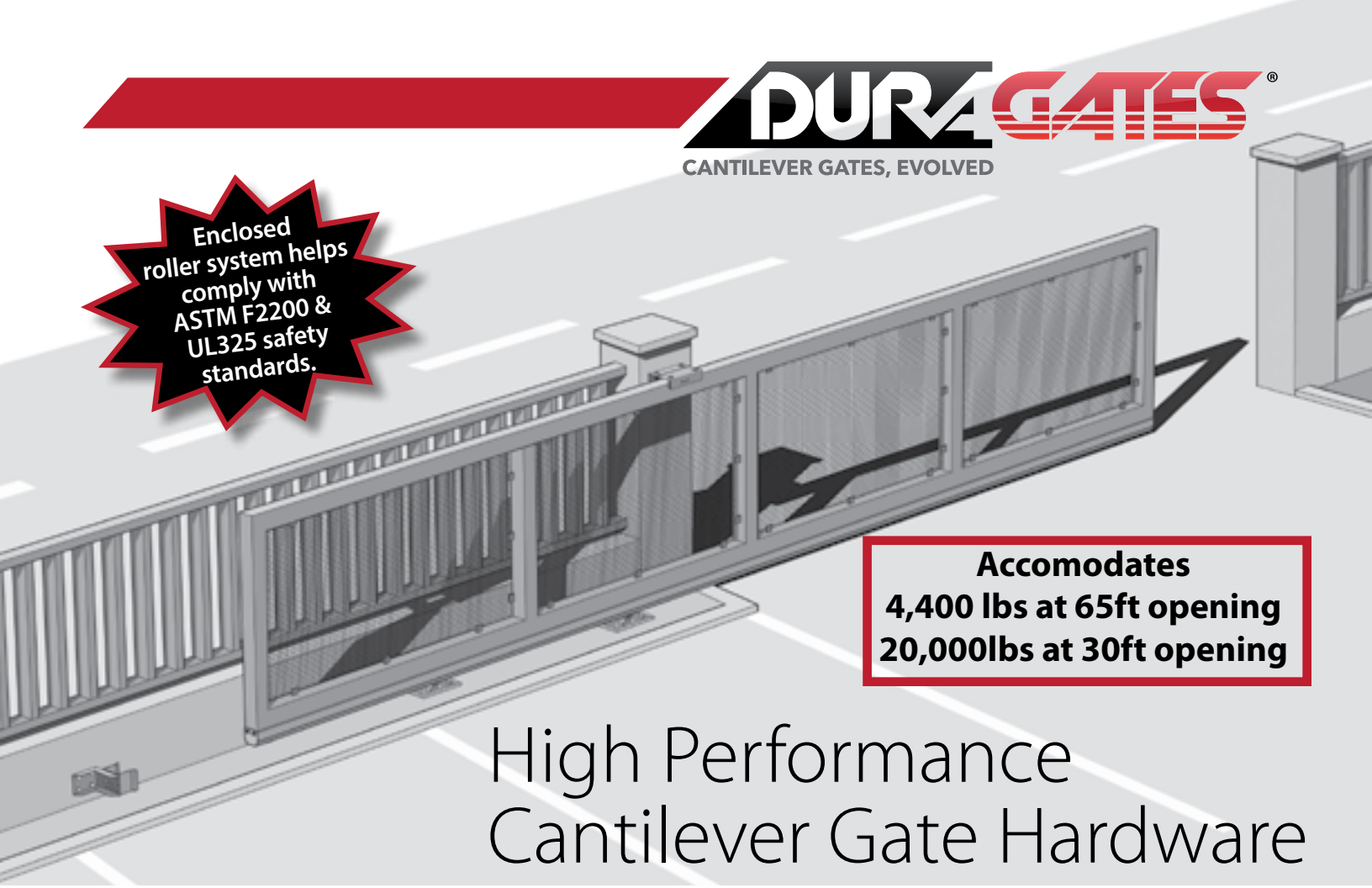
DURAGATES®

CANTILEVER GATES, EVOLVED

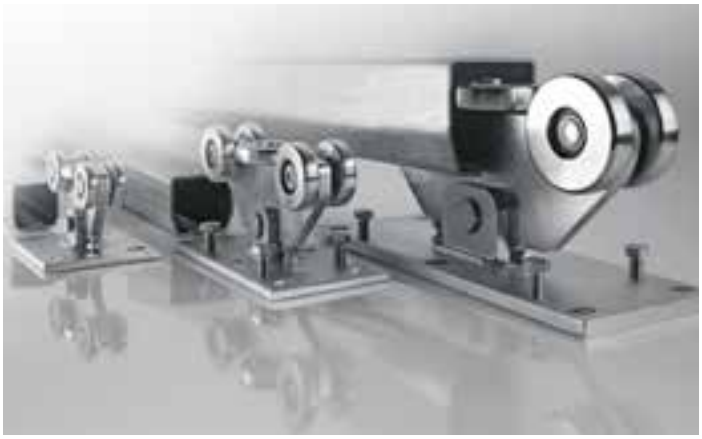
Enclosed roller system helps comply with ASTM F2200 & UL325 safety standards.



