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How to Safely Use ANVER Hand Cups

CONGRATULATIONS! You are about to use a high quality vacuum hand cup or suction lifter that will give you years of satisfaction if you observe these recommendations:

TO ATTACH the cup to the load surface, press the cup with its seals in the flat, relaxed position, firmly on the load and only then activate the lever(s) or pump overcoming the slight pressure from the seals.

TO RELEASE the cup, make sure that your load is well supported, and release the lever(s). The seal will return to its original position and the cup can be lifted from the load. If the seal "sticks" to the load (which can occasionally happen with brand new seals), lift the side of the seal with your finger or thumb to let some air under the seal.

Suction lifters are manual tools and must not be used in connection with a crane or other lifting gear. The suction lifters are exclusively provided with the properties (e.g. carrying capacity in relation to the direction of force) described in the literature published by ANVER Corp. (catalogs, brochures, instructions).

Although everything has been done to ensure maximum safety when using the suction lifters, any misuse or wrong application of the suction lifters may damage them and/or lead to a dangerous situation (e.g. unexpected release of a load), and consequently to danger to the user or other persons.

TO ASSURE THE SAFEST POSSIBLE USE, YOU MUST OBSERVE THESE SIMPLE RULES:

- **DO use cup only as a hand lifting tool for short-term handling.**
- **DO use cup only on clean, smooth, dry, non-porous loads, free of oil or grease.**
- **DO test vacuum grip each time before lifting a load.**
- **DO reattach the cup when the grip does not feel sufficiently firm.**
- **DO keep rubber seal clean and undamaged and free of oil or grease.**
- **DO store cups with the seals in the flat, relaxed position.**
- **DO NOT use hand cups as crane or hoist or robot attachments.**
- **DO NOT use hand cups as permanent vacuum attachments.**
- **DO NOT pry rubber seals loose with sharp tools.**
- **DO NOT use hand cups with damaged seals.**
- **DO NOT lift any load over people, or above parts of the body.**
- **DO NOT use hand vacuum cups as suspension tools for hoisting loads or to suspend persons.**
- **DO NOT exceed the rated carrying capacity of the cups.**
- **Never use the suction lifter to secure persons.**
- **Only use the suction lifter if you have experience in handling it, or if you are supervised by a person who has experience in handling this tool.**
- **Suction lifters are available in various designs with different carrying capacities. The specified values apply to new suction lifters and to clean, dry and plane glass (float glass) at an ambient temperature of 20° C after generating the maximum vacuum.**
- **The carrying capacity is significantly reduced and may even be completely lost at low temperatures, with humidity or with dirt accumulation, especially in the case of neglected or damaged suction pads, and if other materials than flat glass (e.g. structural glass, plastic, stone, metal, etc.) are lifted or carried.**
- **You should always check the suitability of the suction lifter for the intended use. Secure objects to be lifted or carried by other means if necessary.**
- **Observing these rules will make the use of these cups for your handling task convenient and safe.**

THE MANUFACTURER AND SALES AGENTS OF THESE HAND CUPS DECLINE ANY RESPONSIBILITY FOR ACCIDENTS OR DAMAGE WHICH RESULT FROM THE NON-OBSERVANCE OF THE ABOVE RULES.

*Supersedes All
Previous Safety Instructions*






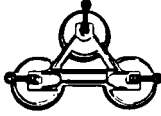
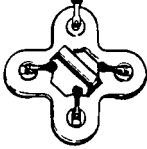



Handcups

Classification: Forms



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ANVER Handcup Specifications

	Model Number	Type and Material	Cup Diameter inches (mm)	Carrying Capacity lb (kg)
	600.0	Single Cup — Aluminum	4.75 (121)	33 (15)
	600.1	Single Cup — Plastic	4.75 (121)	33 (15)
	601.0	Aluminum with Hand Pump and Carrying Case	7.13 (181)	123 (56)
	602.4	Double Cup — Aluminum	4.75 (121)	66 (30)
	602.1	Double Cup — Plastic	4.75 (121)	66 (30)
	602.2	Double, Swivel Cup — Plastic for Auto Glass	4.75 (121)	50 (22.5)
	602.0	Double Cup with Handle Across — Aluminum	4.75 (121)	66 (30)
	603.0	Triple Cup — Aluminum	4.75 (121)	110 (50)
	604.0	Four Cups — Aluminum	4.75 (121)	175 (80)
	608.0	Single Large Cup — Aluminum For Horizontal Lifting Only	7.25 (184)	66 (30)
	608.1	Single Large Cup — Aluminum For Vertical Lifting Only	7.25 (184)	100 (45)
	609.0	Small All-Rubber Cups	3.50 (89)	44 (20)

* **CAUTION:** These hand cups are only designed for momentary hand use with small loads on clean, dry, smooth, non-porous surfaces with undamaged seals, properly used at sea level. They are totally unsuitable and unsafe for attachment to hoists, manipulators, forklifts or use with any other lifting method or device. They are rated for a 4:1 vacuum safety factor when correctly attached. These conservative ratings are accurate for what is safe in most applications. If a competitive cup is offered in the same size with more carrying capacity, the competitive cup has been rated with a lower safety factor.

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