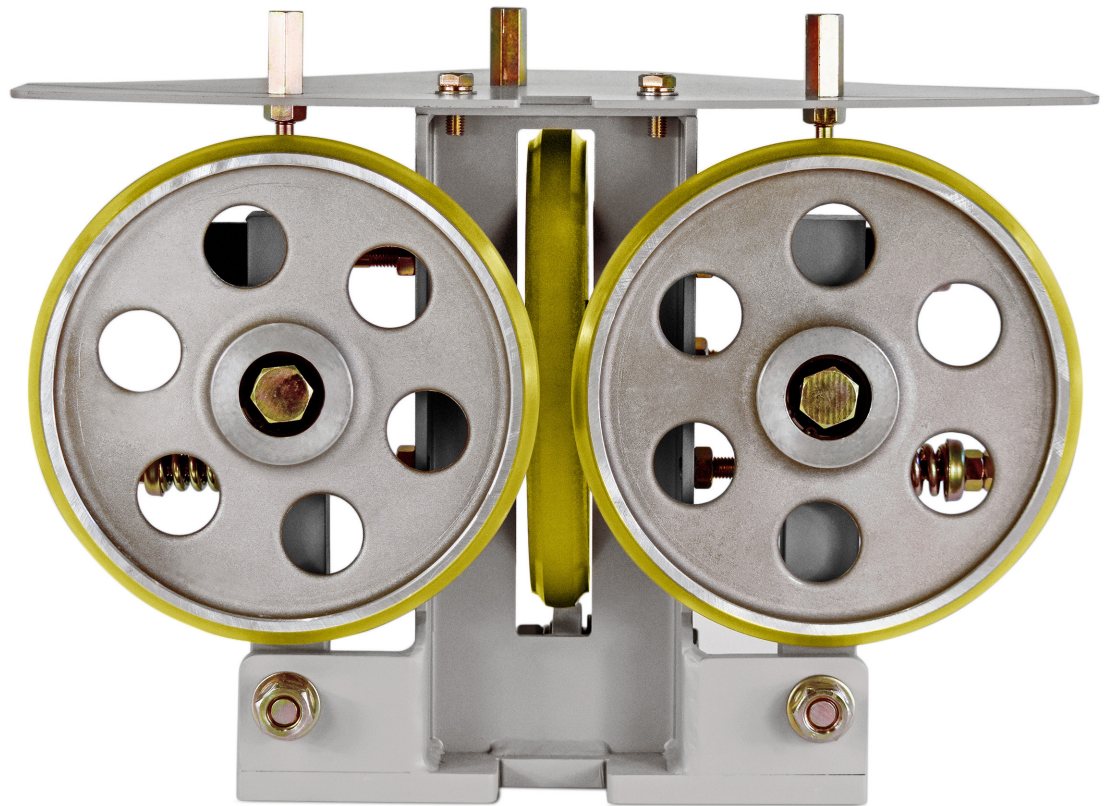




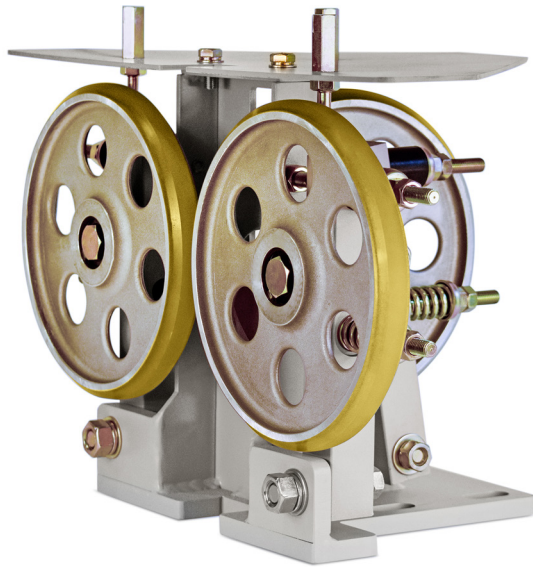
10" HIGH SPEED ROLLER GUIDE ASSEMBLY



www.delcoelevator.com
info@delcoelevator.com | 1-866-900-3727

10" HIGH SPEED

With Stop Kit and Dust Cover



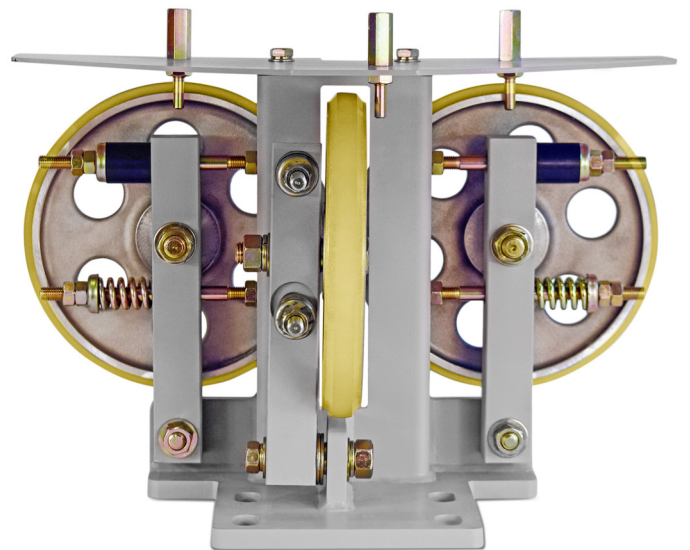
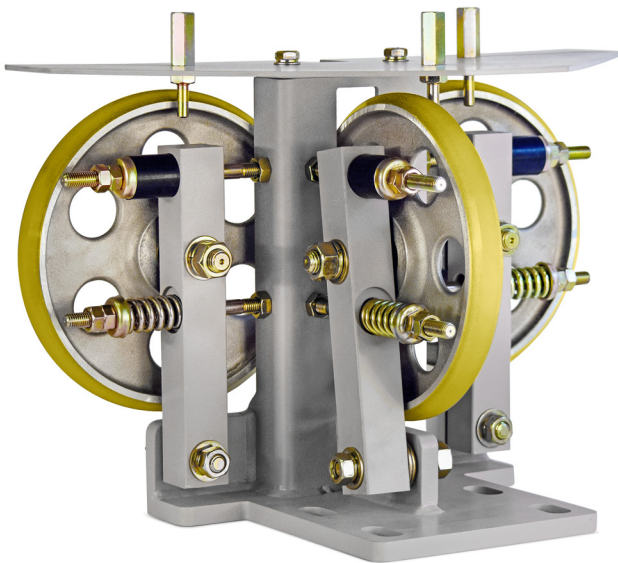
High Speed up to 7000 lbs

The Delco 10" High Speed Roller Guide Assembly is best suited for high speed applications for passenger, freight and hospital