Accomodates
4,400 lbs at 65ft opening
20,000lbs at 30ft opening

High Performance Cantilever Gate Hardware

Manufactured by COMUNELLOGATE



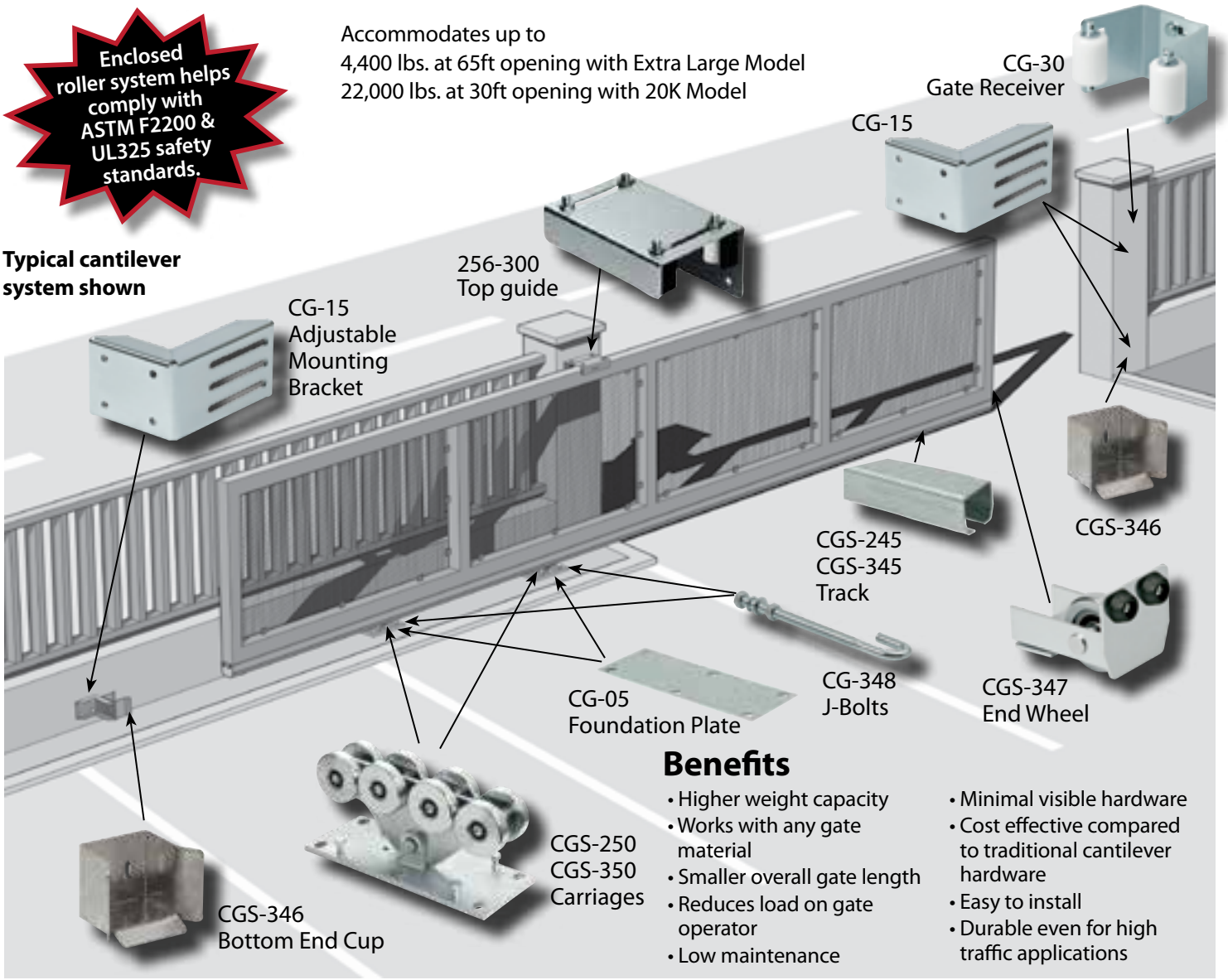
Scan code to watch video

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.**

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

Accommodates up to
4,400 lbs. at 65ft opening with Extra Large Model
22,000 lbs. at 30ft opening with 20K Model

