

The Integrator

A 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.



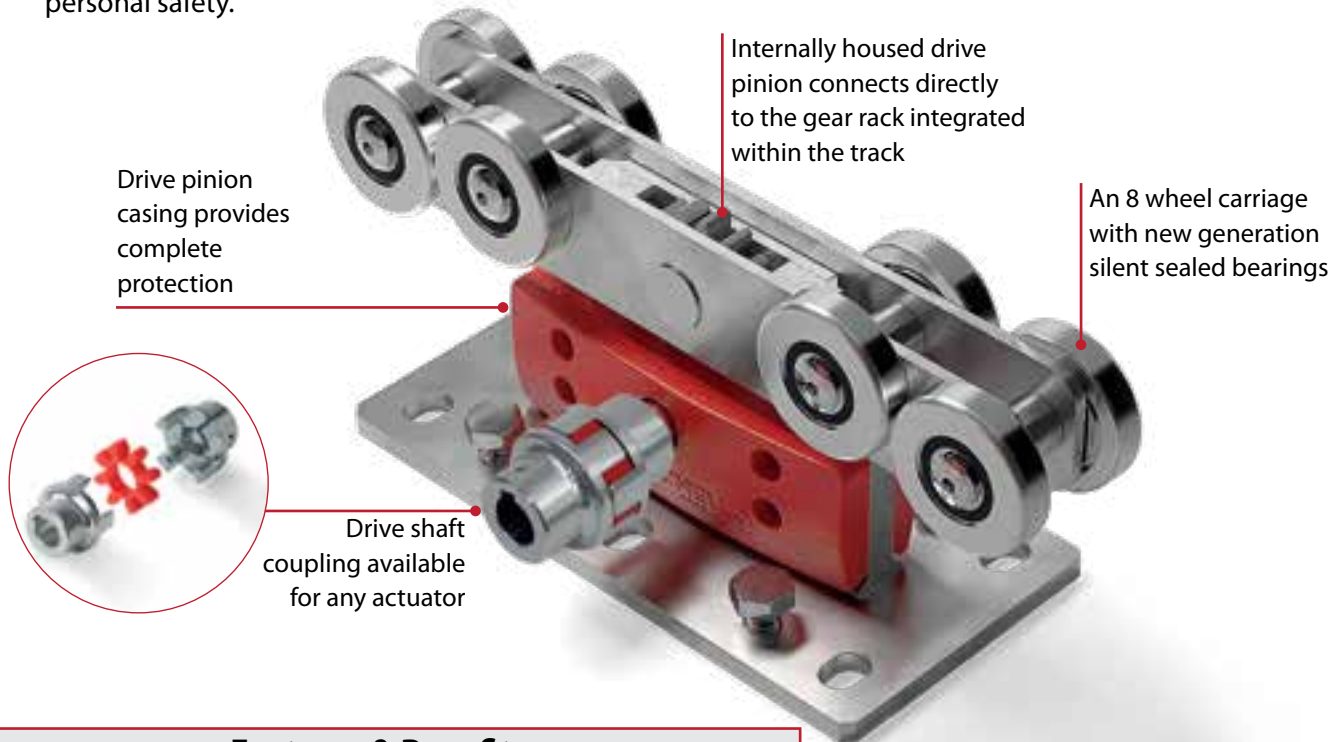
 **COMUNELLO****GATE**



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.



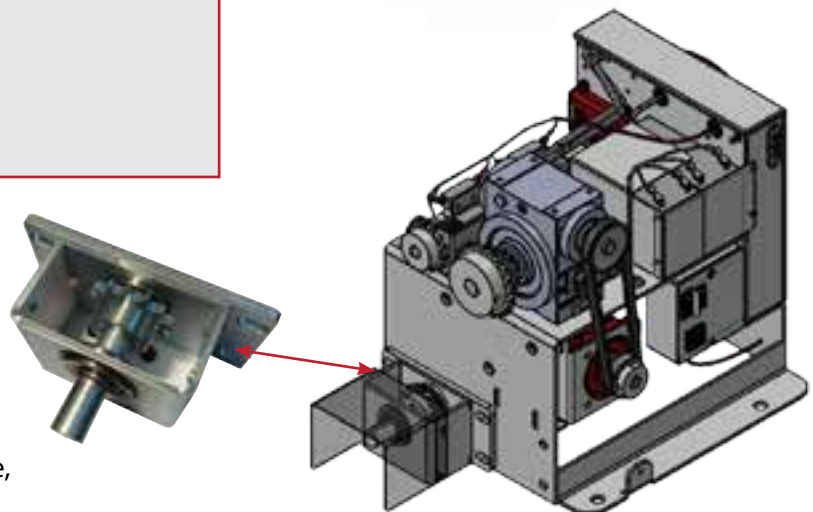
Features & Benefits:

