

High Performance Cantilever Gate Hardware





Manufactured by



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.**

CG-30G Shown: 350.8G Professional Range CG-15G Accommodates up to 4400 lbs. at 65ft opening with Grande Model 7000 lbs. at 30ft opening with XL Model 256-300 CG-15G CGS-346G CGS- 345G CG-348-M20 CGS-347G **Benefits** Higher weight capacity Cost effective compared to traditional cantilever · Works with any gate material CGS-346G hardware Smaller overall gate length • Easy to install Reduces load on gate operator • Durable even for high traffic I ow maintenance CGS-350.8G applications • Minimal visible hardware **NOTE: WE ONLY SUPPLY** The gate itself must

be self supporting and

adequately braced to

prevent sagging.

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

Call us at : 800-784-7444

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

T: 800.784.7444 + T: 908.757.2323 + F: 908.757.3439 INFO@DURAGATES.COM + DURAGATES.COM



(**L**)(m)

WEIGHT OF GATE

Model	CGS - 350.5XL	CGS - 350.8G	CGS - 350.8P	CGS - 250.8P	CGS - 250.8M	CGS - KIT150
Opening &	30 ft. up to 7700 lbs.	16 ft. up to 4000 lbs.	10 ft. up to 1700 lbs.	8 ft. up to 1300 lbs.	8 ft. up to 900 lbs	s. 8 ft. up to 660 lbs.
Weight Range	65 ft. up to 4400 lbs.	60 ft. up to 1800 lbs.	26 ft. up to 1000 lbs.	19 ft. up to 800 lbs.	14 ft. up to 500 ll	bs. 13 ft. up to 330 lbs.
Carriages			1	1		Les also de al ins 1/24.
0.01010	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 Bod	2 CGS-150.5M Mini Carriage Multiplate Body
Tracks availa	able in 9'10" or 19'8"	lengths		•		1 CGS-245M
	CGS-345XL Extra Large 7½" 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 Tra 2¾" W x 2¾" H	ICK 1 CGS-347M End wheel
Accessories		-				1 CGS-346M
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 Complia	Bottom end cup ance 1 255-220
^{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 Cu	Top Guide with roller covers
^{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"	10 m
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 Brac	.ket
Anchoring a	nd Installation Acces	sories				
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, Galvaniz M16 x 15" 8	zed 3x
2x		CG-05G Foundation Plate	CG-05P Foundation Plate	CG-05P Foundation Plate		
TOP G	UIDE OPTION	s sid	E MOUNT G	UIDE OPTIO	NS co	
Adjustable G covers to ave	Suiding Plate with rolle oid pinch points.	er USE FOR GA	TES WITH AN ARCHE Galvaniz CG-254	D TOP OR PROTRUDIN ed & Aluminum Gu	IG PICKETS Fits ide Rail US. With Us of	nsion Bar - Stainless Steel s 50mm metric tubing A 2½" sq. min. (shimmed) th turnbuckle action se for minor adjustment gate sag
	For up to 2%" f	rame nes	RG-387 Galvaniz RG-387 Galvaniz Galvaniz CG-237 Aluminu	-19.68FT zed 1¼" U-Channe -9.84FT zed 1¼" U-Channe 1¼" U-Channe	19'0 19'8" 9'10" 20'	al las
	256-300 For up to 4½" fra CGI-251 Stainless steel For up to 2½ - 4" frames	ames 253 10" Side Ro 1¼" dia. 2" clearanc Use 2 per g	e ate min. 230-40 Nylon Repla	3-30 uble Roller dia.		