elevators. This model can be used for installations that require speeds up to 1200 fpm (5 m/s) and capacities of up to 7,000 Lbs (3200 Kg).

These roller guide assemblies work most often in conjunction with guide shoes on the counterweight side.

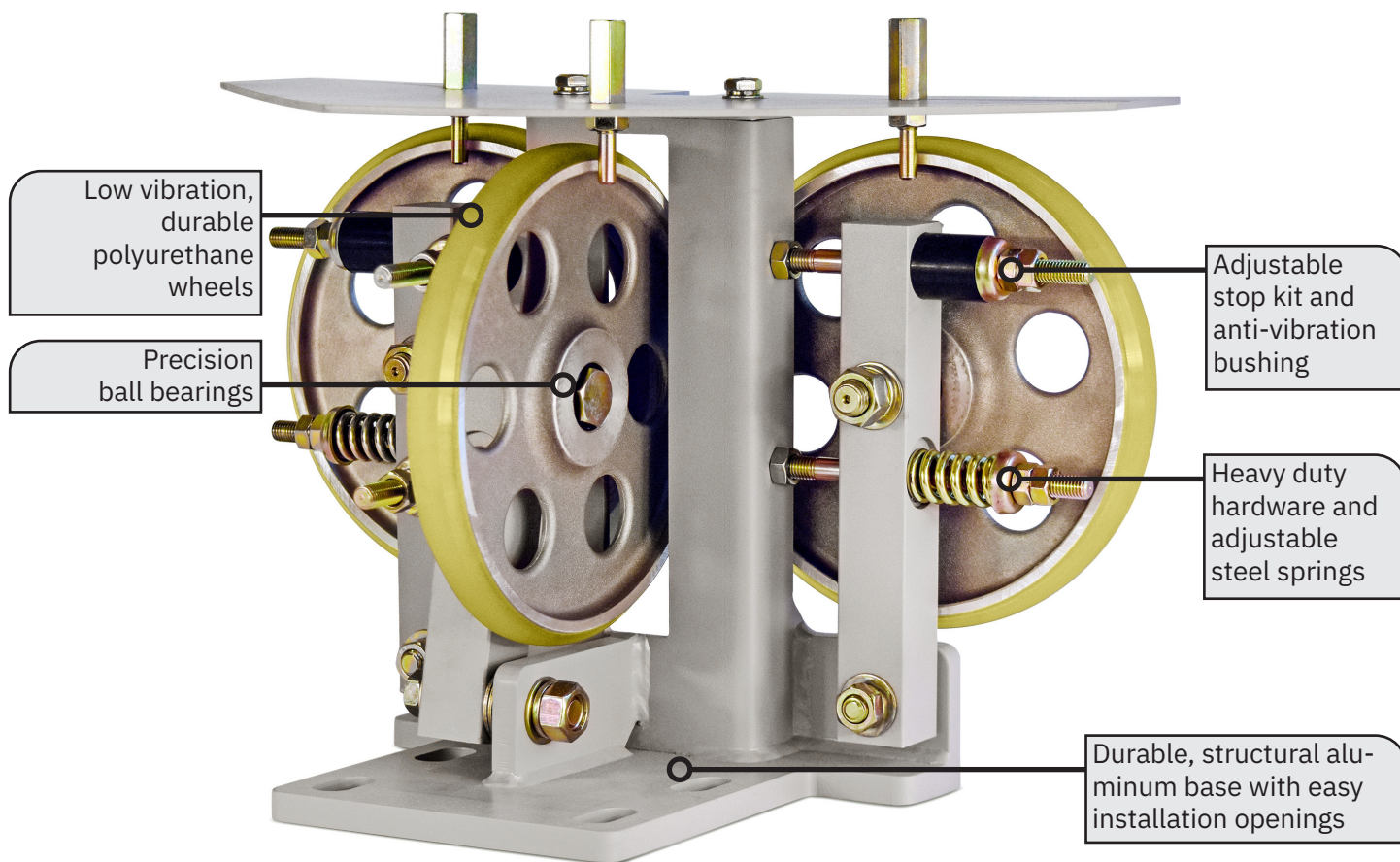
Features

This model comes with a stop kit and dust cover and it is particularly popular because of the adjustable stabilizing springs and anti-vibration bushing (90 SH A) for each arm.



