ft. up to 840 lbs. 24 ft. up to 830 lbs.	12 ft. up to 1400 lbs. 35 ft. up to 1300 lbs.	16 ft. up to 2700 lbs. 52 ft. up to 2350 lbs.
<b>CARRIAGES</b> 	<b>CGS-500.8M</b> Small Primary/Secondary 8-Wheel Carriage Set • Driven Primary Carriage • Secondary Carriage	<b>CGS-500.8P</b> Large Primary/Secondary 8-Wheel Carriage Set • Driven Primary Carriage • Secondary Carriage	<b>CGS-500.8G</b> Grande Primary/Secondary 8-Wheel Carriage Set • Driven Primary Carriage • Secondary Carriage
<b>TRACK</b> 	<b>CGS-345M</b> Small, galvanized steel 19'8" or 9'10" lengths	<b>CGS-345P</b> Large, galvanized steel 19'8" or 9'10" lengths	<b>CGS-345G</b> Grande, galvanized steel 19'8" or 9'10" lengths
<b>RACK</b> 	<b>CG-50M</b> 4'11" Gear Rack w/Mounting Screws	<b>CG-50P</b> 4'11" Gear Rack w/Mounting Screws	<b>CG-50G</b> 3'4" Gear Rack w/Mounting Screws
<b>TEMPLATE</b> 	<b>CG-55M</b> Gear rack centering device Set of 2 pieces Installation tool to center and align gear rack in track	<b>CG-55P</b> Gear rack centering device Set of 2 pieces Installation tool to center and align gear rack in track	<b>CG-55G</b> Gear rack centering device Set of 2 pieces Installation tool to center and align gear rack in track
<b>ADAPTER</b> 	<b>CG-58</b> Drive Shaft Coupling	<b>CG-58</b> Drive Shaft Coupling	<b>CG-58G</b> Drive Shaft Coupling
<b>TYPICAL ACCESSORIES</b> 2x  1x  2x  1x  12x  2x 	<b>CGS-347M</b> End Wheel for UL325 Compliance  <b>CGS-346M</b> Bottom End Cup  <b>CG-15M</b> Adjustable mounting bracket  <b>CG-30M</b> Gate receiver, 2" - 3" frame  <b>CG-348-M16</b> Threaded J-bolt for mounting carriages.  <b>CG-05P</b> Foundation plate for carriage	<b>CGS-347P</b> End Wheel for UL325 Compliance  <b>CGS-346P</b> Bottom End Cup  <b>CG-15P</b> Adjustable mounting bracket  <b>CG-30M</b> Gate receiver, 2" - 3" frame  <b>CG-348-M16</b> Threaded J-bolt for mounting carriages.  <b>CG-05P</b> Foundation plate for carriage	<b>CGS-347G</b> End Wheel for UL325 Compliance  <b>CGS-346G</b> Bottom End Cup  <b>CG-15G</b> Adjustable mounting bracket  <b>CG-30M</b> Gate receiver, 2" - 3" frame  <b>CG-348-M20</b> Threaded J-bolt for mounting carriages.  <b>CG-05G</b> Foundation plate for carriage
<b>TOP GUIDE OPTIONS</b> Adjustable Guiding Plate with roller covers to avoid pinch points.   <b>255-220-C</b> For up to 2¾" frame   <b>256-220</b> For up to 3" frames   <b>256-300</b> For up to 4½" frames		<b>SIDE MOUNT GUIDE OPTIONS</b> Galvanized & Aluminum Guide Rail  <b>CG-254</b> Galvanized 1½" U-Channel, 9'10"  <b>RG-387-19.68FT</b> Galvanized 1¼" U-Channel, 19'8"  <b>RG-387-9.84FT</b> Galvanized 1¼" U-Channel, 9'10"  <b>CG-237-20FT / CG-237-10FT</b> Aluminum 1½" U-Channel, 20' / 10'  <b>CG-252</b> Single Roller, 1½" dia. <i>This roller only works with CG-254</i>  <b>258-30</b> Double Roller 1½" dia.  <b>230-40</b> Nylon Replacement Roller 1½" dia.  <b>253-40</b> 10" Side Roller 1¼" dia. 2" clearance Use 2 per gate min.	
USE FOR GATES WITH AN ARCHED TOP OR PROTRUDING PICKETS			





## The Integrator Gear Rack Installation Tool

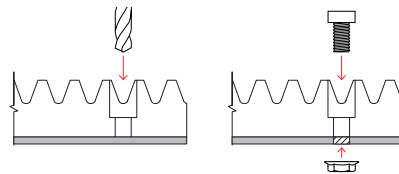
The integrator installation tool is a centering and alignment guide. It quickly and simply centers the gear rack along its length by sliding into position inside the track. The central slot in the guide base holds the gear rack centered in the track. The screw adjustment locks the tool in position so that the pre-drilled holes on the gear rack can be used as a template for drilling into the track. When a second piece of gear rack is required, just position the guide between the two gear racks and tighten the locking screw. This will perfectly align the teeth between the two gear racks.



