

# OVERHEAD DOOR ROLLER SYSTEM

NYLON ROLLER  
STAINLESS AXLE

### Product Overview:

Our nylon wheels with stainless steel shafts are designed to support a maximum door weight of 500 lbs. per wheel, provided they are installed and used correctly. For safety and optimal performance, we strongly recommend hiring a Professional Certified Overhead Garage Door Company for installation. Proper installation is key to ensuring the wheels function as intended and to maintain safety standards.

### Maintenance and Care:

To ensure the longevity of the wheels, regular inspection of the wheels and surrounding components is essential. Any necessary repairs should be made promptly. These wheels are specifically engineered for use in damp, corrosive, and heavy-duty environments. They are designed to operate smoothly and quietly, and unlike traditional wheels, they do not require lubrication or grease.

### General Warnings

1. Pinch Points: Rollers and axles create pinch points during operation. Always keep hands, fingers, tools, and clothing clear while the door is moving.
2. Weight Load: Rollers bear the weight of the door. Do not attempt to replace or repair them without ensuring the door is properly secured and supported.
3. Wear and Tear: Worn or damaged rollers or axles can cause the door to derail, creating a safety hazard.

### Inspection and Maintenance

1. Regular Inspection: Check rollers for cracks, flat spots, or excessive wear. Inspect axles for bending or damage.
2. Secure Fastening: Ensure rollers are securely fastened to the hinges and axles are properly aligned with the tracks.
3. Replace Damaged Components: Immediately replace rollers or axles showing signs of damage. Use manufacturer-approved parts for replacements.
4. Track Alignment: Ensure tracks are clean, aligned, and free of obstructions to prevent undue stress on rollers and axles.

### Overloading Risks

1. Exceeding Load Capacity: Do not overload the door with additional weight (e.g., insulation, cladding, or decorations) beyond its design specifications. This can cause premature failure of rollers and axles.
2. Signs of Overloading: Excessive strain may manifest as sagging rollers, bent axles, or difficulty in door movement. Address these issues immediately to prevent catastrophic failure.
3. Upgraded Components: If the door's weight is increased for any reason, upgrade rollers and axles to accommodate the additional load as specified by the manufacturer.

### Replacement Safety

1. Door Securing: Secure the door in place using locking pliers or clamps on the tracks to prevent unintended movement during roller or axle replacement.
2. Spring Tension Awareness: Springs can affect roller removal. If the roller is under tension due to spring forces, do not attempt to remove it.
3. Tools and Equipment: Use proper tools, such as a step ladder and wrenches, designed for the task. Avoid makeshift tools or methods.