10" HIGH SPEED

Specifications



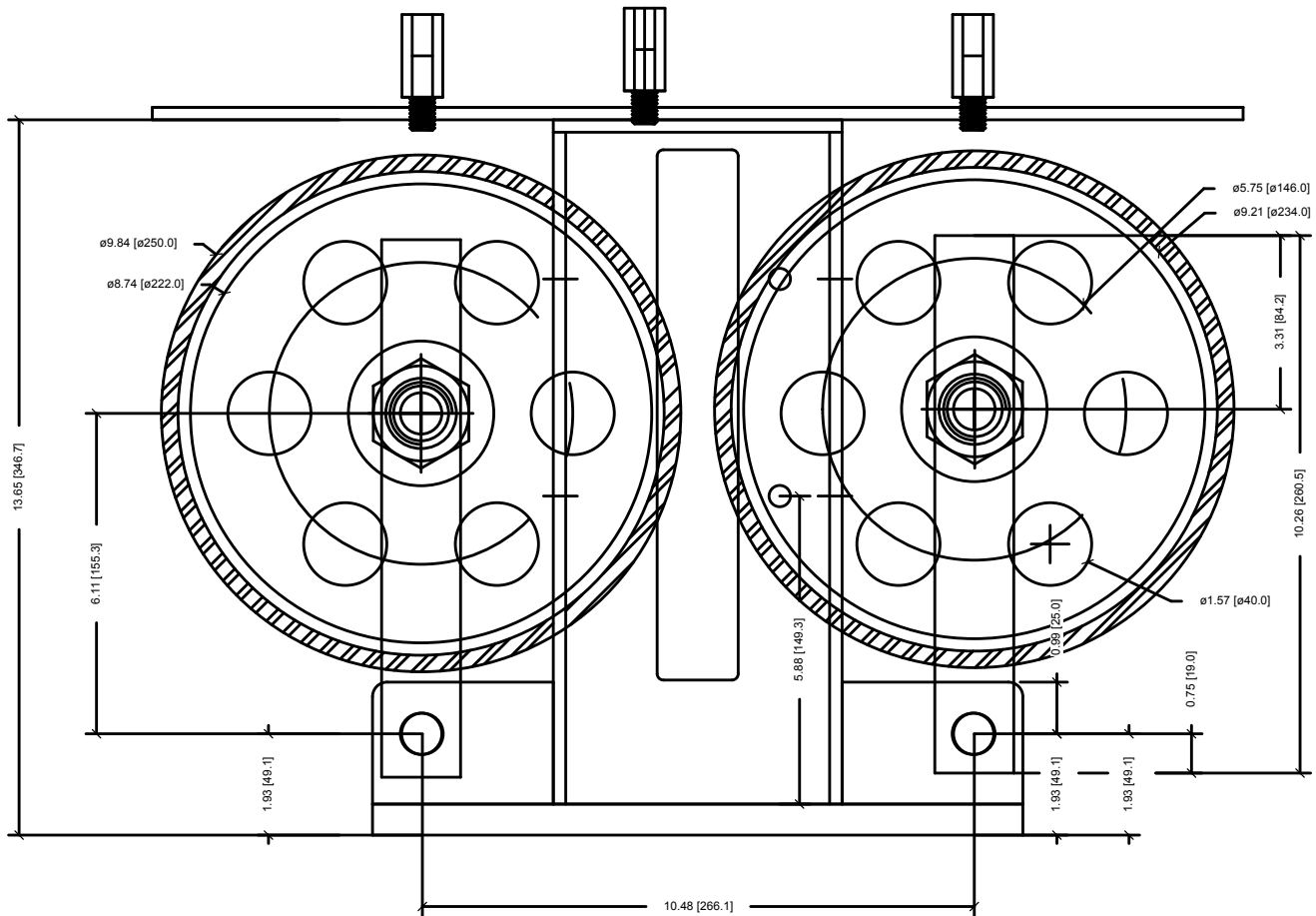
C-08-0803

Capacity	up to 6615lbs (3000kg)
Speed	up to 1200fpm (6.0m/s)
Guide Rail Width	10mm (27/64"), 16mm (5/8 ")
Roller Diameter	10" (254 mm)
Roller Material	Polyurethane
Roller Hardness	80±5 (Durometer Shore A)
Structural Frame	Aluminum
Ball Bearings	GMB 6004ZZ
Weight	66lbs (30kg)