Position the first piece of gear rack inside the track. Use two template guides, one positioned at each end of the gear rack to center the gear rack lengthways within the track.

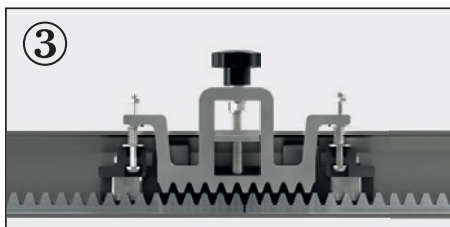


Using the pre-drilled gear rack as a guide, drill mounting holes in the track. Screw the gear rack to the track.

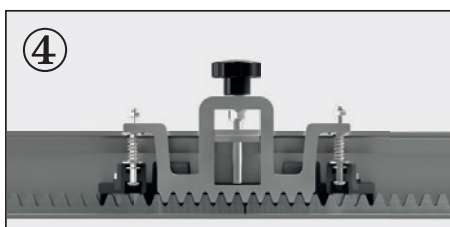
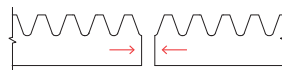


### Drill Bit Sizes:

CG-50M	5.2mm
CG-50P	6.2mm
CG-50G	10.2mm



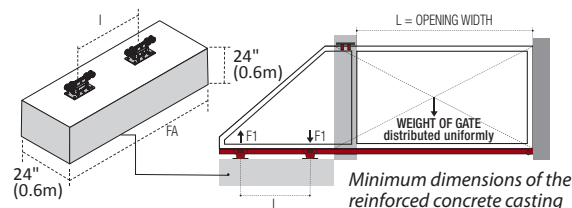
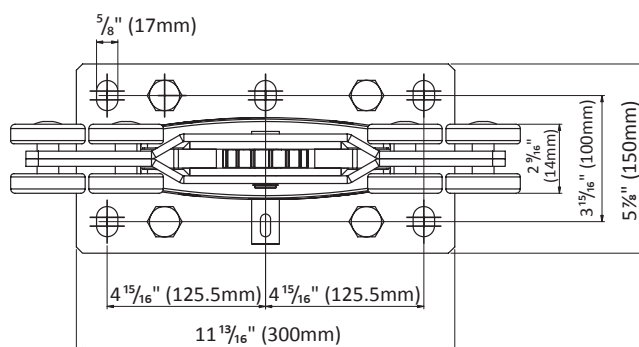
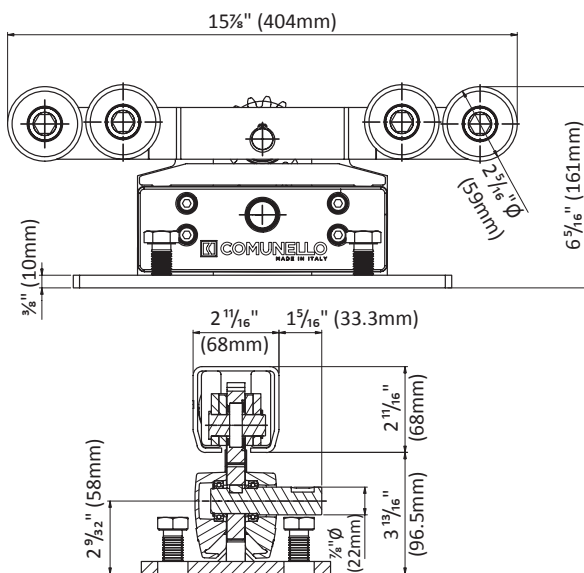
Insert the second piece of gear rack.