Typical cantilever system shown



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

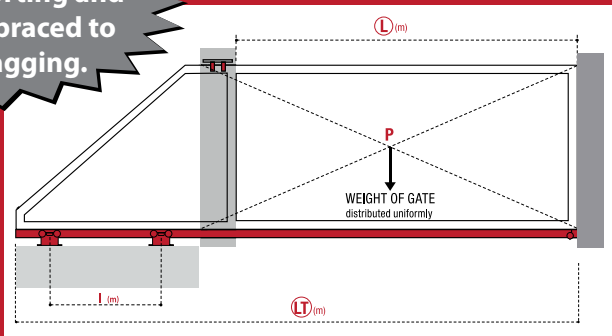
NOTE: WE ONLY SUPPLY THE HARDWARE, NOT THE GATE ITSELF

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

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



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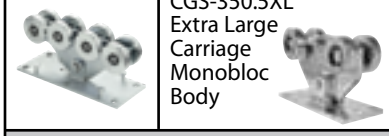
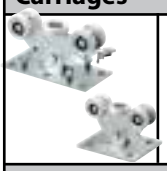
	GALVANIZED STEEL TRACK					
MODEL	**CGS-350.5XL**	**CGS-350.8G**	**CGS-350.8P**	**CGS-250.8P**	**CGS-250.8M**	**CGS-KIT150**
Opening & Weight Range	**30 ft. up to 7700 lbs. 65 ft. up to 4400 lbs.**	**16 ft. up to 4000 lbs. 60 ft. up to 1800 lbs.**	**10 ft. up to 1700 lbs. 26 ft. up to 1000 lbs.**	**8 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	**Included in Kit:** 2x CGS-150.5M Mini 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-345P Large Galvanized Track 4" W x 3½" H	CGS-245P Large Galvanized Track 4" W x 3½" H	CGS-245M Small Galvanized Track 2¾" W x 2¾" H	CGS-245M Small Galvanized Track: 1x 19'8" **OR** 3x 6'6"
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	1x CGS-347M End wheel
2x 	Not Available	CG-21G End Stopper without wheel for UL325 Compliance	CG-21P End Stopper without wheel for UL325 Compliance	CG-21P End Stopper without wheel for UL325 Compliance	CG-21M End Stopper without wheel for UL325 Compliance	1x CGS-346M Bottom end cup
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 255-220-C Top Guide with roller covers
1x 	CG-30G Gate Receiver 4" to 6"	CG-30G Gate Receiver 4" to 6"	CG-30P Gate Receiver 3-3/8" to 4-1/2"	CG-30P Gate Receiver 3-3/8" to 4-1/2"	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" **8x**	
2x 	CG-05G Foundation Plate	CG-05G Foundation Plate	CG-05P Foundation Plate	CG-05P Foundation Plate	CG-05P Foundation Plate	

Aberdeen Gates, Weatherford, TX installed a security gate at a local Ford dealer. Model CGS-350.8P was used since the gate opening was large and the gate itself was quite heavy. The gate is fully automated.

This sliding gate, fabricated by Peter at Red Star Ironworks, is the epitome of a gate from a fairytale. The gate provides a grand entrance to the wooded drive leading to the resident's home. The Duragates hardware is virtually invisible drawing the eye to the beautiful stained glass floral design on the main gate. The gate was not heavy so model CGS-250.8M was used. Since the flowers of the gate extend past the frame, an ordinary top guide could not be used. Instead the monorail and a small roller keep the gate steady. This monorail can be seen if one looks closely toward the bottom of the gate.

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

	ALUMINUM TRACK		
MODEL	**CGA-350.5P**	**CGA-350.5M**	**CGA-KIT150**
Opening & Weight Range	**20 ft. up to 700 lbs. 30 ft. up to 400 lbs.**	**10 ft. up to 550 lbs. 16 ft. up to 300 lbs.**	**8 ft. up to 440 lbs. 13 ft. up to 220 lbs.**
Carriages			
	CGA-350.5P Large Carriage Monobloc Body Nylon Wheels	CGA-350.5M Small Carriage Monobloc Body Nylon Wheels	
Tracks available in 9'10" or 19'8" lengths			
	CGA-345P Large Aluminum Track $4\,^{3}/_{16}$" W x $4\,^{1}/_{32}$" H	CGA-345M Small Aluminum Track 3¼" W x 3⅛" H	
Accessories			
2x 	CGA-347P End Wheel for UL325 Compliance	CGA-347M End Wheel for UL325 Compliance	
2x 	CGA-20P End Stopper without wheel for UL325 Compliance	CGA-20M End Stopper without wheel for UL325 Compliance	
1x 	CGS-346P Bottom End Cup	CGA-346M Bottom End Cup	
1x 	CG-30P Gate Receiver 3-3/8" to 4-1/2"	CG-30M Gate Receiver 2" to 3"	
2x 	CG-15P Adjustable Mounting Bracket	CG-15M Adjustable Mounting Bracket	
Anchoring and Installation Accessories			
12x 	CG-348-M16 J-Bolt, Galvanized M16 x 15"	CG-348-M16 J-Bolt, Galvanized M16 x 15" **8x**	
2x 	CG-05P or CGI-05P Foundation Plate	CG-05P or CGI-05P Foundation Plate	

Included in Kit:

2x CGA-150.5M
Mini Carriage
Multiplate Body

CGA-345M Small Aluminum Track:
1x 19'8"
OR
3x 6'6"

1x CGA-347M
End wheel

1x CGA-346M
Bottom end cup

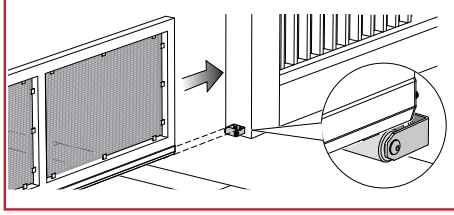
1x 255-220-C
Top Guide with roller covers

VISIT **duragates.com**

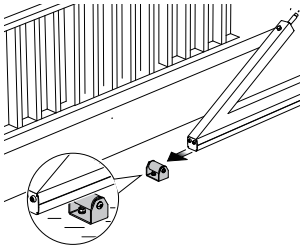
- **Browse models**
- **Read FAQs**
- **View the project gallery**
- **Request a quote**
- **Download**
  - **CAD drawings**
  - **Spec sheets**
  - **Installation Instructions**

OPTIONAL RECEIVING AND SUPPORT OPTIONS

Lower gate receiver with nylon roller
CG-25M - 3⅛" wide
CG-25P - 4⅞" wide
CG-25G - 6⅜" wide



Support roller for back end of gate
CG-35P - 4⅞" wide
CG-35G - 6⅜" wide



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TOP GUIDE OPTIONS

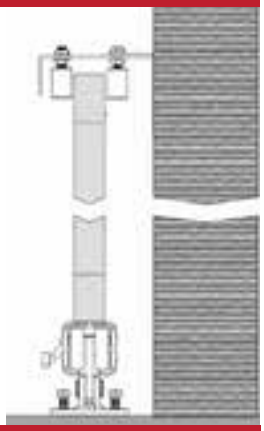
Adjustable Guiding Plate with roller covers to avoid pinch points.