ROLLER GUIDE ASSEMBLY

10" HIGH SPEED

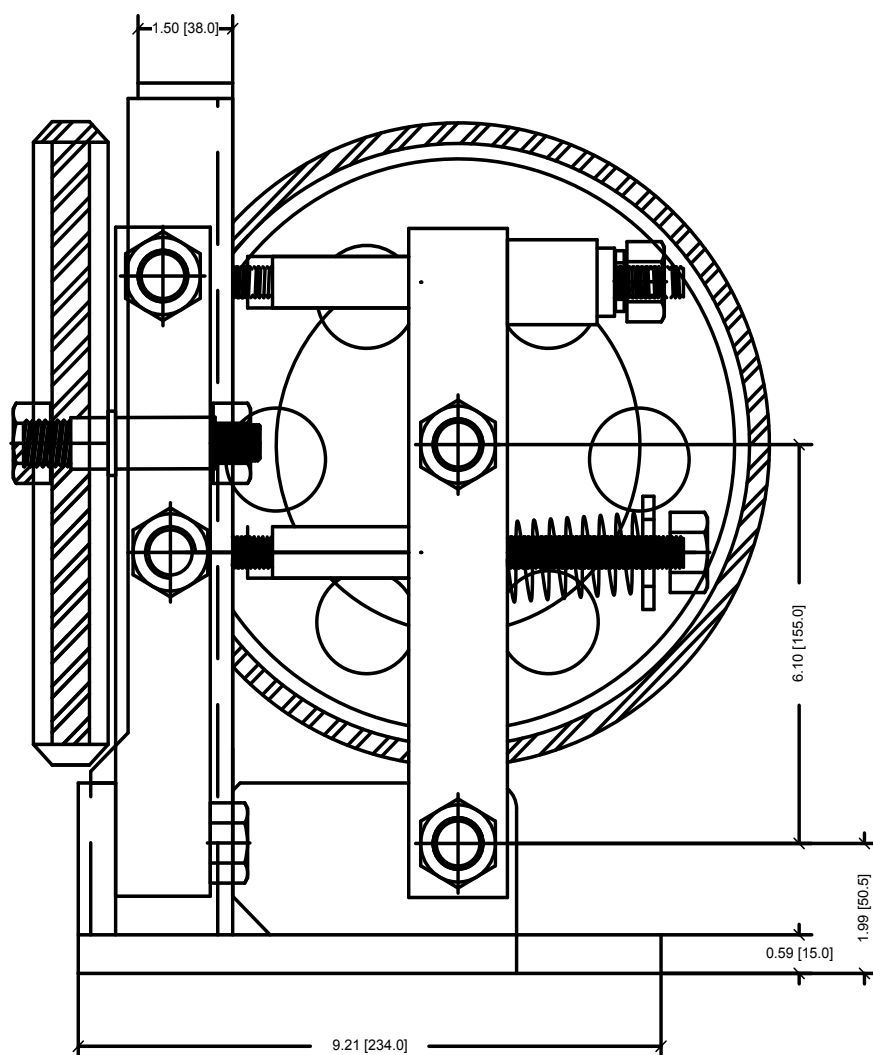
Diagram Front View



ROLLER GUIDE ASSEMBLY

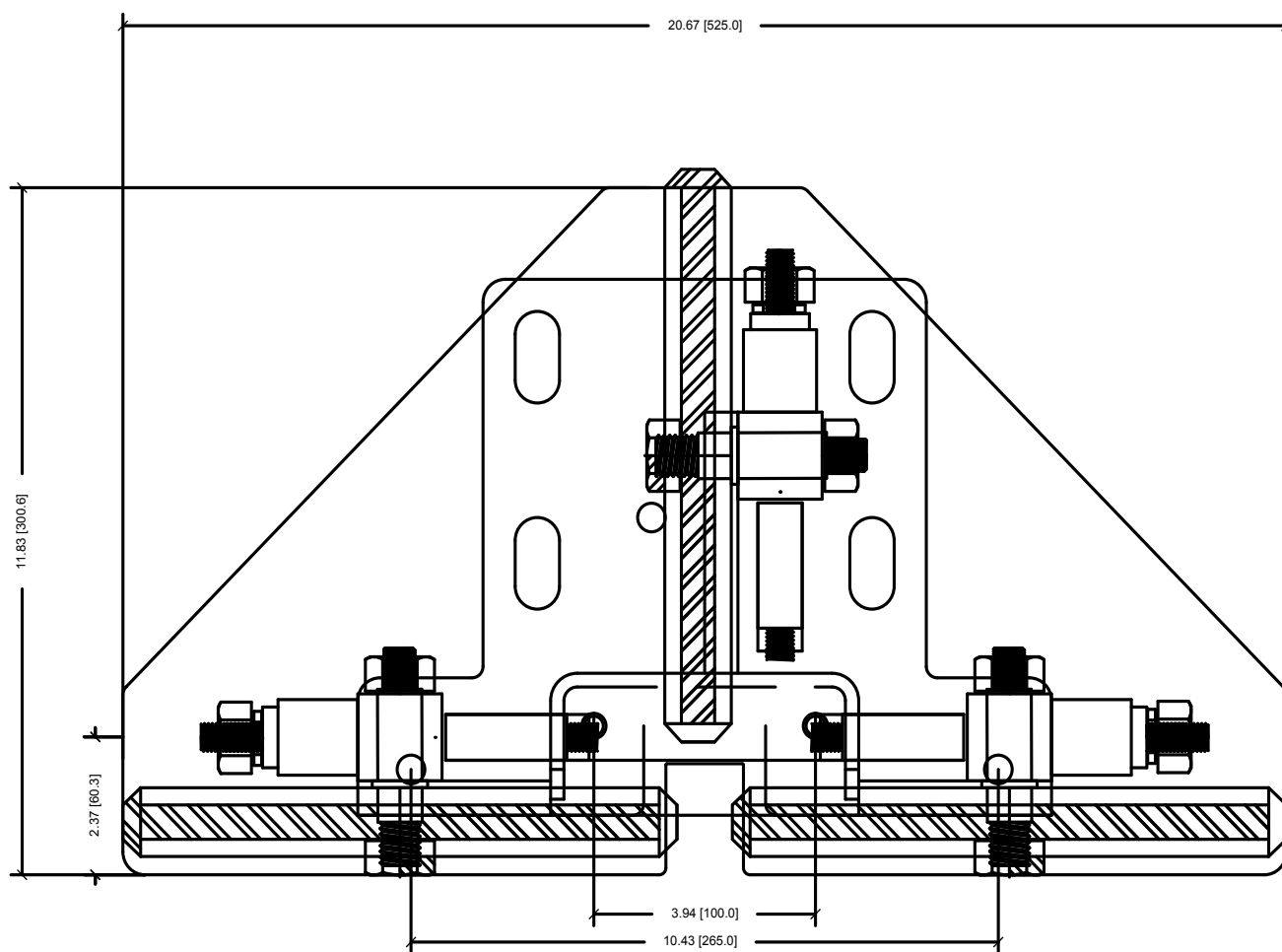
10" HIGH SPEED

Diagram Side View



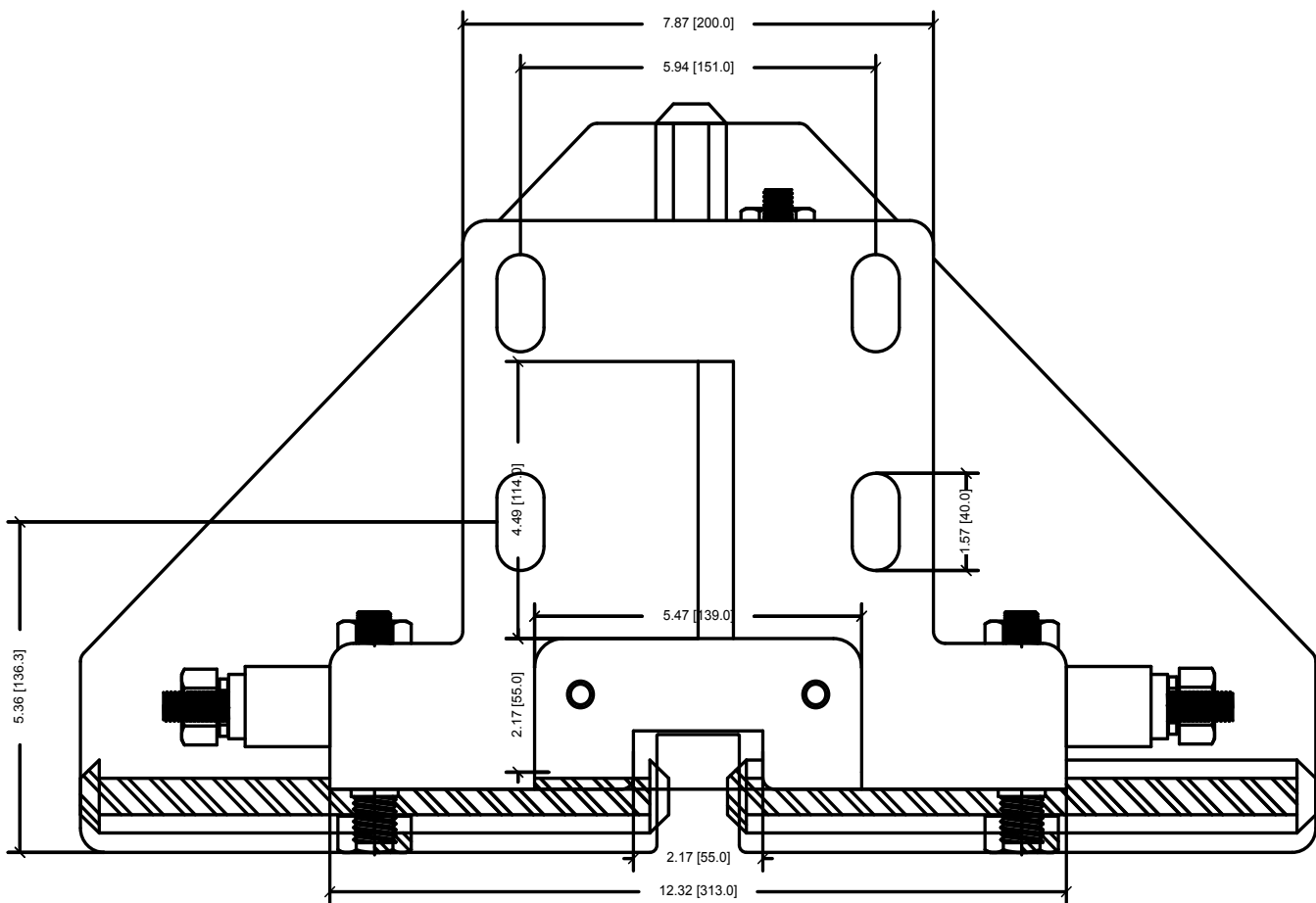
10" HIGH SPEED

Diagram Top View



10" HIGH SPEED

Diagram Baseplate View



10" HIGH SPEED

Installation Guide

Note: The following instructions are a guideline only. The installation process may need to be adjusted depending on the specific project and variable pre-existing conditions. Installations must be performed by a certified mechanic.