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DURA CATES

	STAINLESS TRACK
Model	CGI-350.5P
Opening & Weight Range	13 ft. up to 700 lbs. 26 ft. up to 400 lbs.
Carriages	
0000	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-30M Gate Receiver 2" to 3"
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 TRACKCGA - 350.5PCGA - 350.5M20 ft. up to 700 lbs. 30 ft. up to 400 lbs.10 ft. up to 550 lbs. 16 ft. up to 300 lbs.WheelsCGA-350.5P Large Carriage Monobloc Body Nylon WheelsCGA-350.5M Small Carriage Monobloc Body Nylon Wheels10" or 19'8" lengthsCGA-345M Small Aluminum Track										
Model	CGA - 350.5P	CGA - 350.5M									
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.									
Carriages with Nylon	Wheels										
0.00	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	5									
	CGA-345P Large Aluminum Track 4 ³ / ₁₆ " W x 4 ¹ / ₃₂ " H	CGA-345M Small Aluminum Track 3¼" W x 3¼" H									
Accessories											
2x	CGA-347P End Wheel for UL325 Compliance	CGA-347M End Wheel for UL325 Compliance									
1x	CGS-346P Bottom End Cup	CGA-346M Bottom End Cup									
1x	CG-30M Gate Receiver 2" to 3"	CG-30M Gate Receiver 2" to 3									
2x	CG-15P Adjustable Mounting Bracket	CG-15M Adjustable Mounting Bracket									
Anchoring and Insta	llation Accessories										
12x	CG-348-M16 J-Bolt, Galvanized M16 x 15"	CG-348-M16 J-Bolt, Galvanized M16 x 15" 8x									
2x	CG-05P Foundation Plate										

SLIDE GATE AUTOMATION



SLIDING GATE LOCKS

We offer a full range of gate openers that are perfect for residential, commercial and industrial applications.



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

Let us help you configure your project today. For more information call **800-784-7444** or visit **locks4gates.com** to get started.



		GALV	ANIZED STEEL TRACK	
MODEL	TYPICAL GATE		INCLUDES	<u>GATE</u> RANGE
CGS-KIT150	GATE OPENING:	12FT	20ft of track, 2 carriages, 1 end cup,	8 ft at 660 lbs
	WEIGHT OF OPENING: TOTAL GATE LENGTH:	300LB 18FT	1 end wheel, and 1 top guide plate	13 ft at 330 lbs
CGS-250.8M	GATE OPENING:	16FT	30ft of track, 2 carriages, 2 end cups,	8 ft at 900 lbs
	WEIGHT OF OPENING:	600LB	2 end wheels, 1 top guide plate and 8 J-bolts	14 ft at 500 lbs
	TOTAL GATE LENGTH:	22FT		
CGS-250.8P	GATE OPENING:	18FT	30ft of track, 2 carriages, 2 foundation plates,	8 ft at 1300 lbs
	WEIGHT OF OPENING:	800LB	2 end cups, 2 end wheels,	19 ft at 800 lbs
	TOTAL GATE LENGTH:	24FT	1 top guide plate and 12 J-bolts	
CGS-350.8P	GATE OPENING:	24FT	40ft of track, 2 carriages, 2 foundation plates,	10 ft at 1700 lbs
	WEIGHT OF OPENING:	1200LB	2 end cups, 2 end wheels,	26 ft at 1000 lbs
	TOTAL GATE LENGTH:	33FT	1 top guide plate and 12 J-bolts	
CGS-350.8G	GATE OPENING:	30FT	40ft of track, 2 carriages, 2 foundation plates,	16 ft at 4000 lbs
	WEIGHT OF OPENING:	1800LB	2 end cups, 2 end wheels,	60 ft at 1800 lbs
	TOTAL GATE LENGTH:	39FT	1 top guide plate and 12 J-bolts	
CGS-350.5XL	GATE OPENING:	30FT	40ft of track, 2 carriages,	30 ft at 7700 lbs
	WEIGHT OF OPENING:	3800LB	1 top guide plate and 12 J-bolts	65 ft at 4400 lbs
	TOTAL GATE LENGTH:	40FT		
		A	LUMINUM TRACK	
MODEL	TYPICAL GATE		INCLUDES	<u>GATE</u> RANGE
CGA-350.5M	GATE OPENING:	16FT	30ft of track, 2 carriages, 2 end cups,	10 ft at 550 lbs
	WEIGHT OF OPENING:	300LB	2 end wheels, 1 top guide plate and 8 J-bolts	16 ft at 300 lbs
	TOTAL GATE LENGTH:	21FT		
CGA-350.5P	GATE OPENING:	24FT	40ft of track, 2 carriages, 2 foundation plates,	20 ft at 700 lbs
	WEIGHT OF OPENING:	600LB	2 end cups, 2 end wheels,	30 ft at 400 lbs
	TOTAL GATE LENGTH:	32FT	1 top guide plate and 12 J-bolts	
		S	TAINLESS TRACK	
MODEL	TYPICAL GATE		INCLUDES	<u>GATE</u> RANGE
CGI-350.5P	GATE OPENING:	20FT	30ft of track, 2 carriages, 2 foundation plates,	13 ft at 700 lbs
	WEIGHT OF OPENING:	300LB	2 end cups, 2 end wheels,	26 ft at 400 lbs
		2457		