255-220-C
For up to 2⅜" frame

256-220
For up to 3" frames

256-300
For up to 4½" frames

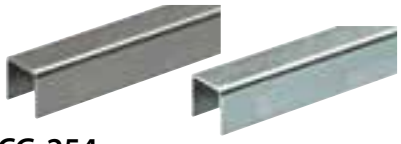
CGI-251
Stainless steel
For up to 2½ - 4" frames



SIDE MOUNT GUIDE OPTIONS

Use for gates with an arched top or protruding pickets.

Galvanized & Aluminum Guide Rail



CG-254
Galvanized 1½" I.D. U-Channel, 9'10"

RG-387-19.68FT
RG-387-9.84FT
Galvanized 1¼" I.D. U-Channel

CG-237-20FT
CG-237-10FT
Aluminum 1¼" I.D. U-Channel

253-40
10" Side Roller
1-1/4" dia.
2" clearance
Use 2 per gate min.

CG-252-30
Single Roller
1¼" dia.

CG-252
Single Roller
1½" dia.
(Use with CG-254)

258-30
Double Roller
1¼" dia.

Non Marring Rubber Rollers
2-1/4" dia.
NR3 - 3" Roller
NR6 - 6" Roller

Rubber Rollers
2-3/8" dia.
RR3 - 3" Roller
RR6 - 6" Roller
RR12 - 12" Roller

NYLON REPLACEMENT ROLLERS

230-30
1-1/4" dia. (30mm)

230-40
1-1/2" dia. (39mm)

GATE STOPS

201
Gate stop with triple function. Mounted via screws. 5-3/16" high.

202
Runaway gate stop. Mounted via screws. 4-3/4" high.

202F-A
Damped runaway gate stop. Mounted via screws. 4-3/16" high.

202F-B
Adjustable gate stop. Slot to accommodate up to a 2-1/2" gate frame. mounted via screws. 5-1/8" high.

CGI-40-2IN - Tension Bar

The tension bar is used for minor adjustment of gate sag and for vertical alignment in the closed position

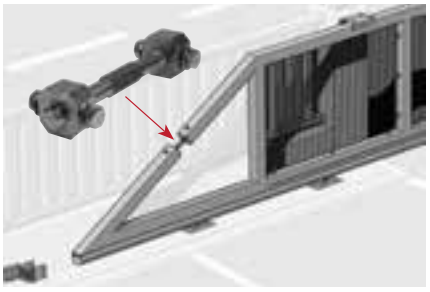
The tension bar is machined from stainless steel and fits 2" square tubing and 2-3/8" round pipe. The tension bar's turnbuckle action allows you to raise and lower the nose of the gate easily by turning the tension bar on the installed gate.

The tension bar is recommended for all cantilever gates: bottom track, top track, and those using gate rollers.

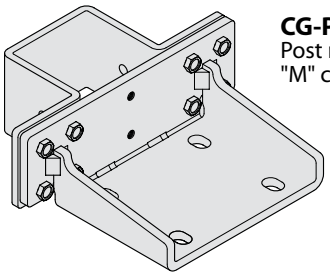
For double gates it simplifies aligning the tops of the gates where they meet in the center.

For long gates where gate sag becomes exaggerated it provides an easy method to compensate for the sag.

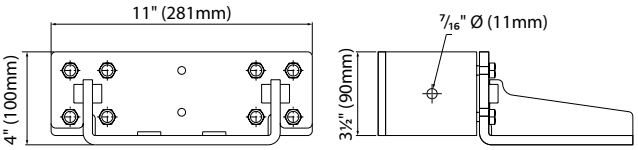
For all gates the tension bar gives the gate adjustability for sag and alignment over the life span of the gate.

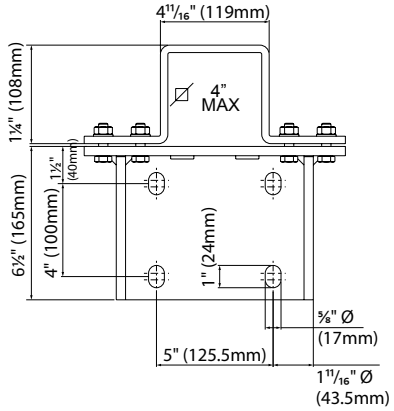


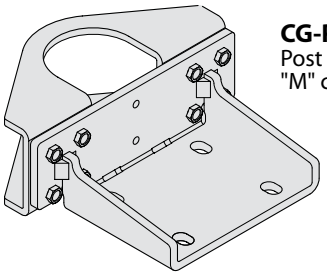
POST MOUNT BRACKETS FOR MINI AND SMALL "M" CARRIAGES



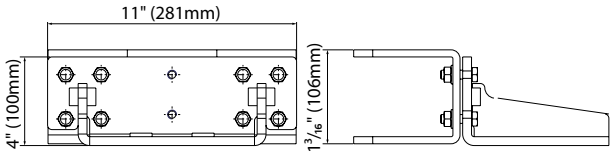
CG-PBSM
Post mount bracket for the mini and small "M" carriages. Use with 4" square tubing.