### Operational Safety

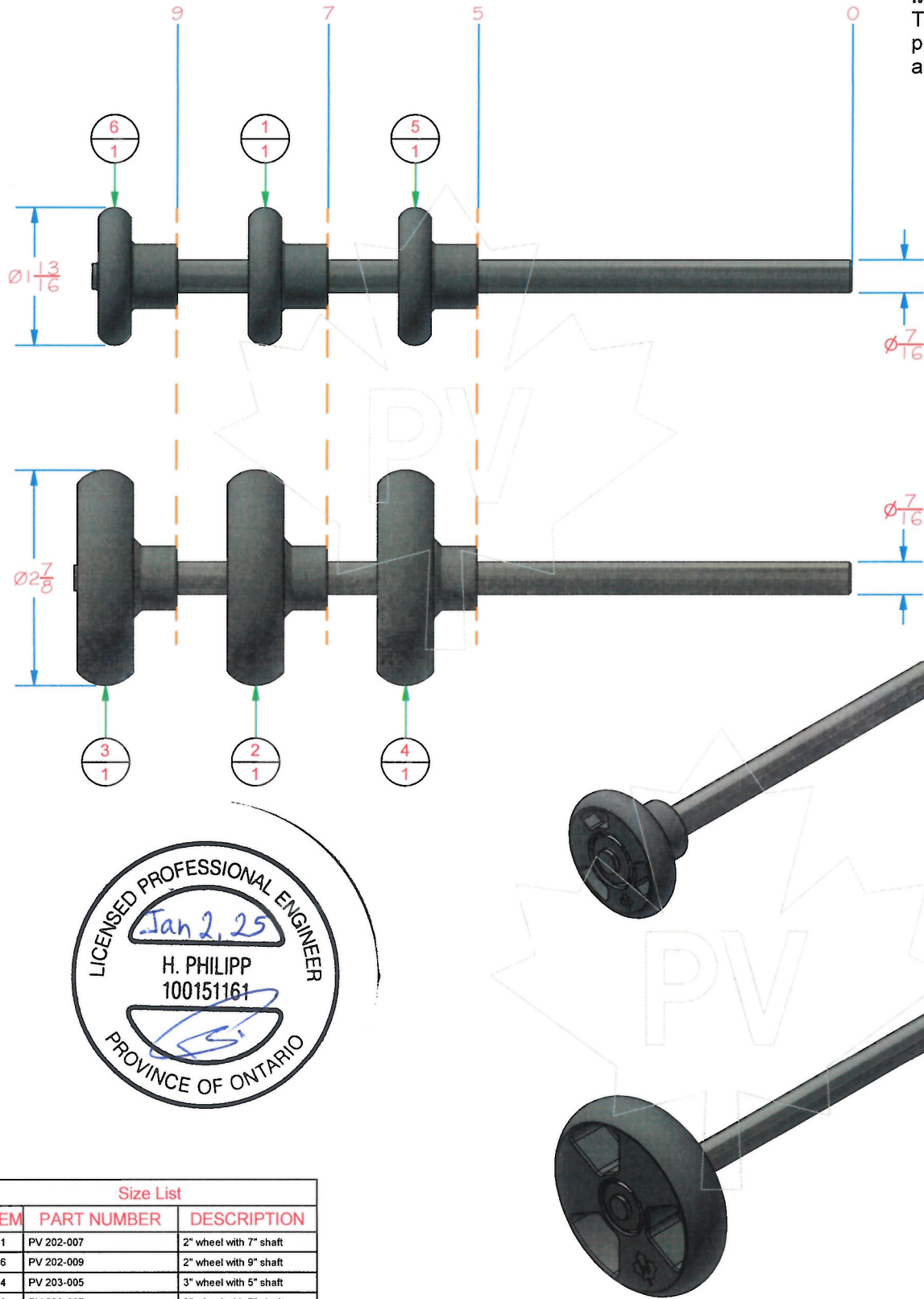
1. Noise and Vibration: Unusual noises or vibrations during operation may indicate roller or axle issues. Stop use and inspect immediately.
2. Balanced Movement: Rollers and axles should allow smooth, balanced door movement. Any jerking or uneven motion indicates a problem.
3. No Excessive Force: If the door resists movement, do not force it. Check for obstructions or misaligned rollers.

### Environmental Factors

1. Temperature Impact: Extreme temperatures can affect the performance of metal and nylon components, causing them to contract or expand.

### Additional Notes

1. Always consult the manufacturer's guidelines for roller and axle specifications.
2. If you're unsure about inspecting or replacing rollers and axles, hire a professional technician to avoid injury or damage.



Size List		
ITEM	PART NUMBER	DESCRIPTION
1	PV 202-007	2" wheel with 7" shaft
6	PV 202-009	2" wheel with 9" shaft
4	PV 203-005	3" wheel with 5" shaft
2	PV 203-007	3" wheel with 7" shaft
3	PV 203-009	3" wheel with 9" shaft
5	PV 202-005	2" wheel with 5" shaft

<b>ProVizion Inc</b> Phone: 519-321-9138 Overhead Door Parts		<b>WINLAND CUSTOM DESIGN</b> 519.465.7145		Project: provizion.ca
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		Process: SA	Material:	
TOLERANCE UNLESS OTHERWISE SPECIFIED XX(Fractional).....1/16 0.002(DECIMAL).....0.02 0.000(3 DECIMAL).....0.005 Angles.....1~		Weight: 2.5 lbmass Date: 10/22/2024	Title: Overhead Door Roller System Part #: PV 200-000	
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