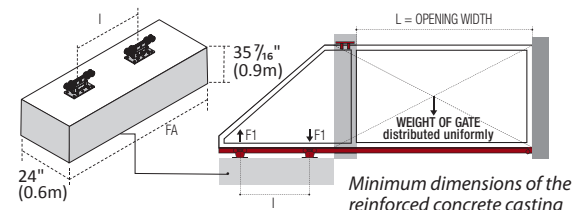
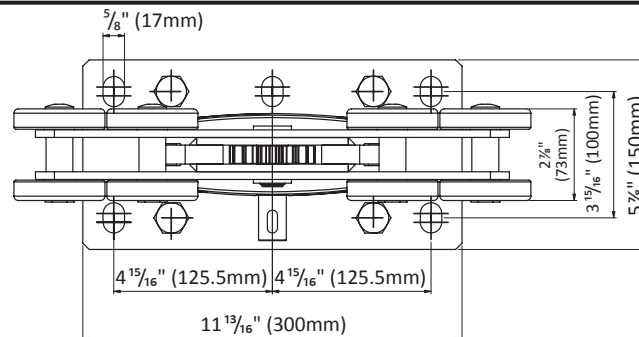
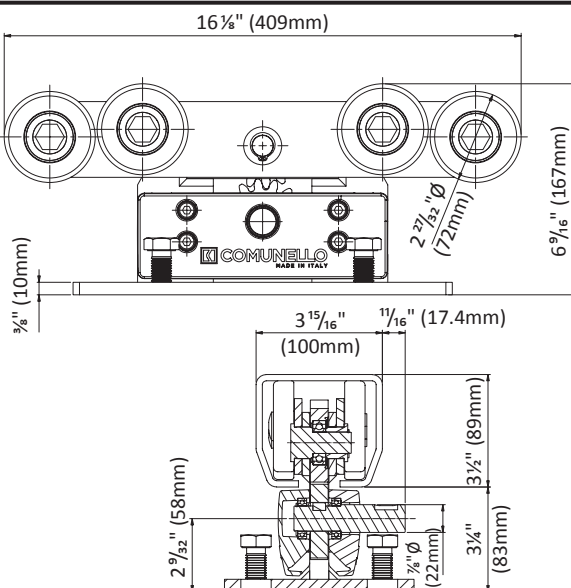
Position the template guide between two pieces of gear rack and tighten the locking screw. The gear rack teeth are registered and spaced correctly as the guide is tightened into place. After locking the second guide at the far end of the gear rack, use the pre-drilled gear rack as a guide to continue drilling mounting holes in the track.

## The Integrator Specifications

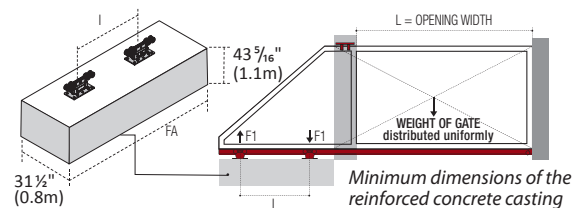
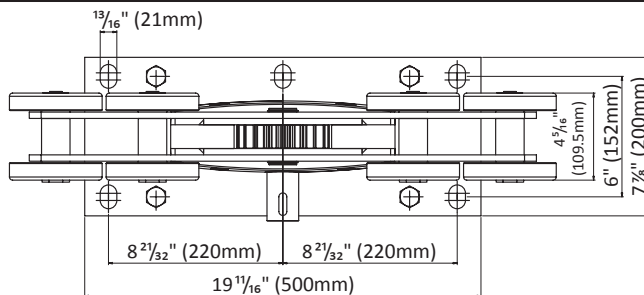
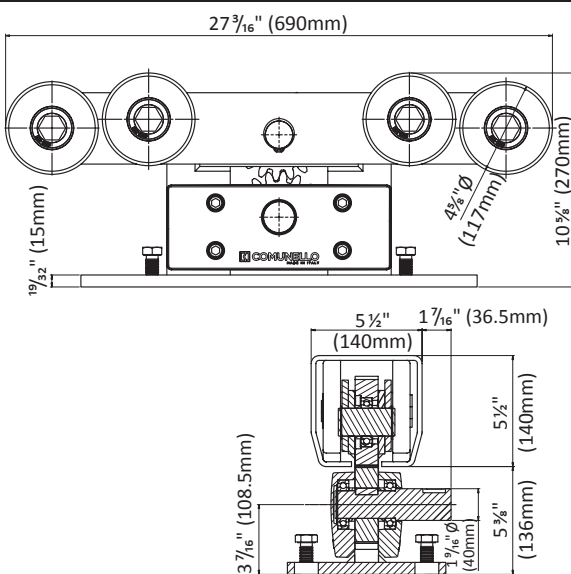
CGS-500.8M



CGS-500.8P



CGS-500.8G



## CGS-500.8M (F1max=1100 Lbs)

	L=6'7"		L=9'10"		L=13'2"		L=16'5"		L=19'8"		L=23'	
Weight (Lbs)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)
220	48	20	60	32	67	40	79	52	91	60	99	71
330	48	20	60	32	67	40	79	52	91	60	99	71
440	48	20	60	32	67	40	79	52	91	60	99	71
550	48	20	60	32	67	40	79	52	91	60	99	71
660	48	20	60	32	67	40	79	52	91	60	99	71
770	52	24	60	32	67	40	79	52	91	63	103	75
880	56	28	67	40	79	52	91	63	103	75	115	87
990	60	32	71	44	87	60	103	75	119	91	134	107
1100	67	40	83	56	99	71	115	87	134	107	154	126