1. Hole Pattern Alignment

- On new installations use a roller guide mounting hole template to determine the position of the mounting holes in the car/counterweight frame before drilling. Mark and drill holes in the frames, ensuring that the hole size is appropriate for the hardware recommended for the installation.
- For modernization applications check if existing hole pattern or studs match the mounting hole pattern on the guide rail. If the holes locations don't line up a custom made adaptor plate or bracket is required.

2. Release Pressure from Wheels

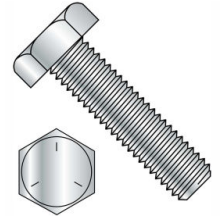
- Loosen the lock nuts on the spring rod and the stop kit (See Diagram 1)
- Ensure spring is not compressed and there is clearance with the arm

3. Position Guide on Rails

- Position guide over the mounting holes or studs. Make sure that the guide rail is centered on the rail.
- Ensure that guides are aligned properly on the rail.

4. Recommended Hardware

- Use M16 Class 8.8 or 5/8-11 Grade 5 Hex Head bolts and/or nut together with matching grade split lock washers and flat washers.
- Ensure the length of the bolt used will provide a minimum of 1.5 x diameter thread engagement.



5. Tighten Connection

- Securely tighten the mounting bolts and/or nuts until split washer is fully compressed.

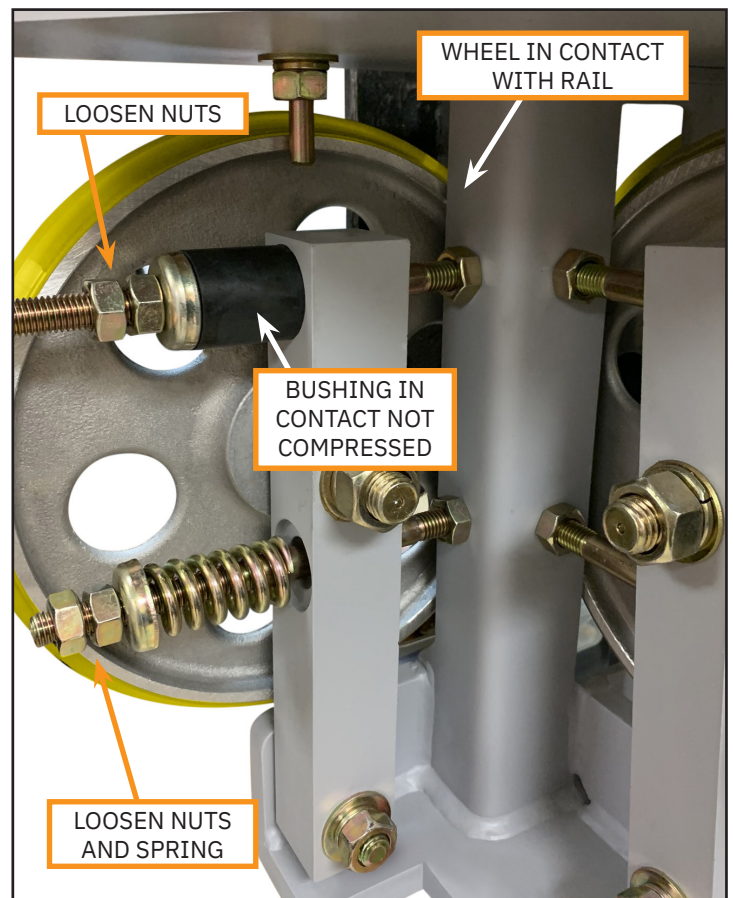


Diagram 1

10" HIGH SPEED

Installation Guide

6. Pressure Adjustment for Side Arm Wheels

- Make sure the face of the side arm wheels are tracking in the center of the rail.
- Rotate the first hex nut on the stop kit to ensure the anti-vibration bushing is in contact with the arm and the wheel is in contact with the rail. Repeat on the other side.
- Measure the height of the anti-vibration bushing (See Diagram 2).
- Using the first nut compress the anti-vibration bushing on each side to ensure that it is compressed between **3-6 mm**. After adjustment use the second nut to lock the adjustment. Repeat on the other side.
- Rotate the first hex nut on the spring rod to ensure that the spring is in contact with the arm but is not compressed. Repeat the operation on the other side.
- Measure the height of the spring (See Diagram 3).
- Using a wrench turn the first hex nut to compress the spring until the spring is compressed **3-5 mm** from free length. Lock the position using the second nut provided. Repeat the operation on the other side. The pressure of the two stabilizing springs should be the same.
- To ensure the correct pressure is achieved on the wheel, check that wheels can be skidded by hand on the rail with moderate effort.