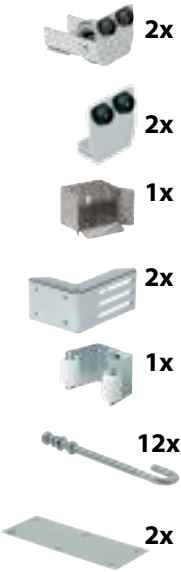
- Noiseless bearings of new generation shielded to protect against dust suitable for temperatures from -22°F to 176°F
- Self-balancing
- 8 support wheels for each carriage
- Quiet operation
- Increased personal safety
- Next Gen technology

CGS-MP-ADP

Jack Shaft Chain Drive Adaptor

When used in conjunction with the CG-58 coupling, this allows a typical chain drive gate operator to be used to drive the DuraGates Integrator carriage to open, close, and control a cantilever slide gate.



Model	CGS-500.8M	CGS-500.8P	CGS-500.8G
Opening range: Weight:	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.
CARRIAGES 	CGS-500.8M Small Primary/Secondary 8-Wheel Carriage Set • Driven Primary Carriage • Secondary Carriage	CGS-500.8P Large Primary/Secondary 8-Wheel Carriage Set • Driven Primary Carriage • Secondary Carriage	CGS-500.8G Grande Primary/Secondary 8-Wheel Carriage Set • Driven Primary Carriage • Secondary Carriage
TRACK 	CGS-345M Small, galvanized steel 19'8" or 9'10" lengths	CGS-345P Large, galvanized steel 19'8" or 9'10" lengths	CGS-345G Grande, galvanized steel 19'8" or 9'10" lengths
RACK 	CG-50M 4'11" Gear Rack w/Mounting Screws	CG-50P 4'11" Gear Rack w/Mounting Screws	CG-50G 3'4" Gear Rack w/Mounting Screws
TEMPLATE 	CG-55M Gear rack centering device Set of 2 pieces Installation tool to center and align gear rack in track	CG-55P Gear rack centering device Set of 2 pieces Installation tool to center and align gear rack in track	CG-55G Gear rack centering device Set of 2 pieces Installation tool to center and align gear rack in track
ADAPTER 	CG-58 Drive Shaft Coupling	CG-58 Drive Shaft Coupling	CG-58G Drive Shaft Coupling
TYPICAL ACCESSORIES 	CGS-347M End Wheel for UL325 Compliance CG-21M End Stopper w/o wheel for UL325 Compliance CGS-346M Bottom End Cup CG-15M Adjustable mounting bracket CG-30M Gate receiver, 2" - 3" frame CG-348-M16 Threaded J-bolt for mounting carriages. CG-05P Foundation plate for carriage	CGS-347P End Wheel for UL325 Compliance CG-21P End Stopper w/o wheel for UL325 Compliance CGS-346P Bottom End Cup CG-15P Adjustable mounting bracket CG-30P Gate receiver, 3-3/8" - 4-1/2" frame CG-348-M16 Threaded J-bolt for mounting carriages. CG-05P Foundation plate for carriage	CGS-347G End Wheel for UL325 Compliance CG-21G End Stopper w/o wheel for UL325 Compliance CGS-346G Bottom End Cup CG-15G Adjustable mounting bracket CG-30G Gate receiver, 4" - 6" frame CG-348-M20 Threaded J-bolt for mounting carriages. CG-05G Foundation plate for carriage

TOP GUIDE OPTIONS

Adjustable Guiding Plate with roller covers
to avoid pinch points.



255-220-C
For up to 2 1/2" frame



256-220
For up to 3" frames

256-300
For up to 4 1/2" frames

Galvanized &
Aluminum Guide
Rail

CG-254
Galvanized 1 1/2" I.D. U-Channel, 9'10"
RG-387-19.68FT
RG-387-9.84FT
Galvanized 1 1/4" I.D. U-Channel
CG-237-20FT
CG-237-10FT
Aluminum 1 1/4" I.D. U-Channel

SIDE MOUNT GUIDE OPTIONS



CG-252 (Use with CG-254)
Single Roller, 1 1/2" dia.
CG-252-30
Single Roller, 1 1/4" dia.