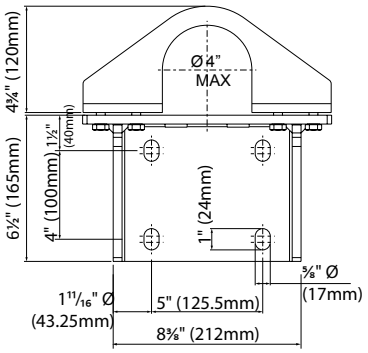


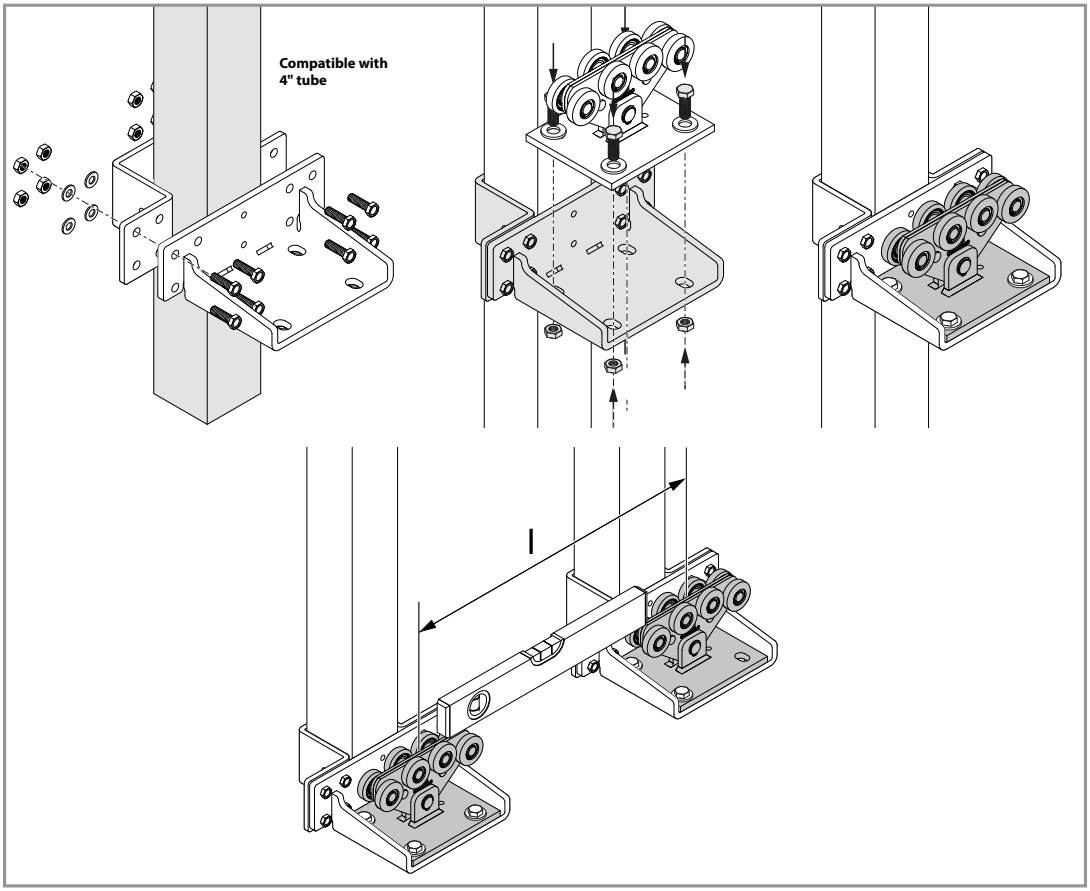




CG-PBRM
Post mount bracket for the mini and small "M" carriages. Use with 4" round tubing.







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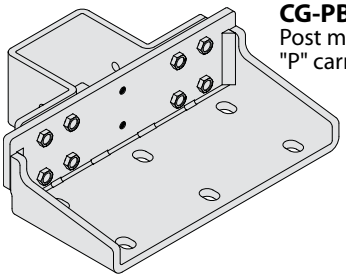
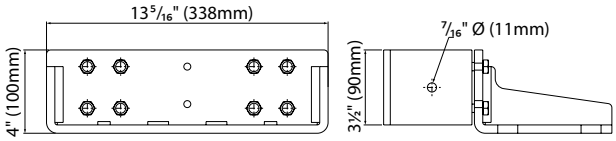
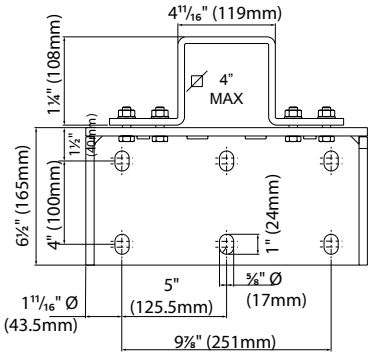
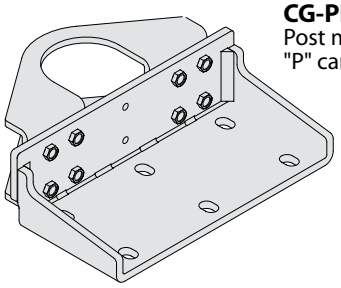
POST MOUNT BRACKETS FOR LARGE "P" CARRIAGES



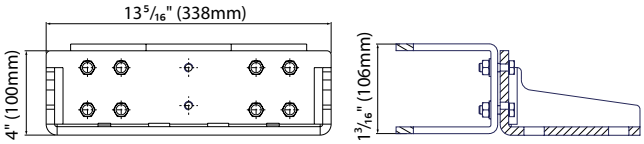
CG-PBSP
Post mount bracket for the large
"P" carriages. Use with 4" square tubing.

