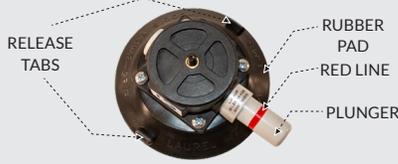


# SMALL VACUUM CUP INSTRUCTIONS



## OPERATION

### To Attach

- Clean the contact surface and, if needed, the face of the rubber pad (see Cleaning).  
**Caution:** Some rubber compounds may stain light surfaces or deform soft coatings. When in doubt, test a sample of such materials for permanent effects.
- Position the vacuum cup so the red line will be visible if it should appear while the cup is attached.
- Press the rubber pad against the contact surface as needed to form a continuous seal.  
**Caution:** Make sure the surface material is supported as needed to prevent breakage.
- Pump the plunger until the cup attaches completely. The red line serves as a vacuum indicator: When the red line is hidden, the cup is ready for use.
- Check the plunger frequently to make sure the cup remains securely attached. If the red line appears, pump the plunger until the red line is hidden again (see WARNINGS).

### To Release

- Secure the load.
- Pull a release tab until the cup disengages completely.  
**Caution:** Remove the cup when not in use.<sup>1</sup>



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## SPECIFICATIONS

### Product Description

These tools use vacuum to mount loads temporarily or to support loads for manual handling, as follows:

### Environmental Conditions

- Temperatures: 0° to 120° F (-17° to 49° C)<sup>1</sup>
- Elevation: up to 5,000' (1,524 m).

**Note:** Maximum Load Capacity includes a 3:1 design factor and requires:

- Attachment on clean, dry, relatively smooth, flat, nonporous surfaces<sup>2</sup>
- Minimum vacuum level of 17-1/2" Hg (-59 kPa)
- Friction coefficient of 1



Model	Rubber Pad	Nominal Diameter	Max. Load Capacity <sup>3</sup>	Contact Surface
Mounting Cups <sup>4</sup>				
TL3AM TL3PB1	TL3	3" (8 cm)	15 lbs (7 kg)	flat or curved
TL3PH1304			5 lbs (2.3 kg)	
LJ45AM	LJ45	4-1/2" (11 cm)	40 lbs (18 kg)	flat or curved
LJ45PHC			10 lbs (5 kg)	
TL6AM TL6PB1 TL6TD	TL6	6" (15 cm)	70 lbs (32 kg)	flat or curved
Lifting Cups				
TL3TH	TL3	3" (8 cm)	15 lbs (7 kg)	flat or curved
RF36HG	RF36	3" x 6" (8 cm x 15 cm)	40 lbs (18 kg)	flat or cylindrical
LJ45HG	LJ45	4-1/2" (11 cm)	40 lbs (18 kg)	flat or curved
CE5RH	VPCE5	5-1/4" (13 cm)	45 lbs (20 kg)	flat or curved
CE5HG				
LP6FH LP6HG LP6RH	LP6	6" (15 cm)	70 lbs (32 kg)	flat
TL6FH TL6HG TL6RH	TL6	6" (15 cm)	70 lbs (32 kg)	flat or curved

<sup>1</sup> If the cup remains attached to a hot surface (eg, in direct sunlight) for an extended time, the rubber pad could bond with the surface, resulting in damage to the surface or to the pad when it is removed.

<sup>2</sup> Moisture or contaminants can reduce the slip resistance of the rubber pad.

<sup>3</sup> The Maximum Load Capacity is based on testing under controlled conditions with new vacuum cups attached to horizontal surfaces (except RH cups, which are attached to vertical surfaces). Many factors can reduce the capacity, such as:

- mounting or lifting a load when the cup is attached to a vertical or inclined surface
- dynamic loading (eg, mounting loads on moving vehicles)
- mounting or lifting a load that applies leverage to the cup (see [www.wpg.com/mccc](http://www.wpg.com/mccc) to calculate capacities for specific loads on Mounting Cups)

Contact an authorized dealer or WPG for more information.

<sup>4</sup> Caution: The user must be able to monitor the red line and repump the plunger whenever these cups are in use. If not, a secondary restraint may be needed to protect mounted equipment.

## LIMITED WARRANTY

Wood's Powr-Grip products are guaranteed to be free of any defects in manufacturing or materials for **1 year from the date of purchase**.

Warranty does **NOT** cover:

- ✓ Cut or scratched rubber parts.
- ✓ Parts damaged by customer.
- ✓ Abnormal wear and tear.
- ✓ Abuse, misuse or neglect.
- ✓ Modified products.

## TROUBLESHOOTING

Scan or click the following codes for:



Troubleshooting Guide



Ordering Replacement Parts

## KEEP FOR YOUR RECORDS

Record this information, in case you need to claim Warranty service.

Date of Purchase:

Purchased From:

Model Number:

Stock Number:

For additional warranty information, please scan or click this code or visit [wpg.com/warranty](http://wpg.com/warranty).



## MAINTENANCE

### Service

Inspect the vacuum cup regularly for damage or a missing air filter. Correct any faults before using the cup (see TROUBLESHOOTING). Note: Replace the rubber pad at least once every 2 years or whenever damage is discovered.

If the cup does not function normally, first clean the rubber pad according to the directions to follow.

If the condition persists, see TROUBLESHOOTING.

### Cleaning

- Remove the air filter from the rubber pad.
- Use a clean sponge or lint-free cloth to apply soapy water or another mild cleanser to the pad face (see WARNINGS).  
**Caution:** To prevent liquid from contaminating the pump, hold the cup face-down or cover the suction hole in the filter recess.
- Wipe all residue from the pad face.
- Allow the pad to dry and reinstall the air filter.

### Storage

Store the cup in a clean, dry location out of direct sunlight. Use the cover (when supplied) or another appropriate means to protect the pad face from damage.



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## WARNINGS

**Failure to observe WARNINGS could damage the vacuum cup or the load, or cause injury to the user.**

- Do not use the cup to support loads that exceed the Maximum Load Capacity (see SPECIFICATIONS).
- Do not use the cup to support a person.
- Do not leave a cup unattended which could injure people if it disengages unexpectedly.
- Do not place the rubber pad against surfaces which could damage a sealing edge.
- Avoid conditions that could cause the cup to slip or to disengage prematurely, such as: contaminants, cuts or scratches in the pad face or contact surface; attaching the cup to porous materials; or applying pressure against the pad edge.
- Do not use the cup when the red line is visible. If the red line reappears frequently, discontinue use and see Service.
- Do not allow anything to interfere with free movement of the plunger while the cup is attached.
- Do not touch any release tab while using the cup.
- Do not use harsh chemicals (such as solvents or gasoline) or rubber cleaners and conditioners to clean the pad.