## CGS-500.8P (F1max=1760 Lbs)

	L=9'10"		L=13'2"		L=16'5"		L=19'8"		L=23'		L=26'3"	
Weight (Lbs)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)
220	60	32	67	40	79	52	87	60	99	71	107	79
330	60	32	67	40	79	52	87	60	99	71	107	79
440	60	32	67	40	79	52	87	60	99	71	107	79
550	60	32	67	40	79	52	87	60	99	71	107	79
660	60	32	67	40	79	52	87	60	99	71	107	79
770	60	32	67	40	79	52	87	60	99	71	107	79
880	60	32	67	40	79	52	87	60	99	71	107	79
990	60	32	67	40	79	52	87	60	99	71	107	79
1100	60	32	67	40	79	52	87	60	99	71	107	79
1210	60	32	67	40	79	52	87	60	99	71	111	83
1320	63	36	71	44	83	56	95	67	107	79	119	91
1430	67	40	79	52	91	63	103	75	119	91	130	103
1540	71	44	83	56	99	71	111	83	126	99	142	115
1650	75	48	91	63	107	79	123	95	138	111	154	126
1760	79	52	95	67	115	87	130	103	150	123	170	142

## CGS-500.8G (F1max=2640 Lbs)

	L=26'3"		L=29'6"		L=32'10"		L=36'1"		L=39'4"		L=42'8"		L=45'11"		L=49'3"		L=52'6"	
Weight (Lbs)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)	FA (in)	I (in)
1100	115	79	126	91	134	99	146	111	154	119	166	130	174	138	186	150	193	158
1210	115	79	126	91	134	99	146	111	154	119	166	130	174	138	186	150	193	158
1320	115	79	126	91	134	99	146	111	154	119	166	130	174	138	186	150	193	158
1430	115	79	126	91	134	99	146	111	154	119	166	130	174	138	186	150	193	158
1540	115	79	126	91	134	99	146	111	154	119	166	130	174	138	186	150	193	158
1650	115	79	126	91	134	99	146	111	154	119	166	130	174	138	186	150	193	158
1760	115	79	126	91	134	99	146	111	154	119	166	130	174	138	186	150	193	158
1870	115	79	126	91	134	99	146	111	154	119	166	130	174	138	186	150	193	158
1980	115	79	126	91	134	99	146	111	154	119	166	130	174	138	186	150	193	158
2090	115	79	126	91	134	99	146	111	154	119	166	130	174	138	186	150	201	166
2200	115	79	126	91	134	99	146	111	158	123	170	134	182	146	197	162	209	174
2310	115	79	126	91	138	103	150	115	162	126	178	142	189	154	205	170	221	186
2420	119	83	130	95	146	111	158	123	170	134	186	150	201	166	217	182	233	197
2530	126	91	138	103	150	115	166	130	178	142	193	158	209	174	225	189	245	209
2640	130	95	142	107	158	123	170	134	186	150	201	166	221	186	237	201	256	221



This Ohio company was looking for a way to secure their construction yard. They chose the DuraGates Integrator Model CGS-500.8P since the gear rack and drive pinion are not exposed on the outside of the gate. The gear rack is conveniently installed inside the track and the drive pinion comes installed inside the carriage.



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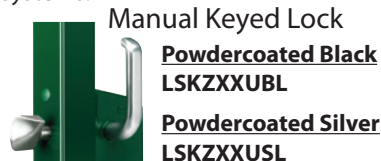
Our selection of access control devices, driveway loops, safety edges and photocells will work along side your operator to ensure a properly functioning gate.



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## SLIDING GATE LOCKS

Slide gate lock for manual sliding gates with aluminum housing and stainless steel mechanism. Catch bolts are available to fit gate frame profiles from 1-1/2" to 4" wide. Works with cantilever gate systems or fixed roller systems.



Manual Keyed Lock

**Powdercoated Black**  
**LSKZXXUBL**

**Powdercoated Silver**  
**LSKZXXUSL**



Mechanical Code Lock

**Powdercoated Black**  
**LLKZXXVBL**

**Powdercoated Silver**  
**LLKZXXVSL**

Integrated electro magnetic lock, the S-MAG, is the perfect product to lock any type of sliding gate. It has a guaranteed 600 lbs of pulling force and resists extreme weather conditions.



**S-MAG-2500-ZILV** - Silver

**S-MAG-2500-9005** - Black

For mounting on square posts and gate profiles of 1-1/2" to 3-1/8", 600 lbs. pulling force