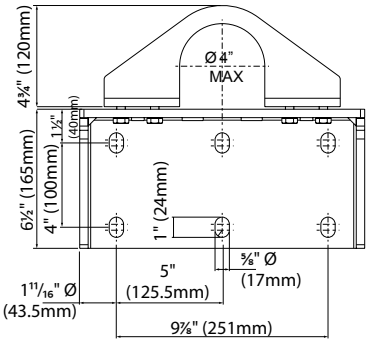


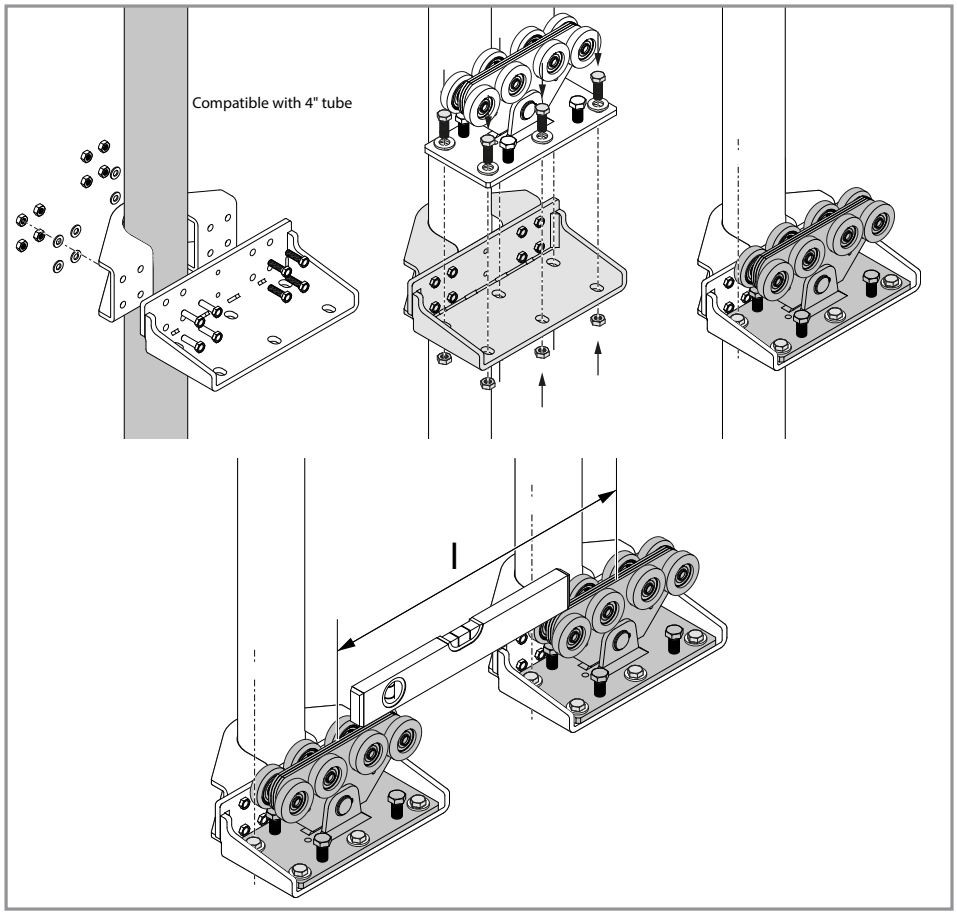




CG-PBRP
Post mount bracket for the large
"P" carriages. Use with 4" round tubing.







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

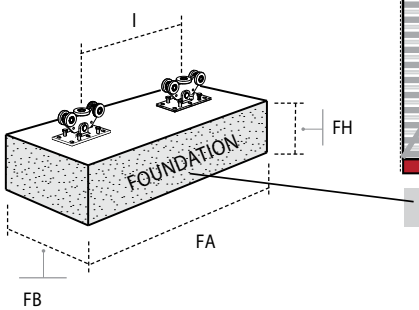
CGS-495-20K
Raw steel track
8" x 8" x 1/2" thick

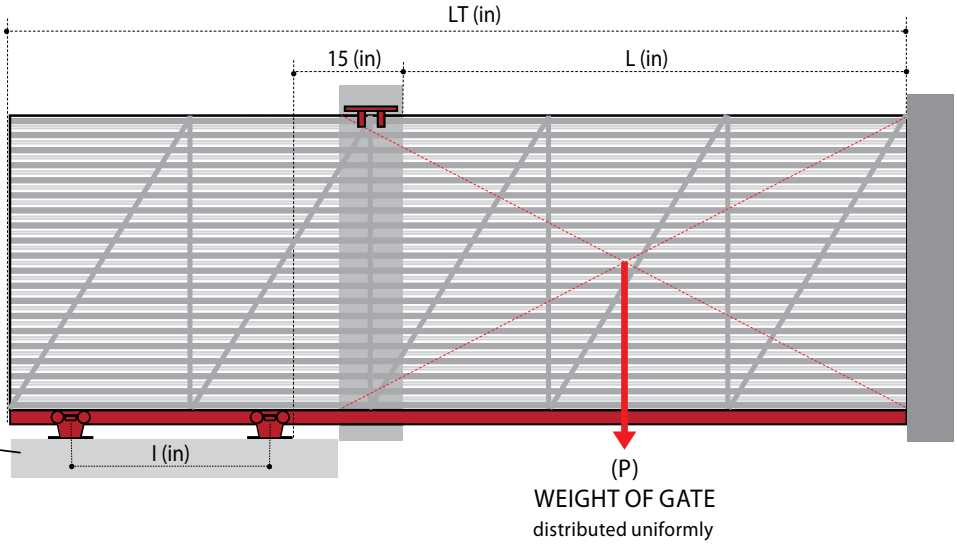
CGS-496-20K
Galvanized
bottom end cup

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.