CALL 800-784-7444 FOR DETAILED GATE CONFIGURATION



CONFIGURATION / QUOTE REQUEST FORM

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.

1	MATERIAL OF THE GATE (OR FRASteelWoodAluminumPVCChain LinkStainless Steel	AME) DURAGATES TRACK MATERIAL REQUIRED Galvanized Steel Aluminum Stainless Steel	GATE FRAME SIZE 1-1/2"				
2	OPENING WIDTH Typically the post to post measure	nent L =	ft. / in.				
3	WEIGHT OF THE GATE "over the	opening" P =	lbs.				
	If the weight is given for the full ga the assumed gate length and label gate weight	te, specify Full gate weight_ it as full Assumed gate len	Ibs. Igthft. / in.				
4	 OPTIMIZE FOR MINIMUM TAIL L OR COST? Often two or more models wil the load, so knowing which is important for the application of to the best result. Space available in "Open" position 	ENGTH OPTIMIZE FOR:	tail length rdware cost ft /in				
5	IS GATE FLAT ON TOP?	6 GATE LOCK OPTIONS	IC. / III. 7 GATE AUTOMATION / DRIVE SYSTEM				
	□ Yes □ No	Manually Operated Gate Key Operated Lock Mechanical Code Lock Automated Gate Mag Lock NO LOCK 	 Standard Carriages Integrator Carriages 				
		MEASUREMENTS	Ĺ .				
F L V C	FOUNDATION LENGTH (LA) WIDTH (FA) DEPTH (PA) NTERAXIS (I)	GATE WEIGHT (P) GATE OPENING WIDTH (L) TOTAL LENGTH (LT)	VEIGHT OF GATE distributed uniformly				



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

Frequently Asked Questions

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

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 troublefree 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.

Chainlink exposed-roller systems

Pros:

• Economical: Because this type of system uses the bottom pipe of the chainlink 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 chainlink 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.



CANTILEVER SLIDING GATE PROJECTS





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.





could not use an ordinary sliding gate.

A custom gate was fabricated on top of the CGS-345P track. The fabricator used 6 of the 10" nylon rollers, 253, so that the arch of the gate is always in contact with the top guide.

DuraGates, since cantilevered off the ground, made this gate possible on a sloping grade where other rolling systems would not work.

DURA GATES



CANTILEVER SLIDING GATE PROJECTS



DuraGates was the perfect solution for this 40ft opening at a commercial facility. The hardware adapted easily to the uneven driveway and the 3 line barbed wire.



Moving wall to separate the Pediatric lobby at Golisano Children's Hospital in Rochester, NY.



Aluminum sliding gate cantilevering over a slope going down to the river!



Vinyl privacy fence in a residential neighborhood.





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

PURA GATES

Automation ready.

Makes the mechanics disappear for a clean simple look.

Comunello quality - DuraGates support!