258-30
Double Roller
1 1/4" dia.



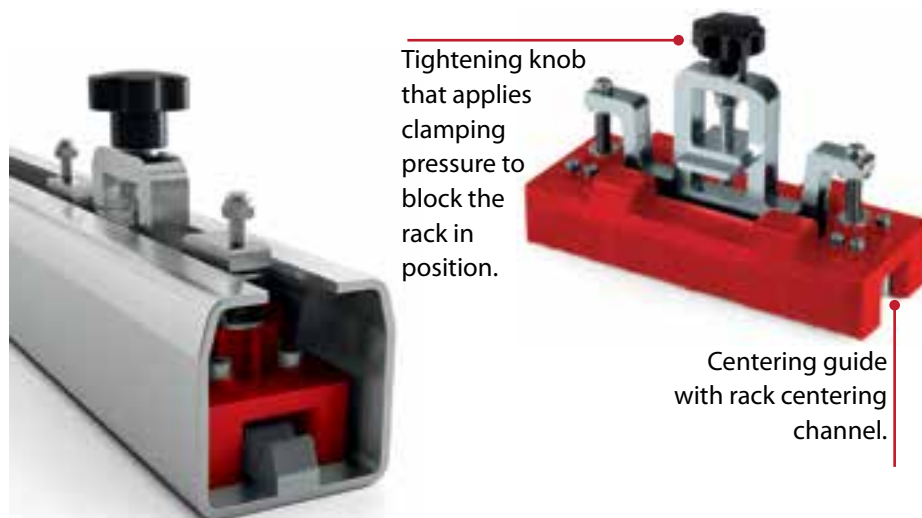
Nylon Replacement
Rollers
230-30, 1 1/4" dia.
230-40, 1 1/2" dia.



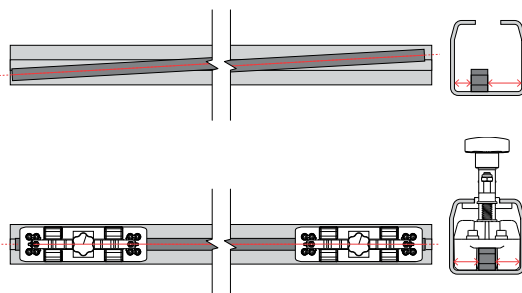
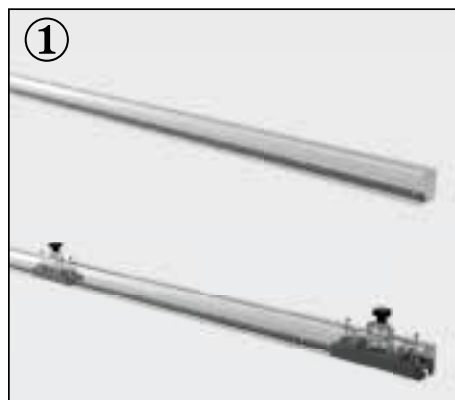
253-40
10" Side Roller
1 1/4" dia.
2" clearance
Use 2 per gate min.

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.

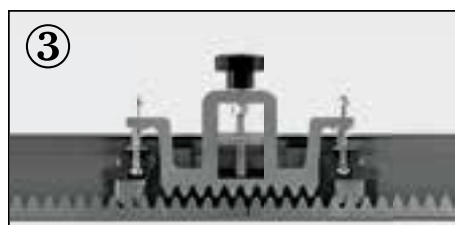
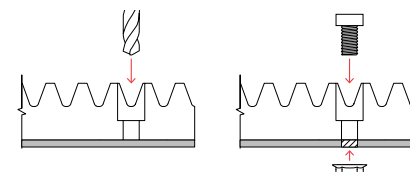


Drill Bit Sizes:	
CG-50M	5.2mm
CG-50P	6.2mm
CG-50G	10.2mm

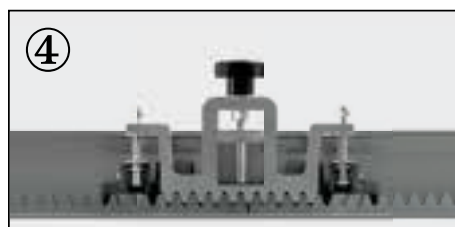
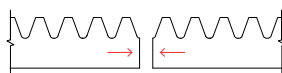
Position the first piece of gear rack inside the track. Use two template guides, one positioned at each end of the gear rack to center the gear rack lengthways within the track.



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



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.