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GALVANIZED STEEL TRACK

MODEL	TYPICAL GATE		INCLUDES	GATE RANGE
CGS-KIT150	GATE OPENING: WEIGHT OF OPENING: TOTAL GATE LENGTH:	12FT 300LB 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: WEIGHT OF OPENING: TOTAL GATE LENGTH:	16FT 600LB 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: WEIGHT OF OPENING: TOTAL GATE LENGTH:	18FT 800LB 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: WEIGHT OF OPENING: TOTAL GATE LENGTH:	24FT 1200LB 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: WEIGHT OF OPENING: TOTAL GATE LENGTH:	30FT 1800LB 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: WEIGHT OF OPENING: TOTAL GATE LENGTH:	30FT 3800LB 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-KIT150	GATE OPENING: WEIGHT OF OPENING: TOTAL GATE LENGTH:	13FT 220LB 17FT	20ft of track, 2 carriages, 1 end cups, 1 end wheels, 1 top guide plate	*8 ft at 400 lbs* *13 ft at 220 lbs*
CGA-350.5M	GATE OPENING: WEIGHT OF OPENING: TOTAL GATE LENGTH:	16FT 300LB 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: WEIGHT OF OPENING: TOTAL GATE LENGTH:	24FT 600LB 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: WEIGHT OF OPENING: TOTAL GATE LENGTH:	20FT 300LB 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.

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

IS THIS PROJECT?
☐ A new gate
☐ Existing Gate / Retrofit

Approx. date hardware need_____

1 MATERIAL OF THE GATE (OR FRAME)
☐ Steel ☐ Wood
☐ Aluminum ☐ PVC
☐ Chain Link
☐ Stainless Steel

DURAGATES TRACK MATERIAL REQUIRED
☐ Galvanized Steel
☐ Aluminum
☐ Stainless Steel

GATE FRAME SIZE
☐ 1-1/2" ☐ Square
☐ 2" ☐ Round
☐ 2-1/2"
☐ Other
_____

2 OPENING WIDTH
Typically the post to post measurement L = _____ ft. / in.

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 = _____ lbs.
Full gate weight_____ lbs.
Assumed gate length_____ ft. / in.

4 OPTIMIZE FOR MINIMUM TAIL LENGTH OR COST?
- 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.

OPTIMIZE FOR:
☐ Minimum tail length
☐ Lowest hardware cost

_____ ft. / in.

5 IS GATE FLAT ON TOP?
☐ Yes
☐ No_____

6 GUIDE PREFERENCE
☐ Upper Top Guide
☐ U-Channel w/ Guide Rollers

7 IS GATE AUTOMATION NEEDED?
☐ Yes
☐ No_____

8 GATE LOCK OPTIONS
Manually Operated Gate
☐ Key Operated Lock
☐ Mechanical Code Lock

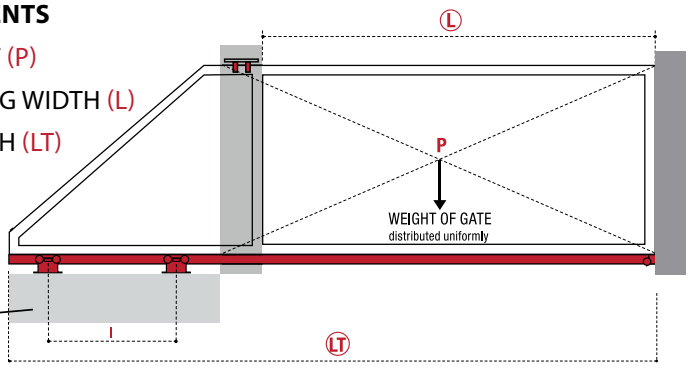
Automated Gate
☐ Mag Lock

☐ NO LOCK

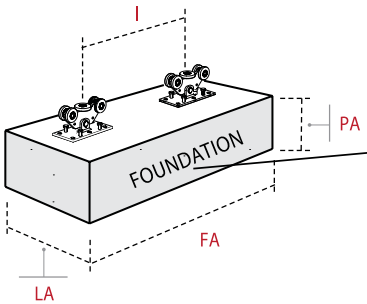
9 GATE AUTOMATION / DRIVE SYSTEM
☐ Standard Duragates Carriages

☐ Integrator (internal drive) Carriages

MEASUREMENTS
GATE WEIGHT (P)
GATE OPENING WIDTH (L)
TOTAL LENGTH (LT)



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



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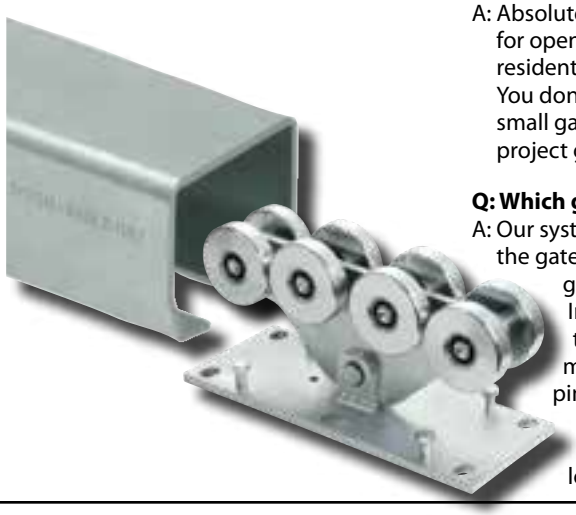
Frequently Asked Questions

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.