Manufactured by



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	CG	S-500.8P		CGS-500.8G			
Opening range:	Up to 23 ft.	Up	to 26 ft.		Up to 52 ft.			
Weight:	Up to 1100 lbs.	Up	to 1760 lbs.		Up to 2645 lbs.			
CARRIAGES	CGS-500.8M	CG	S-500.8P		CGS-500.8G			
100	Primary/Secondary 8-Wheel	Prir Car	mary/Secondary rriage Set	y 8-Wheel	Primary/Secondary 8-Wheel			
8.01	• Driven Primary Carriage	• Di	riven Primary Ca	arriage	Driven Primary Carriage			
- Con	Secondary Carriage	۰Se	econdary Carria	ge	Secondary Carriage			
TRACK	CGS-345M	CG	S-345P		CGS-345G			
	Small, galvanized steel	Lar	ge, galvanized s	steel	Grande, galvanized steel			
	19'8" or 9'10" lengths	19'	8" or 9'10" lengt	hs	19'8" or 9'10" lengths			
RACK	CG-50M	CG	-50P		CG-50G			
(11) S.S.	w/Mounting Screws	4 w/l	Nounting Screw	/S	w/Mounting Screws			
					- 			
	Gear rack centering device	Gea	ar rack centering	g device	Gear rack centering device			
	Set of 2 pieces	Set	of 2 pieces		Set of 2 pieces			
	Installation tool to center and align gear rack in track	i insi alic	tallation tool to an dear rack in ti	center and rack	Installation tool to center and align gear rack in track			
	CG-58	CG	-58		CG-58G			
3	Drive Shaft Coupling	Dri	ve Shaft Couplir	ng	Drive Shaft Coupling			
TYPICAL								
	CGS-347M	CG	S-347P		CGS-347G			
-0	End Wheel for UL325 Complian	nce End	d Wheel for UL32	5 Compliance	End Wheel for UL325 Compliance			
1x 👔	CGS-346M Bottom End Cup	CG Bot	S-346P ttom End Cup		CGS-346G			
	CG-15M	G	-15P		CG-15G			
2x	Adjustable mounting bracket	: Adj	justable mounti	ng bracket	Adjustable mounting bracket			
	CG-30M	G	-30M		CG-30M			
1x	Gate receiver, 2" - 3" frame	Gat	te receiver, 2" - 3	8" frame	Gate receiver, 2" - 3" frame			
12x	CG-348-M16	CG	-348-M16		CG-348-M20			
l	Threaded J-bolt for mounting) Thr	readed J-bolt foi riages	r mounting	Threaded J-bolt for mounting			
2x	CG-05P	CG	-05P		CG-05G			
	Foundation plate for carriage	Fou	undation plate f	or carriage	Foundation plate for carriage			
TOP GU	IDE OPTIONS Ga	alvanize	d & SIDE	MOUNT GUI	DE OPTIONS			
Adjustable Guidin to avoid	g Plate with roller covers	ail	Guide		CG-252 230-40			
10.000		G-254 alvanized	1%"U-Channel	9'10"	Single Roller Nylon			
010	R	G-387-19	9.68FT		Roller			
	256-220 Ga	alvanized G-387-9 .:	I 1¼" U-Channel 84FT	19'8"	253 10" Side Bollor			
255-220	For up to 3" frames Ga	alvanized	1¼" U-Channel	9'10" 258	3-30 1¼" dia.			
For up to 2¾" frame	256-300	G-237 Iuminum	1½" U-Channel	20' 1¼"	dia. Use 2 per gate min.			
	For up to 4 ¹ /2" frames	l	USE FOR GATES WI	TH AN ARCHED T	OP 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.



OURAGATES CANTILEVER SLIDING GATE HARDWARE

The Integrator Specifications



CGS-500.8M (F1max=1100 Lbs)														
	L=6'7" L=9'10"		L=13	8'2"	L=16'5"		L=19'8"		L=2	3'				
Weight (Lbs)	FA (in)	l (in)	FA (in)	l (in)	FA (in)	l (in)	FA (in) I (in)		FA (in)	l (in)	FA (in)	l (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		

			C	GS-50	0.8P (F [.]	1 max=	=1760 L	.bs)				
	L=9'	10"	L=13'2"		L=16	6'5"	L=19'8"		L=:	23'	L=26'3"	
Weight (Lbs)	FA (in)	l (in)	FA (in)	l (in)	FA (in)	l (in)	FA (in)	l (in)	FA (in)	l (in)	FA (in)	l (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	-500.80	i (F1max:	=2640 LI	bs)							
	L=26	6'3"	L=2	9'6"	L=32	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)	l (in)	FA (in)	l (in)	FA (in)	l (in)	FA (in)	l (in)	FA (in)	l (in)	FA (in)	l (in)	FA (in)	l (in)	FA (in)	l (in)	FA (in)	l (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