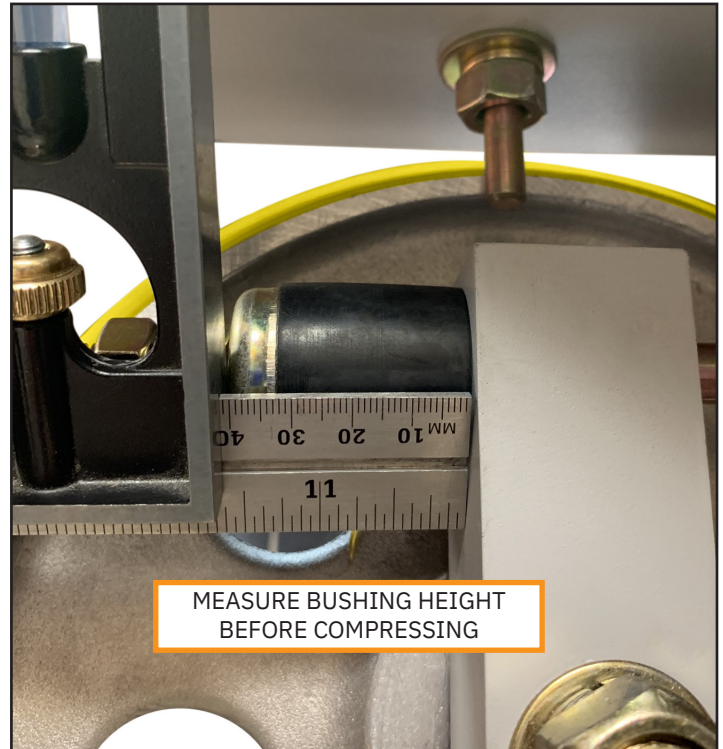


Diagram 2

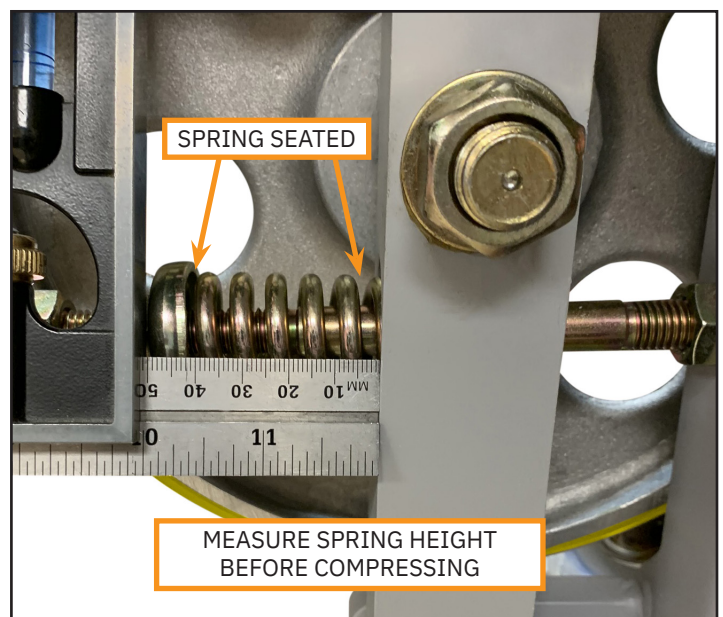


Diagram 3

10" HIGH SPEED

Installation Guide

7. Pressure Adjustment for Front Arm Wheel

- Make sure the face arm wheels are tracking in the center of the rail.
- Rotate the first hex nut on the stop kit to ensure the anti-vibration bushing is in contact with the arm and the wheel is in contact with the rail.
- Measure the height of the anti-vibration bushing.
- Using the first hex nut compress the anti-vibration bushing to ensure that it is compressed between **3-6 mm**. After adjustment use the second nut to lock the adjustment.
- Rotate the first hex nut on the spring rod to ensure that the spring is in contact with the arm but is not compressed.
- Measure the height of the spring.
- Using a wrench turn the first hex nut to compress the spring until the spring is compressed **2-4 mm**. Use second nut to lock the position.
- To ensure the correct pressure is achieved on the wheel, check that wheels can be skidded by hand on the rail with moderate effort.

8. Complete Installation

- Install the remaining roller guides on top and/or underneath the elevator/counterweight.
- Repeat the same steps for the lower roller guide assembly (when applicable).

Important!

- Do not oil the guide rail. Oiling will cause slippage.
- Check the roller guide assembly regularly after correct installation to ensure that it is running evenly and smoothly.
- Be sure to replace the guide wheels as soon as any uneven abrasion on the roller surface or cracks are observed on the springs.

ROLLER GUIDES

8 Models | up to 3000 KG | up to 1200 fpm

With over 12,000 Delco Roller Guide Assemblies installed and running every day, our products are being relied on by hundreds of elevator contractors.

CAPACITY: 0 – 6615 LBS (3000 KG)
SPEED: 0 – 1200 FPM (6.0M/S)

Meeting the requirements for over 90% of elevator installations, Delco offers 8 different RGA models. Low-rise, mid-rise and high-rise buildings throughout North America use Delco Roller Guides.

Easy to install and easy to maintain, Delco Roller Guides are manufactured with high precision, using the best materials, to provide many years of worry-free operation in many different elevator installation situations.

Delco's roller guides are made with the best materials.

Rollers

High quality polyurethane roller tires, with a hardness of 80 ± 5 (Durometer Shore A) provide a comfortable, smooth ride. Polyurethane has a high compression strength and doesn't create flat spots, ensuring reliable operation for many years.