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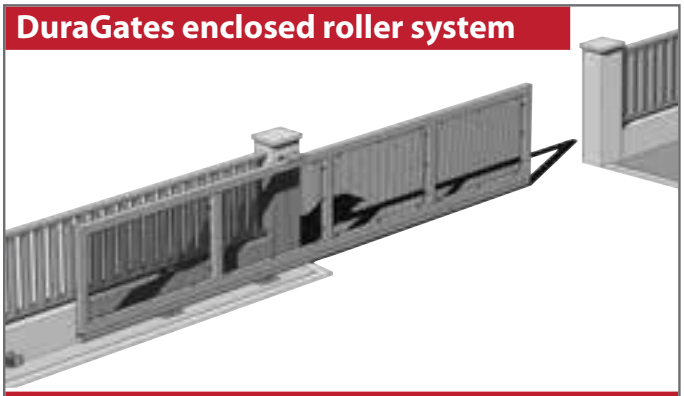
WHY CHOOSE DURAGATES OVER OTHER SLIDING/ROLLING GATE SYSTEMS?

DuraGates enclosed roller system



Benefits of using DuraGates Hardware!

- **Higher Weight Capacity**
  With the weight of the gate transferred to the ground, gate openings of up to 65 ft.& 17,000 lbs. or 30-feet & 20,000 lbs. can be accommodated.
- **Enclosed Track**
  Enclosed track system helps comply with ASTM F2200 & UL325 safety standards. DuraGates hardware is perfect for snowy, icy, rainy… any environment as the rollers are enclosed inside the track and not affected by precipitation, eliminating the need for constant cleaning and maintenance.
- **Use with any Gate Material**
  The gate can be welded, bolted, or mechanically attached to the bottom track.
- **Smaller Overall Gate Length**
  The counterbalance is shorter 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 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 requires NO lubrication. The sealed bearings stand up to dusty environments where grit would eat up non-sealed bearing designs.
- **Minimal Visible Hardware**
  DuraGates requires no wires or overhead track and makes for a more aesthetically pleasing gate system. DuraGates bottom track hardware can be used with arched top rolling gates and allows for greater flexibility in gate design. Automated gates can also have the gear racked mounted inside the bottom track.
- **Unobstructed Driveway**
  No track on the ground to trip over and will also work with sloping driveways as the gate travels 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. When open, the track has potential to be in the way of snow plowing. Rollers can freeze up and no longer slide smoothly.

Overhead track systems

Pros:
- A closed roller system can sometimes prevent snow and ice from impeding the rolling action of the gate.

Cons:
- Bearings in these systems are not typically sealed, requiring more maintenance and grease to keep the bearings within the trucks running smoothly. Grease will accumulate grit, especially in dusty environments and requires constant cleaning to maintain smooth gate action.
- Overhead systems do not usually work well with ornamental gates as the required track looks very industrial if not hidden by the gate.
- Arched top gates are not an option.
- Gate weight is constantly pulling down on the track resulting in limited weight capacity.

Chainlink exposed-roller systems

Pros:
- Economical: As this system uses the bottom pipe of the chainlink gate there is no track to purchase, only the rollers to support and guide the gate.

Cons:
- These gate have little aesthetic appeal, and typically only used in industrial applications.
- The gate can get very dirty from the wheel lubrication spreading along the gate frame.
- These gates typically have the least smooth action.
- The rollers are exposed and require constant cleaning.
- Gate requires a minimum 50% counter balance (tail section).

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An office building in Pennsylvania wanted a fence and small gate to allow access to their building. Ebinger Ironworks suggested our cantilever sliding gate hardware since there was no room for a swinging gate.

You will see in the pictures that the carriages are secured to a long steel plate since the carriages could not be fastened to the patio blocks. The plate is then fastened to the posts that make the frame of the gate.

Duragates hardware complies with ASTM F2200 & UL325 safety standards as the carriages are inside the track so there are no pinch points. The upper guide also has roller covers to protect fingers from getting trapped in the rollers.

This residential gate in Seattle, Washington uses our CGS-KIT150. This cantilever kit was perfect for the 12 foot opening since the gate weighed only 300 pounds. The wooden framed gate is used to close off a backyard patio that is close to a road.

Scan the QR code to view more Duragates projects.

A swing gate on this porch was not feasible. If the gate were to swing either in or out it would interfere with the porch and steps making it difficult to move around.

Duragates, galvanized steel track model CGS-250.8M, was the perfect choice as the tail end is short and the carriages are off to the side allowing the focus to be on the decorative gate itself. To secure the gate, a mechanical code sliding gate lock by Locinox has been used. Another added convenience...no keys for the homeowner to worry about.

Thank you to John, at Signature Quality Landscape in Seattle, Washington, for sharing his sliding gate project with us.

This highly ornamental steel gate spans an opening of over 30ft. and was fabricated by Emerald Ironworks, Inc. The short fence along the property made it challenging to use traditional sliding gate hardware as it would be visible from the front.

With Duragates hardware you don't need any weight on the counterbalance as the carriages take the entire load.

Hence, the fabricator was able to build a short tail to the gate so that it is not visible from the front of the property.

Island Steel & Detailing Corporation did a fantastic job fabricating and installing two large gates using our DuraGates sliding gate hardware at the Spring Street Salt Shed on the Manhattan waterfront.

The two rollings gates, 40 feet/3200 pounds and 26 feet/2200 pounds, use our largest steel model, the CGS-350.8G, which can accommodate an opening up to 59 feet and a weight of 4000 pounds. Even though the gate hardware is large, it is barely visible making the gate an attractive addition to the outside of the building.

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