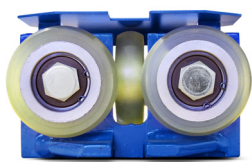
Frame materials

The cast iron frames and heavy duty hardware ensures a long life in all elevator hoistway environments.

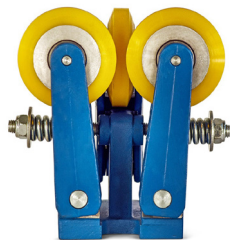
Precision Ball Bearings

Delco Roller Guides are made with NSK ball bearings manufactured in Japan, recognized world-wide as the most reliable, high performance bearings.

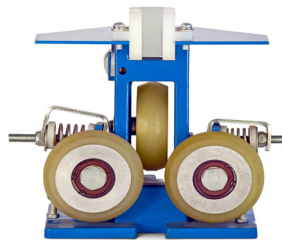
Product Line



3" SPRING FREE
C-08-0815 (16 mm)
C-08-0817 (10 mm)



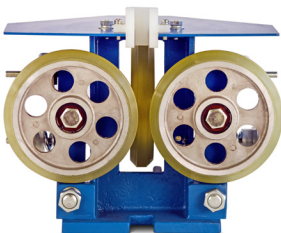
3¼" STANDARD
C-08-0810



3¼" HIGH SPEED
C-08-0807



5" STANDARD
C-08-0805



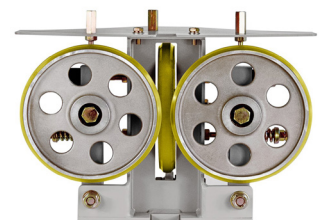
6" STANDARD
C-08-0804



6" SPRING FREE
C-08-0806



7⅞" STANDARD
C-08-0808



10" HIGH SPEED
C-08-0803

SELECTION GUIDE

Passenger Elevator	0-500fpm (0-2.5m/s)		600-800fpm (3.0-4.0m/s)		1000-1200fpm (5.0-6.0m/s)	
	Delco Car	Delco CWT	Delco Car	Delco CWT	Delco Car	Delco CWT
<3000lbs (<1350kg)	C-08-0805 C-08-0804	C-08-0810 C-08-0807 C-08-0815	C-08-0804	C-08-0807	C-08-0803	N/A
3500lbs (1600kg)	C-08-0805 C-08-0804	C-08-0810 C-08-0807 C-08-0815	C-08-0804	C-08-0807	C-08-0803	N/A
4000lbs (1800kg)	C-08-0804	C-08-0810 C-08-0807 C-08-0806	C-08-0804	C-08-0807	C-08-0803	N/A
4500lbs (2050kg)	C-08-0808	C-08-0806	C-08-0808	C-08-0806	C-08-0803	N/A
5000lbs (2300kg)	C-08-0808	C-08-0806	C-08-0808	C-08-0806	C-08-0803	N/A
6000lbs (2700kg)	C-08-0808	C-08-0806	C-08-0808	C-08-0806	C-08-0803	N/A
7000lbs (3200kg)	C-08-0803	C-08-0806	C-08-0803	C-08-0806	N/A	N/A

Hospital Elevator	0-250fpm (0-1.25m/s)		300-500fpm (1.5-2.5m/s)		600-800fpm (3.0-4.0m/s)		1000-1200fpm (5.0-6.0m/s)	
	Car	CWT	Car	CWT	Car	CWT	Car	CWT
<3000lbs (<1350kg)	C-08-0805 C-08-0804	C-08-0810 C-08-0807 C-08-0815	C-08-0805 C-08-0804	C-08-0810 C-08-0807 C-08-0815	C-08-0804	C-08-0807 C-08-0815	C-08-0803	N/A
3500lbs (1600kg)	C-08-0805 C-08-0804	C-08-0810 C-08-0807 C-08-0815	C-08-0805 C-08-0804	C-08-0810 C-08-0807 C-08-0815	C-08-0804	C-08-0807	C-08-0803	N/A
4000lbs (1800kg)	C-08-0804	C-08-0806	C-08-0804	C-08-0806	C-08-0804	C-08-0807	C-08-0803	N/A
4500lbs (2050kg)	C-08-0808	C-08-0806	C-08-0808	C-08-0806	C-08-0808	C-08-0806	N/A	N/A
5000lbs (2300kg)	C-08-0808	C-08-0806	C-08-0808	C-08-0806	C-08-0808	C-08-0806	N/A	N/A
6000lbs (2700kg)	C-08-0808	C-08-0806	C-08-0808	C-08-0806	C-08-0808	C-08-0806	N/A	N/A
7000lbs (3200kg)	C-08-0803	C-08-0806	C-08-0803	C-08-0806	C-08-0803	C-08-0806	N/A	N/A

Freight Elevator

For freight elevator applications the Roller Guide Assembly selection will be based on the number of guide rails. For applications with 2 guide rails, refer to the Passenger Elevator chart above. For applications with 4 or more guide rails, please contact us.

Important!

Please note that this table is only to be used as a guideline. Roller Guide Assembly selection must take many other criteria into consideration that can't be accounted for in this chart. Please contact us for selection assistance.

ROLLER GUIDE ASSEMBLY

